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TOOLING SYSTEM

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INDEX

BT

TOOL HOLDER SYSTEM

P.A

CAT

TOOL HOLDER SYSTEM

P.B

DAT

TOOL HOLDER SYSTEM

P.C

SBT DualDRIVE+

TOOL HOLDER SYSTEM

P.D

SCAT DualDRIVE+

TOOL HOLDER SYSTEM

P.E

SDAT DualDRIVE+

TOOL HOLDER SYSTEM

P.F

HSK

TOOL HOLDER SYSTEM

P.G

PSC

POLYGONAL TAPER TOOL HOLDER

P.H

ISO

TOOL HOLDER SYSTEM

P.J

NT & MT

TOOL HOLDER SYSTEM

P.K

SHRINK FIT & SHRINK FIT CHUCK

P.L

BORING SERIES

P.M

HBL

HBL COLLET CHUCK + HLB FACE CONTACT TYPE CUTTING TOOLS

P.N

STA

SYNCHRONIZED TAPPING HOLDER

P.Q

SAF

RUNOUT ADJUSTABLE HOLDER

P.R

ANGLE HEAD HOLDERS

P.S

STRAIGHT SHANK TOOL HOLDER

P.T

VDI

P.V

ACCESSORIES

P.W

COMPLETE KIT SERIES

P.X

TECHNICAL INFORMATION

P.Y










INDEX

PNER COLLET CHUCK		PTER COLLET CHUCK		UT COLLET CHUCK	
					
▶ BT P.A-3~4	▶ SBT P.D-3~4	▶ BT P.A-5~6	▶ SBT P.D-5~7	▶ BT P.A-7~9	▶ SBT P.D-8~10
▶ CAT P.B-3	▶ SCAT P.E-3	▶ SCAT P.E-4	▶ HSK-A P.G-5~6	▶ CAT P.B-4	▶ SCAT P.E-5
▶ DAT P.C-3	▶ SDAT P.F-3	▶ HSK-E P.G-41	▶ PSC P.H-29~30	▶ DAT P.C-4~5	▶ SDAT P.F-4~5
▶ HSK-A P.G-3~4	▶ PSC P.H-28			▶ HSK-A P.G-7	▶ PSC P.H-31~32
ER COLLET CHUCK		ER-M COLLET CHUCK		SKX COLLET CHUCK	
					
▶ BT P.A-10~12	▶ SBT P.D-11~13	▶ BT P.A-13~14	▶ SBT P.D-14~15	▶ SBT P.D-16~18	▶ HSK-A P.G-11~12
▶ CAT P.B-5~6	▶ SCAT P.E-6~7	▶ CAT P.B-7	▶ SCAT P.E-8	▶ SCAT P.E-9~10	▶ HSK-E P.G-43
▶ DAT P.C-6~8	▶ SDAT P.F-6~7	▶ DAT P.C-9~10	▶ SDAT P.F-8	▶ SDAT P.F-9~10	▶ HSK-F P.G-48
▶ HSK-A P.G-8~10	▶ HSK-E P.G-42			▶ PSC P.H-34	
▶ HSK-F P.G-46~47	▶ PSC P.H-33				
▶ ISO P.J-3	▶ NT.MT P.K-3				
SK3 COLLET CHUCK		SKS COLLET CHUCK		SBL SLIM-FIT COLLET CHUCK	
					
▶ BT P.A-15~16	▶ SBT P.D-19~20	▶ BT P.A-17~18	▶ SBT P.D-21~23	▶ BT P.A-19~20	▶ SBT P.D-24
▶ CAT P.B-8	▶ SCAT P.E-11	▶ CAT P.B-9	▶ SCAT P.E-12	▶ CAT P.B-10	▶ SCAT P.E-13
▶ DAT P.C-11~12	▶ SDAT P.F-11	▶ DAT P.C-13~14	▶ SDAT P.F-12	▶ DAT P.C-15	▶ SDAT P.F-13
▶ HSK-A P.G-13	▶ HSK-E P.G-44	▶ HSK-A P.G-14~15	▶ PSC P.H-36	▶ HSK-A P.G-16	▶ PSC P.H-37
▶ PSC P.H-35		▶ ISO P.J-4		▶ ISO P.J-5	








INDEX

SBLC SLIM-FIT COLLET CHUCK		EBL SLIM-FIT COLLET CHUCK		MLD MULTI-LOCK MILLING CHUCK	
					
▶ BT P.A-21~22	▶ SBT P.D-25	▶ BT P.A-23	▶ SBT P.D-26	▶ BT P.A-24~26	▶ SBT P.D-27~29
▶ CAT P.B-11	▶ SCAT P.E-14	▶ CAT P.B-12	▶ SCAT P.E-15	▶ CAT P.B-13	▶ SCAT P.E-16
▶ DAT P.C-16	▶ SDAT P.F-14	▶ DAT P.C-17	▶ SDAT P.F-15	▶ DAT P.C-18	▶ SDAT P.F-16
▶ HSK-A P.G-17	▶ PSC P.H-38	▶ HSK-A P.G-18	▶ PSC P.H-39	▶ HSK-A P.G-19~20	▶ PSC P.H-40~41
▶ ISO P.J-6		▶ ISO P.J-7		▶ NT.MT P.K-4	
EOC COLLET CHUCK		TG COLLET CHUCK		SLN SIDE LOCK END MILL HOLDER	
					
▶ BT P.A-27	▶ CAT P.B-14	▶ BT P.A-28	▶ CAT P.B-15	▶ BT P.A-29~31	▶ SBT P.D-30~34
▶ DAT P.C-19	▶ HSK-A P.G-21	▶ DAT P.C-20	▶ NT.MT P.K-6	▶ CAT P.B-16	▶ SCAT P.E-17
▶ NT.MT P.K-5				▶ DAT P.C-21	▶ SDAT P.F-17
				▶ HSK-A P.G-22~24	▶ PSC P.H-42~44
				▶ NT.MT P.K-7	
SLN SIDE LOCK END MILL HOLDER [JIS TYPE]		SLN SIDE LOCK END MILL HOLDER [FID TYPE]		SLN SIDE LOCK END MILL HOLDER [JIS-FID TYPE]	
					
▶ BT P.A-32~33	▶ SBT P.D-35~36	▶ BT P.A-34~35	▶ HSK-A P.G-26~27	▶ BT P.A-36~37	▶ HSK-A P.G-28
▶ HSK-A P.G-25					

INDEX

SLNB SIDE LOCK END MILL HOLDER	FACE MILL ARBOR / FMA TYPE	FACE MILL ARBOR / EXTENSION TYPE
		
<ul style="list-style-type: none"> ▶ HSK-A P.G-29 	<ul style="list-style-type: none"> ▶ BT P.A-38 ▶ CAT P.B-17 ▶ PSC P.H-45 	<ul style="list-style-type: none"> ▶ SBT P.D-37 ▶ SCAT P.E-18 ▶ NT P.K-8
FACE MILL ARBOR / FMB TYPE	FACE MILL ARBOR / EXTENSION TYPE	FACE MILL ARBOR / LIGHT WEIGHT TYPE
		
<ul style="list-style-type: none"> ▶ BT P.A-40~41 ▶ DAT P.C-22~23 ▶ HSK-A P.G-30~31 ▶ NT P.K-8 	<ul style="list-style-type: none"> ▶ SBT P.D-39~40 ▶ SDAT P.F-18 ▶ PSC P.H-46 	<ul style="list-style-type: none"> ▶ BT P.A-42 ▶ SBT P.D-41 ▶ BT P.A-43
FACE MILL ARBOR / FMC TYPE	SMA FACE MILL ARBOR	CSR COMBI SHELL END MILL ARBOR
		
<ul style="list-style-type: none"> ▶ BT P.A-44~45 ▶ DAT P.C-24 ▶ HSK-A P.G-32 	<ul style="list-style-type: none"> ▶ SBT P.D-42~44 ▶ SDAT P.F-19 ▶ PSC P.H-47 	<ul style="list-style-type: none"> ▶ BT P.A-47 ▶ DAT P.C-25 ▶ HSK-A P.G-33 ▶ NT P.K-9

INDEX

SIDE CUTTER ADAPTER		SPH DRILL CHUCK ADAPTER		SPU DRILL CHUCK ADAPTER	
					
▶ BT	P.A-48~49	▶ SBT	P.D-46~47	▶ BT	P.A-51
▶ PSC	P.H-48	▶ BT	P.A-50	▶ CAT	P.B-18
		▶ DAT	P.C-26	▶ HSK-A	P.G-34
				▶ NT.MT	P.K-10
JTA DRILL CHUCK ARBOR		QUICK CHANGE TAPPING CHUCK		EXPANSION ER TAPPER	
					
▶ BT	P.A-52	▶ CAT	P.B-20	▶ BT	P.A-57
▶ DAT	P.C-28	▶ NT	P.K-11	▶ CAT	P.B-21
				▶ DAT	P.C-29
SIDE LOCK OIL HOLE HOLDER		OTHER OIL HOLE COLLET CHUCK		SOM SCREWED END MILL HOLDER	
					
▶ BT	P.A-58	▶ CAT	P.B-22	▶ BT	P.A-60
▶ DAT	P.C-30	▶ BT	P.A-59	▶ CAT	P.B-23
		▶ DAT	P.C-31	▶ HSK-A	P.G-36
				▶ DAT	P.C-32










INDEX

MTA MORSE TAPER ADAPTER		MTB MORSE TAPER ADAPTER		ADAPTER	
					
▶ BT	P.A-61	▶ SBT	P.D-48	▶ BT	P.A-63
▶ CAT	P.B-25	▶ SCAT	P.E-19	▶ CAT	P.B-26
▶ DAT	P.C-33	▶ SDAT	P.F-20	▶ DAT	P.C-34
▶ HSK-A	P.G-37	▶ NT.MT	P.K-12	▶ HSK-A	P.G-38
				▶ NT.MT	P.K-13
BLANK		EXTERNAL TURNING TOOL		SLT SIDE LOCK HOLDER	
					
▶ BT	P.A-64	▶ SBT	P.D-51	▶ HSK-T	P.G-51~55
▶ CAT	P.B-27	▶ SCAT	P.E-21	▶ PSC	P.H-7~16
▶ DAT	P.C-35	▶ HSK-A	P.G-39	▶ HSK-T	P.G-56
▶ PSC	P.H-51	▶ VDI	P.V-4		
SLD SIDE LOCK HOLDER		EXTERNAL TURNING TOOL HOLDER		INTERNAL BORING BAR	
					
▶ HSK-T	P.G-57	▶ HSK-T	P.G-57~59	▶ PSC	P.H-17~18
				▶ PSC	P.H-19~21









INDEX

INDEXABLE END MILL CUTTER	SFC SHRINK FIT CHUCK	SFC SHRINK FIT CHUCK [CUL TYPE]
 <ul style="list-style-type: none"> ▶ PSC P.H-22~25 	 <ul style="list-style-type: none"> ▶ BT P.L-6~17 ▶ CAT P.L-18~21 ▶ DAT P.L-22~26 ▶ HSK-A P.L-47~57 ▶ HSK-F P.L-71~74 ▶ ISO P.L-80~81 ▶ SBT P.L-27~33 ▶ SCAT P.L-36~39 ▶ SDAT P.L-42~45 ▶ HSK-E P.L-60~69 ▶ PSC P.L-76~78 	 <ul style="list-style-type: none"> ▶ SBT P.L-34~35 ▶ SCAT P.L-40~41 ▶ SDAT P.L-46 ▶ HSK-A P.L-58~59 ▶ HSK-E P.L-70 ▶ HSK-F P.L-75 ▶ PSC P.L-79
SFC SHRINK FIT CHUCK WITH CP COOLANT HOLE	BORING HEAD SHANK SET	BORING HEAD SHANK [SCK.MCK]
 <ul style="list-style-type: none"> ▶ BT P.L-82~85 ▶ CAT P.L-86~89 ▶ DAT P.L-90~94 ▶ HSK-A P.L-110~113 ▶ SBT P.L-95~101 ▶ SCAT P.L-102~105 ▶ SDAT P.L-106~109 ▶ PSC P.L-114~115 	 <ul style="list-style-type: none"> ▶ BT P.M-9~10 ▶ C P.M-9 ▶ NT P.M-9 ▶ DAT P.M-9 ▶ R8 P.M-9 	 <ul style="list-style-type: none"> ▶ BT P.M-19~26 ▶ CAT P.M-27~28 ▶ DAT P.M-29~30 ▶ HSK-A P.M-42~45 ▶ SBT P.M-31~37 ▶ SCAT P.M-38~39 ▶ SDAT P.M-40~41 ▶ PSC P.M-46~48
NBH BORING HEAD SHANK	BST BORING HEAD SHANK	PRECISION BORING HEAD SHANK
 <ul style="list-style-type: none"> ▶ BT P.M-54 ▶ DAT P.M-55 	 <ul style="list-style-type: none"> ▶ BT P.M-53 ▶ DAT P.M-53 	 <ul style="list-style-type: none"> ▶ BT P.M-56~57 ▶ C P.M-56 ▶ MTB P.M-56 ▶ DAT P.M-56 ▶ R8 P.M-56 ▶ NT P.M-56

INDEX

BYB BORING HEAD SHANK		SQUARE CUTTER BORING BAR		SQUARE CUTTER BORING BAR	
					
▶ BT	P,M-59	▶ BT	P,M-60	▶ BT	P,M-61
HBL SLIM-FIT COLLET CHUCK		STA SYNCHRONIZED TAPPING HOLDER		SAF RUNOUT ADJUSTABLE HOLDER	
					
▶ BT	P,N-2	▶ SBT	P,N-5	▶ BT	P,R-2~5
▶ CAT	P,N-3	▶ SCAT	P,N-6	▶ SBT	P,Q-12~15
▶ DAT	P,N-4	▶ SDAT	P,N-7	▶ CAT	P,Q-6~8
▶ HSK-A	P,N-8	▶ PSC	P,N-9	▶ SCAT	P,Q-16~18
		▶ DAT	P,Q-9~11	▶ SDAT	P,Q-19~21
		▶ HSK-A	P,Q-22~25	▶ PSC	P,Q-26~29
				▶ CAT	P,R-6~9
				▶ SCAT	P,R-18~21
				▶ DAT	P,R-10~13
				▶ SDAT	P,R-22~25
				▶ HSK-A	P,R-26~30
				▶ PSC	P,R-31~34
STA SYNCHRONIZED TAPPING HOLDER BODY		SAF RUNOUT ADJUSTABLE HOLDER BODY		SAG-D ANGLE HEAD HOLDER	
					
▶ BT	P,Q-34	▶ SBT	P,Q-35	▶ BT	P,S-2
▶ CAT	P,Q-34	▶ SCAT	P,Q-35	▶ SBT	P,S-2
▶ DAT	P,Q-34	▶ SDAT	P,Q-35		
▶ HSK-A	P,Q-34	▶ PSC	P,Q-34		
		▶ BT	P,R-35		
		▶ CAT	P,R-35		
		▶ DAT	P,R-35		
		▶ HSK-A	P,R-35		
		▶ SBT	P,R-36		
		▶ SCAT	P,R-36		
		▶ SDAT	P,R-36		
		▶ PSC	P,R-35		

INDEX

SAU ANGLE HEAD HOLDER				SAR ANGLE HEAD HOLDER				SAC ANGLE HEAD HOLDER			
											
▶ BT	P.S-3	▶ CAT	P.S-3	▶ BT	P.S-4~7	▶ SBT	P.S-4~7	▶ BT	P.S-8~17	▶ SBT	P.S-8~17
				▶ CAT	P.S-4~7	▶ SCAT	P.S-4~7	▶ CAT	P.S-8~17	▶ SCAT	P.S-8~17
				▶ DAT	P.S-4~7	▶ SDAT	P.S-4~7	▶ DAT	P.S-8~17	▶ SDAT	P.S-8~17
								▶ HSK	P.S-8~17		
SAM ANGLE HEAD HOLDER				SAG ANGLE HEAD HOLDER				SAD ANGLE HEAD HOLDER			
											
▶ BT	P.S-18~27	▶ SBT	P.S-18~27	▶ BT	P.S-28~29	▶ SBT	P.S-30~31	▶ HSK	P.S-33	▶ SBT	P.S-33
▶ CAT	P.S-18~27	▶ SCAT	P.S-18~27	▶ HSK	P.S-32						
▶ DAT	P.S-18~27	▶ SDAT	P.S-18~27								
▶ HSK	P.S-18~27										
SPINDLE TEST BAR				SPINDLE MASTER BAR							
											
▶ BT	P.W-2	▶ HSK-A	P.W-2	▶ SBT	P.W-4	▶ HSK-F	P.W-4				
▶ CAT	P.W-2	▶ VDI	P.W-3	▶ SCAT	P.W-4	▶ PSC	P.W-4				
▶ DAT	P.W-2	▶ ER	P.W-3	▶ HSK-A	P.W-4						
▶ MTB	P.W-2			▶ HSK-E	P.W-4						

INDEX

TAPPING COLLET	ShrinkSTATION HEATING MACHINE	SHRINK-FIT MACHINE	SHRINK-FIT MACHINE
 ▶ TCS-B P.A-54~56	 ▶ 00400 P.L-2	 ▶ 00100 P.L-3	 ▶ 00301-A P.L-4
SLF SLIM-FIT SHRINK FIT COLLET CHUCK	SFC SHRINK FIT CHUCK	SFE SHRINK FIT COLLET CHUCK	SMU BLACK KNIGHT FINISH BORING HEAD
 ▶ SLF P.L-116~117	 ▶ C P.L-118~120	 ▶ SFE P.L-121~122	 ▶ SMU P.M-2
PCK ROUGH BORING HEAD	ROUGHING TWIN ADJUSTMENT BORING HEAD	PBJ FINISH BORING HEAD	SBJ BORING HEAD FOR FINISHING
 ▶ PCK P.M-3	 ▶ SCK P.M-3	 ▶ PBJ P.M-4	 ▶ SBJ P.M-4
SBE EXTENDED BORING INSERT SEAT	SLEEVE FOR TUNGSTEN STEEL TOOL HOLDER	ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER	THROW-AWAY BORING HEAD
 ▶ SBE P.M-5	 ▶ SBJ P.M-6	 ▶ ST P.M-6	 ▶ SEB P.M-7
BORING CUTTER	PMB FINISH BORING HEAD	SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	SRW ROUGHING BORING HEAD
 ▶ SBJ P.M-8	 ▶ PMB P.M-11	 ▶ SMB P.M-12~13	 ▶ SRW P.M-14

INDEX

SRW ROUGHING BORING HEAD	SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	SIMPLIFIED TOOL PRESETTER FOR SRW & SMB BORING HEAD
			
▶ SRW-BST P.M-15	▶ SMB P.M-16	▶ SMB-BST P.M-17	▶ SET P.M-18
STRAIGHT SHANK SCK.MCK BORING HEAD SHANK	EXTENSION SPACER	NBH BORING HEAD	PRECISION BORING HEAD SHANK
			
▶ CxSCK/MCK P.M-49~50	▶ SCK/MCK P.M-51~52	▶ NBH P.M-54	▶ C/R8/NT/MTB P.M-55
BYB BORING HEAD	BYB FINISH BORING HEAD BODY	THROW AWAY BORING CUTTER	THROW AWAY BORING CUTTER
			
▶ BYB P.M-58	▶ BYB P.M-58	▶ SBS P.M-62	▶ CBS P.M-63
HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	FR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	GR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	HF POWERLOC SQUARE SHANK HIGH-FEED END MILL
			
▶ R P.N-10	▶ FR P.N-11	▶ GR P.N-12	▶ HF P.N-13
HLB / SFC COLLET TYPE SHRINK FIT CHUCK	MAP / CMAP FACE CONTACT TYPE 90° END MILL CUTTER	HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	PMB FACE CONTACT TYPE FINISH BORING HEAD
			
▶ SFC P.N-14~15	▶ MAP/CMAP P.N-16~17	▶ BFC P.N-18~19	▶ PMB P.N-20

INDEX

PCK FACE CONTACT TYPE ROUGH BORING HEAD	MCK FACE CONTACT TYPE BORING HEAD	STA SYNCHRONIZED TAPPING HOLDER	STA SYNCHRONIZED TAPPING HOLDER
 ▶ PCK P.N-21	 ▶ MCK P.N-22	 ▶ CxSTA-T P.Q-30~31	 ▶ CxSTA-U P.Q-32
STA SYNCHRONIZED TAPPING HOLDER	STA SYNCHRONIZED TAPPING HOLDER BODY	TAP ADAPTER FOR STA	TAP ADAPTER FOR STA
 ▶ CxSTA-E P.Q-33	 ▶ CxSTA P.Q-36	 ▶ PTER P.Q-37	 ▶ UT P.Q-38
TAP ADAPTER FOR STA	SHRINK FIT CHUCK FLANGE FOR SAF	SK3 COLLET CHUCK FLANGE FOR SAF	PNER COLLET CHUCK FLANGE FOR SAF
 ▶ ER P.Q-39	 ▶ SFC P.R-37	 ▶ SK3 P.R-38	 ▶ PNER P.R-39
UT COLLET CHUCK FLANGE FOR SAF	FIXED BLOCK	NC / ER COLLET CHUCK	COLLET CHUCK
 ▶ UT P.R-40	 ▶ SFT/SFO P.S-35~36	 ▶ NC/ER P.T-2	 ▶ C/ER P.T-3~4
COLLET CHUCK	ER COLLET CHUCK	ER COLLET CHUCK	ER TAPPER
 ▶ C/ER-M P.T-5~6	 ▶ DE/ER-M P.T-7	 ▶ C/ER-M P.T-8	 ▶ TP P.T-9

INDEX

STRAIGHT SHANK SBL/EBL COLLET CHUCK	STRAIGHT SHANK SIDE LOCK HOLDER	EOTP ONE-PIECE EXTERNAL TOOL POST	IOTP ONE-PIECE INTERNAL TOOL POST
 ▶ C/SBL,EBL P.T-10~11	 ▶ CxSL P.T-12	 ▶ EOTP P.H-2	 ▶ IOTP P.H-2
IOTP-QR ONE-PIECE INTERNAL TOOL POST	PSC / SPD HIGH SPEED DRILL	AL ADAPTER [FOR PSC TOOL HOLDER]	HIGH-PRESSURE COOLANT PIPE
 ▶ IOTP P.H-3	 ▶ SPD P.H-26~27	 ▶ AL P.H-4	 ▶ HOSE P.H-4
EXTERNAL TURNING TOOL HOLDER [B1~B4]	FACE TURNING TOOL HOLDER [C1~C4]	SIDE LOCK HOLDER	BORING BAR HOLDER
 ▶ B1~B4 P.V-5~6	 ▶ C1~C4 P.V-7~8	 ▶ E1 P.V-9	 ▶ E2 P.V-10
EOC COLLET CHUCK HOLDER FOR EOC COLLETS	ER COLLET CHUCK HOLDER FOR ER COLLETS	VDI DRILL CHUCK	PN COLLET
 ▶ E3 P.V-11	 ▶ E4 P.V-11	 ▶ SPU P.V-12	 ▶ PN P.W-5
PN-ES COLLET	ER COLLET	ER-E COLLET	ER-ES COLLET
 ▶ PN-ES P.W-6	 ▶ ER P.W-7~9	 ▶ ER-E P.W-10	 ▶ ER-ES P.W-11~12

INDEX

ERS METALLIC SEALED COLLET	ERS COOLANT COLLET [FOD TYPE]	ER-EO SEALED COLLET	ER COOLANT COLLET [FID.FOD]
 ▶ ERS P.W-13~14	 ▶ ERS-FOD P.W-15~16	 ▶ ER-EO P.W-17	 ▶ FID.FOD P.W-18~19
ER-TC RIGID TAP COLLET	ER-TC RIGID TAP SEALED COLLET	ER-TC RIGID TAP SEALED COLLET [FOD TYPE]	ER FLOATING TAP COLLET
 ▶ ER-TC P.W-20~25	 ▶ ER-TCO P.W-26	 ▶ ER-TC-FOD P.W-27	 ▶ FT P.W-28
SKX COLLET	SKS COLLET	SLC COLLET	SLC SEALED COLLET
 ▶ SKX P.W-29	 ▶ SK3 P.W-30~32	 ▶ SLC P.W-33	 ▶ SLC-C P.W-34
EBL COLLET	EBL SEALED COLLET	HYC REDUCTION SLEEVE	STRAIGHT COLLET
 ▶ EBL P.W-35	 ▶ EBL-CO P.W-36	 ▶ HYC P.W-37	 ▶ HSC/SSC/SSC-C P.W-38~40
EOC COLLET	TG COLLET	TG SEALED COLLET	PNER CLAMPING NUT
 ▶ EOC P.W-41	 ▶ TG P.W-42~43	 ▶ TG P.W-44	 ▶ PNER P.W-45~46

INDEX

PTER CLAMPING NUT	UT CLAMPING COLLET	ER CLAMPING NUT	ER HIGH SPEED PRECISION NUT
 ▶ PTER P.W-47	 ▶ UT P.W-47	 ▶ ER P.W-48~49	 ▶ ER-HSP P.W-49
HIGH SPEED POWER GOOD NUT	ER SEALED NUT	ER NON WIND RESISTANCE NUT	SK3 NON WIND RESISTANCE NUT
 ▶ ER-HS P.W-50	 ▶ ER-CO P.W-51	 ▶ ER P.W-52	 ▶ SK3 P.W-52
SKS CLAMPING NUT	SKS NON WIND RESISTANCE NUT	SKS SEALED NUT	SKX SEALED NUT
 ▶ SKS P.W-53	 ▶ SKS P.W-53	 ▶ SKS-CO P.W-54	 ▶ SKX P.W-55
SKX SEALED CAP	EOC CLAMPING NUT	TG CLAMPING NUT	MLD SEALED CAP
 ▶ SKX P.W-56	 ▶ EOC P.W-57	 ▶ TG P.W-57	 ▶ MLD P.W-58
SR SEALED RING	BT PULL STUD	CAT PULL STUD	DAT PULL STUD
 ▶ SR P.W-59	 ▶ BT P.W-60~61	 ▶ CAT P.W-62	 ▶ DAT P.W-63

INDEX

ISO PULL STUD	SQUARE SHANK ADAPTER	HSK COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
 ▶ ISO P.W-64	 ▶ PLSS P.W-65	 ▶ HSK-CP P.W-66	 ▶ HSK-CPW P.W-66
PSC SUPPLY UNIT	PARTS	PARTS	PARTS
 ▶ PSC P.W-66	 ▶ KEY P.W-67	 ▶ CORE P.W-67	 ▶ CONU P.W-67
PARTS	SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH	NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH	SPANNER
 ▶ COSP P.W-67	 ▶ DG P.W-68	 ▶ WRENCH P.W-69~70	 ▶ SPANNER P.W-71~72
BEARING SPANNER	STRAIGHT SHANK SOM EXTENSION HOLDER	STR SCREWED CUTTING TOOL	RG SCREWED CUTTING TOOL
 ▶ SPANNER P.W-73	 ▶ SOM P.W-74	 ▶ STR P.W-75	 ▶ RG P.W-76
DM SCREWED CUTTING TOOL	SOM EXTENSION SPACER	MTB / ER COLLET HOLDER	R8 / ER COLET HOLDER
 ▶ DM P.W-77	 ▶ SOM P.W-78	 ▶ MTB P.W-79	 ▶ R8 P.W-79

INDEX

DRILL SLEEVE	DRILL CHUCK ARBOR	R8 DRILL CHUCK ARBOR	TANG
 ▶ DRILL P.W-80	 ▶ JT P.W-80	 ▶ R8-JT P.W-81	 ▶ MT P.W-81
MORSE TAPER ADAPTER	DRILL SLEEVE	KEYLESS DRILL CHUCK	STRAIGHT SLEEVE
 ▶ SSC-MTA P.W-82	 ▶ SSC-JT P.W-82	 ▶ S-JT P.W-83	 ▶ OSL P.W-83
OIL INJECTION ROTARY CENTER	INTERCHANGEABLE LIVE CENTER	AUTOMATIC ADJUSTABLE INSERTED CENTER	OPTICAL EDGE FINDER
 ▶ MT P.W-84	 ▶ MT P.W-85	 ▶ MT/SC66 P.W-85	 ▶ OP P.W-86
E.S. OPTICAL EDGE FINDER	MECHANICAL EDGE FINDER	SCREW	SHELL MILL SCREW
 ▶ ES P.W-86	 ▶ ME/HME P.W-87	 ▶ SCREW P.W-88	 ▶ WF P.W-89
SCREW WITH COOLANT FLUTE	END MILL HOLDER REPLACEMENT LOCK SCREW	SCREW FOR SBL & SBL C COLLET CHUCK	Z AXIAL PRESET GAUGE
 ▶ FMC P.W-90	 ▶ SCREW P.W-90	 ▶ SCREW P.W-91	 ▶ Z P.W-92

INDEX

ZDI-100 Z AXIAL PRESET GAUGE	ZSW-100 Z AXIAL PRESET GAUGE	FIXED BLOCK FOR OIL HOLE HOLDER	TOOL HOLDER LOCKING DEVICE
			
▶ ZDI-100 P.W-93	▶ ZSW-100 P.W-93	▶ SFB P.W-94	▶ 301 P.W-94
TOOL HOLDER LOCKING DEVICE	SPINDLE TAPER WIPER	ER COLLET WOODEN TRAY	BOX
			
▶ LOCK-DEVICE P.W-96~97	▶ TAPER WIPER P.W-98	▶ ER P.W-99	▶ BOX P.W-100
ER COLLET SET	ER MILLING CHUCK SET	ER COLLET CHUCK SET	MILLING CHUCK SET
			
▶ ER P.X-2	▶ ER P.X-3	▶ ER P.X-4	▶ BOX P.X-5
EOC 32 MILLING CHUCK SET	TG 100 MILL CHUCK SET	SKS.SBL.MLD COLLET CHUCK FULL SET	EBL COLLET CHUCK FULL SET
			
▶ ER P.X-6	▶ ER P.X-7	▶ BT.CAT.DAT P.X-8	▶ BT.CAT.DAT P.X-9

BT

CATEGORY

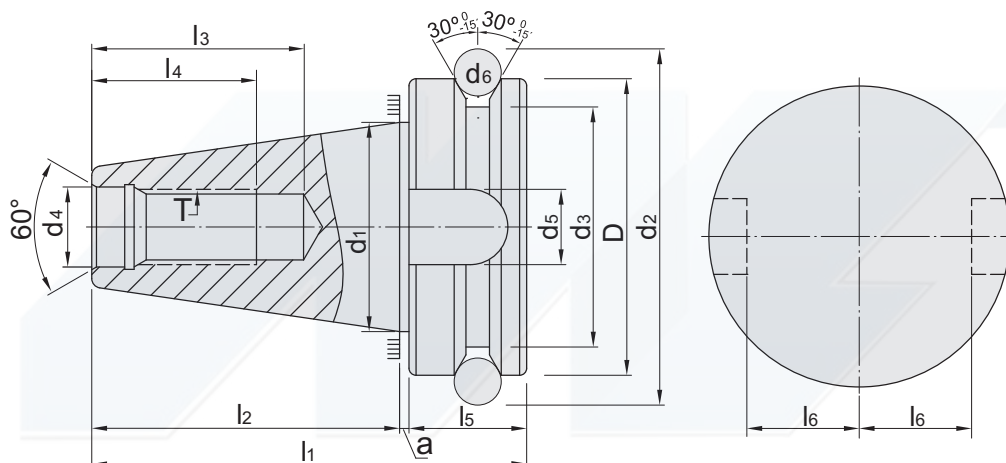
MAS 403

PNER COLLET CHUCK	A-3~4
PTER COLLET CHUCK	A-5~6
UT COLLET CHUCK	A-7~9
ER COLLET CHUCK	A-10~12
ER COLLET CHUCK [M TYPE]	A-13~14
SK3 COLLET CHUCK	A-15~16
SKS COLLET CHUCK	A-17~18
SBL SLIM-FIT COLLET CHUCK	A-19~20
SBLC SLIM-FIT COLLET CHUCK	A-21~22
EBL SLIM-FIT COLLET CHUCK	A-23
MLD MULTI-LOCK MILLING CHUCK	A-24~26
EOC COLLET CHUCK	A-27
TG COLLET CHUCK	A-28
SLN SIDE LOCK END MILL HOLDER	A-29~31
SLN SIDE LOCK END MILL HOLDER [JIS TYPE]	A-32~33
SLN SIDE LOCK END MILL HOLDER [FID TYPE]	A-34~35
SLN SIDE LOCK END MILL HOLDER [JIS-FID TYPE]	A-36~37
FACE MILL ARBOR [FMA/FMB TYPE]	A-38~43
FACE MILL ARBOR [FMC TYPE]	A-44~45
SMA FACE MILL ARBOR	A-46
CSR COMBI SHELL END MILL ARBOR	A-47
SCA SIDE CUTTER ADAPTER	A-48~49
SPH DRILL CHUCK ADAPTER	A-50
SPU DRILL CHUCK ADAPTER	A-51
DRILL CHUCK ARBOR	A-52
QUICK CHANGE TAPPING CHUCK	A-53~54
TAPPING COLLET	A-55~57
ETP EXPANSION ER TAPPER	A-58
OSL SIDE LOCK OIL HOLE HOLDER	A-59
OHER OIL HOLE COLLET CHUCK	A-60
SOM SCREWED END MILL HOLDER	A-61
MTA / MTB MORSE TAPER ADAPTER	A-62~63
ADAPTER	A-64
BLANK	A-65

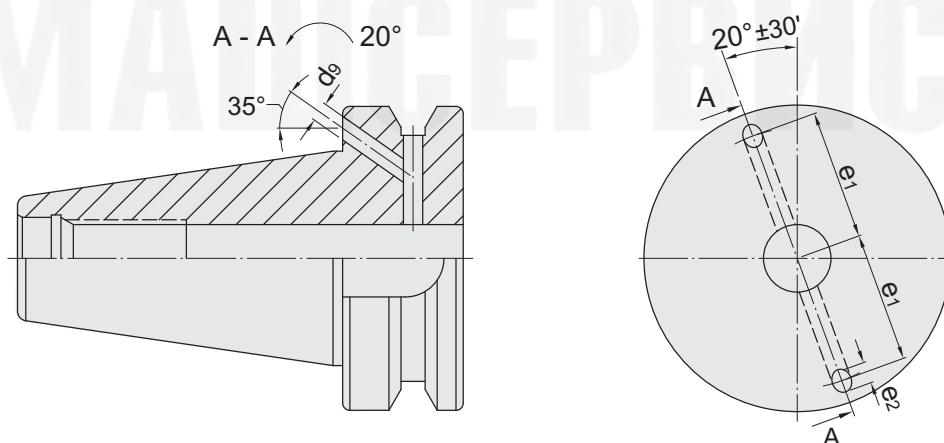
REFERENCE DETAILS

- ▶ Shank body standard : **JIS MAS 403**
- ▶ Hardness > **HRC 56°**
- ▶ Roundness < **0.8 μm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.
- ▶ Taper tolerance < **AT3**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Carbon depth > **0.8mm**

MAS403/BT A



MAS403/BT AD+B



BT	D _{h8}	d ₁	d ₂	d ₃	d ₄ _{H8}	d ₅ _{H12}	d ₆	d ₉ _{H12}	a _{±0.4}
30	46	31.75	56.14	38	12.5	16.1	8	-	2
40	63	44.45	75.679	53	17	16.1	10	4	2
50	100	69.85	119.02	85	25	25.7	15	6	3
BT	l ₁	l ₂ _{±0.2}	l ₃ _{min}	l ₄ _{min}	l ₅	l ₆ _{0 -0.2}	e ₁ _{±0.1}	e ₂ _{MAX}	T _{6H}
30	70.4	48.4	34	24	20	16.3	-	-	M12 x 1.75P
40	92.4	65.4	43	30	25	22.6	27	5	M16 x 2.0P
50	139.8	101.8	62	45	35	35.4	42	7	M24 x 3.0P

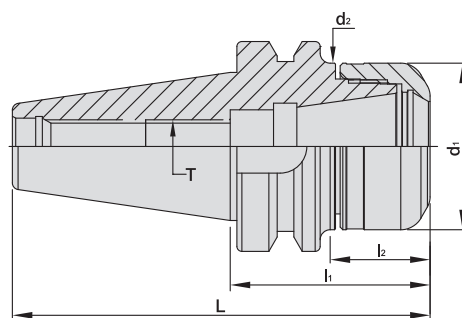
BT / PNER COLLET CHUCK



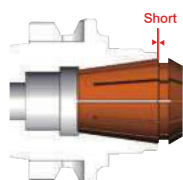
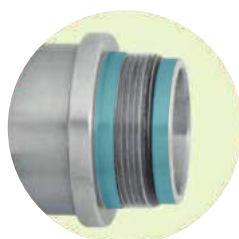
BT / PNER 立銑刀夾頭



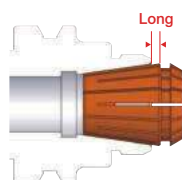
T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16704	BT30 x PNER16 - 50	98.4	50	25	30	30	M10 x 1.5P	3 ~ 10	0.80
16704 - 70	BT30 x PNER16 - 70	118.4	70	47	30	30	M10 x 1.5P	3 ~ 10	0.70
16706	BT30 x PNER20 - 60	108.4	60	37	32	32	M12 x 1.75P	3 ~ 13	0.80
16708	BT30 x PNER25 - 60	108.4	60	37	40	40	M16 x 2.0P	3 ~ 16	0.90
16710	BT30 x PNER32 - 60	108.4	60	33	50	50	-	3 ~ 20	1.00
16714	BT40 x PNER16 - 70	135.4	70	40	30	30	M10 x 1.5P	3 ~ 10	1.12
16714 - 130	BT40 x PNER16 - 130	195.4	130	93	30	30	M10 x 1.5P	3 ~ 10	1.36
16714 - 160	BT40 x PNER16 - 160	225.4	160	123	30	30	M10 x 1.5P	3 ~ 10	1.49
16716	BT40 x PNER20 - 70	135.4	70	40	32	32	M12 x 1.75P	3 ~ 13	1.14
16716 - 130	BT40 x PNER20 - 130	195.4	130	93	32	32	M12 x 1.75P	3 ~ 13	1.41
16716 - 160	BT40 x PNER20 - 160	225.4	160	123	32	32	M12 x 1.75P	3 ~ 13	1.56
16718	BT40 x PNER25 - 70	135.4	70	40	40	40	M16 x 2.0P	3 ~ 16	1.19
16718 - 130	BT40 x PNER25 - 130	195.4	130	98	40	40	M16 x 2.0P	3 ~ 16	1.66
16718 - 160	BT40 x PNER25 - 160	225.4	160	128	40	40	M16 x 2.0P	3 ~ 16	1.92
16720	BT40 x PNER32 - 70	135.4	70	40	50	50	M16 x 2.0P	3 ~ 20	1.20
16720 - 130	BT40 x PNER32 - 130	195.4	130	100	50	50	M16 x 2.0P	3 ~ 20	2.07
16720 - 160	BT40 x PNER32 - 160	225.4	160	130	50	50	M16 x 2.0P	3 ~ 20	2.49
16722	BT40 x PNER40 - 70	135.4	70	38	63	63	M20 x 2.0P	6 ~ 26	1.40



PNER



Standard ER

Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73



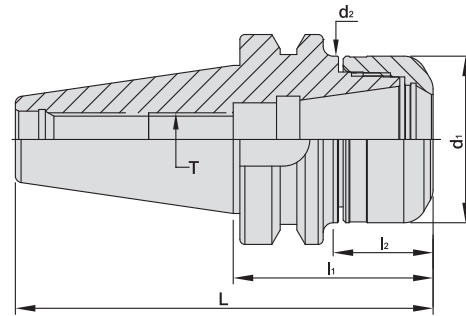
BT / PNER COLLET CHUCK



BT / PNER 立銑刀夾頭

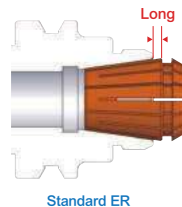
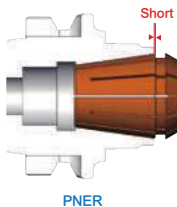
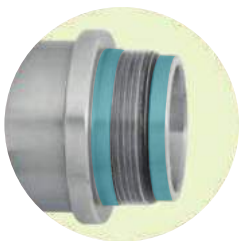


台灣精品2017
TAIWAN EXCELLENCE



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M501316
J P PAT NO. 3128766
J P PAT NO. 3200356
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16728	BT50 x PNER16 - 70	171.8	70	29	30	30	M10 x 1.5P	3 ~ 10	3.00
16728 - 130	BT50 x PNER16 - 130	231.8	130	82	30	30	M10 x 1.5P	3 ~ 10	3.88
16728 - 160	BT50 x PNER16 - 160	261.8	160	112	30	30	M10 x 1.5P	3 ~ 10	4.01
16730	BT50 x PNER20 - 70	171.8	70	29	32	32	M12 x 1.75P	3 ~ 13	3.00
16730 - 130	BT50 x PNER20 - 130	231.8	130	82	32	32	M12 x 1.75P	3 ~ 13	3.91
16730 - 160	BT50 x PNER20 - 160	261.8	160	112	32	32	M12 x 1.75P	3 ~ 13	4.06
16732	BT50 x PNER25 - 70	171.8	70	29	40	40	M16 x 2.0P	3 ~ 16	3.93
16732 - 130	BT50 x PNER25 - 130	231.8	130	82	40	40	M16 x 2.0P	3 ~ 16	4.06
16732 - 160	BT50 x PNER25 - 160	261.8	160	112	40	40	M16 x 2.0P	3 ~ 16	4.27
16734	BT50 x PNER32 - 70	171.8	70	31	50	50	M16 x 2.0P	3 ~ 20	4.12
16734 - 130	BT50 x PNER32 - 130	231.8	130	82	50	50	M16 x 2.0P	3 ~ 20	4.43
16734 - 160	BT50 x PNER32 - 160	261.8	160	112	50	50	M16 x 2.0P	3 ~ 20	4.80
16736	BT50 x PNER40 - 80	181.8	80	39	63	63	M20 x 2.0P	6 ~ 26	4.20
16736 - 130	BT50 x PNER40 - 130	231.8	130	82	63	63	M20 x 2.0P	6 ~ 26	4.97
16736 - 160	BT50 x PNER40 - 160	261.8	160	112	63	63	M20 x 2.0P	6 ~ 26	5.61



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73

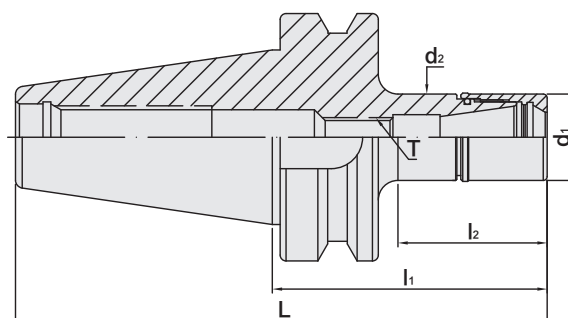
BT / PTER COLLET CHUCK



BT / PTER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
15732	BT30 x PTER11 - 70	118.4	70	43	16	16	M6 x 1.0P	3 ~ 7	0.43
15732 - 100	BT30 x PTER11 - 100	148.4	100	73	16	16	M6 x 1.0P	3 ~ 7	0.47
15732 - 120	BT30 x PTER11 - 120	168.4	120	93	16	16	M6 x 1.0P	3 ~ 7	0.49
15734	BT30 x PTER16 - 70	118.4	70	43	22	22	M10 x 1.5P	3 ~ 10	0.46
15734 - 100	BT30 x PTER16 - 100	148.4	100	73	22	22	M10 x 1.5P	3 ~ 10	0.53
15734 - 120	BT30 x PTER16 - 120	168.4	120	93	22	22	M10 x 1.5P	3 ~ 10	0.58
15736	BT30 x PTER20 - 70	118.4	70	45	28	28	M12 x 1.75P	3 ~ 13	0.51
15736 - 100	BT30 x PTER20 - 100	148.4	100	75	28	28	M12 x 1.75P	3 ~ 13	0.63
15736 - 120	BT30 x PTER20 - 120	168.4	120	95	28	28	M12 x 1.75P	3 ~ 13	0.72
15736 - 150	BT30 x PTER20 - 150	198.4	150	125	28	28	M12 x 1.75P	3 ~ 13	0.84
15742	BT40 x PTER11 - 70	135.4	70	38	16	16	M6 x 1.0P	3 ~ 7	0.98
15742 - 100	BT40 x PTER11 - 100	165.4	100	63	16	16	M6 x 1.0P	3 ~ 7	1.03
15742 - 125	BT40 x PTER11 - 125	190.4	125	83	16	16	M6 x 1.0P	3 ~ 7	1.08
15742 - 150	BT40 x PTER11 - 150	215.4	150	108	16	16	M6 x 1.0P	3 ~ 7	1.11
15744	BT40 x PTER16 - 70	135.4	70	38	22	22	M10 x 1.5P	3 ~ 10	1.02
15744 - 100	BT40 x PTER16 - 100	165.4	100	63	22	22	M10 x 1.5P	3 ~ 10	1.10
15744 - 125	BT40 x PTER16 - 125	190.4	125	88	22	22	M10 x 1.5P	3 ~ 10	1.16
15744 - 150	BT40 x PTER16 - 150	215.4	150	113	22	22	M10 x 1.5P	3 ~ 10	1.22
15746	BT40 x PTER20 - 70	135.4	70	38	28	28	M12 x 1.75P	3 ~ 13	1.06
15746 - 100	BT40 x PTER20 - 100	165.4	100	63	28	28	M12 x 1.75P	3 ~ 13	1.25
15746 - 125	BT40 x PTER20 - 125	190.4	125	88	28	28	M12 x 1.75P	3 ~ 13	1.27
15746 - 150	BT40 x PTER20 - 150	215.4	150	113	28	28	M12 x 1.75P	3 ~ 13	1.36

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

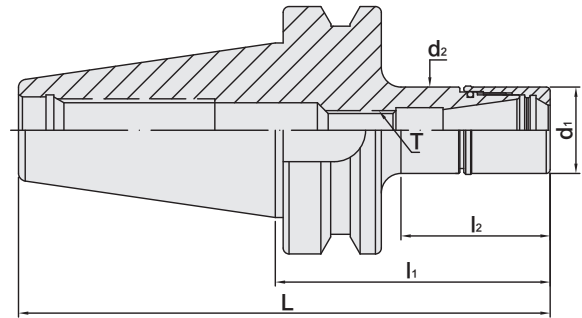
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-88	P.W-68~73



BT / PTER COLLET CHUCK



BT / PTER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
15752	BT50 x PTER11 - 70	171.8	70	27	16	16	M6 x 1.0P	3 ~ 7	3.48
15752 - 90	BT50 x PTER11 - 90	191.8	90	42	16	16	M6 x 1.0P	3 ~ 7	3.52
15752 - 105	BT50 x PTER11 - 105	206.8	105	57	16	16	M6 x 1.0P	3 ~ 7	3.53
15752 - 135	BT50 x PTER11 - 135	236.8	135	73.5	16	16	M6 x 1.0P	3 ~ 7	3.63
15752 - 165	BT50 x PTER11 - 165	266.8	165	103.5	16	16	M6 x 1.0P	3 ~ 7	3.67
15754	BT50 x PTER16 - 70	171.8	70	27	22	22	M10 x 1.5P	3 ~ 10	3.53
15754 - 90	BT50 x PTER16 - 90	191.8	90	47	22	22	M10 x 1.5P	3 ~ 10	3.54
15754 - 105	BT50 x PTER16 - 105	206.8	105	59	22	22	M10 x 1.5P	3 ~ 10	3.56
15754 - 135	BT50 x PTER16 - 135	236.8	135	87	22	22	M10 x 1.5P	3 ~ 10	3.62
15754 - 165	BT50 x PTER16 - 165	266.8	165	117	22	22	M10 x 1.5P	3 ~ 10	3.68
15756	BT50 x PTER20 - 70	171.8	70	29	28	28	M12 x 1.75P	3 ~ 13	3.57
15756 - 90	BT50 x PTER20 - 90	191.8	90	47	28	28	M12 x 1.75P	3 ~ 13	3.62
15756 - 105	BT50 x PTER20 - 105	206.8	105	57	28	28	M12 x 1.75P	3 ~ 13	3.66
15756 - 135	BT50 x PTER20 - 135	236.8	135	87	28	28	M12 x 1.75P	3 ~ 13	3.82
15756 - 165	BT50 x PTER20 - 165	266.8	165	117	28	28	M12 x 1.75P	3 ~ 13	3.92

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN-U 5μm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-88	P.W-68~73

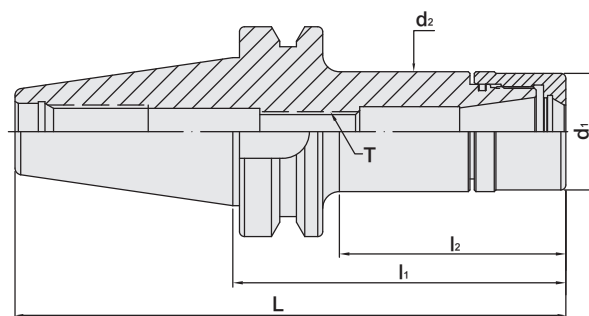
BT / UT COLLET CHUCK



BT / UT 立銑刀夾頭



T W PAT NO. M298033
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 J P PAT NO. 3128766
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 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
10.753.16.070	BT30 x UT16 - 70	118.4	70	43	30	30	M10 x 1.5P	1 ~ 10	0.58
10.753.16.100	BT30 x UT16 - 100	148.4	100	73	30	30	M10 x 1.5P	1 ~ 10	0.72
10.753.16.125	BT30 x UT16 - 125	173.4	125	98	30	30	M10 x 1.5P	1 ~ 10	0.84
10.753.16.150	BT30 x UT16 - 150	198.4	150	123	30	30	M10 x 1.5P	1 ~ 10	0.96
10.753.20.070	BT30 x UT20 - 70	118.4	70	47	35	36	M12 x 1.75P	1 ~ 13	0.63
10.753.20.100	BT30 x UT20 - 100	148.4	100	77	35	36	M12 x 1.75P	1 ~ 13	0.85
10.753.20.125	BT30 x UT20 - 125	173.4	125	102	35	36	M12 x 1.75P	1 ~ 13	1.03
10.753.20.150	BT30 x UT20 - 150	198.4	150	127	35	36	M12 x 1.75P	1 ~ 13	1.21
10.753.25.070	BT30 x UT25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
10.753.25.100	BT30 x UT25 - 100	148.4	100	76	42	42	M16 x 2.0P	1 ~ 16	1.00
10.753.25.150	BT30 x UT25 - 150	198.4	150	126	42	42	M16 x 2.0P	1 ~ 16	1.49
10.753.32.070	BT30 x UT32 - 70	118.4	70	48	48	48	M16 x 2.0P	2 ~ 20	0.71
10.753.32.100	BT30 x UT32 - 100	148.4	100	78	48	48	M16 x 2.0P	2 ~ 20	1.08
10.753.32.125	BT30 x UT32 - 125	173.4	125	103	48	48	M16 x 2.0P	2 ~ 20	1.38
10.753.32.150	BT30 x UT32 - 150	198.4	150	128	48	48	M16 x 2.0P	2 ~ 20	1.74

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

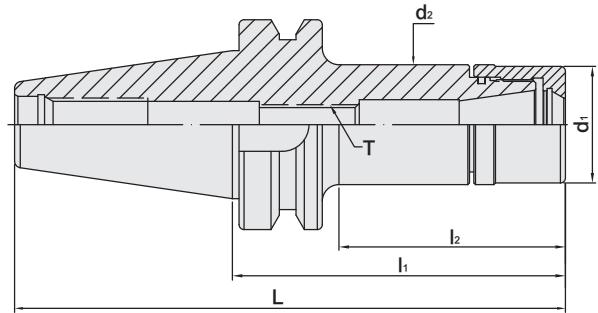
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73



BT / UT COLLET CHUCK



BT / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
11.753.16.070	BT40 x UT16 - 70	135.4	70	40	30	30	M10 x 1.5P	1 ~ 10	1.13
11.753.16.100	BT40 x UT16 - 100	165.4	100	63	30	30	M10 x 1.5P	1 ~ 10	1.27
11.753.16.125	BT40 x UT16 - 125	190.4	125	88	30	30	M10 x 1.5P	1 ~ 10	1.38
11.753.16.150	BT40 x UT16 - 150	215.4	150	113	30	30	M10 x 1.5P	1 ~ 10	1.49
11.753.20.070	BT40 x UT20 - 70	135.4	70	38	35	36	M12 x 1.75P	1 ~ 13	1.17
11.753.20.100	BT40 x UT20 - 100	165.4	100	68	35	36	M12 x 1.75P	1 ~ 13	1.38
11.753.20.125	BT40 x UT20 - 125	190.4	125	93	35	36	M12 x 1.75P	1 ~ 13	1.54
11.753.20.150	BT40 x UT20 - 150	215.4	150	118	35	36	M12 x 1.75P	1 ~ 13	1.71
11.753.25.070	BT40 x UT25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.22
11.753.25.100	BT40 x UT25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.50
11.753.25.150	BT40 x UT25 - 150	215.4	150	120	42	42	M16 x 2.0P	1 ~ 16	1.97
11.753.32.070	BT40 x UT32 - 70	135.4	70	40	48	48	M16 x 2.0P	2 ~ 20	1.23
11.753.32.100	BT40 x UT32 - 100	165.4	100	70	48	48	M16 x 2.0P	2 ~ 20	1.61
11.753.32.125	BT40 x UT32 - 125	190.4	125	95	48	48	M16 x 2.0P	2 ~ 20	1.93
11.753.32.150	BT40 x UT32 - 150	215.4	150	120	48	48	M16 x 2.0P	2 ~ 20	2.25

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73

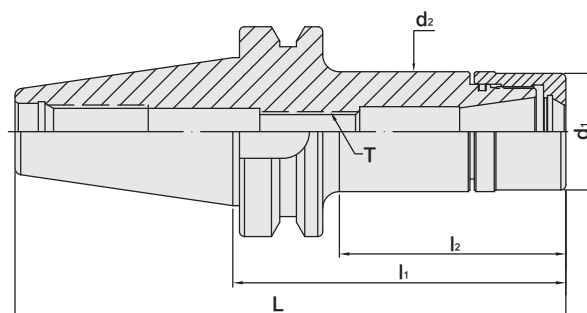
BT / UT COLLET CHUCK



BT / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
12.753.16.070	BT50 x UT16 - 70	171.8	70	29	30	30	M10 x 1.5P	1 ~ 10	3.64
12.753.16.100	BT50 x UT16 - 100	201.8	100	52	30	30	M10 x 1.5P	1 ~ 10	3.74
12.753.16.125	BT50 x UT16 - 125	226.8	125	77	30	30	M10 x 1.5P	1 ~ 10	3.92
12.753.16.150	BT50 x UT16 - 150	251.8	150	102	30	30	M10 x 1.5P	1 ~ 10	4.00
12.753.20.070	BT50 x UT20 - 70	171.8	70	31.6	35	36	M12 x 1.75P	1 ~ 13	3.68
12.753.20.100	BT50 x UT20 - 100	201.8	100	52	35	36	M12 x 1.75P	1 ~ 13	3.86
12.753.20.125	BT50 x UT20 - 125	226.8	125	77	35	36	M12 x 1.75P	1 ~ 13	3.99
12.753.20.150	BT50 x UT20 - 150	251.8	150	102	35	36	M12 x 1.75P	1 ~ 13	4.24
12.753.25.070	BT50 x UT25 - 70	171.8	70	29.8	42	42	M16 x 2.0P	1 ~ 16	3.70
12.753.25.100	BT50 x UT25 - 100	201.8	100	52	42	42	M16 x 2.0P	1 ~ 16	4.01
12.753.25.150	BT50 x UT25 - 150	251.8	150	102	42	42	M16 x 2.0P	1 ~ 16	4.36
12.753.32.080	BT50 x UT32 - 80	181.8	80	41	48	48	M16 x 2.0P	2 ~ 20	3.80
12.753.32.100	BT50 x UT32 - 100	201.8	100	57	48	48	M16 x 2.0P	2 ~ 20	4.03
12.753.32.125	BT50 x UT32 - 125	226.8	125	82	48	48	M16 x 2.0P	2 ~ 20	4.31
12.753.32.150	BT50 x UT32 - 150	251.8	150	102	48	48	M16 x 2.0P	2 ~ 20	4.62

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73



BT / ER COLLET CHUCK

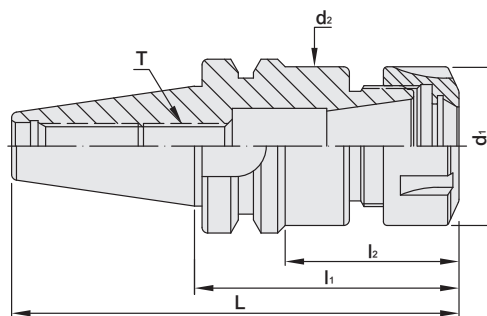


BT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16101 - 50	BT30 x ER16A - 50	98.4	50	27	28	25.1	M10 x 1.5P	1 ~ 10	0.45
16101	BT30 x ER16A - 70	118.4	70	40	28	28	M10 x 1.5P	1 ~ 10	0.55
16102	BT30 x ER16A - 60	108.4	60	35	28	28	M10 x 1.5P	1 ~ 10	0.60
16104	BT30 x ER16A - 100	148.4	100	70	28	28	M10 x 1.5P	1 ~ 10	0.70
16105	BT30 x ER16A - 120	168.4	120	93	28	28	M10 x 1.5P	1 ~ 10	0.78
16106 - 50	BT30 x ER20A - 50	98.4	50	28	34	-	M12 x 1.75P	1 ~ 13	0.48
16106	BT30 x ER20A - 70	118.4	70	45	34	34	M12 x 1.75P	1 ~ 13	0.62
16107	BT30 x ER20A - 135	183.4	135	110	34	34	M12 x 1.75P	1 ~ 13	1.10
16109	BT30 x ER25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
16111	BT30 x ER25 - 135	183.4	135	111	42	42	M16 x 2.0P	1 ~ 16	1.45
16113	BT30 x ER32 - 70	118.4	70	48	50	45	M16 x 2.0P	2 ~ 20	0.70
16114	BT30 x ER32 - 100	148.4	100	78	50	45	M16 x 2.0P	2 ~ 20	1.00
16115	BT30 x ER40 - 80	128.4	80	58	63	53	M16 x 2.0P	3 ~ 26	1.10
16151	BT40 x ER16A - 70	135.4	70	40	28	28	M10 x 1.5P	1 ~ 10	1.20
16153	BT40 x ER16A - 100	165.4	100	63	28	28	M10 x 1.5P	1 ~ 10	1.30
16155	BT40 x ER16A - 125	190.4	125	88	28	28	M10 x 1.5P	1 ~ 10	1.36
16157	BT40 x ER16A - 150	215.4	150	113	28	28	M10 x 1.5P	1 ~ 10	1.54
16158	BT40 x ER16A - 180	245.4	180	143	28	28	M10 x 1.5P	1 ~ 10	2.00
16159	BT40 x ER20A - 70	135.4	70	40	34	34	M12 x 1.75P	1 ~ 13	1.20
16162	BT40 x ER20A - 100	165.4	100	63	34	34	M12 x 1.75P	1 ~ 13	1.80
16165	BT40 x ER20A - 135	200.4	135	98	34	34	M12 x 1.75P	1 ~ 13	1.70
16167	BT40 x ER20A - 150	215.4	150	113	34	34	M12 x 1.75P	1 ~ 13	1.80
16169	BT40 x ER25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.30
16171	BT40 x ER25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.50
16173	BT40 x ER25 - 125	190.4	125	95	42	42	M16 x 2.0P	1 ~ 16	1.80
16175	BT40 x ER25 - 150	215.4	150	115	42	42	M16 x 2.0P	1 ~ 16	2.10
16177	BT40 x ER32 - 70	135.4	70	40	50	50	M16 x 2.0P	2 ~ 20	1.30
16179	BT40 x ER32 - 100	165.4	100	70	50	50	M16 x 2.0P	2 ~ 20	1.70
16181	BT40 x ER32 - 150	215.4	150	118	50	50	M16 x 2.0P	2 ~ 20	2.50
16183	BT40 x ER40 - 80	145.4	80	53	63	60	-	3 ~ 26	1.50
16185	BT40 x ER40 - 100	165.4	100	73	63	60	M20 x 2.0P	3 ~ 26	2.00
16187	BT40 x ER40 - 120	185.4	120	93	63	60	M20 x 2.0P	3 ~ 26	2.50
16189	BT40 x ER40 - 150	215.4	150	123	63	60	M20 x 2.0P	3 ~ 26	3.10
16191	BT40 x ER50 - 85	150.4	85	58	78	60	M24 x 2.0P	6 ~ 34	1.70
16193	BT40 x ER50 - 100	165.4	100	73	78	60	M24 x 2.0P	6 ~ 34	2.10

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71

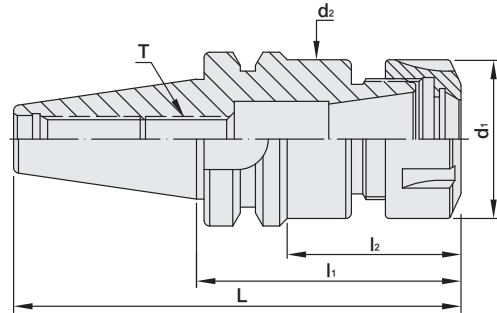


BT / ER COLLET CHUCK



BT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16251	BT50 x ER16A - 70	171.8	70	29	28	28	M10 x 1.5P	1 ~ 10	4.05
16252	BT50 x ER16A - 90	191.8	90	47	28	28	M10 x 1.5P	1 ~ 10	4.20
16253	BT50 x ER16A - 105	206.8	105	57	28	28	M10 x 1.5P	1 ~ 10	4.30
16254	BT50 x ER16A - 135	236.8	135	87	28	28	M10 x 1.5P	1 ~ 10	4.40
16255	BT50 x ER16A - 150	251.8	150	102	28	28	M10 x 1.5P	1 ~ 10	4.50
16259	BT50 x ER16A - 165	266.8	165	117	28	28	M10 x 1.5P	1 ~ 10	4.50
16259 - 200	BT50 x ER16A - 200	301.8	200	152	28	28	M10 x 1.5P	1 ~ 10	4.60
16259 - 250	BT50 x ER16A - 250	351.8	250	202	28	28	M10 x 1.5P	1 ~ 10	4.70
16259 - 300	BT50 x ER16A - 300	401.8	300	252	28	28	M10 x 1.5P	1 ~ 10	4.80
16261	BT50 x ER20A - 70	171.8	70	29	34	34	M12 x 1.75P	1 ~ 13	4.20
16263	BT50 x ER20A - 90	191.8	90	47	34	34	M12 x 1.75P	1 ~ 13	4.25
16265	BT50 x ER20A - 105	206.8	105	57	34	34	M12 x 1.75P	1 ~ 13	4.30
16267	BT50 x ER20A - 135	236.8	135	87	34	34	M12 x 1.75P	1 ~ 13	4.55
16269	BT50 x ER20A - 150	251.8	150	102	34	34	M12 x 1.75P	1 ~ 13	4.70
16271	BT50 x ER20A - 165	266.8	165	117	34	34	M12 x 1.75P	1 ~ 13	4.80
16272	BT50 x ER20A - 200	301.8	200	152	34	34	M12 x 1.75P	1 ~ 13	4.90
16272 - 250	BT50 x ER20A - 250	351.8	250	202	34	34	M12 x 1.75P	1 ~ 13	5.10
16272 - 300	BT50 x ER20A - 300	401.8	300	252	34	34	M12 x 1.75P	1 ~ 13	5.30
16273	BT50 x ER25 - 70	171.8	70	29	42	42	M16 x 2.0P	1 ~ 16	4.20
16275	BT50 x ER25 - 105	206.8	105	57	42	42	M16 x 2.0P	1 ~ 16	4.40
16277	BT50 x ER25 - 135	236.8	135	87	42	42	M16 x 2.0P	1 ~ 16	4.70
16279	BT50 x ER25 - 165	266.8	165	117	42	42	M16 x 2.0P	1 ~ 16	5.00
16279 - 250	BT50 x ER25 - 250	351.8	250	202	42	42	M16 x 2.0P	1 ~ 16	5.30
16279 - 300	BT50 x ER25 - 300	401.8	300	252	42	42	M16 x 2.0P	1 ~ 16	5.70
16279 - 350	BT50 x ER25 - 350	451.8	350	302	42	42	M16 x 2.0P	1 ~ 16	6.10

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71

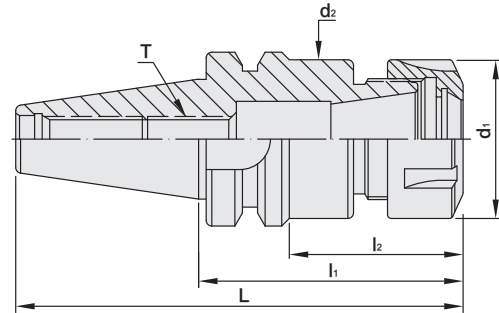


BT / ER COLLET CHUCK



BT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16281	BT50 x ER32 - 80	181.8	80	39	50	50	M16 x 2.0P	2 ~ 20	4.70
16282	BT50 x ER32 - 100	201.8	100	57	50	50	M16 x 2.0P	2 ~ 20	4.80
16283	BT50 x ER32 - 120	221.8	120	72	50	50	M16 x 2.0P	2 ~ 20	4.70
16284	BT50 x ER32 - 150	251.8	150	102	50	50	M16 x 2.0P	2 ~ 20	5.30
16284 - 200	BT50 x ER32 - 200	301.8	200	152	50	50	M16 x 2.0P	2 ~ 20	5.50
16284 - 250	BT50 x ER32 - 250	351.8	250	202	50	50	M16 x 2.0P	2 ~ 20	5.96
16284 - 300	BT50 x ER32 - 300	401.8	300	252	50	50	M16 x 2.0P	2 ~ 20	6.70
16284 - 350	BT50 x ER32 - 350	451.8	350	302	50	50	M16 x 2.0P	2 ~ 20	7.40
16284 - 400	BT50 x ER32 - 400	501.8	400	352	50	50	M16 x 2.0P	2 ~ 20	8.00
16284 - 450	BT50 x ER32 - 450	551.8	450	402	50	50	M16 x 2.0P	2 ~ 20	8.50
16285	BT50 x ER40 - 80	181.8	80	39	63	63	M20 x 2.0P	3 ~ 26	4.30
16286	BT50 x ER40 - 100	201.8	100	57	63	63	M20 x 2.0P	3 ~ 26	4.64
16287	BT50 x ER40 - 120	221.8	120	72	63	63	M20 x 2.0P	3 ~ 26	5.10
16289	BT50 x ER40 - 135	236.8	135	87	63	63	M20 x 2.0P	3 ~ 26	5.50
16289 - 250	BT50 x ER40 - 250	351.8	250	202	63	63	M20 x 2.0P	3 ~ 26	7.90
16289 - 300	BT50 x ER40 - 300	401.8	300	252	63	63	M20 x 2.0P	3 ~ 26	9.00
16289 - 350	BT50 x ER40 - 350	451.8	350	302	63	63	M20 x 2.0P	3 ~ 26	10.1
16289 - 400	BT50 x ER40 - 400	501.8	400	352	63	63	M20 x 2.0P	3 ~ 26	11.1
16291	BT50 x ER50 - 90	191.8	90	49	78	78	M24 x 2.0P	6 ~ 34	4.60
16293	BT50 x ER50 - 120	221.8	120	79	78	78	M24 x 2.0P	6 ~ 34	5.50
16295	BT50 x ER50 - 165	266.8	165	124	78	78	M24 x 2.0P	6 ~ 34	6.10
16295 - 200	BT50 x ER50 - 200	301.8	200	157	78	78	M24 x 2.0P	6 ~ 34	8.60
16295 - 250	BT50 x ER50 - 250	351.8	250	207	78	78	M24 x 2.0P	6 ~ 34	10.3
16295 - 300	BT50 x ER50 - 300	401.8	300	257	78	78	M24 x 2.0P	6 ~ 34	12.0
16295 - 350	BT50 x ER50 - 350	451.8	350	307	78	78	M24 x 2.0P	6 ~ 34	13.7
16295 - 400	BT50 x ER50 - 400	501.8	400	357	78	78	M24 x 2.0P	6 ~ 34	15.4

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71



BT / ER COLLET CHUCK

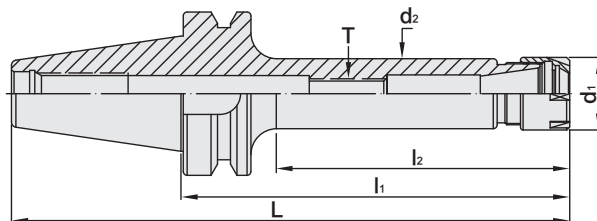
M TYPE

BT



M 型 BT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16302	BT30 x ER11M - 70	118.4	70	40	16	15	M6 x 1.0P	1 ~ 7	0.50
16304	BT30 x ER11M - 100	148.4	100	70	16	15	M6 x 1.0P	1 ~ 7	0.60
16306	BT30 x ER11M - 120	168.4	120	88	16	15	M6 x 1.0P	1 ~ 7	0.70
16308	BT30 x ER16M - 70	118.4	70	43	22	21	M10 x 1.5P	1 ~ 10	0.55
16310	BT30 x ER16M - 100	148.4	100	68	22	21	M10 x 1.5P	1 ~ 10	0.56
16312	BT30 x ER16M - 120	168.4	120	88	22	21	M10 x 1.5P	1 ~ 10	0.75
16313	BT30 x ER20M - 70	118.4	70	45	28	27	M12 x 1.75P	1 ~ 13	0.65
16314	BT30 x ER20M - 100	148.4	100	71	28	27	M12 x 1.75P	1 ~ 13	0.70
16316	BT30 x ER20M - 120	168.4	120	91	28	27	M12 x 1.75P	1 ~ 13	0.80
16318	BT30 x ER20M - 150	198.4	150	121	28	27	M12 x 1.75P	1 ~ 13	1.00
16321	BT40 x ER11M - 70	135.4	70	33	16	15	M6 x 1.0P	1 ~ 7	1.10
16322	BT40 x ER11M - 100	165.4	100	63	16	15	M6 x 1.0P	1 ~ 7	1.10
16323	BT40 x ER11M - 125	190.4	125	88	16	15	M6 x 1.0P	1 ~ 7	1.12
16324	BT40 x ER11M - 150	215.4	150	113	16	15	M6 x 1.0P	1 ~ 7	1.20
16325	BT40 x ER16M - 70	135.4	70	38	22	21	M10 x 1.5P	1 ~ 10	1.10
16326	BT40 x ER16M - 100	165.4	100	63	22	21	M10 x 1.5P	1 ~ 10	1.16
16327	BT40 x ER16M - 125	190.4	125	88	22	21	M10 x 1.5P	1 ~ 10	1.20
16328	BT40 x ER16M - 150	215.4	150	113	22	21	M10 x 1.5P	1 ~ 10	1.30
16329	BT40 x ER20M - 70	135.4	70	38	28	27	M12 x 1.75P	1 ~ 13	1.20
16330	BT40 x ER20M - 100	165.4	100	63	28	27	M12 x 1.75P	1 ~ 13	1.25
16331	BT40 x ER20M - 125	190.4	125	88	28	27	M12 x 1.75P	1 ~ 13	1.30
16332	BT40 x ER20M - 150	215.4	150	113	28	27	M12 x 1.75P	1 ~ 13	1.45

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71



BT / ER COLLET CHUCK

M TYPE

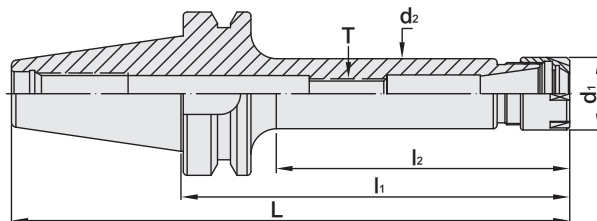


M 型 BT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
16334	BT50 x ER11M - 70	171.8	70	22	16	15	M6 x 1.0P	1 ~ 7	3.80
16335	BT50 x ER11M - 90	191.8	90	42	16	15	M6 x 1.0P	1 ~ 7	3.90
16336	BT50 x ER11M - 105	206.8	105	57	16	15	M6 x 1.0P	1 ~ 7	4.00
16337	BT50 x ER11M - 135	236.8	135	87	16	15	M6 x 1.0P	1 ~ 7	4.10
16338	BT50 x ER11M - 165	266.8	165	92	16	15	M6 x 1.0P	1 ~ 7	4.20
16339	BT50 x ER16M - 70	171.8	70	29	22	21	M10 x 1.5P	1 ~ 10	3.90
16340	BT50 x ER16M - 90	191.8	90	42	22	21	M10 x 1.5P	1 ~ 10	4.00
16341	BT50 x ER16M - 105	206.8	105	57	22	21	M10 x 1.5P	1 ~ 10	4.10
16342	BT50 x ER16M - 135	236.8	135	87	22	21	M10 x 1.5P	1 ~ 10	4.20
16343	BT50 x ER16M - 165	266.8	165	117	22	21	M10 x 1.5P	1 ~ 10	4.30
16344	BT50 x ER20M - 90	191.8	90	42	28	27	M12 x 1.75P	1 ~ 13	4.10
16345	BT50 x ER20M - 105	206.8	105	57	28	27	M12 x 1.75P	1 ~ 13	4.20
16346	BT50 x ER20M - 135	236.8	135	87	28	27	M12 x 1.75P	1 ~ 13	4.40
16347	BT50 x ER20M - 165	266.8	165	117	28	27	M12 x 1.75P	1 ~ 13	4.60

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

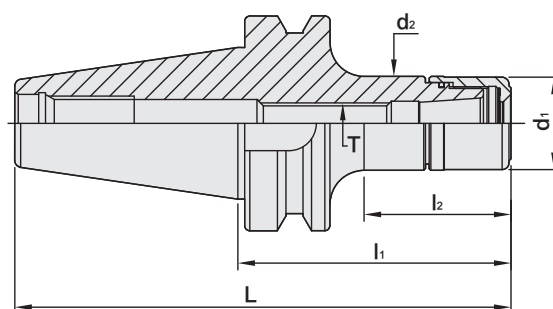
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71



BT / SK3 COLLET CHUCK

5 μ m

BT / SK3 高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
10.763.06.060	BT30 x SK306 - 60	108.4	60	33	19.5	19.5	M8 x 1.25P	3 ~ 6	0.90
10.763.06.080	BT30 x SK306 - 80	128.4	80	53	19.5	19.5	M8 x 1.25P	3 ~ 6	1.00
10.763.10.060	BT30 x SK310 - 60	108.4	60	35	27.5	27.5	M12 x 1.75P	3 ~ 10	0.90
10.763.10.080	BT30 x SK310 - 80	128.4	80	55	27.5	27.5	M12 x 1.75P	3 ~ 10	1.00
10.763.13.060	BT30 x SK313 - 60	108.4	60	35	33	33	M12 x 1.75P	3 ~ 13	1.10
10.763.13.080	BT30 x SK313 - 80	128.4	80	55	33	33	M12 x 1.75P	3 ~ 13	1.00
10.763.16.060	BT30 x SK316 - 60	108.4	60	37	40	40	M18 x 1.5P	3 ~ 16	1.20
10.763.16.080	BT30 x SK316 - 80	128.4	80	57	40	40	M18 x 1.5P	3 ~ 16	1.30
11.763.06.080	BT40 x SK306 - 80	145.4	80	43	19.5	19.5	M8 x 1.25P	3 ~ 6	1.10
11.763.06.100	BT40 x SK306 - 100	165.4	100	63	19.5	19.5	M8 x 1.25P	3 ~ 6	1.30
11.763.06.120	BT40 x SK306 - 120	185.4	120	83	19.5	19.5	M8 x 1.25P	3 ~ 6	1.40
11.763.10.080	BT40 x SK310 - 80	145.4	80	43	27.5	27.5	M12 x 1.75P	3 ~ 10	1.10
11.763.10.100	BT40 x SK310 - 100	165.4	100	63	27.5	27.5	M12 x 1.75P	3 ~ 10	1.30
11.763.10.120	BT40 x SK310 - 120	185.4	120	83	27.5	27.5	M12 x 1.75P	3 ~ 10	1.40
11.763.13.080	BT40 x SK313 - 80	145.4	80	50	33	33	M12 x 1.75P	3 ~ 13	1.10
11.763.13.100	BT40 x SK313 - 100	165.4	100	70	33	33	M12 x 1.75P	3 ~ 13	1.30
11.763.13.120	BT40 x SK313 - 120	185.4	120	90	33	33	M12 x 1.75P	3 ~ 13	1.40
11.763.16.080	BT40 x SK316 - 80	145.4	80	48	40	40	M18 x 1.5P	3 ~ 16	1.20
11.763.16.100	BT40 x SK316 - 100	165.4	100	68	40	40	M18 x 1.5P	3 ~ 16	1.40
11.763.16.120	BT40 x SK316 - 120	185.4	120	88	40	40	M18 x 1.5P	3 ~ 16	1.50

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

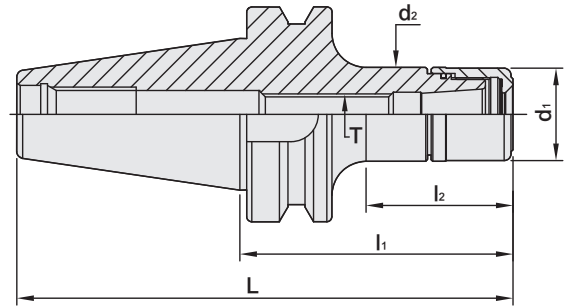
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



BT / SK3 COLLET CHUCK

5 μ m

BT / SK3 高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
12.763.06.080	BT50 x SK306 - 80	181.8	80	34	19.5	19.5	M8 x 1.25P	3 ~ 6	4.00
12.763.06.100	BT50 x SK306 - 100	201.8	100	54	19.5	19.5	M8 x 1.25P	3 ~ 6	4.10
12.763.06.120	BT50 x SK306 - 120	221.8	120	61	19.5	19.5	M8 x 1.25P	3 ~ 6	4.20
12.763.10.080	BT50 x SK310 - 80	181.8	80	39	27.5	27.5	M12 x 1.75P	3 ~ 10	4.10
12.763.10.100	BT50 x SK310 - 100	201.8	100	57	27.5	27.5	M12 x 1.75P	3 ~ 10	4.20
12.763.10.120	BT50 x SK310 - 120	221.8	120	79	27.5	27.5	M12 x 1.75P	3 ~ 10	4.30
12.763.13.080	BT50 x SK313 - 80	181.8	80	39	33	33	M12 x 1.75P	3 ~ 13	4.20
12.763.13.100	BT50 x SK313 - 100	201.8	100	52	33	33	M12 x 1.75P	3 ~ 13	4.30
12.763.13.120	BT50 x SK313 - 120	221.8	120	79	33	33	M12 x 1.75P	3 ~ 13	4.40
12.763.16.080	BT50 x SK316 - 80	181.8	80	40	40	40	M18 x 1.5P	3 ~ 16	4.30
12.763.16.100	BT50 x SK316 - 100	201.8	100	57	40	40	M18 x 1.5P	3 ~ 16	4.40
12.763.16.120	BT50 x SK316 - 120	221.8	120	72	40	40	M18 x 1.5P	3 ~ 16	4.50

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

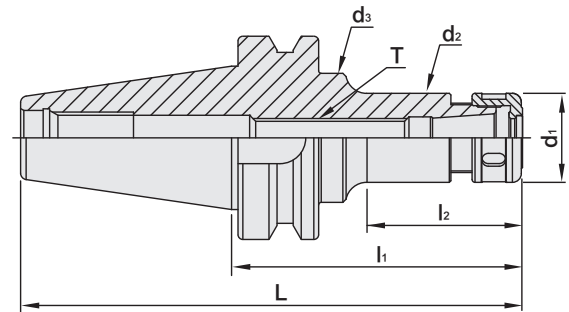
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



BT / SKS COLLET CHUCK

5 μ m

BT / SKS 高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
18330	BT30 x SKS6 - 45	93.4	45	22	18	18	-	M8 x 1.25P	3 ~ 6	0.80
18331	BT30 x SKS6 - 60	108.4	60	33	18	18	-	M8 x 1.25P	3 ~ 6	0.90
18332	BT30 x SKS10 - 45	93.4	45	22	30	27.6	-	M12 x 1.75P	3 ~ 10	0.80
18332 - 60	BT30 x SKS10 - 60	108.4	60	33	30	27.6	-	M12 x 1.75P	3 ~ 10	0.90
18332 - 90	BT30 x SKS10 - 90	138.4	90	63	30	27.6	-	M12 x 1.75P	3 ~ 10	1.00
18334	BT30 x SKS13 - 60	108.4	60	35	35	33	-	M12 x 1.75P	3 ~ 13	0.70
18334 - 90	BT30 x SKS13 - 90	138.4	90	65	35	33	-	M12 x 1.75P	3 ~ 13	1.10
18334 - 120	BT30 x SKS13 - 120	168.4	120	95	35	33	-	M12 x 1.75P	3 ~ 13	1.20
18335	BT30 x SKS16 - 60	108.4	60	37	40	40	-	M18 x 1.5P	3 ~ 16	0.70
18335 - 90	BT30 x SKS16 - 90	138.4	90	67	40	40	-	M18 x 1.5P	3 ~ 16	1.20
18336	BT30 x SKS20 - 60	108.4	60	33	48.5	48.5	-	M12 x 1.75P	3 ~ 20	0.70
18336 - 90	BT30 x SKS20 - 90	138.4	90	60	48.5	48.5	-	M12 x 1.75P	3 ~ 20	1.20
18338	BT40 x SKS6 - 90	155.4	90	44	18	18	32	M8 x 1.25P	3 ~ 6	1.20
18339	BT40 x SKS6 - 120	185.4	120	74	18	18	32	M8 x 1.25P	3 ~ 6	1.40
18340	BT40 x SKS10 - 90	155.4	90	45	30	27.6	40	M12 x 1.75P	3 ~ 10	1.50
18342	BT40 x SKS10 - 120	185.4	120	74	30	27	40	M12 x 1.75P	3 ~ 10	1.60
18342 - 130	BT40 x SKS10 - 130	195.4	130	84	30	27	40	M12 x 1.75P	3 ~ 10	1.70
18342 - 150	BT40 x SKS10 - 150	215.4	150	104	30	27	40	M12 x 1.75P	3 ~ 10	1.90
18342 - 200	BT40 x SKS10 - 200	265.4	200	162	30	27	40	M12 x 1.75P	3 ~ 10	2.20
18343	BT40 x SKS13 - 60	125.4	60	30	35	33	-	M12 x 1.75P	3 ~ 13	1.20
18343 - 90	BT40 x SKS13 - 90	155.4	90	60	35	33	-	M12 x 1.75P	3 ~ 13	1.40
18343 - 120	BT40 x SKS13 - 120	185.4	120	90	35	33	-	M12 x 1.75P	3 ~ 13	1.60
18343 - 150	BT40 x SKS13 - 150	215.4	150	120	35	33	-	M12 x 1.75P	3 ~ 13	1.70
18343 - 200	BT40 x SKS13 - 200	265.4	200	170	35	33	-	M12 x 1.75P	3 ~ 13	2.00
18344	BT40 x SKS16 - 90	155.4	90	58	40	40	-	M18 x 1.5P	3 ~ 16	1.60
18346	BT40 x SKS16 - 120	185.4	120	88	40	40	-	M18 x 1.5P	3 ~ 16	1.70
18346 - 150	BT40 x SKS16 - 150	215.4	150	118	40	40	-	M18 x 1.5P	3 ~ 16	1.90
18347	BT40 x SKS16 - 200	265.4	200	168	40	40	-	M18 x 1.5P	3 ~ 16	2.10
18348	BT40 x SKS20 - 60	125.4	60	32	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.30
18348 - 90	BT40 x SKS20 - 90	155.4	90	60	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.60
18348 - 120	BT40 x SKS20 - 120	185.4	120	88	48.5	48.5	-	M22 x 1.5P	3 ~ 20	2.00
18348 - 150	BT40 x SKS20 - 150	215.4	150	118	48.5	48.5	-	M22 x 1.5P	3 ~ 20	2.10
18348 - 200	BT40 x SKS20 - 200	265.4	200	168	48.5	48.5	-	M22 x 1.5P	3 ~ 20	2.20
18352	BT40 x SKS25 - 90	155.4	90	61	55	55	-	M28 x 2.0P	3 ~ 25.4	1.70
18354	BT40 x SKS25 - 120	185.4	120	91	55	55	-	M28 x 2.0P	3 ~ 25.4	1.80

Standard Accessory: • NUT

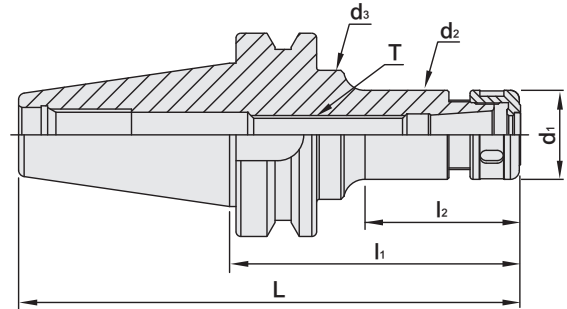
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-60~61	P.W-88	P.W-68~73



BT / SKS COLLET CHUCK

5 μ m

BT / SKS 高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
18360	BT50 x SKS6 - 90	191.8	90	42	18	18	-	M8 x 1.25P	3 ~ 6	4.0
18362	BT50 x SKS6 - 120	221.8	120	60	18	18	32	M8 x 1.25P	3 ~ 6	4.2
18370	BT50 x SKS10 - 105	206.8	105	57	30	27.6	-	M12 x 1.75P	3 ~ 10	4.5
18372	BT50 x SKS10 - 150	251.8	150	94	30	27	40	M12 x 1.75P	3 ~ 10	4.6
18374	BT50 x SKS10 - 165	266.8	165	108	30	27	40	M12 x 1.75P	3 ~ 10	4.3
18374 - 200	BT50 x SKS10 - 200	301.8	200	145	30	27	36	M12 x 1.75P	3 ~ 10	5.2
18374 - 250	BT50 x SKS10 - 250	351.8	250	193	30	27	40	M12 x 1.75P	3 ~ 10	5.6
18375	BT50 x SKS13 - 105	206.8	105	62	35	33	-	M12 x 1.75P	3 ~ 13	4.5
18375 - 135	BT50 x SKS13 - 135	236.8	135	92	35	33	-	M12 x 1.75P	3 ~ 13	4.7
18375 - 150	BT50 x SKS13 - 150	251.8	150	77	35	33	45	M12 x 1.75P	3 ~ 13	4.8
18375 - 165	BT50 x SKS13 - 165	266.8	165	92	35	33	45	M12 x 1.75P	3 ~ 13	4.9
18375 - 200	BT50 x SKS13 - 200	301.8	200	157	35	33	45	M12 x 1.75P	3 ~ 13	5.2
18375 - 250	BT50 x SKS13 - 250	351.8	250	207	35	33	45	M12 x 1.75P	3 ~ 13	5.7
18376	BT50 x SKS16 - 105	206.8	105	57	40	40	-	M18 x 1.5P	3 ~ 16	4.5
18378	BT50 x SKS16 - 150	251.8	150	93	40	40	52	M18 x 1.5P	3 ~ 16	4.7
18380	BT50 x SKS16 - 165	266.8	165	108	40	40	52	M18 x 1.5P	3 ~ 16	4.5
18380 - 200	BT50 x SKS16 - 200	301.8	200	157	40	40	52	M18 x 1.5P	3 ~ 16	5.5
18380 - 250	BT50 x SKS16 - 250	351.8	250	207	40	40	52	M18 x 1.5P	3 ~ 16	6.0
18382	BT50 x SKS20 - 105	206.8	105	62	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.3
18382 - 135	BT50 x SKS20 - 135	236.8	135	92	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.6
18382 - 150	BT50 x SKS20 - 150	251.8	150	107	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.7
18384	BT50 x SKS20 - 165	266.8	165	122	48.5	48.5	-	M22 x 1.5P	3 ~ 20	5.0
18384 - 200	BT50 x SKS20 - 200	301.8	200	157	48.5	48.5	-	M22 x 1.5P	3 ~ 20	5.4
18384 - 250	BT50 x SKS20 - 250	351.8	250	207	48.5	48.5	-	M22 x 1.5P	3 ~ 20	6.1
18386	BT50 x SKS25 - 105	206.8	105	62	55	55	-	M28 x 2.0P	3.0 ~ 25.4	4.5
18388	BT50 x SKS25 - 150	251.8	150	107	55	55	-	M28 x 2.0P	3.0 ~ 25.4	4.8
18390	BT50 x SKS25 - 200	301.8	200	157	55	55	-	M28 x 2.0P	3.0 ~ 25.4	6.0
18392	BT50 x SKS25 - 250	351.8	250	207	55	55	-	M28 x 2.0P	3.0 ~ 25.4	6.7

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

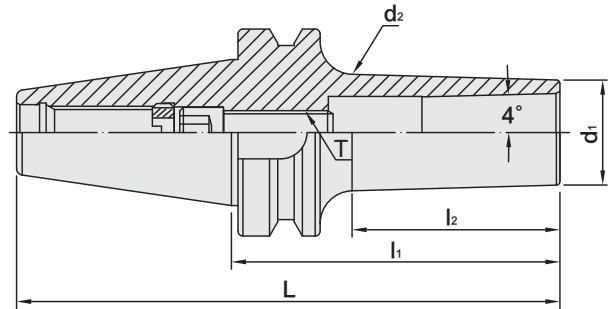
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
				
P.W-29~32	P.W-53~54	P.W-60~61	P.W-88	P.W-68~73



BT / SBL SLIM-FIT COLLET CHUCK

BT / SBL 後拉式立銑刀夾頭







T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
18855	BT30 x SBL6 - 70	118.4	70	38	14	18.1	M6 x 1.0P	12	9	3 ~ 6	1.00
18856	BT30 x SBL6 - 100	148.4	100	68	14	21.2	M6 x 1.0P	12	9	3 ~ 6	1.25
18858	BT30 x SBL12 - 70	118.4	70	47	26	33.4	M10 x 1.5P	45	33	3 ~ 12	1.20
18860	BT30 x SBL12 - 100	148.4	100	77	26	38.1	M10 x 1.5P	45	33	3 ~ 12	1.45
18860 - 130	BT30 x SBL12 - 130	178.4	130	106	26	35.2	M10 x 1.5P	45	33	3 ~ 12	1.65
18862	BT30 x SBL20 - 80	128.4	80	55	34	37.7	M12 x 1.75P	60	44	3 ~ 20	1.20
18864	BT30 x SBL20 - 100	148.4	100	77	34	39.2	M12 x 1.75P	60	44	3 ~ 20	1.45
18866	BT40 x SBL6 - 70	135.4	70	28	14	17.1	M6 x 1.0P	12	9	3 ~ 6	1.20
18868	BT40 x SBL6 - 100	165.4	100	58	14	20.1	M6 x 1.0P	12	9	3 ~ 6	1.60
18868 - 130	BT40 x SBL6 - 130	195.4	130	88	14	23.3	M6 x 1.0P	12	9	3 ~ 6	1.80
18869	BT40 x SBL6 - 200	265.4	200	161	14	30.9	M6 x 1.0P	12	9	3 ~ 6	2.00
18871 - 100	BT40 x SBL8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
18871 - 130	BT40 x SBL8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
18871 - 150	BT40 x SBL8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
18870	BT40 x SBL12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.50
18872	BT40 x SBL12 - 100	165.4	100	63	26	31.6	M10 x 1.5P	45	33	3 ~ 12	1.70
18872 - 130	BT40 x SBL12 - 130	195.4	130	93	26	34.2	M10 x 1.5P	45	33	3 ~ 12	1.90
18872 - 150	BT40 x SBL12 - 150	215.4	150	113	26	36	M10 x 1.5P	45	33	3 ~ 12	2.10
18872 - 170	BT40 x SBL12 - 170	235.4	170	133	26	37.7	M10 x 1.5P	45	33	3 ~ 12	2.30
18874	BT40 x SBL20 - 70	135.4	70	33	35	38.1	M12 x 1.75P	60	44	3 ~ 20	1.50
18876	BT40 x SBL20 - 100	165.4	100	68	35	41	M12 x 1.75P	60	44	3 ~ 20	1.70
18876 - 130	BT40 x SBL20 - 130	195.4	130	98	35	43.6	M12 x 1.75P	60	44	3 ~ 20	1.90
18876 - 150	BT40 x SBL20 - 150	215.4	150	118	35	45.3	M12 x 1.75P	60	44	3 ~ 20	2.10
18876 - 170	BT40 x SBL20 - 170	235.4	170	138	35	47.1	M12 x 1.75P	60	44	3 ~ 20	2.30
18877	BT40 x SBL25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
18877 - 100	BT40 x SBL25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90

Product information:

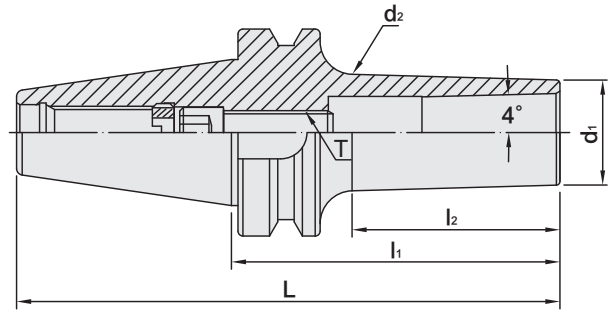
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Collet	Pull Stud	Screw	Spanner
			
P.W-33	P.W-60~61	P.W-91	P.W-72



BT / SBL SLIM-FIT COLLET CHUCK

BT / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
18878	BT50 x SBL6 - 70	171.8	70	17	14	15.9	M6 x 1.0P	12	9	3 ~ 6	4.00
18880	BT50 x SBL6 - 100	201.8	100	47	14	19.1	M6 x 1.0P	12	9	3 ~ 6	4.10
18880 - 150	BT50 x SBL6 - 150	251.8	150	97.7	14	24.2	M6 x 1.0P	12	9	3 ~ 6	4.30
18880 - 200	BT50 x SBL6 - 200	301.8	200	147.7	14	29.4	M6 x 1.0P	12	9	3 ~ 6	4.60
18881 - 100	BT50 x SBL8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
18881 - 130	BT50 x SBL8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
18881 - 150	BT50 x SBL8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
18882	BT50 x SBL12 - 70	171.8	70	22	26	28.1	M10 x 1.5P	45	33	3 ~ 12	4.20
18884	BT50 x SBL12 - 100	201.8	100	52	26	30.6	M10 x 1.5P	45	33	3 ~ 12	4.30
18884 - 125	BT50 x SBL12 - 125	226.8	125	77	26	32.9	M10 x 1.5P	45	33	3 ~ 12	4.50
18884 - 150	BT50 x SBL12 - 150	251.8	150	102	26	35	M10 x 1.5P	45	33	3 ~ 12	4.80
18884 - 170	BT50 x SBL12 - 170	271.8	170	122	26	36.7	M10 x 1.5P	45	33	3 ~ 12	5.00
18886	BT50 x SBL20 - 70	171.8	70	22	35	36.9	M12 x 1.75P	60	44	3 ~ 20	4.60
18888	BT50 x SBL20 - 100	201.8	100	52	35	39.6	M12 x 1.75P	60	44	3 ~ 20	4.70
18888 - 125	BT50 x SBL20 - 125	226.8	125	77	35	41.8	M12 x 1.75P	60	44	3 ~ 20	4.90
18888 - 170	BT50 x SBL20 - 170	271.8	170	122	35	45.6	M12 x 1.75P	60	44	3 ~ 20	5.30
18888 - 200	BT50 x SBL20 - 200	301.8	200	152	35	48.3	M12 x 1.75P	60	44	3 ~ 20	5.60
18890	BT50 x SBL25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
18890 - 100	BT50 x SBL25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Product information:

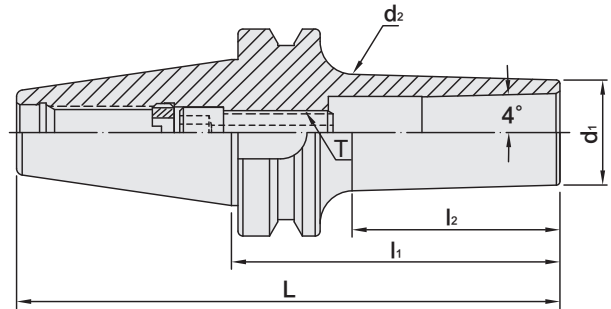
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Collet	Pull Stud	Screw	Spanner
P.W-33	P.W-60~61	P.W-91	P.W-72



BT / SBLC SLIM-FIT COLLET CHUCK

BT / SBLC 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
18855C	BT30 x SBLC6 - 70	118.4	70	38	14	18.1	M6 x 1.0P	12	9	3 ~ 6	1.00
18856C	BT30 x SBLC6 - 100	148.4	100	68	14	21.2	M6 x 1.0P	12	9	3 ~ 6	1.25
18858C	BT30 x SBLC12 - 70	118.4	70	47	26	33.4	M10 x 1.5P	45	33	3 ~ 12	1.20
18860C	BT30 x SBLC12 - 100	148.4	100	77	26	38.1	M10 x 1.5P	45	33	3 ~ 12	1.45
18860C - 130	BT30 x SBLC12 - 130	178.4	130	106	26	35.2	M10 x 1.5P	45	33	3 ~ 12	1.65
18862C	BT30 x SBLC20 - 80	128.4	80	55	34	37.7	M12 x 1.75P	60	44	3 ~ 20	1.20
18864C	BT30 x SBLC20 - 100	148.4	100	77	34	39.2	M12 x 1.75P	60	44	3 ~ 20	1.45
18866C	BT40 x SBLC6 - 70	135.4	70	28	14	17.1	M6 x 1.0P	12	9	3 ~ 6	1.20
18868C	BT40 x SBLC6 - 100	165.4	100	58	14	20.1	M6 x 1.0P	12	9	3 ~ 6	1.60
18868C - 130	BT40 x SBLC6 - 130	195.4	130	88	14	23.3	M6 x 1.0P	12	9	3 ~ 6	1.80
18869C	BT40 x SBLC6 - 200	265.4	200	161	14	30.9	M6 x 1.0P	12	9	3 ~ 6	2.00
18871C - 100	BT40 x SBLC8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
18871C - 130	BT40 x SBLC8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
18871C - 150	BT40 x SBLC8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
18870C	BT40 x SBLC12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.50
18872C	BT40 x SBLC12 - 100	165.4	100	63	26	31.6	M10 x 1.5P	45	33	3 ~ 12	1.70
18872C - 130	BT40 x SBLC12 - 130	195.4	130	93	26	34.2	M10 x 1.5P	45	33	3 ~ 12	1.90
18872C - 150	BT40 x SBLC12 - 150	215.4	150	113	26	36	M10 x 1.5P	45	33	3 ~ 12	2.10
18872C - 170	BT40 x SBLC12 - 170	235.4	170	133	26	37.7	M10 x 1.5P	45	33	3 ~ 12	2.30
18874C	BT40 x SBLC20 - 70	135.4	70	33	35	38.1	M12 x 1.75P	60	44	3 ~ 20	1.50
18876C	BT40 x SBLC20 - 100	165.4	100	68	35	41	M12 x 1.75P	60	44	3 ~ 20	1.70
18876C - 130	BT40 x SBLC20 - 130	195.4	130	98	35	43.6	M12 x 1.75P	60	44	3 ~ 20	1.90
18876C - 150	BT40 x SBLC20 - 150	215.4	150	118	35	45.3	M12 x 1.75P	60	44	3 ~ 20	2.10
18876C - 170	BT40 x SBLC20 - 170	235.4	170	138	35	47.1	M12 x 1.75P	60	44	3 ~ 20	2.30
18877C	BT40 x SBLC25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
18877C - 100	BT40 x SBLC25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.
- ▶ Used with SLC sealed collet and coolant through cutters.

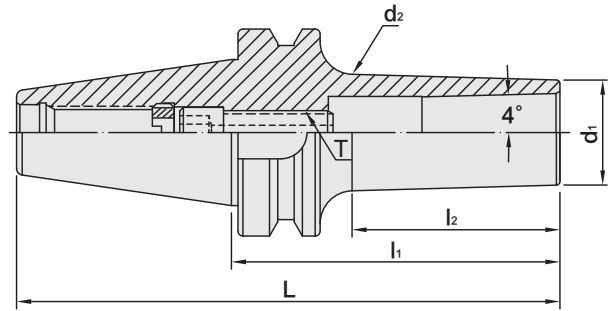
Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-60~61	P.W-91	P.W-72



BT / SBLC SLIM-FIT COLLET CHUCK

BT / SBLC 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
18878C	BT50 x SBLC6 - 70	171.8	70	17	14	15.9	M6 x 1.0P	12	9	3 ~ 6	4.00
18880C	BT50 x SBLC6 - 100	201.8	100	47	14	19.1	M6 x 1.0P	12	9	3 ~ 6	4.10
18880C - 150	BT50 x SBLC6 - 150	251.8	150	97.7	14	24.2	M6 x 1.0P	12	9	3 ~ 6	4.30
18880C - 200	BT50 x SBLC6 - 200	301.8	200	147.7	14	29.4	M6 x 1.0P	12	9	3 ~ 6	4.60
18881C - 100	BT50 x SBLC8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
18881C - 130	BT50 x SBLC8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
18881C - 150	BT50 x SBLC8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
18882C	BT50 x SBLC12 - 70	171.8	70	22	26	28.1	M10 x 1.5P	45	33	3 ~ 12	4.20
18884C	BT50 x SBLC12 - 100	201.8	100	52	26	30.6	M10 x 1.5P	45	33	3 ~ 12	4.30
18884C - 125	BT50 x SBLC12 - 125	226.8	125	77	26	32.9	M10 x 1.5P	45	33	3 ~ 12	4.50
18884C - 150	BT50 x SBLC12 - 150	251.8	150	102	26	35	M10 x 1.5P	45	33	3 ~ 12	4.80
18884C - 170	BT50 x SBLC12 - 170	271.8	170	122	26	36.7	M10 x 1.5P	45	33	3 ~ 12	5.00
18886C	BT50 x SBLC20 - 70	171.8	70	22	35	36.9	M12 x 1.75P	60	44	3 ~ 20	4.60
18888C	BT50 x SBLC20 - 100	201.8	100	52	35	39.6	M12 x 1.75P	60	44	3 ~ 20	4.70
18888C - 125	BT50 x SBLC20 - 125	226.8	125	77	35	41.8	M12 x 1.75P	60	44	3 ~ 20	4.90
18888C - 170	BT50 x SBLC20 - 170	271.8	170	122	35	45.6	M12 x 1.75P	60	44	3 ~ 20	5.30
18888C - 200	BT50 x SBLC20 - 200	301.8	200	152	35	48.3	M12 x 1.75P	60	44	3 ~ 20	5.60
18890C	BT50 x SBLC25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
18890C - 100	BT50 x SBLC25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

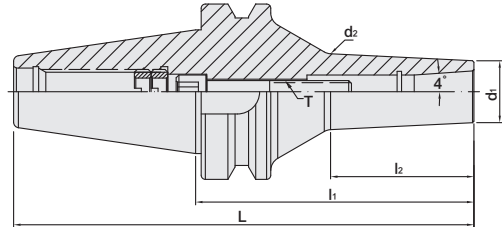
Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-60~61	P.W-91	P.W-72



BT / EBL SLIM-FIT COLLET CHUCK

BT / EBL 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
16912	BT30 x EBL6 - 70	118.4	70	40.6	19.05	23	M6 x 1.0P	12	9	3 ~ 6	0.50
16912 - 100	BT30 x EBL6 - 100	148.4	100	72.2	19.05	26	M6 x 1.0P	12	9	3 ~ 6	0.61
16922	BT40 x EBL6 - 70	135.4	70	29.9	19.05	21.9	M6 x 1.0P	12	9	3 ~ 6	1.20
16922 - 100	BT40 x EBL6 - 100	165.4	100	61.4	19.05	25	M6 x 1.0P	12	9	3 ~ 6	1.22
16922 - 125	BT40 x EBL6 - 125	190.4	125	87.7	19.05	27.6	M6 x 1.0P	12	9	3 ~ 6	1.40
16922 - 200	BT40 x EBL6 - 200	265.4	200	163.7	19.05	35	M6 x 1.0P	12	9	3 ~ 6	1.77
16924 - 70	BT40 x EBL8 - 70	135.4	70	28.2	22.225	24.9	M8 x 1.25P	29	21	3 ~ 8	1.14
16924	BT40 x EBL8 - 100	165.4	100	59.8	22.225	28	M8 x 1.25P	29	21	3 ~ 8	1.26
16924 - 125	BT40 x EBL8 - 125	190.4	125	85.09	22.225	30.6	M8 x 1.25P	29	21	3 ~ 8	1.40
16924 - 200	BT40 x EBL8 - 200	265.4	200	160.7	22.225	37.9	M8 x 1.25P	29	21	3 ~ 8	1.91
16932	BT50 x EBL6 - 70	171.8	70	18.3	19.05	20.8	M6 x 1.0P	12	9	3 ~ 6	3.68
16932 - 100	BT50 x EBL6 - 100	201.8	100	49.9	19.05	23.9	M6 x 1.0P	12	9	3 ~ 6	3.77
16932 - 125	BT50 x EBL6 - 125	226.8	125	69.8	19.05	25.9	M6 x 1.0P	12	9	3 ~ 6	3.95
16932 - 200	BT50 x EBL6 - 200	301.8	200	151.7	19.05	33.8	M6 x 1.0P	12	9	3 ~ 6	4.22
16934	BT50 x EBL8 - 70	171.8	70	16.6	22.225	23.8	M8 x 1.25P	29	21	3 ~ 8	3.71
16934 - 100	BT50 x EBL8 - 100	201.8	100	48.2	22.225	26.9	M8 x 1.25P	29	21	3 ~ 8	3.83
16934 - 125	BT50 x EBL8 - 125	226.8	125	66.8	22.225	28.7	M8 x 1.25P	29	21	3 ~ 8	3.95
16934 - 200	BT50 x EBL8 - 200	301.8	200	148.7	22.225	36.7	M8 x 1.25P	29	21	3 ~ 8	4.34



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
P.W-35	P.W-36	P.W-60~61	P.W-72



BT / MLD MULTI-LOCK MILLING CHUCK

BT / MLD 直式筒夾 銑床夾頭



台灣精品 2014
TAIWAN EXCELLENCE



Fig.1

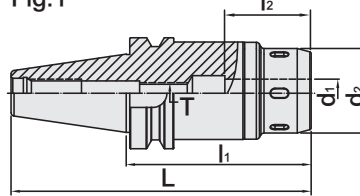
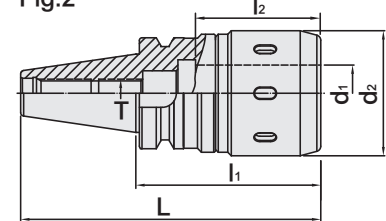


Fig.2



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6

METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
15900G	BT30 x MLD12 - 80	128.4	80	46.7	12	42	M12 x 1.75P	2	1.00
15901G	BT30 x MLD16 - 75	123.4	75	56.7	16	48	M12 x 1.75P	1	1.20
15902G	BT30 x MLD20 - 80	128.4	80	59.3	20	56.5	M12 x 1.75P	2	1.90
15904G	BT30 x MLD20 - 90	138.4	90	59.3	20	56.5	M16 x 2.0P	2	2.00
15908G	BT30 x MLD25 - 90	138.4	90	58.2	25	60	M16 x 2.0P	2	1.80
15910G	BT40 x MLD12 - 75	140.4	75	46.7	12	42	M12 x 1.75P	1	1.50
15910G - 105	BT40 x MLD12 - 105	170.4	105	46.7	12	42	M12 x 1.75P	1	2.00
15910G - 135	BT40 x MLD12 - 135	200.4	135	46.7	12	42	M12 x 1.75P	1	2.10
15911G	BT40 x MLD16 - 75	140.4	75	56.7	16	48	M12 x 1.75P	1	1.70
15911G - 105	BT40 x MLD16 - 105	170.4	105	56.7	16	48	M12 x 1.75P	1	2.30
15911G - 135	BT40 x MLD16 - 135	200.4	135	56.7	16	48	M12 x 1.75P	1	2.40
15912G	BT40 x MLD20 - 80	145.4	80	59.3	20	56.5	M16 x 2.0P	1	2.30
15914G	BT40 x MLD20 - 100	165.4	100	59.3	20	56.5	M16 x 2.0P	1	2.50
15916G	BT40 x MLD20 - 135	200.4	135	59.3	20	56.5	M16 x 2.0P	1	2.80
15918G	BT40 x MLD25 - 85	150.4	85	58.2	25	60	M16 x 2.0P	1	2.20
15920G	BT40 x MLD25 - 100	165.4	100	58.2	25	60	M16 x 2.0P	1	2.40
15922G	BT40 x MLD32 - 95	160.4	95	71.7	32	71	M16 x 2.0P	2	2.70
15924G	BT40 x MLD32 - 105	170.4	105	71.7	32	71	M16 x 2.0P	2	2.70
15926G	BT40 x MLD32 - 135	200.4	135	71.7	32	71	M16 x 2.0P	2	3.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



BT / MLD MULTI-LOCK MILLING CHUCK

BT / MLD 直式筒夾 銑床夾頭



Fig.1

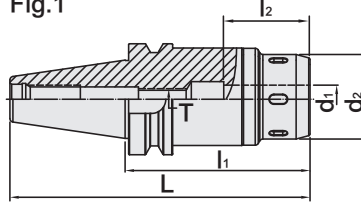
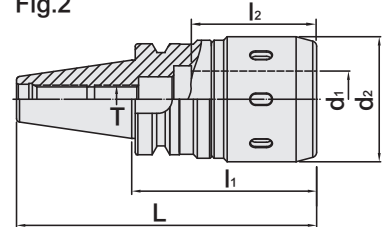


Fig.2



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6

METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
15925G	BT50 x MLD12 - 105	206.8	105	46.7	12	42	M12 x 1.75P	1	4.60
15925G - 135	BT50 x MLD12 - 135	236.8	135	46.7	12	42	M12 x 1.75P	1	5.10
15925G - 165	BT50 x MLD12 - 165	266.8	165	46.7	12	42	M12 x 1.75P	1	5.80
15927G	BT50 x MLD16 - 105	206.8	105	56.7	16	48	M12 x 1.75P	1	4.90
15927G - 135	BT50 x MLD16 - 135	236.8	135	56.7	16	48	M12 x 1.75P	1	5.60
15927G - 165	BT50 x MLD16 - 165	266.8	165	56.7	16	48	M12 x 1.75P	1	6.50
15928G	BT50 x MLD20 - 105	206.8	105	59.3	20	56.5	M16 x 2.0P	1	4.50
15930G	BT50 x MLD20 - 150	251.8	150	59.3	20	56.5	M16 x 2.0P	1	4.90
15932G	BT50 x MLD25 - 100	201.8	100	58.2	25	60	M16 x 2.0P	1	4.80
15934G	BT50 x MLD25 - 130	231.8	130	58.2	25	60	M16 x 2.0P	1	5.70
15936G - 105	BT50 x MLD32 - 105	206.8	105	71.7	32	71	M24 x 3.0P	1	5.00
15936G	BT50 x MLD32 - 135	236.8	135	71.7	32	71	M24 x 3.0P	1	5.20
15938G	BT50 x MLD32 - 165	266.8	165	71.7	32	71	M24 x 3.0P	1	6.70
15940G	BT50 x MLD42 - 115	216.8	115	84.8	42	90	M24 x 3.0P	1	5.50
15942G	BT50 x MLD42 - 130	231.8	130	84.8	42	90	M24 x 3.0P	1	6.50
15944G	BT50 x MLD42 - 165	266.8	165	84.8	42	90	M24 x 3.0P	1	7.70

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



BT / MLD MULTI-LOCK MILLING CHUCK

BT / MLD 直式筒夾 銑床夾頭



Fig.1

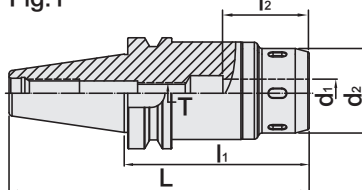
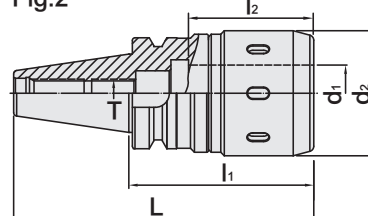


Fig.2



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
15989G	BT30 x MLD1/2" - 3.15"	5.05	3.15	1.84	0.5	1.654	M12 x 1.75P	2	1.00
15990G	BT30 x MLD5/8" - 2.95"	4.86	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.20
15991G	BT30 x MLD3/4" - 3.54"	5.449	3.54	2.34	0.75	2.224	M12 x 1.75P	2	1.90
15992G	BT30 x MLD1" - 3.54"	5.449	3.54	2.49	1	2.362	M16 x 2.0P	2	1.80
15988G	BT40 x MLD1/2" - 2.95"	5.528	2.95	1.84	0.5	1.654	M12 x 1.75P	1	1.50
15993G	BT40 x MLD5/8" - 2.95"	5.528	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.70
15994G	BT40 x MLD3/4" - 3.15"	5.724	3.15	2.34	0.75	2.224	M16 x 2.0P	1	2.30
15995G	BT40 x MLD1" - 3.15"	5.724	3.15	2.49	1	2.362	M16 x 2.0P	1	2.20
15996G	BT40 x MLD1-1/4" - 4"	6.575	4	2.8	1.25	2.795	M16 x 2.0P	2	2.70
15986G	BT50 x MLD1/2" - 4"	8.008	4	1.84	0.5	1.654	M12 x 1.75P	1	4.60
15987G	BT50 x MLD5/8" - 4"	8.008	4	2.23	0.625	1.889	M12 x 1.75P	1	4.90
15997G	BT50 x MLD3/4" - 4"	8.008	4	2.34	0.75	2.224	M16 x 2.0P	1	4.50
15998G	BT50 x MLD1" - 4.13"	8.14	4.13	2.49	1	2.362	M16 x 2.0P	1	4.80
15998G - 5.12	BT50 x MLD1" - 5.12"	9.126	5.12	2.49	1	2.362	M16 x 2.0P	1	5.70
15999G	BT50 x MLD1-1/4" - 4"	8.008	4	2.8	1.25	2.795	M24 x 3.0P	1	4.90

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



BT / EOC COLLET CHUCK

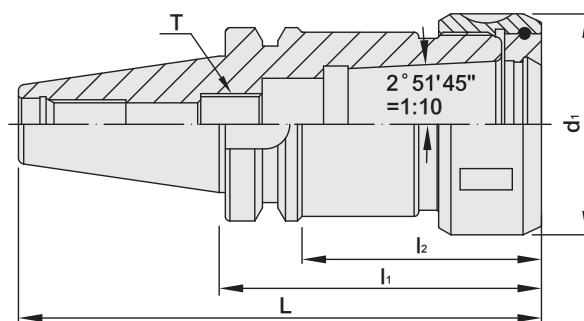


BT / EOC 立銑刀夾頭

(DIN ISO 10897)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	T	SIZE RANGE	WEIGHT (KGS)
16001	BT30 x EOC25 - 70	118.4	70	48	60	M12 x 1.75P	3 ~ 25	1.00
16021	BT40 x EOC25 - 70	135.4	70	40.5	60	M16 x 2.0P	3 ~ 25	1.38
16023	BT40 x EOC25 - 100	165.4	100	70.5	60	M16 x 2.0P	3 ~ 25	1.74
16026	BT40 x EOC25 - 120	185.4	120	88	60	M16 x 2.0P	3 ~ 25	1.74
16027	BT40 x EOC32 - 90	155.4	90	63	72	M20 x 2.0P	4 ~ 32	2.00
16029	BT40 x EOC32 - 105	170.4	105	78	72	M20 x 2.0P	4 ~ 32	2.20
16031	BT40 x EOC32 - 120	185.4	120	93	72	M20 x 2.0P	4 ~ 32	2.45
16041	BT50 x EOC25 - 85	186.8	85	44.5	60	M16 x 2.0P	3 ~ 25	4.40
16043	BT50 x EOC25 - 100	201.8	100	59.5	60	M16 x 2.0P	3 ~ 25	4.80
16046	BT50 x EOC25 - 120	221.8	120	77	60	M16 x 2.0P	3 ~ 25	5.20
16047	BT50 x EOC32 - 90	191.8	90	44	72	M24 x 2.0P	4 ~ 32	4.60
16049	BT50 x EOC32 - 105	206.8	105	59	72	M24 x 2.0P	4 ~ 32	4.85
16051	BT50 x EOC32 - 120	221.8	120	74	72	M24 x 2.0P	4 ~ 32	5.35

МАШСЕРВИС

Features:

- ▶ Each collet chuck has been locked with a nut, but not including a spanner and collet.
- ▶ The draw bar thread can make pull studs locked precisely and easily, including 45°, 60°, and 90°.

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

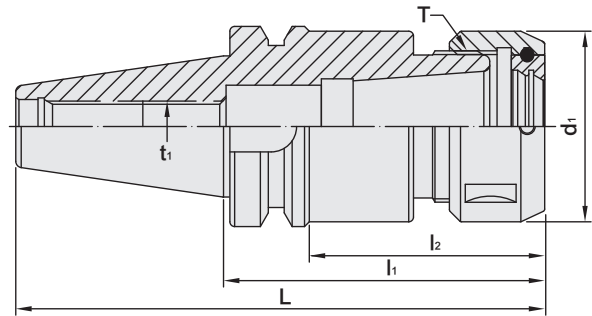
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-41	P.W-57	P.W-60~61	P.W-88	P.W-68~72



BT / TG COLLET CHUCK



BT / TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	t ₁	T	SIZE RANGE	WEIGHT (KGS)
16056	BT30 x TG75 - 70	118.4	70	47	50	M16 x 2.0P	TW 1-1/2" - 12	3 ~ 16	1.10
16058	BT30 x TG75 - 100	148.4	100	77	50	M16 x 2.0P	TW 1-1/2" - 12	3 ~ 16	1.15
16060	BT30 x TG100 - 100	148.4	100	78	60	-	TW 1-7/8" - 12	3 ~ 25	1.20
16068	BT40 x TG100 - 70	135.4	70	43	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.20
16070	BT40 x TG100 - 100	165.4	100	73	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.90
16072	BT40 x TG100 - 120	185.4	120	93	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	2.40
16074	BT40 x TG150 - 105	170.4	105	78	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.70
16076	BT40 x TG150 - 120	185.4	120	93	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.90
16078	BT40 x TG150 - 135	200.4	135	108	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	3.20
16088	BT50 x TG100 - 85	186.8	85	44	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	3.40
16090	BT50 x TG100 - 100	201.8	100	57	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	4.40
16092	BT50 x TG100 - 120	221.8	120	77	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	5.10
16094	BT50 x TG150 - 90	191.8	90	50	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	5.70
16096	BT50 x TG150 - 105	206.8	105	64	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	6.10
16098	BT50 x TG150 - 120	221.8	120	79	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	6.50

Features:

- ▶ Standard testing table is in accordance with the cutting length and precise requirements of various sizes of end mills.

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

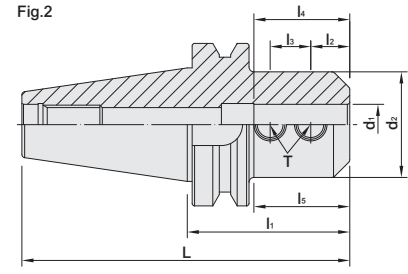
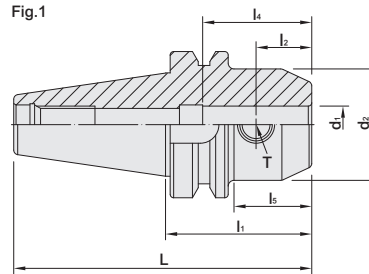
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-42~44	P.W-57	P.W-60~61	P.W-88	P.W-72

BT / SLN SIDE LOCK END MILL HOLDER

BT / SLN 側固式立銑刀柄

(DIN 1835)





MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17122	BT30 x SLN6 - 60	108.4	60	18	-	35	33	6	25	M6 x 1.0P	1	0.55
17123	BT30 x SLN8 - 60	108.4	60	18	-	35	33	8	28	M8 x 1.25P	1	0.60
17124	BT30 x SLN10 - 60	108.4	60	20	-	39	35	10	35	M10 x 1.5P	1	0.70
17125	BT30 x SLN12 - 60	108.4	60	22.5	-	44	36	12	42	M12 x 1.75P	1	0.75
17126	BT30 x SLN16 - 75	123.4	75	24	-	47	53	16	48	M14 x 2.0P	1	1.05
17127	BT30 x SLN20 - 75	123.4	75	25	-	49	53	20	52	M16 x 2.0P	1	1.10
17128	BT30 x SLN25 - 90	138.4	90	24	25	58	68	25	65	M18 x 2.0P	2	1.70
17131	BT40 x SLN6 - 50	115.4	50	18	-	35	20	6	25	M6 x 1.0P	1	1.10
17131 - 150	BT40 x SLN6 - 150	215.4	150	18	-	35	113	6	25	M6 x 1.0P	1	1.32
17132	BT40 x SLN8 - 50	115.4	50	18	-	35	20	8	28	M8 x 1.25P	1	1.10
17132 - 150	BT40 x SLN8 - 150	215.4	150	18	-	35	113	8	28	M8 x 1.25P	1	1.30
17133	BT40 x SLN10 - 63	128.4	63	20	-	39	33	10	35	M10 x 1.5P	1	1.25
17133 - 150	BT40 x SLN10 - 150	215.4	150	20	-	39	113	10	35	M10 x 1.5P	1	1.40
17134	BT40 x SLN12 - 63	128.4	63	22.5	-	44	33	12	42	M12 x 1.75P	1	1.30
17134 - 150	BT40 x SLN12 - 150	215.4	150	22.5	-	44	116	12	42	M12 x 1.75P	1	1.53
17135	BT40 x SLN16 - 63	128.4	63	24	-	47	33	16	48	M14 x 2.0P	1	1.40
17135 - 150	BT40 x SLN16 - 150	215.4	150	24	-	47	120	16	48	M14 x 2.0P	1	1.60
17135 - 18	BT40 x SLN18 - 63	128.4	63	24	-	44	33	18	50	M14 x 2.0P	1	1.65
17136	BT40 x SLN20 - 63	128.4	63	25	-	49	33	20	52	M16 x 2.0P	1	1.40
17137	BT40 x SLN25 - 100	165.4	100	24	25	58	73	25	65	M18 x 2.0P	2	2.50
17138	BT40 x SLN32 - 100	165.4	100	24	28	63	73	32	72	M20 x 2.0P	2	2.75

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

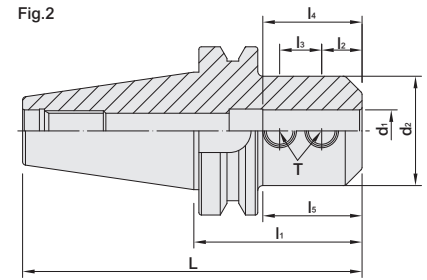
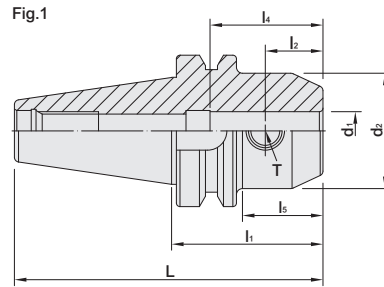
Pull Stud	Lock Screw
	
P.W-60~61	P.W-90



BT / SLN SIDE LOCK END MILL HOLDER

BT / SLN 側固式立銑刀柄

(DIN 1835)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17151	BT50 x SLN6 - 63	164.8	63	18	-	35	20	6	25	M6 x 1.0P	1	3.80
17152	BT50 x SLN8 - 63	164.8	63	18	-	39	20	8	28	M8 x 1.25P	1	3.80
17153	BT50 x SLN10 - 63	164.8	63	20	-	39	22	10	35	M10 x 1.5P	1	3.00
17154	BT50 x SLN12 - 80	181.8	80	22.5	-	44	39	12	42	M12 x 1.75P	1	4.00
17155	BT50 x SLN16 - 80	181.8	80	24	-	47	32	16	48	M14 x 2.0P	1	4.40
17156	BT50 x SLN20 - 80	181.8	80	25	-	49	37	20	52	M16 x 2.0P	1	4.40
17157	BT50 x SLN25 - 100	201.8	100	24	25	58	59	25	65	M18 x 2.0P	2	5.10
17158	BT50 x SLN32 - 105	206.8	105	24	28	63	64	32	72	M20 x 2.0P	2	5.20
17160	BT50 x SLN40 - 115	216.8	115	30	32	75	74	40	90	M20 x 2.0P	2	6.70
17164	BT50 x SLN40 - 120	221.8	120	30	32	75	79	40	90	M20 x 2.0P	2	6.70
17162	BT50 x SLN42 - 120	221.8	120	30	32	75	79	42	90	M20 x 2.0P	2	6.70
17166	BT50 x SLN50 - 120	221.8	120	35	35	78	82	50	98	M24 x 2.0P	2	7.16
17167	BT50 x SLN50.8 - 120	221.8	120	33.1	28.58	80	82	50.8	99	M20 x 2.0P	2	6.80

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

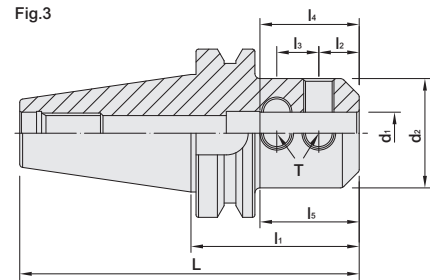
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Lock Screw
	
P.W-60~61	P.W-90

BT / SLN SIDE LOCK END MILL HOLDER

BT / SLN 側固式立銑刀柄

[DIN 1835]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17170	BT50 x SLN50.8 - 120	221.8	120	33.1	28.58	75	81	50.8	95	M20 x 2.0P	3	7.20
17168	BT50 x SLN63 - 120	221.8	120	33.1	28.58	80	82	63	125	M16 x 2.0P	3	6.60



МАШСЕРВИС

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

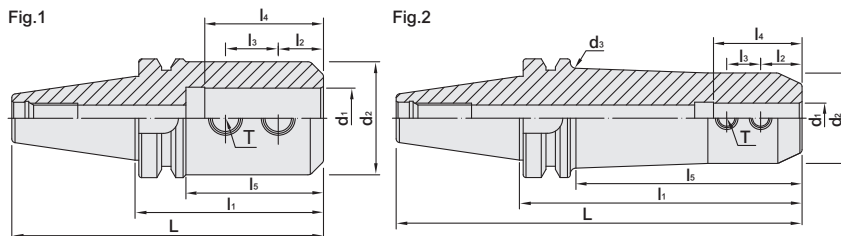
Pull Stud	Lock Screw
	
P.W-60~61	P.W-90



BT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

BT / SLN 側固式立銑刀柄 [JIS 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17131 - 75 - J	BT40 x SLN6 - 75JIS	140.4	75	12	10	35	45	6	25	-	M6 x 1.0P	1	1.20
17131 - 150 - J	BT40 x SLN6 - 150JIS	215.4	150	12	10	35	113	6	25	30	M6 x 1.0P	2	1.50
17132 - 75 - J	BT40 x SLN8 - 75JIS	140.4	75	14	12	35	45	8	28	-	M8 x 1.25P	1	1.20
17132 - 150 - J	BT40 x SLN8 - 150JIS	215.4	150	14	12	35	113	8	28	33	M8 x 1.25P	2	1.50
17133 - 75 - J	BT40 x SLN10 - 75JIS	140.4	75	15	14	39	45	10	35	-	M10 x 1.5P	1	1.40
17133 - 150 - J	BT40 x SLN10 - 150JIS	215.4	150	15	14	39	118	10	35	40	M10 x 1.5P	2	1.50
17134 - 75 - J	BT40 x SLN12 - 75JIS	140.4	75	20	16	44	45	12	42	-	M10 x 1.5P	1	1.50
17134 - 150 - J	BT40 x SLN12 - 150JIS	215.4	150	20	16	44	118	12	42	47	M10 x 1.5P	2	1.70
17135 - 75 - J	BT40 x SLN16 - 75JIS	140.4	75	22	18	47	45	16	48	-	M10 x 1.5P	1	1.60
17135 - 150 - J	BT40 x SLN16 - 150JIS	215.4	150	22	18	47	120	16	48	53	M10 x 1.5P	2	1.70
17136 - 90 - J	BT40 x SLN20 - 90JIS	155.4	90	25	20	55	60	20	50	-	M12 x 1.75P	1	1.75
17136 - 150 - J	BT40 x SLN20 - 150JIS	215.4	150	25	20	55	120	20	52	57	M12 x 1.75P	2	1.80
17137 - 90 - J	BT40 x SLN25 - 90JIS	155.4	90	24	25	58	60	25	50	-	M12 x 1.75P	1	1.70
17138 - J	BT40 x SLN32 - 100JIS	165.4	100	24	28	63	73	32	60	-	M16 x 2.0P	1	2.10

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw



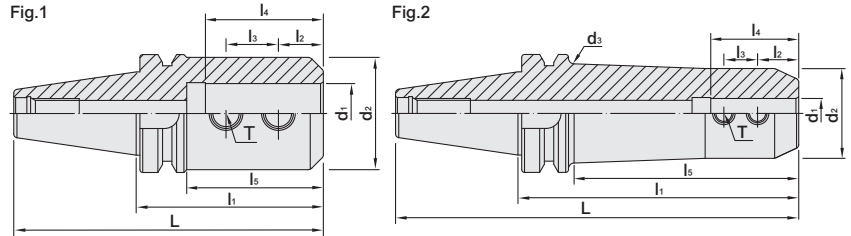
P.W-60~61

P.W-90

BT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

BT / SLN 側固式立銑刀柄 [JIS 型]




MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17151 - 75 - J	BT50 x SLN6 - 75JIS	176.8	75	12	10	35	27	6	25	-	M6 x 1.0P	1	3.90
17152 - 75 - J	BT50 x SLN8 - 75JIS	176.8	75	14	12	35	27	8	28	-	M8 x 1.25P	1	3.90
17153 - 75 - J	BT50 x SLN10 - 75JIS	176.8	75	15	14	39	32	10	35	-	M10 x 1.5P	1	3.90
17154 - 90 - J	BT50 x SLN12 - 90JIS	191.8	90	20	16	44	42	12	42	-	M10 x 1.5P	1	3.90
17154 - 165 - J	BT50 x SLN12 - 165JIS	266.8	165	20	16	44	124	12	42	47	M10 x 1.5P	2	5.00
17155 - 90 - J	BT50 x SLN16 - 90JIS	191.8	90	22	18	47	42	16	48	-	M10 x 1.5P	1	3.90
17155 - 150 - J	BT50 x SLN16 - 150JIS	251.8	150	22	18	47	102	16	48	53	M10 x 1.5P	2	4.98
17155 - 165 - J	BT50 x SLN16 - 165JIS	266.8	165	22	18	47	117	16	48	53	M10 x 1.5P	2	5.00
17156 - 90 - J	BT50 x SLN20 - 90JIS	191.8	90	25	20	55	49	20	50	-	M12 x 1.75P	1	4.50
17156 - 150 - J	BT50 x SLN20 - 150JIS	251.8	150	25	20	55	102	20	50	57	M12 x 1.75P	2	5.98
17156 - 165 - J	BT50 x SLN20 - 165JIS	266.8	165	25	20	55	117	20	50	57	M12 x 1.75P	2	6.00
17156 - 210 - J	BT50 x SLN20 - 210JIS	311.8	210	25	20	55	162	20	50	57	M12 x 1.75P	2	7.00
17157 - J	BT50 x SLN25 - 100JIS	201.8	100	24	25	58	59	25	50	-	M12 x 1.75P	1	4.58
17157 - 150 - J	BT50 x SLN25 - 150JIS	251.8	150	24	25	58	102	25	50	57	M12 x 1.75P	2	5.48
17157 - 165 - J	BT50 x SLN25 - 165JIS	266.8	165	24	25	58	117	25	50	57	M12 x 1.75P	2	5.50
17157 - 210 - J	BT50 x SLN25 - 210JIS	311.8	210	24	25	58	169	25	50	57	M12 x 1.75P	2	6.00
17157 - 250 - J	BT50 x SLN25 - 250JIS	351.8	250	24	25	58	202	25	50	60	M12 x 1.75P	2	7.00
17158 - 105 - J	BT50 x SLN32 - 105JIS	206.8	105	24	28	63	64	32	60	-	M16 x 2.0P	1	4.89
17158 - 150 - J	BT50 x SLN32 - 150JIS	251.8	150	24	28	63	102	32	50	60	M16 x 2.0P	2	7.48
17158 - 165 - J	BT50 x SLN32 - 165JIS	266.8	165	24	28	63	117	32	60	65	M16 x 2.0P	2	6.22
17158 - 210 - J	BT50 x SLN32 - 210JIS	311.8	210	24	28	63	162	32	50	60	M16 x 2.0P	2	6.34
17158 - 250 - J	BT50 x SLN32 - 250JIS	351.8	250	24	28	63	207	32	50	60	M16 x 2.0P	2	7.50
17158 - 300 - J	BT50 x SLN32 - 300JIS	401.8	300	24	28	63	257	32	60	65	M16 x 2.0P	2	8.00

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Lock Screw
	
P.W-60~61	P.W-90

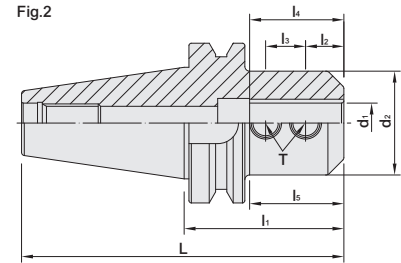
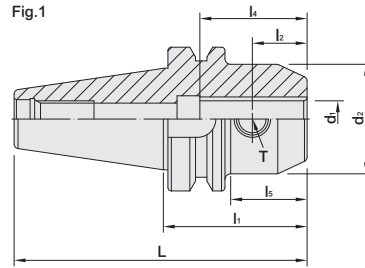


BT / SLN SIDE LOCK END MILL HOLDER

FID TYPE

BT

BT / SLN 側固式立銑刀柄 [FID 型]



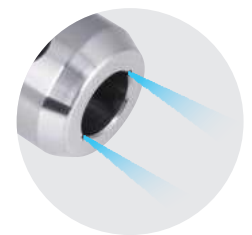
MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17131B	BT40 x SLN6 - 50 - FID	115.4	50	18	-	35	20	6	25	M6 x 1.0P	1	1.10
17131B - 150	BT40 x SLN6 - 150 - FID	215.4	150	18	-	35	113	6	25	M6 x 1.0P	1	1.32
17132B	BT40 x SLN8 - 50 - FID	115.4	50	18	-	35	20	8	28	M8 x 1.25P	1	1.10
17132B - 150	BT40 x SLN8 - 150 - FID	215.4	150	18	-	35	113	8	28	M8 x 1.25P	1	1.30
17133B	BT40 x SLN10 - 63 - FID	128.4	63	20	-	39	33	10	35	M10 x 1.5P	1	1.25
17133B - 150	BT40 x SLN10 - 150 - FID	215.4	150	20	-	39	113	10	35	M10 x 1.5P	1	1.40
17134B	BT40 x SLN12 - 63 - FID	128.4	63	22.5	-	44	33	12	42	M12 x 1.75P	1	1.30
17134B - 150	BT40 x SLN12 - 150 - FID	215.4	150	22.5	-	44	116	12	42	M12 x 1.75P	1	1.53
17135B	BT40 x SLN16 - 63 - FID	128.4	63	24	-	47	33	16	48	M14 x 2.0P	1	1.40
17135B - 150	BT40 x SLN16 - 150 - FID	215.4	150	24	-	47	120	16	48	M14 x 2.0P	1	1.60
17135B - 18	BT40 x SLN18 - 63 - FID	128.4	63	24	-	44	33	18	50	M14 x 2.0P	1	1.65
17136B	BT40 x SLN20 - 63 - FID	128.4	63	25	-	49	33	20	52	M16 x 2.0P	1	1.40
17137B	BT40 x SLN25 - 100 - FID	165.4	100	24	25	58	73	25	65	M18 x 2.0P	2	2.50
17138B	BT40 x SLN32 - 100 - FID	165.4	100	24	28	63	73	32	72	M20 x 2.0P	2	2.75
17151B	BT50 x SLN6 - 63 - FID	164.8	63	18	-	35	20	6	25	M6 x 1.0P	1	3.80
17152B	BT50 x SLN8 - 63 - FID	164.8	63	18	-	39	20	8	28	M8 x 1.25P	1	3.80
17153B	BT50 x SLN10 - 63 - FID	164.8	63	20	-	39	22	10	35	M10 x 1.5P	1	3.00
17154B	BT50 x SLN12 - 80 - FID	181.8	80	22.5	-	44	39	12	42	M12 x 1.75P	1	4.00
17155B	BT50 x SLN16 - 80 - FID	181.8	80	24	-	47	32	16	48	M14 x 2.0P	1	4.40
17156B	BT50 x SLN20 - 80 - FID	181.8	80	25	-	49	37	20	52	M16 x 2.0P	1	4.40
17157B	BT50 x SLN25 - 100 - FID	201.8	100	24	25	58	59	25	65	M18 x 2.0P	2	5.10
17158B	BT50 x SLN32 - 105 - FID	206.8	105	24	28	63	64	32	72	M20 x 2.0P	2	5.20
17160B	BT50 x SLN40 - 115 - FID	216.8	115	30	32	75	74	40	90	M20 x 2.0P	2	6.70
17164B	BT50 x SLN40 - 120 - FID	221.8	120	30	32	75	79	40	90	M20 x 2.0P	2	6.70
17162B	BT50 x SLN42 - 120 - FID	221.8	120	30	32	75	79	42	90	M20 x 2.0P	2	6.70
17166B	BT50 x SLN50 - 120 - FID	221.8	120	35	35	78	82	50	98	M24 x 2.0P	2	7.16
17167B	BT50 x SLN50.8 - 120 - FID	221.8	120	33.1	28.58	80	82	50.8	99	M20 x 2.0P	2	6.80

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.



Pull Stud

Lock Screw



P.W-60~61

P.W-90

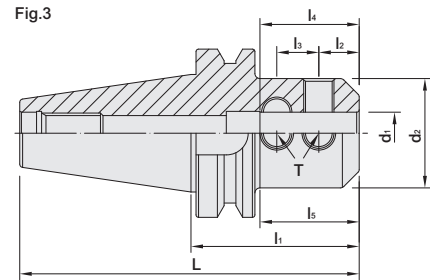


BT / SLN SIDE LOCK END MILL HOLDER

FID TYPE

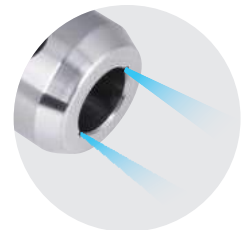
BT

BT / SLN 側固式立銑刀柄 [FID 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17170B	BT50 x SLN50.8 - 120 - FID	221.8	120	33.1	28.58	75	81	50.8	95	M20 x 2.0P	3	7.20
17168B	BT50 x SLN63 - 120 - FID	221.8	120	33.1	28.58	80	82	63	125	M16 x 2.0P	3	6.60

МАШСЕРВИС



Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw



P.W-60~61

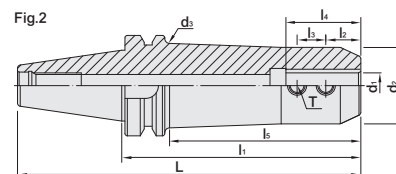
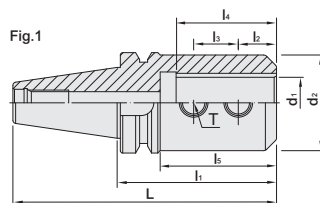
P.W-90



BT / SLN SIDE LOCK END MILL HOLDER

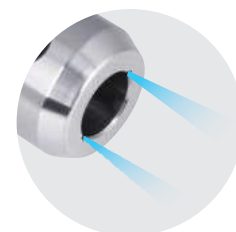
JIS-FID TYPE

BT / SLN 側固式立銑刀柄 [JIS-FID 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	Fig	WEIGHT (KGS)
17131B - J	BT40 x SLN6 - 50JIS - FID	115.4	50	18	-	35	20	6	25	M6 x 1.0P	1	1.10
17131B - 150 - J	BT40 x SLN6 - 150JIS - FID	215.4	150	18	-	35	113	6	25	M6 x 1.0P	1	1.32
17132B - J	BT40 x SLN8 - 50JIS - FID	115.4	50	18	-	35	20	8	28	M8 x 1.25P	1	1.10
17132B - 150 - J	BT40 x SLN8 - 150JIS - FID	215.4	150	18	-	35	113	8	28	M8 x 1.25P	1	1.30
17133B - J	BT40 x SLN10 - 63JIS - FID	128.4	63	20	-	39	33	10	35	M10 x 1.5P	1	1.25
17133B - 150 - J	BT40 x SLN10 - 150JIS - FID	215.4	150	20	-	39	113	10	35	M10 x 1.5P	1	1.40
17134B - J	BT40 x SLN12 - 63JIS - FID	128.4	63	22.5	-	44	33	12	42	M12 x 1.75P	1	1.30
17134B - 150 - J	BT40 x SLN12 - 150JIS - FID	215.4	150	22.5	-	44	116	12	42	M12 x 1.75P	1	1.53
17135B - J	BT40 x SLN16 - 63JIS - FID	128.4	63	24	-	47	33	16	48	M14 x 2.0P	1	1.40
17135B - 150 - J	BT40 x SLN16 - 150JIS - FID	215.4	150	24	-	47	120	16	48	M14 x 2.0P	1	1.60
17135B - 18 - J	BT40 x SLN18 - 63JIS - FID	128.4	63	24	-	44	33	18	50	M14 x 2.0P	1	1.65
17136B - J	BT40 x SLN20 - 63JIS - FID	128.4	63	25	-	49	33	20	52	M16 x 2.0P	1	1.40
17137B - J	BT40 x SLN25 - 100JIS - FID	165.4	100	24	25	58	73	25	65	M18 x 2.0P	2	2.50
17138B - J	BT40 x SLN32 - 100JIS - FID	165.4	100	24	28	63	73	32	72	M20 x 2.0P	2	2.75

МАШСЕРВИС



Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw



P.W-60~61

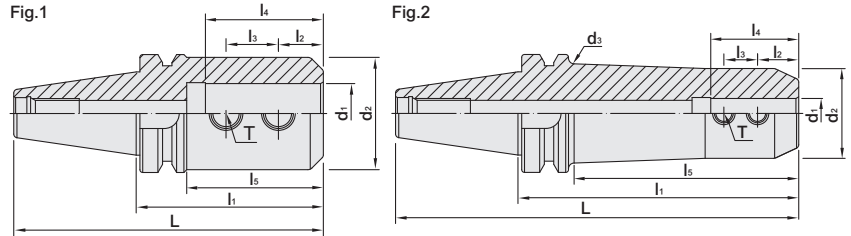
P.W-90



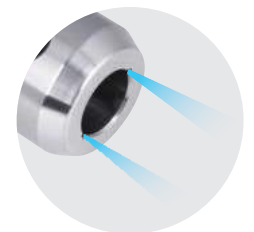
BT / SLN SIDE LOCK END MILL HOLDER

JIS-FID TYPE

BT / SLN 側固式立銑刀柄 [JIS-FID 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17151B - 75 - J	BT50 x SLN6 - 75JIS - FID	176.8	75	12	10	35	27	6	25	-	M6 x 1.0P	1	3.90
17152B - 75 - J	BT50 x SLN8 - 75JIS - FID	176.8	75	14	12	35	27	8	28	-	M8 x 1.25P	1	3.90
17153B - 75 - J	BT50 x SLN10 - 75JIS - FID	176.8	75	15	14	39	32	10	35	-	M10 x 1.5P	1	3.90
17154B - 90 - J	BT50 x SLN12 - 90JIS - FID	191.8	90	20	16	44	42	12	42	-	M10 x 1.5P	1	3.90
17154B - 165 - J	BT50 x SLN12 - 165JIS - FID	266.8	165	20	16	44	124	12	42	47	M10 x 1.5P	2	5.00
17155B - 90 - J	BT50 x SLN16 - 90JIS - FID	191.8	90	22	18	47	42	16	48	-	M10 x 1.5P	1	3.90
17155B - 165 - J	BT50 x SLN16 - 165JIS - FID	266.8	165	22	18	47	117	16	48	53	M10 x 1.5P	2	5.00
17156B - 90 - J	BT50 x SLN20 - 90JIS - FID	191.8	90	25	20	55	49	20	50	-	M12 x 1.75P	1	4.50
17156B - 165 - J	BT50 x SLN20 - 165JIS - FID	266.8	165	25	20	55	117	20	50	57	M12 x 1.75P	2	6.00
17156B - 210 - J	BT50 x SLN20 - 210JIS - FID	311.8	210	25	20	55	162	20	50	57	M12 x 1.75P	2	7.00
17157B - J	BT50 x SLN25 - 100JIS - FID	201.8	100	24	25	58	59	25	50	-	M12 x 1.75P	1	4.58
17157B - 165 - J	BT50 x SLN25 - 165JIS - FID	266.8	165	24	25	58	117	25	50	57	M12 x 1.75P	2	5.50
17157B - 210 - J	BT50 x SLN25 - 210JIS - FID	311.8	210	24	25	58	169	25	50	57	M12 x 1.75P	2	6.00
17157B - 250 - J	BT50 x SLN25 - 250JIS - FID	351.8	250	24	25	58	202	25	50	60	M12 x 1.75P	2	7.00
17158B - 105 - J	BT50 x SLN32 - 105JIS - FID	206.8	105	24	28	63	64	32	60	-	M16 x 2.0P	1	4.89
17158B - 165 - J	BT50 x SLN32 - 165JIS - FID	266.8	165	24	28	63	117	32	60	65	M16 x 2.0P	2	6.22
17158B - 210 - J	BT50 x SLN32 - 210JIS - FID	311.8	210	24	28	63	162	32	50	60	M16 x 2.0P	2	6.34
17158B - 250 - J	BT50 x SLN32 - 250JIS - FID	351.8	250	24	28	63	207	32	50	60	M16 x 2.0P	2	7.50
17158B - 300 - J	BT50 x SLN32 - 300JIS - FID	401.8	300	24	28	63	257	32	60	65	M16 x 2.0P	2	8.00



Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw



P.W-60~61

P.W-90



BT FACE MILL ARBOR

FMA TYPE

BT / FMA 平面銑刀柄



Fig.1

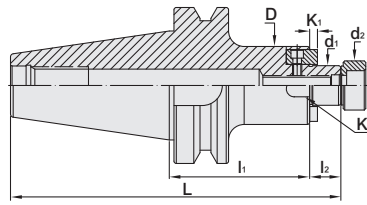
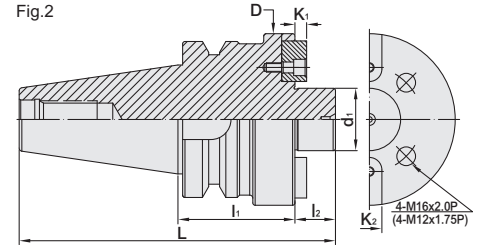


Fig.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
16612	BT30 x FMA25.4 - 45	113.4	45	20	50	25.4	31.5	4.52	9.52	1	1.00
16613	BT30 x FMA25.4 - 60	128.4	60	20	50	25.4	31.5	4.52	9.52	1	1.30
16614	BT30 x FMA31.75 - 45	115.4	45	22	60	31.75	41	6.7	12.7	1	1.20
16614 - 50	BT30 x FMA31.75 - 50	120.4	50	22	60	31.75	41	6.7	12.7	1	1.21
16615	BT40 x FMA25.4 - 45	130.4	45	20	50	25.4	31.5	4.52	9.52	1	1.80
16616	BT40 x FMA25.4 - 60	145.4	60	20	50	25.4	31.5	4.52	9.52	1	1.45
16617	BT40 x FMA25.4 - 90	175.4	90	20	50	25.4	31.5	4.52	9.52	1	2.10
16618	BT40 x FMA25.4 - 105	190.4	105	20	50	25.4	31.5	4.52	9.52	1	2.70
16618 - 150	BT40 x FMA25.4 - 150	235.4	150	20	50	25.4	31.5	4.52	9.52	1	3.00
16619	BT40 x FMA31.75 - 45	132.4	45	22	60	31.75	41	6.7	12.7	1	1.70
16620	BT40 x FMA31.75 - 75	162.4	75	22	60	31.75	41	6.7	12.7	1	2.70
16621	BT40 x FMA31.75 - 90	177.4	90	22	60	31.75	41	6.7	12.7	1	2.65
16626	BT40 x FMA38.1 - 60	150.4	60	25	75	38.1	44.5	8.87	15.87	1	2.25
16626 - 75	BT40 x FMA38.1 - 75	165.4	75	25	75	38.1	44.5	8.87	15.87	1	2.55
16626 - 105	BT40 x FMA38.1 - 105	195.4	105	25	75	38.1	44.5	8.87	15.87	1	3.20
16626 - 150	BT40 x FMA38.1 - 150	240.4	150	25	75	38.1	44.5	8.87	15.87	1	2.85
16627	BT40 x FMA50.8 - 60	161.4	60	36	98	50.8	65	9.75	19.05	1	2.25
16639	BT50 x FMA25.4 - 45	166.8	45	20	50	25.4	31.5	4.52	9.52	1	4.40
16640	BT50 x FMA25.4 - 90	211.8	90	20	50	25.4	31.5	4.52	9.52	1	5.10
16641	BT50 x FMA25.4 - 150	271.8	150	20	50	25.4	31.5	4.52	9.52	1	6.10
16642	BT50 x FMA31.75 - 45	168.8	45	22	60	31.75	41	6.2	12.7	1	4.50
16643	BT50 x FMA31.75 - 75	198.8	75	22	60	31.75	41	6.7	12.7	1	5.70
16644	BT50 x FMA31.75 - 105	228.8	105	22	60	31.75	41	6.7	12.7	1	5.70
16645	BT50 x FMA38.1 - 45	171.8	45	25	80	38.1	44.5	8.87	15.87	1	5.20
16646	BT50 x FMA38.1 - 75	201.8	75	25	80	38.1	44.5	8.87	15.87	1	6.00
16647	BT50 x FMA50.8 - 45	182.8	45	36	98	50.8	65	9.75	19.05	1	5.70
16648	BT50 x FMA50.8 - 75	212.8	75	36	98	50.8	65	9.75	19.05	1	6.80
16649	BT50 x FMA47.62 - 75	208.8	75	32	128.75	47.62	-	12.5	25.4	2	7.90

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Screw



P.W-60~61

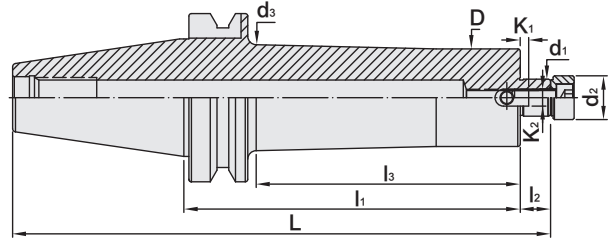
P.W-90

BT FACE MILL ARBOR

EXTENSION TYPE

BT

平面銑刀柄 [加長斜度柄]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
16641 - 125BG	BT50 x FMA25.4 - 125BG	246.8	125	20	79	48	25.4	31.5	60	4.25	9.52	5.30
16641 - 150BG	BT50 x FMA25.4 - 150BG	271.8	150	20	102	48	25.4	31.5	60	4.25	9.52	6.40
16641 - 200BG	BT50 x FMA25.4 - 200BG	321.8	200	20	152	58	25.4	31.5	63	4.25	9.52	7.50
16641 - 250BG	BT50 x FMA25.4 - 250BG	371.8	250	20	202	58	25.4	31.5	63	4.25	9.52	8.60
16641 - 300BG	BT50 x FMA25.4 - 300BG	421.8	300	20	252	58	25.4	31.5	63	4.25	9.52	9.70
16641 - 350BG	BT50 x FMA25.4 - 350BG	471.8	350	20	302	58	25.4	31.5	66	4.25	9.52	10.8
16641 - 400BG	BT50 x FMA25.4 - 400BG	521.8	400	20	352	58	25.4	31.5	66	4.25	9.52	11.9
16644 - 125BG	BT50 x FMA31.75 - 125BG	248.8	125	22	82	70	31.75	41	75	6.7	12.7	5.60
16644 - 150BG	BT50 x FMA31.75 - 150BG	273.8	150	22	107	70	31.75	41	75	6.7	12.7	6.30
16644 - 175BG	BT50 x FMA31.75 - 175BG	298.8	175	22	132	70	31.75	41	75	6.7	12.7	8.30
16644 - 200BG	BT50 x FMA31.75 - 200BG	323.8	200	22	157	70	31.75	41	75	6.7	12.7	9.10
16644 - 250BG	BT50 x FMA31.75 - 250BG	373.8	250	22	207	70	31.75	41	75	6.7	12.7	10.6
16644 - 300BG	BT50 x FMA31.75 - 300BG	423.8	300	22	252	70	31.75	41	75	6.7	12.7	12.1
16644 - 350BG	BT50 x FMA31.75 - 350BG	473.8	350	22	302	70	31.75	41	75	6.7	12.7	13.6



МАШСЕРВИС

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holders with special design of enlarged neck for the prolonged length type, rigidity and anti-vibration are improved.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

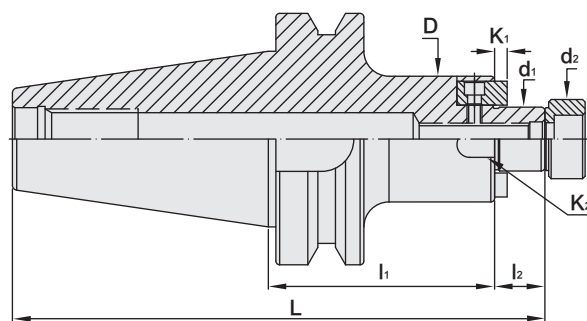
Pull Stud	Screw
	
P.W-60~61	P.W-90



BT FACE MILL ARBOR

FMB TYPE

BT / FMB 平面銑刀柄



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
16651	BT30 x FMB22 - 45	112.4	45	19	48	22	26	4.8	10	0.82
16652	BT30 x FMB22 - 60	127.4	60	19	48	22	26	4.8	10	1.02
16654	BT30 x FMB27 - 45	113.4	45	20	60	27	31.5	5.8	12	1.06
16655	BT30 x FMB27 - 60	128.4	60	20	60	27	31.5	5.8	12	1.34
16656	BT30 x FMB32 - 45	115.4	45	22	78	32	41	6.8	14	1.46
16657	BT40 x FMB22 - 45	129.4	45	19	48	22	26	4.8	10	1.34
16658	BT40 x FMB22 - 60	144.4	60	19	48	22	26	4.8	10	1.54
16659	BT40 x FMB22 - 100	184.4	100	19	48	22	26	4.8	10	2.08
16660	BT40 x FMB27 - 45	130.4	45	20	60	27	31.5	5.8	12	1.56
16663	BT40 x FMB27 - 60	145.4	60	20	60	27	31.5	5.8	12	1.88
16664	BT40 x FMB27 - 90	175.4	90	20	60	27	31.5	5.8	12	2.30
16665	BT40 x FMB27 - 105	190.4	105	20	60	27	31.5	5.8	12	2.08
16666	BT40 x FMB32 - 45	132.4	45	22	78	32	41	6.8	14	1.96
16667	BT40 x FMB32 - 60	147.4	60	22	78	32	41	6.8	14	2.34
16668	BT40 x FMB40 - 60	150.4	60	25	80	40	48	8.3	16	2.70
16668 - 75	BT40 x FMB40 - 75	165.4	75	25	80	40	48	8.3	16	2.90
16668 - 105	BT40 x FMB40 - 105	195.4	105	25	80	40	48	8.3	16	3.32

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Screw



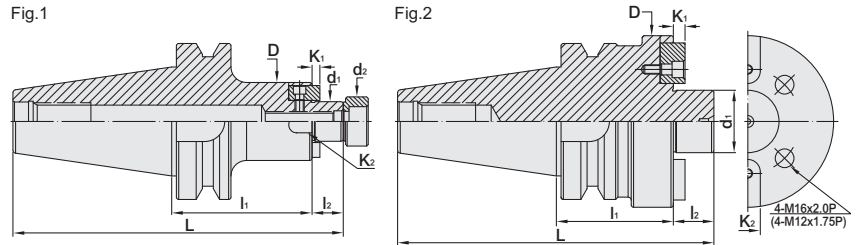
P.W-60~61

P.W-90

BT FACE MILL ARBOR

FMB TYPE

BT / FMB 平面銑刀柄



METRIC



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
16669	BT50 x FMB22 - 45	165.8	45	19	48	22	26	4.8	10	1	4.10
16670	BT50 x FMB22 - 90	210.8	90	19	48	22	26	4.8	10	1	4.80
16671	BT50 x FMB22 - 150	270.8	150	19	48	22	26	4.8	10	1	6.80
16671 - 200	BT50 x FMB22 - 200	320.8	200	19	48	22	26	4.8	10	1	7.00
16671 - 250	BT50 x FMB22 - 250	370.8	250	19	48	22	26	4.8	10	1	8.00
16672	BT50 x FMB27 - 50	171.8	50	20	60	27	31.5	5.8	12	1	4.30
16673	BT50 x FMB27 - 90	211.8	90	20	60	27	31.5	5.8	12	1	5.40
16674	BT50 x FMB27 - 150	271.8	150	20	60	27	31.5	5.8	12	1	6.50
16675	BT50 x FMB27 - 200	321.8	200	20	60	27	31.5	5.8	12	1	9.50
16675 - 250	BT50 x FMB27 - 250	371.8	250	20	60	27	31.5	5.8	12	1	11.0
16676	BT50 x FMB32 - 50	173.8	50	22	78	32	41	6.8	14	1	4.60
16677	BT50 x FMB32 - 90	213.8	90	22	78	32	41	6.8	14	1	5.80
16678	BT50 x FMB40 - 50	176.8	50	25	89	40	48	8.3	16	1	5.20
16680	BT50 x FMB40 - 90	216.8	90	25	89	40	48	8.3	16	1	6.00
16681	BT50 x FMB40 - 105	231.8	105	25	89	40	48	8.3	16	1	7.20
16682	BT50 x FMB40 - 150	276.8	150	25	89	40	48	8.3	16	1	7.90
16688	BT50 x FS40F - 75	202.8	75	26	110	40	-	8.3	16	2	6.00
16690	BT50 x FS60F - 75	201.8	75	25	138	60	-	12.5	25.4	2	8.50

Features:

- ▶ d₁ tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

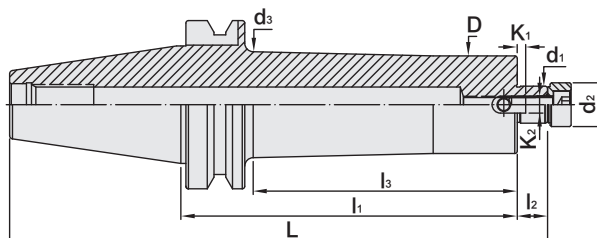
Pull Stud	Screw
	
P.W-60~61	P.W-90



BT FACE MILL ARBOR

EXTENSION TYPE

平面銑刀柄 [加長斜度柄]



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
16657 - 150BG	BT40 x FMB22 - 150BG	234.4	150	19	118	48	22	26	51	4.8	10	2.90
16657 - 200BG	BT40 x FMB22 - 200BG	284.4	200	19	168	48	22	26	51	4.8	10	3.60
16657 - 250BG	BT40 x FMB22 - 250BG	334.4	250	19	218	48	22	26	51	4.8	10	4.40
16671 - 150BG	BT50 x FMB22 - 150BG	270.8	150	19	107	58	22	26	62.5	4.8	10	6.80
16671 - 200BG	BT50 x FMB22 - 200BG	320.8	200	19	157	58	22	26	62.5	4.8	10	8.40
16671 - 250BG	BT50 x FMB22 - 250BG	370.8	250	19	207	58	22	26	62.5	4.8	10	9.40
16671 - 300BG	BT50 x FMB22 - 300BG	420.8	300	19	257	58	22	26	62.5	4.8	10	10.4
16671 - 350BG	BT50 x FMB22 - 350BG	470.8	350	19	307	58	22	26	62.5	4.8	10	11.4
16671 - 400BG	BT50 x FMB22 - 400BG	520.8	400	19	352	58	22	26	62.5	4.8	10	12.4
16671 - 450BG	BT50 x FMB22 - 450BG	570.8	450	19	402	58	22	26	62.5	4.8	10	13.4
16671 - 500BG	BT50 x FMB22 - 500BG	620.8	500	19	452	58	22	26	62.5	4.8	10	14.4
16674BG	BT50 x FMB27 - 150BG	271.8	150	20	107	60	27	31.5	78	5.8	12	6.90
16675BG	BT50 x FMB27 - 200BG	321.8	200	20	157	60	27	31.5	78	5.8	12	8.50
16675 - 250BG	BT50 x FMB27 - 250BG	371.8	250	20	207	60	27	31.5	78	5.8	12	9.50
16675 - 300BG	BT50 x FMB27 - 300BG	421.8	300	20	257	60	27	31.5	78	5.8	12	10.4
16675 - 350BG	BT50 x FMB27 - 350BG	471.8	350	20	307	60	27	31.5	78	5.8	12	11.4
16675 - 400BG	BT50 x FMB27 - 400BG	521.8	400	20	352	60	27	31.5	78	5.8	12	12.4
16675 - 450BG	BT50 x FMB27 - 450BG	571.8	450	20	402	60	27	31.5	78	5.8	12	13.4
16675 - 500BG	BT50 x FMB27 - 500BG	621.8	500	20	452	60	27	31.5	78	5.8	12	14.4
16677 - 150BG	BT50 x FMB32 - 150BG	273.8	150	22	107	78	32	41	85	6.8	14	7.00
16677 - 200BG	BT50 x FMB32 - 200BG	323.8	200	22	157	78	32	41	85	6.8	14	8.50
16677 - 250BG	BT50 x FMB32 - 250BG	373.8	250	22	207	78	32	41	85	6.8	14	9.50
16677 - 300BG	BT50 x FMB32 - 300BG	423.8	300	22	257	78	32	41	85	6.8	14	10.5
16677 - 350BG	BT50 x FMB32 - 350BG	473.8	350	22	307	78	32	41	85	6.8	14	11.5
16677 - 400BG	BT50 x FMB32 - 400BG	523.8	400	22	357	78	32	41	85	6.8	14	12.5
16677 - 450BG	BT50 x FMB32 - 450BG	573.8	450	22	407	78	32	41	85	6.8	14	13.5
16677 - 500BG	BT50 x FMB32 - 500BG	623.8	500	22	460	80	32	41	96	6.8	14	14.5

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holders with special design of enlarged neck for the prolonged length type, rigidity and anti-vibration are improved.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Screw



P.W-60~61

P.W-90

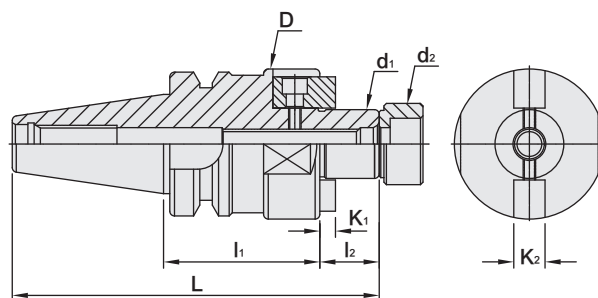


BT FACE MILL ARBOR

LIGHT WEIGHT TYPE - WITH TWO FLAT SIDES

BT

BT 平面銑刀柄 [削平兩端輕量型]



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
16612B - 50	BT30 x FMA25.4 - 50 - B	118.4	50	20	50	25.4	31.5	4.52	9.52	1.00
16614B - 50	BT30 x FMA31.75 - 50 - B	120.4	50	22	60	31.75	41	6.7	12.7	1.00
16651B - 50	BT30 x FMB22 - 50 - B	117.7	50	19	48	22	26	4.8	10	0.82
16654B - 50	BT30 x FMB27 - 50 - B	118.4	50	20	60	27	31.5	5.8	12	1.06



МАШСЕРВИС

Features:

- ▶ d₁ tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

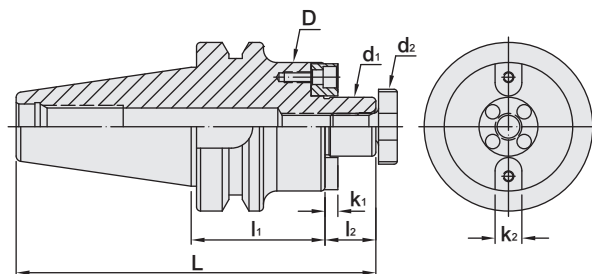
Pull Stud	Screw
	
P.W-60~61	P.W-90



BT FACE MILL ARBOR

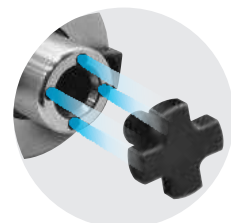
FMC TYPE

BT / FMC 平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
10.157.16.035	BT30 x FMC16 - 35	100.4	35	17	38	16	20	5	8	0.72
10.157.22.040	BT30 x FMC22 - 40	107.4	40	19	45	22	28	4.8	10	0.80
10.157.27.040	BT30 x FMC27 - 40	109.4	40	21	60	27	35	5.8	12	1.06
11.157.16.045	BT40 x FMC16 - 45	127.4	45	17	38	16	20	5	8	1.20
11.157.22.045	BT40 x FMC22 - 45	129.4	45	19	50	22	28	4.8	10	1.34
11.157.27.045	BT40 x FMC27 - 45	131.4	45	21	60	27	35	5.8	12	1.56
11.157.32.050	BT40 x FMC32 - 50	139.4	50	24	78	32	42	6.8	14	1.96
12.157.16.050	BT50 x FMC16 - 50	168.8	50	17	40	16	20	5	8	4.00
12.157.22.060	BT50 x FMC22 - 60	180.8	60	19	50	22	28	4.8	10	4.10
12.157.27.060	BT50 x FMC27 - 60	182.8	60	21	60	27	35	5.8	12	4.30
12.157.32.060	BT50 x FMC32 - 60	185.8	60	24	78	32	42	6.8	14	4.60
12.157.40.070	BT50 x FMC40 - 70	198.8	70	27	89	40	52	8.3	16	5.20

МАШСЕРВИС



Features:

- ▶ With four coolant holes at the end of holder.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SPANNER

Nut	Pull Stud	Spanner
		
P.W-67	P.W-60~61	P.W-67

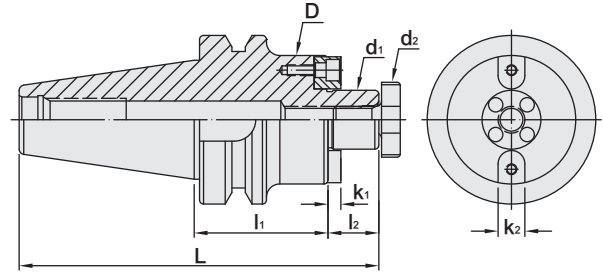


BT FACE MILL ARBOR

FMC TYPE

BT

BT / FMC 平面銑刀柄



INCHES

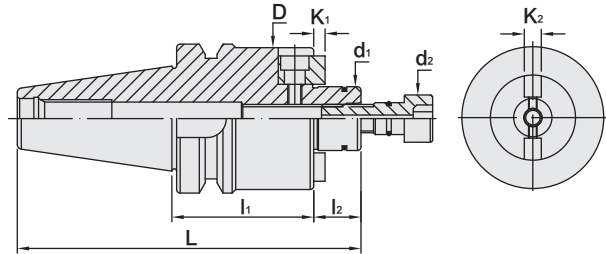
MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
11.157.66.045	BT40 x FMC22.225 - 45	127.4	45	17	47	22.225	28	3.5	8	1.50
11.157.66.060	BT40 x FMC22.225 - 60	142.4	60	17	47	22.225	28	3.5	8	1.80
11.157.66.090	BT40 x FMC22.225 - 90	172.4	90	17	47	22.225	28	3.5	8	2.50
11.157.68.060	BT40 x FMC25.4 - 60	147.4	60	22	70	25.4	35	5	9.525	2.00
11.157.68.090	BT40 x FMC25.4 - 90	177.4	90	22	70	25.4	35	5	9.525	2.70
11.157.68.105	BT40 x FMC25.4 - 105	192.4	105	22	70	25.4	35	5	9.525	3.40
11.157.72.060	BT40 x FMC31.75 - 60	155.4	60	30	76	31.75	42	7	12.7	2.50
11.157.72.090	BT40 x FMC31.75 - 90	185.4	90	30	76	31.75	42	7	12.7	3.20
12.157.66.090	BT50 x FMC22.225 - 90	208.8	90	17	47	22.225	28	3.5	8	4.40
12.157.66.105	BT50 x FMC22.225 - 105	223.8	105	17	47	22.225	28	3.5	8	4.70
12.157.66.150	BT50 x FMC22.225 - 150	268.8	150	17	47	22.225	28	3.5	8	5.30
12.157.66.200	BT50 x FMC22.225 - 200	318.8	200	17	47	22.225	28	3.5	8	6.00
12.157.66.250	BT50 x FMC22.225 - 250	368.8	250	17	47	22.225	28	3.5	8	6.60
12.157.66.300	BT50 x FMC22.225 - 300	418.8	300	17	47	22.225	28	3.5	8	7.70
12.157.66.350	BT50 x FMC22.225 - 350	468.8	350	17	47	22.225	28	3.5	8	8.90
12.157.68.045	BT50 x FMC25.4 - 45	168.8	45	22	70	25.4	35	5	9.525	4.00
12.157.68.060	BT50 x FMC25.4 - 60	183.8	60	22	70	25.4	35	5	9.525	4.50
12.157.68.090	BT50 x FMC25.4 - 90	213.8	90	22	70	25.4	35	5	9.525	5.40
12.157.68.150	BT50 x FMC25.4 - 150	273.8	150	22	70	25.4	35	5	9.525	7.20
12.157.68.200	BT50 x FMC25.4 - 200	323.8	200	22	70	25.4	35	5	9.525	8.70
12.157.68.250	BT50 x FMC25.4 - 250	373.8	250	22	70	25.4	35	5	9.525	10.3
12.157.68.300	BT50 x FMC25.4 - 300	423.8	300	22	70	25.4	35	5	9.525	11.8
12.157.72.045	BT50 x FMC31.75 - 45	176.8	45	30	76	31.75	42	7	12.7	4.10
12.157.72.075	BT50 x FMC31.75 - 75	206.8	75	30	76	31.75	42	7	12.7	5.20
12.157.72.105	BT50 x FMC31.75 - 105	236.8	105	30	76	31.75	42	7	12.7	6.30
12.157.72.150	BT50 x FMC31.75 - 150	281.8	150	30	76	31.75	42	7	12.7	7.90
12.157.72.200	BT50 x FMC31.75 - 200	331.8	200	30	76	31.75	42	7	12.7	9.70
12.157.72.250	BT50 x FMC31.75 - 250	381.8	250	30	76	31.75	42	7	12.7	11.6
12.157.72.300	BT50 x FMC31.75 - 300	431.8	300	30	76	31.75	42	7	12.7	13.4
12.157.77.045	BT50 x FMC38.1 - 45	180.8	45	34	100	38.1	52	9	15.9	4.40
12.157.77.075	BT50 x FMC38.1 - 75	210.8	75	34	100	38.1	52	9	15.9	6.30
12.157.77.105	BT50 x FMC38.1 - 105	240.8	105	34	100	38.1	52	9	15.9	8.10
12.157.77.150	BT50 x FMC38.1 - 150	285.8	150	34	100	38.1	52	9	15.9	10.9
12.157.77.200	BT50 x FMC38.1 - 200	335.8	200	34	100	38.1	52	9	15.9	14.5
12.157.77.250	BT50 x FMC38.1 - 250	385.8	250	34	100	38.1	52	9	15.9	17.5
12.157.77.300	BT50 x FMC38.1 - 300	435.8	300	34	100	38.1	52	9	15.9	19.2

Nut	Pull Stud	Spanner
		
P.W-67	P.W-60~61	P.W-67



BT / SMA FACE MILL ARBOR

BT / SMA 平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
11.660.22.090	BT40 x SMA22 - 90	174.4	90	19	48	22	18	4.8	10	1.90
11.660.22.105	BT40 x SMA22 - 105	189.4	105	19	48	22	18	4.8	10	1.10
11.660.22.135	BT40 x SMA22 - 135	219.4	135	19	48	22	18	4.8	10	2.20
11.660.27.090	BT40 x SMA27 - 90	175.4	90	20	60	27	20	5.8	12	2.00
11.660.27.105	BT40 x SMA27 - 105	190.4	105	20	60	27	20	5.8	12	2.10
11.660.27.135	BT40 x SMA27 - 135	220.4	135	20	60	27	20	5.8	12	2.20
11.660.32.090	BT40 x SMA32 - 90	177.4	90	22	80	32	22	6.8	14	2.40
11.660.32.105	BT40 x SMA32 - 105	192.4	105	22	80	32	22	6.8	14	2.50
11.660.32.135	BT40 x SMA32 - 135	222.4	135	22	80	32	22	6.8	14	2.60
12.660.22.090	BT50 x SMA22 - 90	210.8	90	19	48	22	18	4.8	10	4.80
12.660.22.105	BT50 x SMA22 - 105	225.8	105	19	48	22	18	4.8	10	5.00
12.660.22.135	BT50 x SMA22 - 135	255.8	135	19	48	22	18	4.8	10	5.10
12.660.27.090	BT50 x SMA27 - 90	211.8	90	20	60	27	20	5.8	12	5.40
12.660.27.105	BT50 x SMA27 - 105	226.8	105	20	60	27	20	5.8	12	5.50
12.660.27.135	BT50 x SMA27 - 135	256.8	135	20	60	27	20	5.8	12	5.60
12.660.32.090	BT50 x SMA32 - 90	213.8	90	22	80	32	22	6.8	14	5.80
12.660.32.105	BT50 x SMA32 - 105	228.8	105	22	80	32	22	6.8	14	5.90
12.660.32.135	BT50 x SMA32 - 135	258.8	135	22	80	32	22	6.8	14	6.00

Features:

- ▶ d1 tolerance: h6.
- ▶ Suitable for SRM Shell Rough Fixation Mill.
- ▶ There is more than 80% contact area that can avoid vibration effectively.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

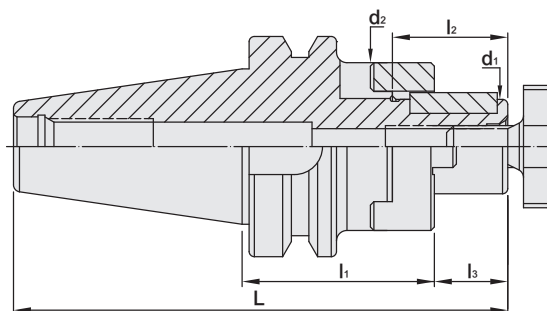


P.W-60~61



BT / CSR COMBI SHELL END MILL ARBOR

BT / CSR 聯結式銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
16352	BT30 x CSR16 - 50	115.4	50	27	17	16	32	1.40
16354	BT30 x CSR22 - 50	117.4	50	31	19	22	40	1.60
16356	BT30 x CSR27 - 55	124.4	55	33	21	27	48	1.80
16362	BT40 x CSR16 - 55	137.4	55	27	17	16	32	1.30
16364	BT40 x CSR22 - 55	139.4	55	31	19	22	40	1.60
16366	BT40 x CSR27 - 55	141.4	55	33	21	27	48	1.90
16368	BT40 x CSR32 - 60	149.4	60	38	24	32	58	2.40
16370	BT40 x CSR40 - 60	152.4	60	41	27	40	70	3.40
16374	BT50 x CSR16 - 60	178.8	60	27	17	16	32	4.40
16376	BT50 x CSR22 - 60	180.8	60	31	19	22	40	4.10
16378	BT50 x CSR27 - 60	182.8	60	33	21	27	48	4.50
16380	BT50 x CSR32 - 60	185.8	60	38	24	32	58	4.80
16382	BT50 x CSR40 - 70	198.8	70	41	27	40	70	5.20
16384	BT50 x CSR50 - 75	206.8	75	46	30	50	90	5.40

МАШСЕРВИС

Features:

- ▶ Shank includes removable ring, nut and spanner.
- ▶ Can purchase removable ring, nut, and spanner separately.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

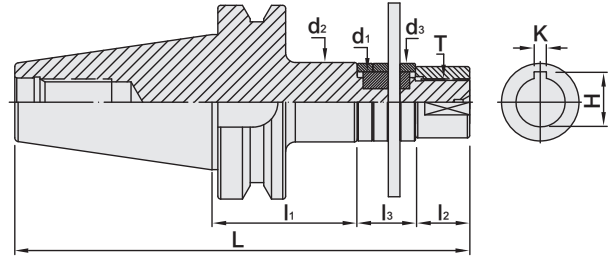
Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Key	Removable Ring	Nut	Pull Stud	Spanner
				
P.W-67	P.W-67	P.W-67	P.W-60~61	P.W-67



BT / SCA SIDE CUTTER ADAPTER

BT / SCA 側銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
17060	BT30 x SCA10 - 60	155.4	60	12	35	10	18	18	-	-	M8 x 1.25P	0.80
17062	BT30 x SCA16 - 60	154.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.00
17064	BT30 x SCA22 - 60	160.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.20
17066	BT30 x SCA22 - 75	175.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.40
17068	BT40 x SCA16 - 60	171.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.50
17070	BT40 x SCA22 - 60	177.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.60
17071	BT40 x SCA22 - 75	192.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.70
17072	BT40 x SCA22 - 120	237.4	120	22	30	22	34	34	6	24.3	M20 x 1.5P	2.00
17073	BT40 x SCA27 - 75	198.4	75	28	30	27	41	40	7	30	M24 x 1.5P	2.10
17074	BT40 x SCA27 - 120	243.4	120	28	30	27	41	40	7	30	M24 x 1.5P	2.50
17075	BT40 x SCA32 - 90	217.4	90	32	30	32	47	46	8	35.5	M30 x 1.5P	2.60
17083	BT50 x SCA22 - 90	243.8	90	22	30	22	34	34	6	24.3	M20 x 1.5P	4.40
17084	BT50 x SCA22 - 135	288.8	135	22	30	22	34	34	6	24.3	M20 x 1.5P	4.70
17085	BT50 x SCA27 - 90	249.8	90	28	30	27	41	40	7	30	M24 x 1.5P	4.60
17086	BT50 x SCA27 - 135	294.8	135	28	30	27	41	40	7	30	M24 x 1.5P	5.00
17087	BT50 x SCA32 - 90	253.8	90	32	30	32	47	46	8	35.5	M30 x 1.5P	4.70
17088	BT50 x SCA32 - 135	298.8	135	32	30	32	47	46	8	35.5	M30 x 1.5P	5.20
17089	BT50 x SCA40 - 90	261.8	90	40	30	40	55	55	10	43.7	M36 x 2.0P	5.00
17090	BT50 x SCA40 - 135	306.8	135	40	30	40	55	55	10	43.7	M36 x 2.0P	6.00

Features:

- ▶ Nut standard DIN-2082-I.
- ▶ Bush standard DIN-2084-B.

Pull Stud

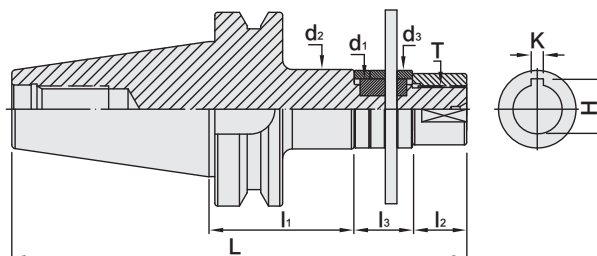


P.W-60~61



BT / SCA SIDE CUTTER ADAPTER

BT / SCA 側銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
17076	BT40 x SCA22.22 - 75	192.4	75	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	1.70
17077	BT40 x SCA22.22 - 120	237.4	120	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	2.00
17078	BT40 x SCA25.4 - 75	198.4	75	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.00
17079	BT40 x SCA25.4 - 120	243.4	120	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.40
17080	BT40 x SCA31.75 - 90	217.4	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	2.60
17091	BT50 x SCA22.22 - 90	243.8	90	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.40
17092	BT50 x SCA22.22 - 135	288.8	135	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.70
17093	BT50 x SCA25.4 - 90	249.8	90	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.50
17094	BT50 x SCA25.4 - 135	294.8	135	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.90
17095	BT50 x SCA31.75 - 90	253.8	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	4.70
17096	BT50 x SCA31.75 - 135	298.8	135	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	5.20
17097	BT50 x SCA38.1 - 90	261.8	90	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	4.90
17098	BT50 x SCA38.1 - 135	306.8	135	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	5.90

МАШСЕРВИС

Features:

- ▶ Nut standard DIN-2082-I.
- ▶ Bush standard DIN-2084-B.

Pull Stud



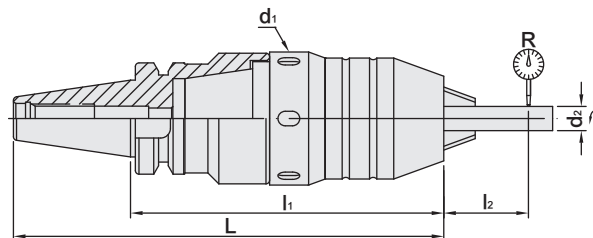
P.W-60~61



BT / SPH DRILL CHUCK ADAPTER

INTEGRATED TYPE

BT / SPH 直結式鑽夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
16420	BT30 x SPH8 - 115	163.4	115	55	42	6	0.04	2.18
16422	BT30 x SPH13 - 130	178.4	130	75	54	8	0.04	2.45
16430	BT40 x SPH8 - 90	155.4	90	55	42	6	0.04	2.45
16432	BT40 x SPH13 - 105	170.4	105	75	54	8	0.04	2.33
16434	BT40 x SPH13 - 120	185.4	120	75	54	8	0.04	2.63
16440	BT50 x SPH8 - 100	201.8	100	55	42	6	0.04	4.93
16442	BT50 x SPH13 - 115	216.8	115	75	54	8	0.04	5.13
16444	BT50 x SPH13 - 135	236.8	135	75	54	8	0.04	5.43
16446	BT50 x SPH13 - 150	251.8	150	75	54	8	0.04	5.73
16448	BT50 x SPH16 - 128	229.8	128	80	62	10	0.04	5.93

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling & tapping.
- ▶ The clamping capacity of SPH8 is 1~8mm.
- ▶ The clamping capacity of SPH13 is 1~13mm.
- ▶ The clamping capacity of SPH16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • SPANNER

Pull Stud

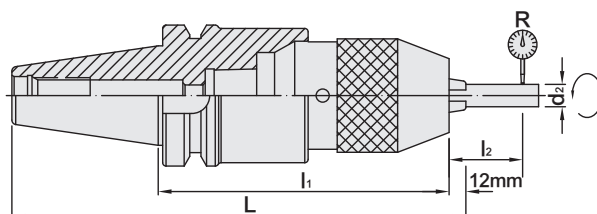


P.W-60~61



BT / SPU DRILL CHUCK ADAPTER

BT / SPU 直結式鑽夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
16452	BT30 x SPU8 - 80	140.4	80	55	37	6	0.04	0.72
16456	BT30 x SPU13 - 110	170.4	110	75	50	13	0.04	1.85
16458	BT30 x SPU16 - 115	175.4	115	80	57	16	0.04	2.18
16462	BT40 x SPU8 - 85	162.4	85	55	37	6	0.04	1.60
16466	BT40 x SPU13 - 100	177.4	100	75	50	13	0.04	2.00
16468	BT40 x SPU16 - 105	182.4	105	80	57	16	0.04	2.20
16472	BT50 x SPU8 - 90	203.8	90	55	37	6	0.04	4.16
16476	BT50 x SPU13 - 100	213.8	100	75	50	13	0.04	4.70
16477	BT50 x SPU13 - 120	233.8	120	75	50	13	0.04	5.00
16479	BT50 x SPU13 - 180	293.8	180	75	50	13	0.04	5.80
16480	BT50 x SPU16 - 105	218.8	105	80	57	16	0.04	5.03
16481	BT50 x SPU16 - 190	303.8	190	80	57	16	0.04	6.00

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling.
- ▶ The clamping capacity of SPU8 is 1~8mm.
- ▶ The clamping capacity of SPU13 is 1~13mm.
- ▶ The clamping capacity of SPU16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

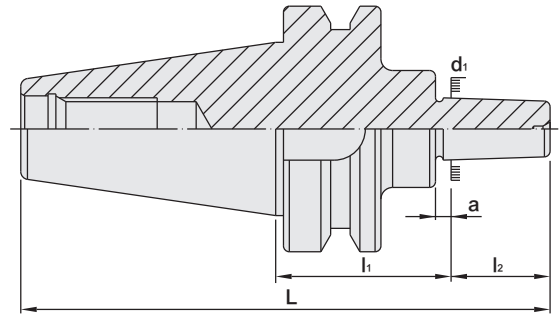
Standard Accessory: • SPANNER

Pull Stud	Spanner
	
P.W-60~61	P.W-72



BT DRILL CHUCK ARBOR

BT 鑽夾頭刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	a	WEIGHT (KGS)
16502	BT30 x JTA2 - 45	115.625	45	22.225	14.199	4	0.60
16504	BT30 x JTA33 - 45	118.8	45	25.4	15.85	4	0.75
16506	BT30 x JTA6 - 45	118.8	45	25.4	17.17	4	0.60
16522	BT40 x JTA2 - 45	136.625	45	22.225	14.199	4	1.30
16523	BT40 x JTA33 - 45	135.8	45	25.4	15.85	4	1.30
16524	BT40 x JTA6 - 45	135.8	45	25.4	17.17	4	1.20
16525	BT40 x JTA6 - 105	195.8	105	25.4	17.17	4	1.65
16542	BT50 x JTA2 - 45	169.025	45	22.225	14.199	4	4.10
16543	BT50 x JTA33 - 45	172.2	45	25.4	15.85	4	4.00
16544	BT50 x JTA6 - 45	172.2	45	25.4	17.17	4	4.20
16545	BT50 x JTA6 - 105	232.2	105	25.4	17.17	4	4.60
16552	BT30 x B10 - 45	107.9	45	14.5	10.094	3	0.60
16553	BT30 x B12 - 45	111.9	45	18.5	12.065	4	0.85
16554	BT30 x B16 - 45	117.4	45	24	15.733	5	0.60
16572	BT40 x B10 - 45	124.9	45	14.5	10.094	3	1.45
16573	BT40 x B12 - 45	128.9	45	18.5	12.065	4	1.40
16574	BT40 x B16 - 45	134.4	45	24	15.733	5	1.45
16575	BT40 x B16 - 90	179.4	90	24	15.733	5	1.70
16576	BT40 x B18 - 45	142.4	45	32	17.78	5	1.50
16577	BT40 x B18 - 90	187.4	90	32	17.78	5	1.80
16592	BT50 x B10 - 45	161.3	45	14.5	10.094	3	3.60
16593	BT50 x B12 - 45	165.3	45	18.5	12.065	4	3.60
16594	BT50 x B12 - 105	225.3	105	18.5	12.065	4	5.50
16595	BT50 x B16 - 45	170.8	45	24	15.733	5	5.10
16596	BT50 x B16 - 105	230.8	105	24	15.733	5	5.50
16597	BT50 x B18 - 45	178.8	45	32	17.78	5	4.30
16598	BT50 x B18 - 105	238.8	105	32	17.78	5	5.60

Features:

- ▶ For drill chuck according to DIN 238.

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Keyless Drill Chuck Pull Stud



P.W-83

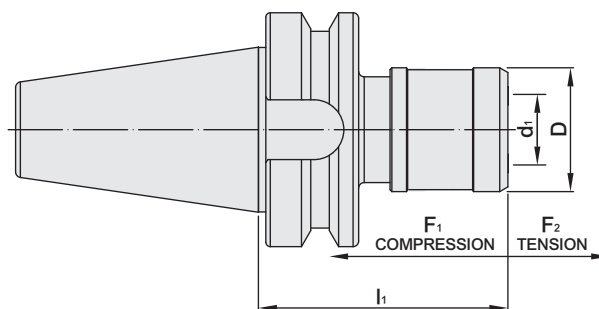


P.W-60~61

BT / QTC QUICK CHANGE TAPPING CHUCK

With length compensation on tension and compression

BT / QTC 快換式扭力攻牙刀桿 [伸縮緩衝型]



MODEL NO.	TYPE	TAPPING COLLET	TAPPING CAPACITY	COMPENSATION		l ₁	D	d ₁	WEIGHT (KGS)
				F ₁	F ₂				
10.08.1B.070	BT30 x QTC1 - 70	TCS - 1B	M3 - M14	7.5	7.5	70	36	19	0.70
10.08.2B.105	BT30 x QTC2 - 105	TCS - 2B	M8 - M24	12.5	12.5	105	53	31	1.20
11.08.1B.075	BT40 x QTC1 - 75	TCS - 1B	M3 - M14	7.5	7.5	75	36	19	2.00
11.08.2B.095	BT40 x QTC2 - 95	TCS - 2B	M8 - M24	12.5	12.5	95	53	31	1.70
11.08.3B.160	BT40 x QTC3 - 160	TCS - 3B	M14 - M36	20	20	160	78	48	3.20
12.08.1B.085	BT50 x QTC1 - 85	TCS - 1B	M3 - M14	7.5	7.5	85	36	19	4.00
12.08.2B.105	BT50 x QTC2 - 105	TCS - 2B	M8 - M24	12.5	12.5	105	53	31	4.30
12.08.3B.150	BT50 x QTC3 - 150	TCS - 3B	M14 - M36	20	20	150	78	48	5.80

МАШСЕРВИС

Features:

- ▶ Quick and easy tool change.
- ▶ Quick Change Tapping Chuck with length compensation and Tapping Collet with safety clutch device can increase tap life and improve tapping quality.



Application:

Quick Change Tapping Chuck with length compensation:

- ▶ Most commonly used for old CNC machines without rigid tapping. The length compensation prevents oversized threads and helps prevent tap breakage from excessive torque or over travel when the tap hits the bottom of the hole.
- ▶ Also ideal for high-end tapping applications in modern CNC machines, such as: small taps or difficult materials resulting in high torque loads.

Synchronized Tapping Holder:

- ▶ Ideal for everyday tapping, high speed and high production tapping for modern CNC machines capable of rigid tapping.

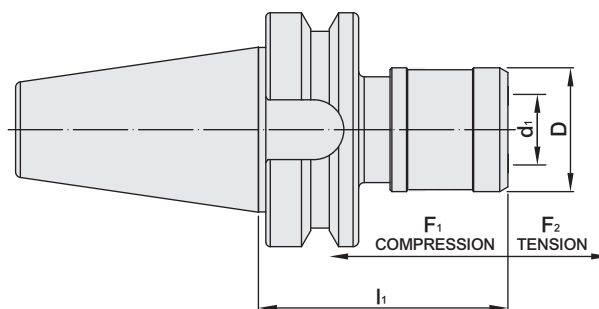
Tapping Collet	Pull Stud
 P.A-55~56	 P.W-60~61



BT / QTC QUICK CHANGE TAPPING CHUCK

With length compensation on tension and compression

BT / QTC 快換式扭力攻牙刀桿 [伸縮緩衝型]



MODEL NO.	TYPE	TAPPING COLLET	TAPPING CAPACITY	COMPENSATION		l ₁	D	d ₁	WEIGHT (KGS)
				F ₁	F ₂				
11.08.1B.135	BT40 x QTC1 - 135	TCS - 1B	M3 - M14	7.5	7.5	135	38	19	2.00
11.08.1B.165	BT40 x QTC1 - 165	TCS - 1B	M3 - M14	7.5	7.5	165	38	19	2.50
12.08.1B.135	BT50 x QTC1 - 135	TCS - 1B	M3 - M14	7.5	7.5	135	38	19	4.40
12.08.1B.165	BT50 x QTC1 - 165	TCS - 1B	M3 - M14	7.5	7.5	165	38	19	4.70
12.08.1B.195	BT50 x QTC1 - 195	TCS - 1B	M3 - M14	7.5	7.5	195	38	19	5.00
12.08.2B.135	BT50 x QTC2 - 135	TCS - 2B	M8 - M24	12.5	12.5	135	58	31	5.30
12.08.2B.165	BT50 x QTC2 - 165	TCS - 2B	M8 - M24	12.5	12.5	165	58	31	6.20
12.08.2B.195	BT50 x QTC2 - 195	TCS - 2B	M8 - M24	12.5	12.5	195	58	31	7.00
12.08.3B.200	BT50 x QTC3 - 200	TCS - 3B	M14 - M36	20	20	200	62	48	7.20

МАШСЕРВИС

Features:

- ▶ Quick and easy tool change.
- ▶ Quick Change Tapping Chuck with length compensation and Tapping Collet with safety clutch device can increase tap life and improve tapping quality.



Application:

Quick Change Tapping Chuck with length compensation:

- ▶ Most commonly used for old CNC machines without rigid tapping. The length compensation prevents oversized threads and helps prevent tap breakage from excessive torque or over travel when the tap hits the bottom of the hole.
- ▶ Also ideal for high-end tapping applications in modern CNC machines, such as: small taps or difficult materials resulting in high torque loads.

Synchronized Tapping Holder:

- ▶ Ideal for everyday tapping, high speed and high production tapping for modern CNC machines capable of rigid tapping.

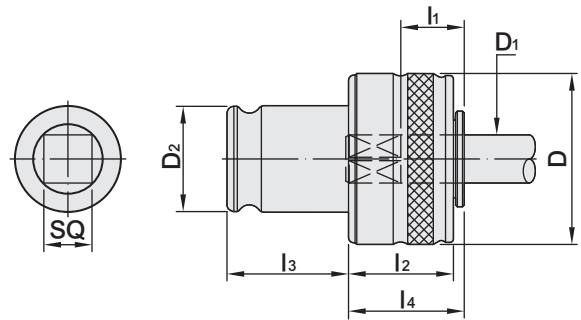
Tapping Collet	Pull Stud
	
P.A-55~56	P.W-60~61



QUICK CHANGE TAPPING COLLET

With safety clutch

快換式攻牙筒夾 [扭力型]



MODEL NO.	TYPE	D	D ₂	l ₁	l ₂	l ₃	l ₄	WEIGHT (KGS)
17730	TCS - 1B	32	19	17	25	25	21.5	0.18
17750	TCS - 2B	50	31	30	31	33	35.5	0.55
17770	TCS - 3B	72	48	44	41	45	55.5	1.58

TCS - 1B

TYPE	D ₁	SQ	TAP	STANDARD	D	D ₂	l ₁	l ₂	l ₃	l ₄	WEIGHT (KGS)
TCS1B-2.24-1.8	2.24	1.8	M3.5	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-2.5-2	2.5	2	M1.M2	ISO529	32	19	17	25	21.5	25	0.18
	2.5	2	M3.5	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-2.5-2.1	2.5	2.1	M1, M1.8	DIN371	32	19	17	25	21.5	25	0.18
	2.5	2.1	M3.5	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-2.8-2.1	2.8	2.1	M2, M2.5	DIN371	32	19	17	25	21.5	25	0.18
	2.8	2.1	M4	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-2.8-2.24	2.8	2.24	M2.2, M2.5	ISO529	32	19	17	25	21.5	25	0.18
TCS1B-3-2.5	3	2.5	M2	JIS	32	19	17	25	21.5	25	0.18
TCS1B-3.15-2.5	3.15	2.5	M3	ISO529	32	19	17	25	21.5	25	0.18
	3.15	2.5	M4	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-3.5-2.7	3.5	2.7	M3	DIN371	32	19	17	25	21.5	25	0.18
	3.5	2.7	M4.5	DIN376	32	19	17	25	21.5	25	0.18
	3.5	2.7	M5	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-3.55-2.8	3.55	2.8	M3.5	ISO529	32	19	17	25	21.5	25	0.18
	3.55	2.8	M4.5	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-4-3	4	3	M3.5	DIN371	32	19	17	25	21.5	25	0.18
TCS1B-4-3.15	4	3.15	M4	ISO529	32	19	17	25	21.5	25	0.18
	4	3.15	M5	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-4-3.2	4	3.2	M3	JIS	32	19	17	25	21.5	25	0.18
TCS1B-4.5-3.4	4.5	3.4	M4	DIN371	32	19	17	25	21.5	25	0.18
	4.5	3.4	M6	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-4.5-3.55	4.5	3.55	M4.5	ISO529	32	19	17	25	21.5	25	0.18
	4.5	3.55	M6	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-5-4	5	4	M4.M4.5.#8	JIS	32	19	17	25	21.5	25	0.18
	5	4	M5	ISO529	32	19	17	25	21.5	25	0.18
TCS1B-5.5-4.3	5.5	4.3	M7	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-5.5-4.5	5.5	4.5	M5.M5.5.#10	JIS	32	19	17	25	21.5	25	0.18
TCS1B-5.6-4.5	5.6	4.5	M7	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-6-4.5	6	4.5	M6.UNC1/4	JIS	32	19	17	25	21.5	25	0.18
TCS1B-6-4.9	6	4.9	M4.5	DIN371	32	19	17	25	21.5	25	0.18
	6	4.9	M5	DIN371	32	19	17	25	21.5	25	0.18
	6	4.9	M6	DIN371	32	19	17	25	21.5	25	0.18
	6	4.9	M8	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-6.1-5	6.1	5	UNC5/16	JIS	32	19	17	25	21.5	25	0.18



TYPE	D ₁	SQ	TAP	STANDARD	D	D ₂	l ₁	l ₂	l ₃	l ₄	WEIGHT (KGS)
TCS1B-6.2-5	6.2	5	M8.M7	JIS	32	19	17	25	21.5	25	0.18
TCS1B-6.3-5	6.3	5	M6	ISO529	32	19	17	25	21.5	25	0.18
	6.3	5	M8	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-7-5.5	7	5.5	M10.M9.UNC3/8	JIS	32	19	17	25	21.5	25	0.18
	7	5.5	M10	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-7.1-5.6	7.1	5.6	M7	ISO529	32	19	17	25	21.5	25	0.18
	7.1	5.6	M9	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-8-6	8	6	M11.UNC7/16	JIS	32	19	17	25	21.5	25	0.18
TCS1B-8-6.2	8	6.2	M8	DIN371	32	19	17	25	21.5	25	0.18
TCS1B-8-6.3	8	6.3	M8	ISO529	32	19	17	25	21.5	25	0.18
	8	6.3	M10	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-8.5-6.5	8.5	6.5	M12	JIS	32	19	17	25	21.5	25	0.18
TCS1B-9-7	9	7	UNC1/2	JIS	32	19	17	25	21.5	25	0.18
	9	7	M12	DIN376	32	19	17	25	21.5	25	0.18
TCS1B-9-7.1	9	7.1	M9	ISO529	32	19	17	25	21.5	25	0.18
	9	7.1	M12	ISO529/2283	32	19	17	25	21.5	25	0.18
TCS1B-10-8	10	8	M10	DIN371	32	19	17	25	21.5	25	0.18
	10	8	M10	ISO529	32	19	17	25	21.5	25	0.18
TCS1B-10.5-8	10.5	8	M14.M15.UNC9/16	JIS	32	19	17	25	21.5	25	0.18
TCS1B-11-9	11	9	M14	DIN376	32	19	17	25	21.5	25	0.18

TCS - 2B

TCS2B-5.5-4.5	5.5	4.5	M5.5, M5, #10	JIS	50	31	30	31	35.5	33	0.55
TCS2B-6-4.5	6	4.5	M6	JIS	50	31	30	31	35.5	33	0.55
	6	4.5	UNC1/4	JIS	50	31	30	31	35.5	33	0.55
TCS2B-6-4.9	6	4.9	M5.M6	DIN371	50	31	30	31	35.5	33	0.55
	6	4.9	M8	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-6.1-5	6.1	5	UNC5/16	JIS	50	31	30	31	35.5	33	0.55
TCS2B-6.2-5	6.2	5	M8.M7	JIS	50	31	30	31	35.5	33	0.55
TCS2B-6.3-5	6.3	5	M6	ISO529	50	31	30	31	35.5	33	0.55
	6.3	5	M8	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-7-5.5	7	5.5	M10.M9.UNC3/8	JIS	50	31	30	31	35.5	33	0.55
	7	5.5	M10	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-7.1-5.6	7.1	5.6	M7	ISO529	50	31	30	31	35.5	33	0.55
	7.1	5.6	M9	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-8-6	8	6	M11.UNC7/16	JIS	50	31	30	31	35.5	33	0.55
TCS2B-8-6.2	8	6.2	M8	DIN371	50	31	30	31	35.5	33	0.55
TCS2B-8-6.3	8	6.3	M8	ISO529	50	31	30	31	35.5	33	0.55
	8	6.3	M10	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-8.5-6.5	8.5	6.5	M12	JIS	50	31	30	31	35.5	33	0.55
TCS2B-9-7	9	7	UNC1/2	JIS	50	31	30	31	35.5	33	0.55
	9	7	M12	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-9-7.1	9	7.1	M9	ISO529	50	31	30	31	35.5	33	0.55
	9	7.1	M12	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-10-8	10	8	M10	DIN371	50	31	30	31	35.5	33	0.55
	10	8	M10	ISO529	50	31	30	31	35.5	33	0.55
TCS2B-10.5-8	10.5	8	M14.M15.UNC9/16	JIS	50	31	30	31	35.5	33	0.55
TCS2B-11-9	11	9	M14	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-11.2-9	11.2	9	M14	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-12-9	12	9	UNC5/8	JIS	50	31	30	31	35.5	33	0.55
	12	9	M16	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-12.5-10	12.5	10	M16	JIS	50	31	30	31	35.5	33	0.55
	12.5	10	M16	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-13-10	13	10	M17	JIS	50	31	30	31	35.5	33	0.55
TCS2B-14-11	14	11	M18.UNC3/4	JIS	50	31	30	31	35.5	33	0.55
	14	11	M18	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-14-11.2	14	11.2	M18	ISO529/2283	50	31	30	31	35.5	33	0.55
	14	11.2	M20	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-15-12	15	12	M20	JIS	50	31	30	31	35.5	33	0.55
TCS2B-16-12	16	12	M20	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-16-12.5	16	12.5	M22	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-17-13	17	13	M22.UNC7/8	JIS	50	31	30	31	35.5	33	0.55

TYPE	D ₁	SQ	TAP	STANDARD	D	D ₂	l ₁	l ₂	l ₃	l ₄	WEIGHT (KGS)
TCS2B-18-14	18	14	M24	ISO529/2283	50	31	30	31	35.5	33	0.55
TCS2B-18-14.5	18	14.5	M22	DIN376	50	31	30	31	35.5	33	0.55
	18	14.5	M24	DIN376	50	31	30	31	35.5	33	0.55
TCS2B-19-15	19	15	M24.M25	JIS	50	31	30	31	35.5	33	0.55
TCS3B-10.5-8	10.5	8	M14.M15.UNC9/16	JIS	72	48	44	41	55.5	45	1.58
TCS3B-11-9	11	9	M14	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-11.2-9	11.2	9	M14	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-12-9	12	9	UNC5/8	JIS	72	48	44	41	55.5	45	1.58
	12	9	M16	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-12.5-10	12.5	10	M16	JIS	72	48	44	41	55.5	45	1.58
	12.5	10	M16	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-13-10	13	10	M17	JIS	72	48	44	41	55.5	45	1.58
TCS3B-14-11	14	11	M18.UNC3/4	JIS	72	48	44	41	55.5	45	1.58
	14	11	M18	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-14-11.2	14	11.2	M18	ISO529/2283	72	48	44	41	55.5	45	1.58
	14	11.2	M20	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-15-12	15	12	M20	JIS	72	48	44	41	55.5	45	1.58
TCS3B-16-12	16	12	M20	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-16-12.5	16	12.5	M22	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-17-13	17	13	M22.UNC7/8	JIS	72	48	44	41	55.5	45	1.58
TCS3B-18-14	18	14	M24	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-18-14.5	18	14.5	M22	DIN376	72	48	44	41	55.5	45	1.58
	18	14.5	M24	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-19-15	19	15	M24.M25	JIS	72	48	44	41	55.5	45	1.58
TCS3B-20-15	20	15	M27.M26.UNC1	JIS	72	48	44	41	55.5	45	1.58
TCS3B-20-16	20	16	M27	DIN376	72	48	44	41	55.5	45	1.58
	20	16	M27	ISO529/2283	72	48	44	41	55.5	45	1.58
	20	16	M30	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-21-17	21	17	M28	JIS	72	48	44	41	55.5	45	1.58
TCS3B-22-17	22	17	UNC1-1/8	JIS	72	48	44	41	55.5	45	1.58
TCS3B-22-18	22	18	M30	DIN376	72	48	44	41	55.5	45	1.58
TCS3B-22.4-18	22.4	18	M33	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-23-17	23	17	M30	JIS	72	48	44	41	55.5	45	1.58
TCS3B-24-19	24	19	M32.UNC1-1/4	JIS	72	48	44	41	55.5	45	1.58
TCS3B-25-19	25	19	M33	JIS	72	48	44	41	55.5	45	1.58
TCS3B-25-20	25	20	M33	DIN376	72	48	44	41	55.5	45	1.58
	25	20	M36	ISO529/2283	72	48	44	41	55.5	45	1.58
TCS3B-26-21	26	21	M35.M34.UNC1-3/8	JIS	72	48	44	41	55.5	45	1.58
TCS3B-28-21	28	21	M36	JIS	72	48	44	41	55.5	45	1.58
TCS3B-28-22	28	22	M36	DIN376	72	48	44	41	55.5	45	1.58

Features:

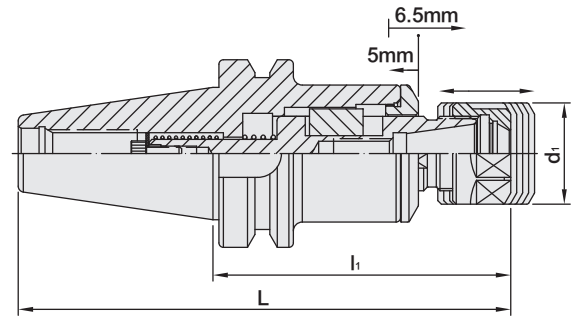
- ▶ Please inform the sizes of D1 and SQ when making an order.
- ▶ Has a range of torsion and can be set in advance.
- ▶ The harder materials of tools, the stronger torsion is needed.



BT / ETP EXPANSION ER TAPPER



BT / ETP 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
18701	BT30 x ETP16A - 75	123.4	75	28	ER16	M3 - M10	0.55
18703	BT30 x ETP16A - 90	138.4	90	28	ER16	M3 - M10	0.60
18705	BT30 x ETP20A - 75	123.4	75	34	ER20	M3 - M17	0.58
18707	BT30 x ETP20A - 90	138.4	90	34	ER20	M3 - M17	0.62
18711	BT40 x ETP16A - 120	185.4	120	28	ER16	M3 - M10	1.65
18713	BT40 x ETP16A - 150	215.4	150	28	ER16	M3 - M10	1.85
18715	BT40 x ETP20A - 100	165.4	100	34	ER20	M3 - M17	1.65
18717	BT40 x ETP20A - 150	215.4	150	34	ER20	M3 - M17	1.90
18719	BT40 x ETP20M - 200	265.4	200	28	ER20	M3 - M17	2.15
18721	BT40 x ETP32 - 120	185.4	120	50	ER32	M3 - M27	2.10
18731	BT50 x ETP16A - 120	221.8	120	28	ER16	M3 - M10	4.30
18733	BT50 x ETP16A - 150	251.8	150	28	ER16	M3 - M10	4.50
18735	BT50 x ETP20A - 100	201.8	100	34	ER20	M3 - M17	4.30
18737	BT50 x ETP20A - 150	251.8	150	34	ER20	M3 - M17	4.60
18739	BT50 x ETP20M - 200	301.8	200	28	ER20	M3 - M17	4.70
18741	BT50 x ETP32 - 120	221.8	120	50	ER32	M3 - M27	4.65

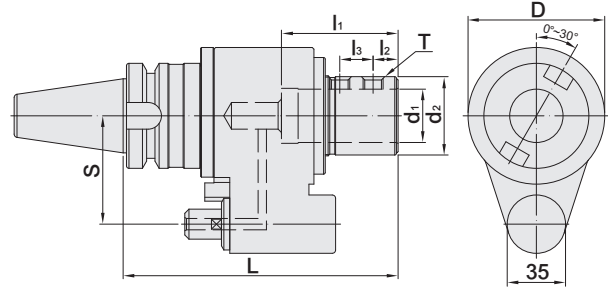
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10,20~25	P.W-48	P.W-60~61	P.W-88	P.W-68~71



BT / OSL SIDE LOCK OIL HOLE HOLDER

BT / OSL 側固式油路刀把







MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	S	T	WEIGHT (KGS)
18001	BT40 x OSL16 - 165	165	58	25	-	82	16	46.5	65	M12 x 1.75P	3.10
18003	BT40 x OSL20 - 165	165	60	25	-	82	20	46.5	65	M12 x 1.75P	3.50
18005	BT40 x OSL25 - 165	165	66	15	20	82	25	46.5	65	M12 x 1.75P	3.50
18007	BT40 x OSL32 - 165	165	70	15	20	82	32	47	65	M12 x 1.75P	5.20
18002	BT40 x OSL16 - 165S	165	48	25	-	82	16	46.5	60	M12 x 1.75P	3.10
18004	BT40 x OSL20 - 165S	165	50	25	-	82	20	46.5	60	M12 x 1.75P	3.50
18006	BT40 x OSL25 - 165S	165	56	15	20	82	25	46.5	60	M12 x 1.75P	3.50
18008	BT40 x OSL32 - 165S	165	60	15	20	82	32	47	60	M12 x 1.75P	5.20
18009	BT50 x OSL16 - 165	165	58	24	-	98	16	56	80	M14 x 2.0P	7.00
18011	BT50 x OSL20 - 165	165	60	25	-	98	20	56	80	M12 x 1.75P	7.50
18013	BT50 x OSL25 - 165	165	70	15	20	98	25	56	80	M16 x 2.0P	7.50
18015	BT50 x OSL32 - 165	165	70	15	20	98	32	56	80	M16 x 2.0P	7.80
18017	BT50 x OSL40 - 170	170	70	15	25	105	40	56	80	M14 x 2.0P	8.50
18019	BT50 x OSL16 - 165M	165	48	25	-	98	16	56	82	M14 x 2.0P	7.10
18021	BT50 x OSL20 - 165M	165	50	25	-	98	20	56	82	M12 x 1.75P	7.60
18023	BT50 x OSL25 - 165M	165	56	15	20	98	25	56	82	M16 x 2.0P	7.70
18025	BT50 x OSL32 - 165M	165	60	15	20	98	32	56	82	M16 x 2.0P	7.80
18027	BT50 x OSL40 - 170M	170	62	15	25	105	40	56	82	M14 x 2.0P	8.50
18029	BT50 x OSL16 - 165L	165	48	25	-	98	16	56	85	M14 x 2.0P	7.20
18031	BT50 x OSL20 - 165L	165	50	25	-	98	20	56	85	M12 x 1.75P	7.80
18033	BT50 x OSL25 - 165L	165	56	15	20	98	25	56	85	M16 x 2.0P	7.80
18035	BT50 x OSL32 - 165L	165	60	15	20	98	32	56	85	M16 x 2.0P	8.00
18037	BT50 x OSL40 - 170L	170	62	15	25	105	40	56	85	M14 x 2.0P	8.70

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

Straight Sleeve	Fixed Block	Pull Stud	Lock Screw
			
P.W-83	P.W-94	P.W-60~61	P.W-90



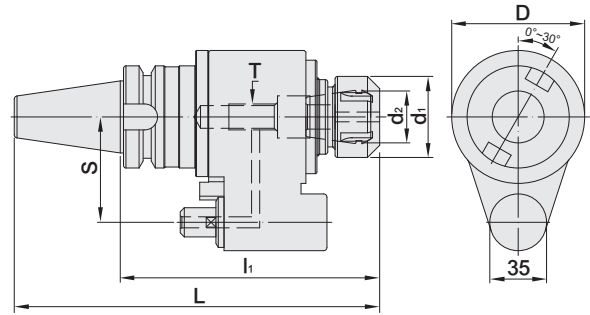
BT / OHER OIL HOLE COLLET CHUCK



BT / OHER 油路刀把



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	I ₁	D	d ₁	d ₂ ER	S	T	WEIGHT (KGS)
18202	BT40 x OHER16 - 160	225.4	160	82	28	16	65	M10	3.80
18204	BT40 x OHER20 - 160	225.4	160	82	34	20	65	M12	4.10
18206	BT40 x OHER25 - 160	225.4	160	82	42	25	65	M16	4.30
18208	BT40 x OHER32 - 160	225.4	160	82	50	32	65	M16	4.50
18210	BT50 x OHER16 - 160	261.8	160	98	28	16	80	M10	7.00
18212	BT50 x OHER20 - 160	261.8	160	98	34	20	80	M12	7.10
18214	BT50 x OHER25 - 160	261.8	160	98	42	25	80	M16	7.20
18216	BT50 x OHER32 - 160	261.8	160	98	50	32	80	M16	7.30
18218	BT50 x OHER40 - 160	261.8	160	98	63	40	80	M20	7.50

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

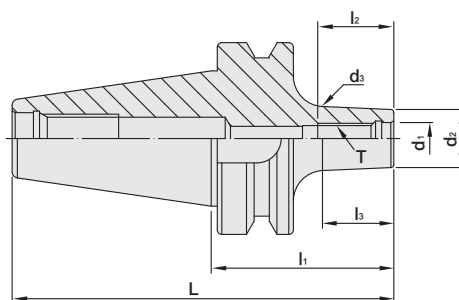
Standard Accessory: • NUT

Collet	Nut	Fixed Block	Pull Stud	Preset Screw	Spanner
P.W-7~17	P.W-48,51	P.W-94	P.W-60~61	P.W-88	P.W-68~71



BT / SOM SCREWED END MILL HOLDER

BT / SOM 螺紋鎖固式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
19205	BT40 x SOM6 - 60	125.4	60	25	23.4	6.5	13	15.1	M6 x 1.0P	1.10
19206	BT40 x SOM8 - 60	125.4	60	25	23.4	8.5	15	17.1	M8 x 1.25P	1.10
19208	BT40 x SOM10 - 60	125.4	60	25	23.4	10.5	19	21.1	M10 x 1.5P	1.20
19210	BT40 x SOM12 - 70	135.4	70	31	31.5	12.5	21	22.8	M12 x 1.75P	1.20
19212	BT40 x SOM12 - 100	165.4	100	31	42.4	12.5	21	23.8	M12 x 1.75P	1.30
19214	BT40 x SOM16 - 80	145.4	80	30	48.2	17	25	29.1	M16 x 2.0P	1.20
19214.1	BT40 x SOM16 - 80	145.4	80	30	48.2	17	30	34.1	M16 x 2.0P	1.20
19230	BT50 x SOM6 - 60	161.8	60	25	12.4	6.5	13	14.1	M6 x 1.0P	3.00
19232	BT50 x SOM8 - 60	161.8	60	25	12.4	8.5	15	16.1	M8 x 1.25P	3.00
19234	BT50 x SOM10 - 60	161.8	60	25	12.4	10.5	19	20.1	M10 x 1.5P	3.00
19236	BT50 x SOM12 - 70	171.8	70	31	22.4	12.5	21	22.9	M12 x 1.75P	3.00
19238	BT50 x SOM12 - 100	201.8	100	31	52.4	12.5	21	25.6	M12 x 1.75P	3.00
19240	BT50 x SOM16 - 80	181.8	80	30	32.4	17	25	27.7	M16 x 2.0P	3.00

МАШСЕРВИС

Features:

- ▶ For center coolant (DIN 69871-AD).

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

STR Cutting Tool	RG Cutting Tool	DM Cutting Tool	Extension Spacer	Pull Stud
				
P.W-75	P.W-76	P.W-77	P.W-78	P.W-60~61

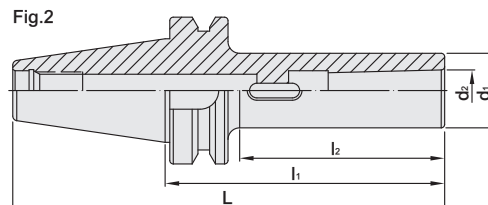
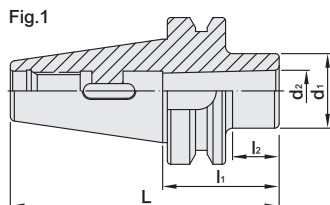


BT / MTA MORSE TAPER ADAPTER TANG TYPE

BT

BT / MTA 斜柄鑽頭套筒

(DIN 228-B)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	Fig	WEIGHT (KGS)
17001	BT30 x MTA1 - 45	93.4	45	20	25	12.065	1	0.50
17004	BT30 x MTA1 - 105	153.4	105	78	25	12.065	2	0.70
17006	BT30 x MTA2 - 60	108.4	60	35	32	17.78	1	0.54
17008	BT30 x MTA2 - 120	168.4	120	95	32	17.78	2	0.90
17010	BT30 x MTA3 - 80	128.4	80	56	40	23.825	1	0.72
17011	BT40 x MTA1 - 45	110.4	45	15	25	12.065	1	1.05
17013	BT40 x MTA1 - 120	185.4	120	83	25	12.065	2	1.32
17014	BT40 x MTA2 - 50	115.4	50	20	32	17.78	1	1.10
17017	BT40 x MTA2 - 120	185.4	120	88	32	17.78	2	1.42
17018	BT40 x MTA3 - 70	135.4	70	38	40	23.825	1	1.20
17021	BT40 x MTA3 - 135	200.4	135	102	40	23.825	2	1.70
17023	BT40 x MTA4 - 95	160.4	95	63	48	31.267	1	1.40
17025	BT40 x MTA4 - 165	230.4	165	133	48	31.267	2	2.50
17031	BT50 x MTA1 - 45	146.8	45	2	25	12.065	1	3.80
17033	BT50 x MTA1 - 120	221.8	120	74	25	12.065	2	4.30
17035	BT50 x MTA1 - 180	281.8	180	132	25	12.065	2	5.00
17036	BT50 x MTA2 - 60	161.8	60	17	32	17.78	1	4.00
17039	BT50 x MTA2 - 135	236.8	135	89	32	17.78	2	4.70
17041	BT50 x MTA2 - 180	281.8	180	132	32	17.78	2	5.00
17042	BT50 x MTA3 - 65	166.8	65	22	40	23.825	1	3.90
17046	BT50 x MTA3 - 150	251.8	150	107	40	23.825	2	5.00
17047	BT50 x MTA3 - 180	281.8	180	132	40	23.825	2	5.50
17048	BT50 x MTA4 - 95	196.8	95	52	48	31.267	1	4.20
17051	BT50 x MTA4 - 180	281.8	180	132	48	31.267	2	5.50
17053	BT50 x MTA5 - 105	206.8	105	62	63	44.399	1	4.30

Features:

- ▶ The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with Tang).

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud



P.W-60~61



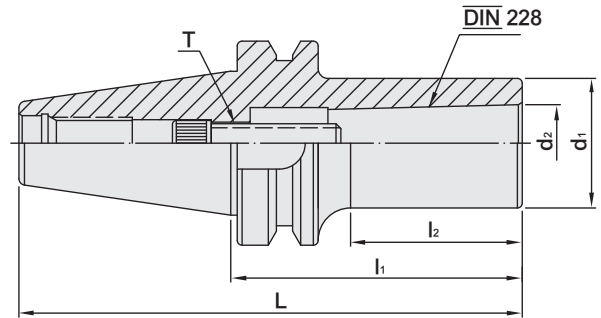
BT / MTB MORSE TAPER ADAPTER

DRAW BAR TYPE

BT

BT / MTB 斜柄鑽頭套筒

(DIN 6364)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T		WEIGHT (KGS)
17001 - B	BT30 x MTB1 - 45	93.4	45	20	25	12.065	M6 x 1.0P	1/4" - 20	0.55
17006 - B	BT30 x MTB2 - 60	108.4	60	36	32	17.78	M10 x 1.5P	3/8" - 16	0.60
17011 - B	BT40 x MTB1 - 45	110.4	45	13	25	12.065	M6 x 1.0P	1/4" - 20	1.10
17014 - B	BT40 x MTB2 - 45	110.4	45	13	32	17.78	M10 x 1.5P	3/8" - 16	1.10
17017 - B - 185	BT40 x MTB2 - 185	250.4	185	148	32	17.78	M10 x 1.5P	3/8" - 16	1.90
17018 - B	BT40 x MTB3 - 75	140.4	75	45	40	23.825	M12 x 1.75P	1/2" - 12	1.30
17019 - B	BT40 x MTB3 - 90	155.4	90	53	40	23.825	M12 x 1.75P	1/2" - 12	1.40
17020 - B	BT40 x MTB3 - 120	185.4	120	83	40	23.825	M12 x 1.75P	1/2" - 12	1.80
17021 - B - 180	BT40 x MTB3 - 180	245.4	180	143	40	23.825	M12 x 1.75P	1/2" - 12	2.40
17024 - B	BT40 x MTB4 - 100	165.4	100	67	48	31.267	M16 x 2.0P	5/8" - 11	1.60
17024 - B - 120	BT40 x MTB4 - 120	185.4	120	87	48	31.267	M16 x 2.0P	5/8" - 11	1.80
17024 - B - 180	BT40 x MTB4 - 180	245.4	180	147	48	31.267	M16 x 2.0P	5/8" - 11	2.60
17031 - B	BT50 x MTB1 - 45	146.8	45	6	25	12.065	M6 x 1.0P	1/4" - 20	3.80
17036 - B	BT50 x MTB2 - 45	146.8	45	5	32	17.78	M10 x 1.5P	3/8" - 16	3.90
17042 - B	BT50 x MTB3 - 60	161.8	60	12	40	23.825	M12 x 1.75P	1/2" - 12	3.90
17048 - B - 75	BT50 x MTB4 - 75	176.8	75	32	48	31.267	M16 x 2.0P	5/8" - 11	4.20
17053 - B - 120	BT50 x MTB5 - 120	221.8	120	77	63	44.399	M24 x 3.0P	1" - 8	4.30

Features:

- ▶ The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with Tang).
- ▶ Please confirm if you'd like to order thread in metric or inch size when making an order.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

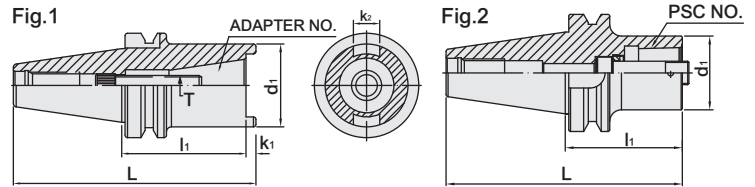


P.W-60~61



BT ADAPTER

BT 套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	k ₁	k ₂	T	MAX. TORQUE		Fig	WEIGHT (KGS)
									Nm	ft-lbs		
19710	BT40 x TSA30M - 75	#30	146.4	75	50	6	15.9	M12 x 1.75P	45	33	1	1.80
19712	BT40 x TSA30U - 75	#30	146.4	75	50	6	15.9	1/2" - 12	45	33	1	1.80
11.501.32.030	BT40 x PSC32 - 30	PSC32	95.4	30	32	-	-	M12 x 1.5P	45	33	2	1.60
11.501.40.030	BT40 x PSC40 - 30	PSC40	95.4	30	40	-	-	M14 x 1.5P	55	40	2	1.60
11.501.50.030	BT40 x PSC50 - 30	PSC50	95.4	30	50	-	-	M16 x 1.5P	95	70	2	1.60
11.501.63.075	BT40 x PSC63 - 75	PSC63	140.4	75	63	-	-	M20 x 2.0P	170	125	2	1.80
11.501.80.135	BT40 x PSC80 - 135	PSC80	200.4	135	80	-	-	M20 x 2.0P	170	125	2	3.78
19722	BT50 x TSA30M - 75	#30	182.8	75	50	6	15.9	M12 x 1.75P	45	33	1	5.00
19724	BT50 x TSA30U - 75	#30	182.8	75	85	6	15.9	1/2" - 12	45	33	1	5.00
19726	BT50 x TSA40M - 75	#40	184.8	75	85	8	15.9	M16 x 2.0P	55	40	1	4.60
19728	BT50 x TSA40U - 75	#40	184.8	75	85	8	15.9	5/8" - 11	55	40	1	4.60
12.501.32.040	BT50 x PSC32 - 40	PSC32	141.8	40	32	-	-	M12 x 1.5P	45	33	2	4.60
12.501.40.040	BT50 x PSC40 - 40	PSC40	141.8	40	40	-	-	M14 x 1.5P	55	40	2	4.60
12.501.50.040	BT50 x PSC50 - 40	PSC50	141.8	40	50	-	-	M16 x 1.5P	95	70	2	4.60
12.501.63.100	BT50 x PSC63 - 100	PSC63	201.8	100	63	-	-	M20 x 2.0P	170	125	2	5.00
12.501.63.150	BT50 x PSC63 - 150	PSC63	251.8	150	63	-	-	M20 x 2.0P	170	125	2	5.93
12.501.63.200	BT50 x PSC63 - 200	PSC63	301.8	200	63	-	-	M20 x 2.0P	170	125	2	6.99
12.501.63.250	BT50 x PSC63 - 250	PSC63	351.8	250	63	-	-	M20 x 2.0P	170	125	2	8.06
12.501.63.300	BT50 x PSC63 - 300	PSC63	401.8	300	63	-	-	M20 x 2.0P	170	125	2	8.91
12.501.80.070	BT50 x PSC80 - 70	PSC80	171.8	70	80	-	-	M20 x 2.0P	170	125	2	3.86
12.501.80.120	BT50 x PSC80 - 120	PSC80	221.8	120	80	-	-	M20 x 2.0P	170	125	2	5.67

Pull Stud

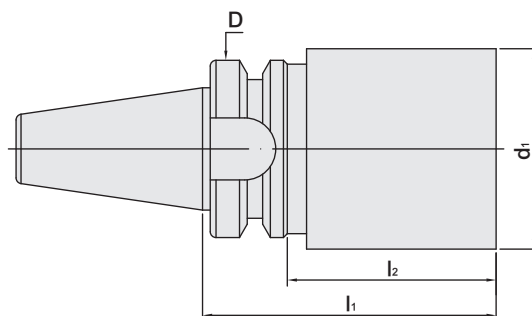


P.W-60~61



BT BLANK

BT 素材



MODEL NO.	TYPE	D	d ₁	l ₁	l ₂	WEIGHT (KGS)
11.001.40.5.160	BT40 x ϕ 40.5 - 160	63	40.5	160	133	2.30
11.001.63.5.160	BT40 x ϕ 63.5 - 160	63	63.5	160	133	4.21
11.001.63.5.250	BT40 x ϕ 63.5 - 250	63	63.5	250	223	6.41
12.001.50.300	BT50 x ϕ 50 - 300	100	50	300	262	7.53
12.001.80.160	BT50 x ϕ 80 - 160	100	80	160	122	8.29
12.001.80.200	BT50 x ϕ 80 - 200	100	80	200	162	9.84
12.001.80.300	BT50 x ϕ 80 - 300	100	80	300	262	13.71

МАШСЕРВИС

Pull Stud



P.W-60~61



CAT CATEGORY

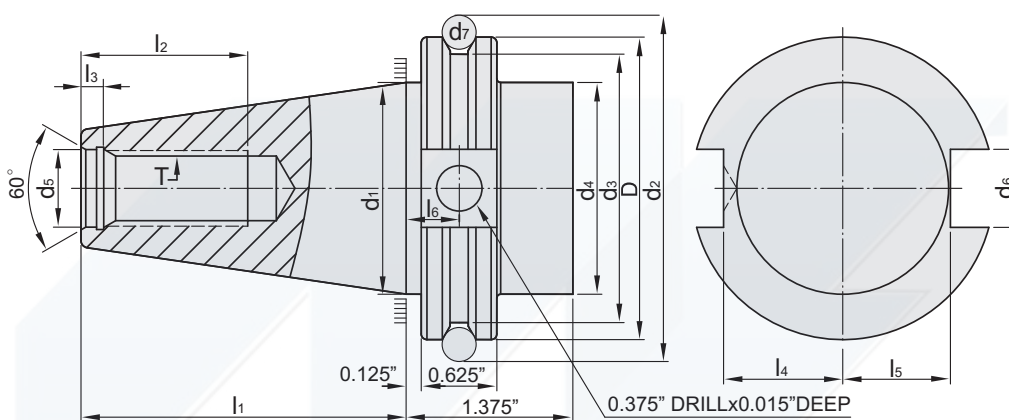
ANSI B5.50

PNER COLLET CHUCK	B-3
UT COLLET CHUCK	B-4
ER COLLET CHUCK	B-5~6
ER COLLET CHUCK [M TYPE]	B-7
SK3 COLLET CHUCK	B-8
SKS COLLET CHUCK	B-9
SBL SLIM-FIT COLLET CHUCK	B-10
SBLC SLIM-FIT COLLET CHUCK	B-11
EBL SLIM-FIT COLLET CHUCK	B-12
MLD MULTI-LOCK MILLING CHUCK	B-13
EOC COLLET CHUCK	B-14
TG COLLET CHUCK	B-15
SLN SIDE LOCK END MILL HOLDER	B-16
FACE MILL ARBOR	B-17
SPH DRILL CHUCK ADAPTER	B-18
SPU DRILL CHUCK ADAPTER	B-19
DRILL CHUCK ARBOR	B-20
EXPANSION ER TAPPER	B-21
SIDE LOCK OIL HOLE HOLDER	B-22
OHER OIL HOLE COLLET CHUCK	B-23
SOM SCREWED END MILL HOLDER	B-24
MORSE TAPER ADAPTER	B-25
ADAPTER	B-26
BLANK	B-27

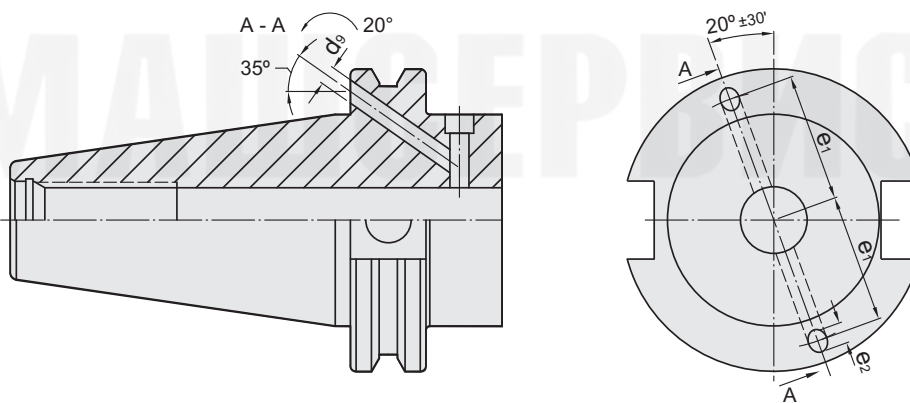
REFERENCE DETAILS

- ▶ Shank body standard : **ANSI B5.50**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.

ANSI B5.50/CAT A



ANSI B5.50/CAT AD+B



INCHES

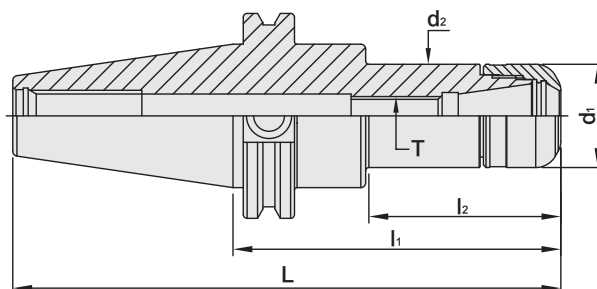
CAT	D ±0.002	d ₁	d ₂ ±0.002	d ₃ ±0.01	d ₄ ±0.005	d ₅ +0.015 0	d ₆ ±0.01	d ₇	d ₉
30	1.812	1.250	2.176	1.531	1.250	0.516	0.645	0.2813	-
40	2.500	1.750	2.863	2.219	1.750	0.641	0.645	0.2813	0.157
45	3.250	2.250	3.613	2.969	2.250	0.766	0.770	0.2813	-
50	3.875	2.750	4.238	3.594	2.750	1.031	1.020	0.2813	0.236
CAT	l ₁ ±0.005	l ₂ min	l ₃ ±0.01	l ₄ +0 -0.015	l ₅ +0 -0.015	e ₁ ±0.1	e ₂ MAX	T UNC 2B	
30	1.875	1.00	0.188	0.735	0.640	-	-	1/2" - 13	
40	2.687	1.12	0.188	0.985	0.890	1.063	0.199	5/8" - 11	
45	3.250	1.50	0.188	1.235	1.140	-	-	3/4" - 10	
50	4.000	1.75	0.250	1.485	1.390	1.654	0.276	1" - 8	



CAT / PNER COLLET CHUCK



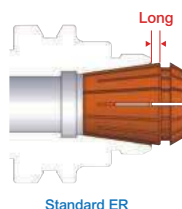
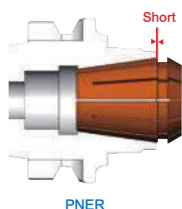
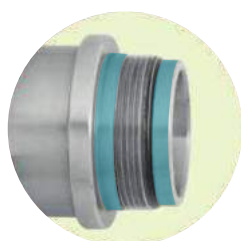
CAT / PNER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO.Nr.202015005621

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
26714	CAT40 x PNER16 - 2.5"	5.187	2.5	1.06	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.05
26716	CAT40 x PNER16 - 4"	6.687	4	2.43	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.35
26716 - 5	CAT40 x PNER16 - 5"	7.687	5	3.43	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.65
26718	CAT40 x PNER20 - 3"	5.687	3	1.5	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	1.25
26720	CAT40 x PNER20 - 4"	6.687	4	2.5	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	1.65
26724	CAT40 x PNER25 - 4"	6.687	4	2.54	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	1.85
26726	CAT40 x PNER32 - 3"	5.687	3	1.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.16
26728	CAT40 x PNER32 - 4"	6.687	4	2.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.50
26728 - 5	CAT40 x PNER32 - 5"	7.687	5	3.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.75
26728 - 6	CAT40 x PNER32 - 6"	8.687	6	4.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	2.15
26732	CAT40 x PNER40 - 4"	6.687	4	2.26	2.48	2.48	M20 x 2.0P	0.25 ~ 1	1.80
26736	CAT50 x PNER16 - 4"	8	4	2.03	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	4.05
26738	CAT50 x PNER16 - 6"	10	6	4.03	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	4.40
26740	CAT50 x PNER20 - 4"	8	4	2.14	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	4.20
26742	CAT50 x PNER20 - 6"	10	6	4.14	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	4.45
26744	CAT50 x PNER25 - 4"	8	4	2.38	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	4.15
26746	CAT50 x PNER25 - 6"	10	6	4.38	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	4.50
26748	CAT50 x PNER32 - 4"	8	4	2.42	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	4.35
26750	CAT50 x PNER32 - 6"	10	6	4.42	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	4.60
26752	CAT50 x PNER40 - 4"	8	4	2.48	2.48	2.48	M20 x 2.0P	0.25 ~ 1	5.26
26754	CAT50 x PNER40 - 6"	10	6	4.48	2.48	2.48	M20 x 2.0P	0.25 ~ 1	6.36



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-62	P.W-88	P.W-68~73



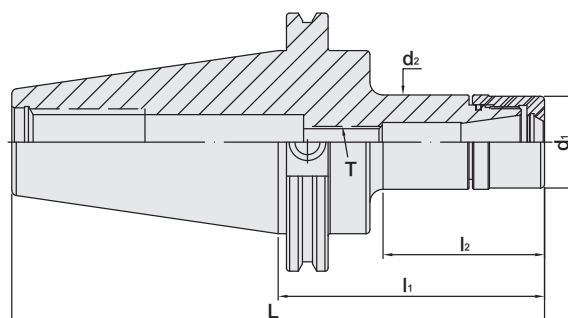
CAT / UT COLLET CHUCK



CAT / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
31.753.16.300	CAT40 x UT16 - 3"	5.687	3	1.583	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.14
31.753.16.400	CAT40 x UT16 - 4"	6.687	4	2.175	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.27
31.753.16.600	CAT40 x UT16 - 6"	8.687	6	4.175	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.49
31.753.20.300	CAT40 x UT20 - 3"	5.687	3	1.583	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.18
31.753.20.400	CAT40 x UT20 - 4"	6.687	4	2.374	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.36
31.753.20.600	CAT40 x UT20 - 6"	8.687	6	4.374	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.70
31.753.25.300	CAT40 x UT25 - 3"	5.687	3	1.574	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	1.22
31.753.25.400	CAT40 x UT25 - 4"	6.687	4	2.546	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	1.46
31.753.25.600	CAT40 x UT25 - 6"	8.687	6	4.546	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	1.94
31.753.32.300	CAT40 x UT32 - 3"	5.687	3	1.622	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	1.22
31.753.32.400	CAT40 x UT32 - 4"	6.687	4	2.622	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	1.54
31.753.32.600	CAT40 x UT32 - 6"	8.687	6	4.622	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	2.19
32.753.16.300	CAT50 x UT16 - 3"	7	3	1.425	1.18	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.15
32.753.16.400	CAT50 x UT16 - 4"	8	4	2.228	1.18	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.23
32.753.16.600	CAT50 x UT16 - 6"	10	6	4.065	1.18	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.55
32.753.20.300	CAT50 x UT20 - 3"	7	3	1.504	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.21
32.753.20.400	CAT50 x UT20 - 4"	8	4	2.425	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.35
32.753.20.600	CAT50 x UT20 - 6"	10	6	4.228	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.68
32.753.25.300	CAT50 x UT25 - 3"	7	3	1.504	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	3.25
32.753.25.400	CAT50 x UT25 - 4"	8	4	2.425	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	3.46
32.753.25.600	CAT50 x UT25 - 6"	10	6	4.425	1.653	1.653	M16 x 2.0P	0.0625 ~ 0.625	3.87
32.753.32.300	CAT50 x UT32 - 3"	7	3	1.504	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	3.27
32.753.32.400	CAT50 x UT32 - 4"	8	4	2.425	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	3.56
32.753.32.600	CAT50 x UT32 - 6"	10	6	4.425	1.890	1.890	M16 x 2.0P	0.125 ~ 0.75	4.13

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-62	P.W-88	P.W-68~73

CAT / ER COLLET CHUCK

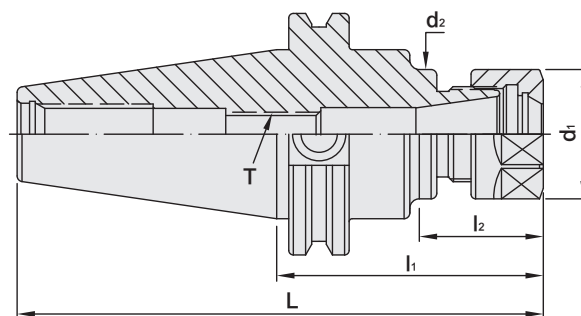


CAT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
22224	CAT40 x ER16A - 2"	4.687	2	1.211	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.00
22225	CAT40 x ER16A - 2.76"	5.442	2.76	1.280	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.05
22227	CAT40 x ER16A - 4"	6.687	4	2.135	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.35
22231	CAT40 x ER16A - 6"	8.687	6	4.135	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.65
22233	CAT40 x ER16A - 8"	10.687	8	6.135	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.85
22235	CAT40 x ER20A - 2.76"	5.442	2.76	1.280	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	1.25
22237	CAT40 x ER20A - 4"	6.687	4	2.367	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	1.65
22239	CAT40 x ER20A - 6"	8.687	6	4.334	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	1.85
22243	CAT40 x ER25 - 2.76"	5.442	2.76	1.379	1.654	1.75	M16 x 2.0P	0.0625 ~ 0.625	1.35
22245	CAT40 x ER25 - 4"	6.687	4	2.573	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	1.70
22247	CAT40 x ER25 - 6"	8.687	6	4.622	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	2.25
22251	CAT40 x ER25 - 8"	10.687	8	6.622	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	2.55
22253	CAT40 x ER32 - 2.76"	5.442	2.76	1.379	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.16
22254	CAT40 x ER32 - 3"	5.687	3	1.622	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.50
22255	CAT40 x ER32 - 4"	6.687	4	2.622	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.75
22257	CAT40 x ER32 - 6"	8.687	6	4.622	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	2.15
22259	CAT40 x ER32 - 8"	10.687	8	6.622	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	2.70
22261	CAT40 x ER40 - 3.15"	5.837	3.15	1.772	2.48	1.75	M20 x 2.0P	0.125 ~ 1	1.25
22263	CAT40 x ER40 - 4"	6.687	4	2.543	2.48	2.36	M20 x 2.0P	0.125 ~ 1	1.80
22265	CAT40 x ER40 - 6"	8.687	6	4.543	2.48	2.36	M20 x 2.0P	0.125 ~ 1	2.90
22269	CAT40 x ER50 - 4"	6.687	4	2.543	3.07	2.523	M24 x 2.0P	0.25 ~ 1.25	2.65

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-88	P.W-68~71



CAT / ER COLLET CHUCK

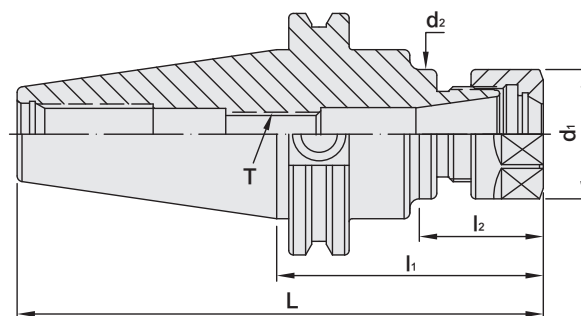


CAT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
22280	CAT50 x ER16A - 3"	7	3	1.425	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.05
22281	CAT50 x ER16A - 4"	8	4	2.065	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.20
22283	CAT50 x ER16A - 5"	9	5	3.065	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.30
22285	CAT50 x ER16A - 6"	10	6	4.289	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.40
22287	CAT50 x ER16A - 8"	12	8	6.147	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.50
22291	CAT50 x ER20A - 4"	8	4	2.065	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.20
22293	CAT50 x ER20A - 6"	10	6	4.146	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.45
22295	CAT50 x ER20A - 8"	12	8	6.065	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.60
22303	CAT50 x ER25 - 4"	8	4	2.453	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.15
22305	CAT50 x ER25 - 6"	10	6	3.913	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.50
22307	CAT50 x ER25 - 8"	12	8	5.91	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.70
22311	CAT50 x ER32 - 4"	8	4	2.149	1.969	1.97	M16 x 2.0P	0.125 ~ 0.75	4.35
22313	CAT50 x ER32 - 6"	10	6	4.152	1.969	1.97	M16 x 2.0P	0.125 ~ 0.75	4.60
22317	CAT50 x ER32 - 8"	12	8	6.068	1.969	1.97	M16 x 2.0P	0.125 ~ 0.75	4.90
22321	CAT50 x ER40 - 4"	8	4	2.347	2.48	2.36	M20 x 2.0P	0.125 ~ 1	5.26
22325	CAT50 x ER40 - 6"	10	6	4.431	2.48	2.36	M20 x 2.0P	0.125 ~ 1	6.36
22327	CAT50 x ER40 - 8"	12	8	6.428	2.48	2.36	M20 x 2.0P	0.125 ~ 1	5.10
22331	CAT50 x ER50 - 4"	8	4	2.622	3.07	2.75	M24 x 2.0P	0.25 ~ 1.25	4.85
22335	CAT50 x ER50 - 6"	10	6	4.622	3.07	2.75	M24 x 2.0P	0.25 ~ 1.25	5.55

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-88	P.W-68~71

CAT / ER COLLET CHUCK

M TYPE

CAT

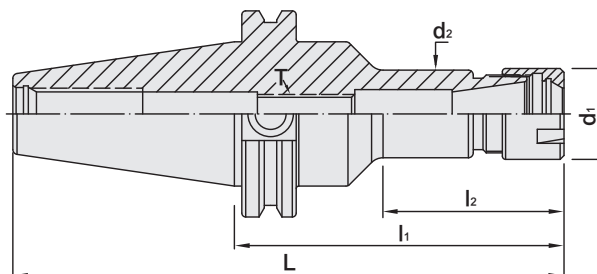


M 型 CAT / ER 立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
22352	CAT40 x ER11M - 2.75"	5.437	2.75	1.175	0.63	0.59	M6 x 1.0P	0.062 ~ 0.281	1.10
22354	CAT40 x ER11M - 4"	6.687	4	2.228	0.63	0.59	M6 x 1.0P	0.062 ~ 0.281	1.20
22356	CAT40 x ER16M - 2.76"	5.447	2.76	1.323	0.87	0.83	M10 x 1.5P	0.0156 ~ 0.375	1.20
22358	CAT40 x ER16M - 4"	6.687	4	2.425	0.87	0.83	M10 x 1.5P	0.0156 ~ 0.375	1.30
22360	CAT40 x ER20M - 2.76"	5.447	2.76	1.323	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	1.20
22362	CAT40 x ER20M - 4"	6.687	4	2.196	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	1.50
22364	CAT50 x ER16M - 4"	8	4	1.927	0.87	0.83	M10 x 1.5P	0.0156 ~ 0.375	3.90
22366	CAT50 x ER16M - 6"	10	6	4.008	0.87	0.83	M10 x 1.5P	0.0156 ~ 0.375	4.00
22368	CAT50 x ER20M - 4"	8	4	2.127	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	4.20
22370	CAT50 x ER20M - 6"	10	6	4.127	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	5.20

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

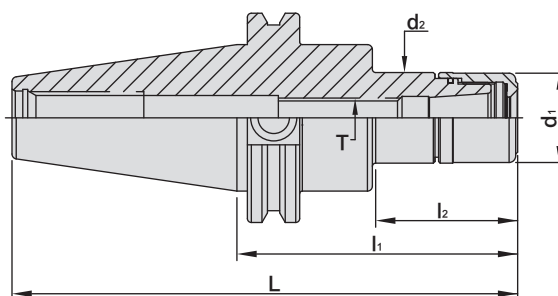
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-62	P.W-88	P.W-68~71



CAT / SK3 COLLET CHUCK

5 μ m

CAT / SK3 高速機專用夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
31.763.06.350	CAT40 x SK306 - 3.5"	6.187	3.5	1.438	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	1.05
31.763.06.400	CAT40 x SK306 - 4"	6.687	4	1.938	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	1.65
31.763.10.350	CAT40 x SK310 - 3.5"	6.187	3.5	1.627	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	1.05
31.763.10.400	CAT40 x SK310 - 4"	6.687	4	2.127	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	1.65
31.763.13.350	CAT40 x SK313 - 3.5"	6.187	3.5	2.004	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.05
31.763.13.400	CAT40 x SK313 - 4"	6.687	4	2.504	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.65
31.763.16.350	CAT40 x SK316 - 3.5"	6.187	3.5	2.034	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	1.35
31.763.16.400	CAT40 x SK316 - 4"	6.687	4	2.534	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	2.10
32.763.06.350	CAT50 x SK306 - 3.5"	7.5	3.5	1.728	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	3.60
32.763.06.400	CAT50 x SK306 - 4"	8	4	2.228	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	4.00
32.763.10.400	CAT50 x SK310 - 4"	8	4	2.562	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	3.80
32.763.10.450	CAT50 x SK310 - 4.5"	8.5	4.5	2.115	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	4.00
32.763.13.400	CAT50 x SK313 - 4"	8	4	2.425	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	3.80
32.763.13.450	CAT50 x SK313 - 4.5"	8.5	4.5	2.925	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	4.00
32.763.16.400	CAT50 x SK316 - 4"	8	4	1.871	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.00
32.763.16.450	CAT50 x SK316 - 4.5"	8.5	4.5	2.371	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.15

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

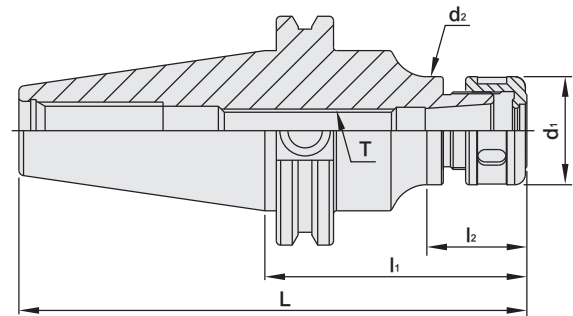
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
				
P.W-29~32	P.W-52	P.W-62	P.W-88	P.W-68~73

CAT / SKS COLLET CHUCK

5 μ m

CAT / SKS 高速機專用夾頭



T W PAT NO. M270871

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
23712	CAT40 x SKS6 - 3.5"	6.187	3.5	1.594	0.708	0.708	M8 x 1.25P	0.0625 ~ 0.1875	1.05
23714	CAT40 x SKS6 - 4"	6.687	4	2.094	0.708	0.708	M8 x 1.25P	0.0625 ~ 0.1875	1.65
23716	CAT40 x SKS10 - 3.5"	6.187	3.5	1.703	1.181	1.086	M12 x 1.75P	0.125 ~ 0.375	1.05
23718	CAT40 x SKS10 - 4"	6.687	4	2.203	1.181	1.086	M12 x 1.75P	0.125 ~ 0.375	1.65
23720	CAT40 x SKS13 - 3.5"	6.187	3.5	2.004	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.05
23720 - 4	CAT40 x SKS13 - 4"	6.687	4	2.504	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.65
23722	CAT40 x SKS16 - 3.5"	6.187	3.5	2.034	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	1.35
23724	CAT40 x SKS16 - 4"	6.687	4	2.534	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	2.10
23726	CAT40 x SKS20 - 3.5"	6.187	3.5	2.042	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	1.35
23726 - 4	CAT40 x SKS20 - 4"	6.687	4	2.542	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	2.10
23732	CAT40 x SKS25 - 3.5"	6.187	3.5	2.122	2.165	2.165	M28 x 2.0P	0.125 ~ 1	1.35
23734	CAT40 x SKS25 - 4"	6.687	4	2.622	2.165	2.165	M28 x 2.0P	0.125 ~ 1	2.20
23742	CAT50 x SKS6 - 3.5"	7.5	3.5	1.728	0.708	0.708	M8 x 1.25P	0.0625 ~ 0.1875	3.60
23744	CAT50 x SKS6 - 4"	8	4	2.228	0.708	0.708	M8 x 1.25P	0.0625 ~ 0.1875	4.00
23746	CAT50 x SKS10 - 4"	8	4	2.228	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	3.80
23748	CAT50 x SKS10 - 4.5"	8.5	4.5	2.408	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.00
23750	CAT50 x SKS13 - 4"	8	4	2.425	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	3.80
23750 - 4.5	CAT50 x SKS13 - 4.5"	8.5	4.5	2.925	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	4.00
23752	CAT50 x SKS16 - 4"	8	4	2.056	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.00
23754	CAT50 x SKS16 - 4.5"	8.5	4.5	2.556	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.15
23756	CAT50 x SKS20 - 4"	8	4	2.504	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	4.00
23756 - 4.5	CAT50 x SKS20 - 4.5"	8.5	4.5	3.004	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	4.15
23762	CAT50 x SKS25 - 4"	8	4	2.167	2.165	2.165	M28 x 2.0P	0.125 ~ 1	4.20
23764	CAT50 x SKS25 - 4.5"	8.5	4.5	2.667	2.165	2.165	M28 x 2.0P	0.125 ~ 1	4.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

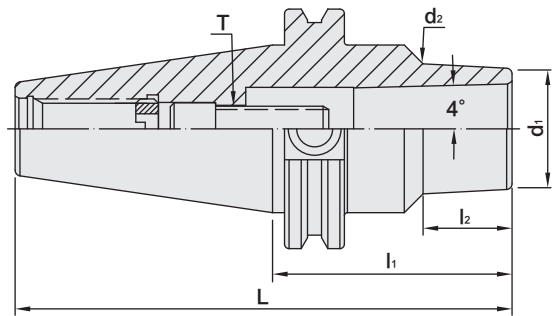
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-62	P.W-88	P.W-68~73



CAT / SBL SLIM-FIT COLLET CHUCK

CAT / SBL 後拉式立銑刀夾頭







T.W. PAT. NO. M274178

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
23654	CAT40 x SBL6 - 3"	5.687	3	1.09	0.55	0.64	M6 x 1.0P	12	9	0.125 ~ 0.25	1.00
23656	CAT40 x SBL6 - 4"	6.687	4	2.11	0.55	0.73	M6 x 1.0P	12	9	0.125 ~ 0.25	1.25
23658	CAT40 x SBL6 - 6"	8.687	6	4.17	0.55	0.91	M6 x 1.0P	12	9	0.125 ~ 0.25	1.20
23659 - 4	CAT40 x SBL8 - 4"	6.687	4	2.43	0.787	1.03	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.13
23659 - 5	CAT40 x SBL8 - 5"	7.687	5	3.43	0.787	1.14	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.24
23659 - 6	CAT40 x SBL8 - 6"	8.687	6	4.43	0.787	1.25	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.39
23660	CAT40 x SBL12 - 2.5"	5.187	2.5	0.82	1.02	1.15	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
23662	CAT40 x SBL12 - 4"	6.687	4	2.23	1.02	1.25	M10 x 1.5P	45	33	0.125 ~ 0.5	1.20
23664	CAT40 x SBL12 - 6"	8.687	6	4.49	1.02	1.49	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
23666	CAT40 x SBL20 - 2.5"	5.187	2.5	0.97	1.38	1.46	M12 x 1.75P	60	44	0.125 ~ 0.75	1.20
23668	CAT40 x SBL20 - 4"	6.687	4	2.54	1.37	1.6	M12 x 1.75P	60	44	0.125 ~ 0.75	1.60
23670	CAT40 x SBL20 - 6"	8.687	6	4.26	1.37	-	M12 x 1.75P	60	44	0.125 ~ 0.75	1.50
23671	CAT40 x SBL25 - 3.25"	5.937	3.25	1.86	1.57	1.73	M16 x 2.0P	90	66	0.125 ~ 1	1.40
23671 - 4	CAT40 x SBL25 - 4"	6.687	4	2.61	1.57	1.75	M16 x 2.0P	90	66	0.125 ~ 1	1.60
23672	CAT50 x SBL6 - 3.5"	7.5	3.5	1.56	0.55	0.71	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
23674	CAT50 x SBL6 - 4.5"	8.5	4.5	2.37	0.55	0.8	M6 x 1.0P	12	9	0.125 ~ 0.25	1.50
23676	CAT50 x SBL6 - 6"	10	6	3.96	0.55	0.96	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
23677 - 4	CAT50 x SBL8 - 4"	8	4	2.24	0.787	1.01	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.23
23677 - 5	CAT50 x SBL8 - 5"	9	5	3.25	0.787	1.12	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.36
23677 - 6	CAT50 x SBL8 - 6"	10	6	4.24	0.787	1.23	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.51
23678	CAT50 x SBL12 - 2.5"	6.5	2.5	0.93	1.02	1.11	M10 x 1.5P	45	33	0.125 ~ 0.5	4.00
23680	CAT50 x SBL12 - 4.5"	8.5	4.5	2.74	1.02	1.26	M10 x 1.5P	45	33	0.125 ~ 0.5	4.10
23682	CAT50 x SBL12 - 6"	10	6	4.24	1.02	1.39	M10 x 1.5P	45	33	0.125 ~ 0.5	4.20
23684	CAT50 x SBL20 - 2.5"	6.5	2.5	0.74	1.37	1.44	M12 x 1.75P	60	44	0.125 ~ 0.75	4.30
23686	CAT50 x SBL20 - 4.5"	8.5	4.5	2.74	1.37	1.61	M12 x 1.75P	60	44	0.125 ~ 0.75	4.60
23688	CAT50 x SBL20 - 6"	10	6	4.11	1.37	1.73	M12 x 1.75P	60	44	0.125 ~ 0.75	4.70
23690	CAT50 x SBL25 - 2.75"	6.75	2.75	1.33	1.57	1.69	M16 x 2.0P	90	66	0.125 ~ 1	4.40
23692	CAT50 x SBL25 - 4.5"	8.5	4.5	3.06	1.57	1.84	M16 x 2.0P	90	66	0.125 ~ 1	4.60

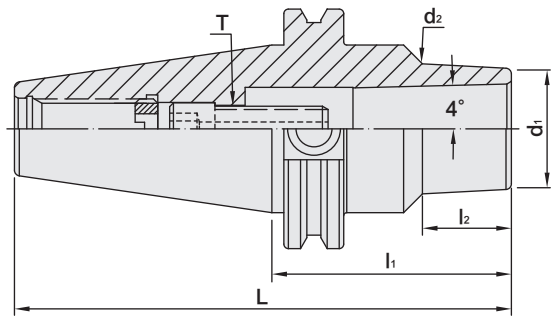
Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Collet	Pull Stud	Screw	Spanner
			
P.W-33	P.W-62	P.W-91	P.W-72

CAT / SBLC SLIM-FIT COLLET CHUCK

CAT / SBLC 後拉式立銑刀夾頭



T W PAT NO. M274178

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
23654C	CAT40 x SBLC6 - 3"	5.687	3	1.09	0.55	0.64	M6 x 1.0P	12	9	0.125 ~ 0.25	1.00
23656C	CAT40 x SBLC6 - 4"	6.687	4	2.11	0.55	0.73	M6 x 1.0P	12	9	0.125 ~ 0.25	1.25
23658C	CAT40 x SBLC6 - 6"	8.687	6	4.17	0.55	0.91	M6 x 1.0P	12	9	0.125 ~ 0.25	1.20
23659C - 4	CAT40 x SBLC8 - 4"	6.687	4	2.43	0.787	1.03	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.13
23659C - 5	CAT40 x SBLC8 - 5"	7.687	5	3.43	0.787	1.14	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.24
23659C - 6	CAT40 x SBLC8 - 6"	8.687	6	4.43	0.787	1.25	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.39
23660C	CAT40 x SBLC12 - 2.5"	5.187	2.5	0.82	1.02	1.15	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
23662C	CAT40 x SBLC12 - 4"	6.687	4	2.23	1.02	1.25	M10 x 1.5P	45	33	0.125 ~ 0.5	1.20
23664C	CAT40 x SBLC12 - 6"	8.687	6	4.49	1.02	1.49	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
23666C	CAT40 x SBLC20 - 2.5"	5.187	2.5	0.97	1.38	1.46	M12 x 1.75P	60	44	0.125 ~ 0.75	1.20
23668C	CAT40 x SBLC20 - 4"	6.687	4	2.54	1.37	1.6	M12 x 1.75P	60	44	0.125 ~ 0.75	1.60
23670C	CAT40 x SBLC20 - 6"	8.687	6	4.26	1.37	-	M12 x 1.75P	60	44	0.125 ~ 0.75	1.50
23671C	CAT40 x SBLC25 - 3.25"	5.937	3.25	1.86	1.57	1.73	M16 x 2.0P	90	66	0.125 ~ 1	1.40
23671C - 4	CAT40 x SBLC25 - 4"	6.687	4	2.61	1.57	1.75	M16 x 2.0P	90	66	0.125 ~ 1	1.60
23672C	CAT50 x SBLC6 - 3.5"	7.5	3.5	1.56	0.55	0.71	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
23674C	CAT50 x SBLC6 - 4.5"	8.5	4.5	2.37	0.55	0.8	M6 x 1.0P	12	9	0.125 ~ 0.25	1.50
23676C	CAT50 x SBLC6 - 6"	10	6	3.96	0.55	0.96	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
23677C - 4	CAT50 x SBLC8 - 4"	8	4	2.24	0.787	1.01	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.23
23677C - 5	CAT50 x SBLC8 - 5"	9	5	3.25	0.787	1.12	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.36
23677C - 6	CAT50 x SBLC8 - 6"	10	6	4.24	0.787	1.23	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.51
23678C	CAT50 x SBLC12 - 2.5"	6.5	2.5	0.93	1.02	1.11	M10 x 1.5P	45	33	0.125 ~ 0.5	4.00
23680C	CAT50 x SBLC12 - 4.5"	8.5	4.5	2.74	1.02	1.26	M10 x 1.5P	45	33	0.125 ~ 0.5	4.10
23682C	CAT50 x SBLC12 - 6"	10	6	4.24	1.02	1.39	M10 x 1.5P	45	33	0.125 ~ 0.5	4.20
23684C	CAT50 x SBLC20 - 2.5"	6.5	2.5	0.74	1.37	1.44	M12 x 1.75P	60	44	0.125 ~ 0.75	4.30
23686C	CAT50 x SBLC20 - 4.5"	8.5	4.5	2.74	1.37	1.61	M12 x 1.75P	60	44	0.125 ~ 0.75	4.60
23688C	CAT50 x SBLC20 - 6"	10	6	4.11	1.37	1.73	M12 x 1.75P	60	44	0.125 ~ 0.75	4.70
23690C	CAT50 x SBLC25 - 2.75"	6.75	2.75	1.33	1.57	1.69	M16 x 2.0P	90	66	0.125 ~ 1	4.40
23692C	CAT50 x SBLC25 - 4.5"	8.5	4.5	3.06	1.57	1.84	M16 x 2.0P	90	66	0.125 ~ 1	4.60

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

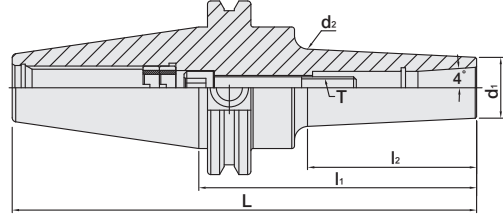
Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-62	P.W-91	P.W-72



CAT / EBL SLIM-FIT COLLET CHUCK

CAT / EBL 後拉式刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
26922	CAT40 x EBL6 - 3"	5.687	3	1.43	0.75	0.89	M6 x 1.0P	12	9	0.125 ~ 0.25	1.10
26922 - 4	CAT40 x EBL6 - 4"	6.687	4	2.43	0.75	0.98	M6 x 1.0P	12	9	0.125 ~ 0.25	1.19
26922 - 6	CAT40 x EBL6 - 6"	8.687	6	4.43	0.75	1.18	M6 x 1.0P	12	9	0.125 ~ 0.25	1.42
26924 - 3	CAT40 x EBL8 - 3"	5.687	3	1.43	0.875	1.01	M8 x 1.25P	29	21	0.125 ~ 0.375	1.08
26924 - 4	CAT40 x EBL8 - 4"	6.687	4	2.43	0.875	1.11	M8 x 1.25P	29	21	0.125 ~ 0.375	1.23
26924 - 6	CAT40 x EBL8 - 6"	8.687	6	4.50	0.875	1.31	M8 x 1.25P	29	21	0.125 ~ 0.375	1.46
26932	CAT50 x EBL6 - 3"	7	3	1.24	0.75	0.87	M6 x 1.0P	12	9	0.125 ~ 0.25	3.19
26932 - 4	CAT50 x EBL6 - 4"	8	4	2.24	0.75	0.9	M6 x 1.0P	12	9	0.125 ~ 0.25	3.21
26932 - 6	CAT50 x EBL6 - 6"	10	6	4.24	0.75	1.16	M6 x 1.0P	12	9	0.125 ~ 0.25	3.49
26934 - 3	CAT50 x EBL8 - 3"	7	3	1.24	0.875	0.96	M8 x 1.25P	29	21	0.125 ~ 0.375	3.16
26934 - 4	CAT50 x EBL8 - 4"	8	4	2.24	0.875	1.092	M8 x 1.25P	29	21	0.125 ~ 0.375	3.23
26934 - 6	CAT50 x EBL8 - 6"	10	6	4.24	0.875	1.29	M8 x 1.25P	29	21	0.125 ~ 0.375	3.49

МАШСЕРВИС



▶ SBL



▶ EBL





Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
			
P.W-35	P.W-36	P.W-62	P.72

CAT / MLD MULTI - LOCK MILLING CHUCK

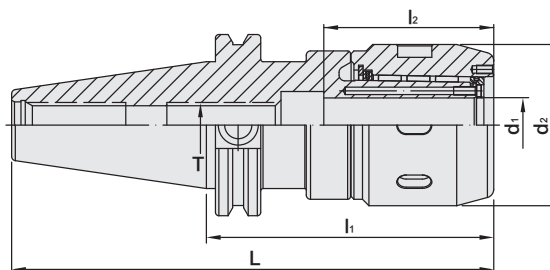
CAT / MLD 直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
23200G	CAT40 x MLD1/2" - 3.35"	6.03	3.35	1.84	0.5	1.654	M12 x 1.75P	1.80
23201G	CAT40 x MLD5/8" - 3.5"	6.187	3.5	2.23	0.625	1.889	M12 x 1.75P	1.90
23202G	CAT40 x MLD3/4" - 4"	6.687	4	2.34	0.75	2.224	5/8" - 11	1.90
23203G	CAT40 x MLD3/4" - 6"	8.687	6	2.34	0.75	2.224	5/8" - 11	2.10
23204G	CAT40 x MLD1" - 4"	6.687	4	2.49	1	2.362	5/8" - 11	2.00
23210G	CAT40 x MLD1-1/4" - 4.2"	6.687	4.2	2.8	1.25	2.795	5/8" - 11	2.50
23212G	CAT40 x MLD1-1/4" - 6"	8.687	6	2.8	1.25	2.795	5/8" - 11	2.70
23213G	CAT50 x MLD1/2" - 3.5"	7.5	3.5	1.84	0.5	1.654	M12 x 1.75P	2.50
23219G	CAT50 x MLD5/8" - 3.5"	7.5	3.5	2.23	0.625	1.889	M12 x 1.75P	2.70
23214G	CAT50 x MLD3/4" - 4"	8	4	2.34	0.75	2.224	5/8" - 11	2.50
23216G	CAT50 x MLD3/4" - 6"	10	6	2.34	0.75	2.224	5/8" - 11	2.80
23218G	CAT50 x MLD1" - 4"	8	4	2.49	1	2.362	5/8" - 11	2.90
23222G	CAT50 x MLD1-1/4" - 4.13"	8.13	4.13	2.8	1.25	2.795	1" - 8	2.70
23224G	CAT50 x MLD1-1/4" - 6"	10	6	2.8	1.25	2.795	5/8" - 11	3.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance of the cutting tool shank must be less than h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-62	P.W-88	P.W-71~72	P.W-73



CAT / EOC COLLET CHUCK

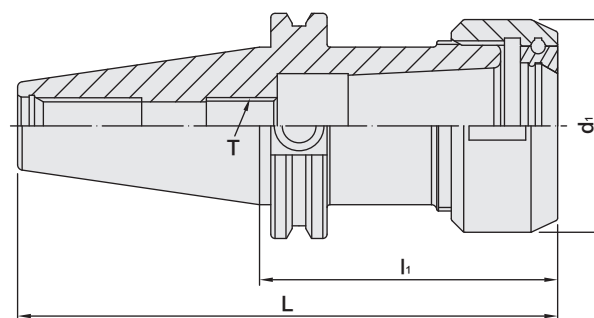


CAT / EOC 立銑刀夾頭

(DIN ISO 10897)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	d ₁	T	SIZE RANGE	WEIGHT (KGS)
22011	CAT40 x EOC25 - 3.15"	5.837	3.15	2.362	M16 x 2.0P	0.125 ~ 1	1.55
22013	CAT40 x EOC25 - 4"	6.687	4	2.362	M16 x 2.0P	0.125 ~ 1	2.55
22015	CAT40 x EOC32 - 3.15"	5.837	3.15	2.835	M16 x 2.0P	0.1875 ~ 1.25	1.95
22017	CAT40 x EOC32 - 4"	6.687	4	2.835	M16 x 2.0P	0.1875 ~ 1.25	2.35
22021	CAT50 x EOC25 - 3.15"	7.15	3.15	2.362	M16 x 2.0P	0.125 ~ 1	3.25
22023	CAT50 x EOC25 - 4"	8	4	2.362	M16 x 2.0P	0.125 ~ 1	5.30
22025	CAT50 x EOC25 - 6"	10	6	2.362	M16 x 2.0P	0.125 ~ 1	4.40
22027	CAT50 x EOC32 - 3.15"	7.15	3.15	2.835	M24 x 2.0P	0.1875 ~ 1.25	5.70
22029	CAT50 x EOC32 - 4.7"	8.7	4.7	2.835	M24 x 2.0P	0.1875 ~ 1.25	6.10

МАШСЕРВИС

Product information:

- The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

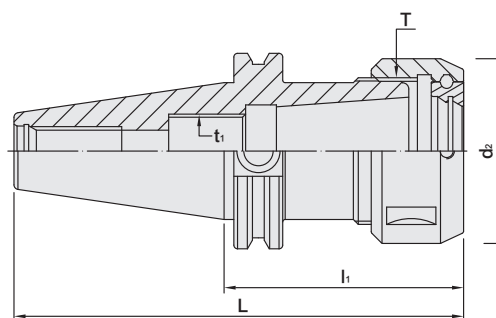
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-41	P.W-57	P.W-62	P.W-88	P.W-68~72



CAT / TG COLLET CHUCK



CAT / TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

INCHES

MODEL NO.	TYPE	L	l ₁	d ₂	t ₁	T	SIZE RANGE	WEIGHT (KGS)
23008	CAT40 x TG75 - 2.75"	5.437	2.75	1.968	M16 x 2.0P	TW 1-1/2" - 12	0.094 ~ 0.75	1.20
23010	CAT40 x TG75 - 4"	6.687	4	1.968	M16 x 2.0P	TW 1-1/2" - 12	0.094 ~ 0.75	1.40
23012	CAT40 x TG75 - 5"	7.687	5	1.968	M16 x 2.0P	TW 1-1/2" - 12	0.094 ~ 0.75	1.60
23014	CAT40 x TG100 - 3"	5.687	3	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	1.20
23016	CAT40 x TG100 - 4"	6.687	4	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	1.40
23018	CAT40 x TG100 - 6"	8.687	6	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	2.55
23020	CAT40 x TG150 - 5"	7.687	5	3.228	M24 x 2.0P	TW 2-5/8" - 12	0.156 ~ 1.5	2.90
23022	CAT40 x TG150 - 6"	8.687	6	3.228	M24 x 2.0P	TW 2-5/8" - 12	0.156 ~ 1.5	3.70
23030	CAT50 x TG100 - 3"	7	3	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	3.25
23032	CAT50 x TG100 - 4"	8	4	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	4.40
23034	CAT50 x TG100 - 6"	10	6	2.362	M24 x 2.0P	TW 1-7/8" - 12	0.094 ~ 1	5.30
23036	CAT50 x TG150 - 5"	9	5	3.228	M24 x 2.0P	TW 2-5/8" - 12	0.156 ~ 1.5	5.70
23038	CAT50 x TG150 - 6"	10	6	3.228	M24 x 2.0P	TW 2-5/8" - 12	0.156 ~ 1.5	6.10
23040	CAT50 x TG150 - 7"	11	7	3.228	M24 x 2.0P	TW 2-5/8" - 12	0.156 ~ 1.5	6.50

МАШСЕРВИС

Product information:

► The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

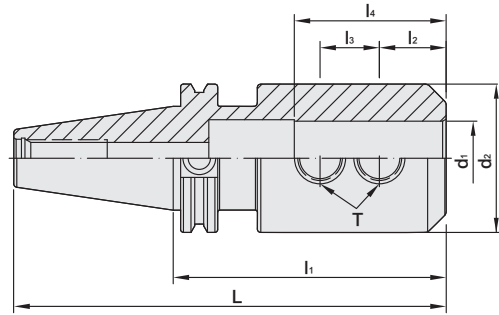
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-42~44	P.W-57	P.W-62	P.W-88	P.W-68~72



CAT / SLN SIDE LOCK END MILL HOLDER

CAT / SLN 側固式立銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
22907	CAT40 x SLN1/8" - 2.375"	5.062	2.375	0.37	-	0.787	0.125	0.69	6# - 32	1.15
22909	CAT40 x SLN3/16" - 2.5"	5.187	2.5	0.562	-	0.984	0.1875	0.69	8# - 32	1.20
22911	CAT40 x SLN1/4" - 3"	5.687	3	0.63	-	1.38	0.25	0.78	1/4 - 28	1.15
22913	CAT40 x SLN5/16" - 3"	5.687	3	0.6	-	1.38	0.3125	0.88	5/16 - 24	1.20
22915	CAT40 x SLN3/8" - 3"	5.687	3	0.75	-	1.535	0.375	1	3/8 - 24	1.18
22917	CAT40 x SLN1/2" - 3"	5.687	3	0.875	-	1.732	0.5	1.25	7/16 - 20	1.40
22919	CAT40 x SLN5/8" - 3"	5.687	3	0.937	-	1.85	0.625	1.5	1/2 - 20	1.50
22921 - 3	CAT40 x SLN3/4" - 3"	5.687	3	1	-	1.929	0.75	1.75	5/8 - 18	1.65
22921	CAT40 x SLN3/4" - 3.5"	6.187	3.5	1	-	1.929	0.75	1.75	5/8 - 18	1.70
22923	CAT40 x SLN7/8" - 3.5"	6.187	3.5	1.063	0.875	2.36	0.875	1.88	5/8 - 18	2.55
22925	CAT40 x SLN1" - 4"	6.687	4	1.125	1	2.56	1	2	3/4 - 16	2.80
22927	CAT40 x SLN1-1/4" - 4.6"	7.287	4.6	1.125	1	2.56	1.25	2.5	3/4 - 16	2.90
22929	CAT40 x SLN1-1/2" - 4.5"	7.187	4.5	1.125	1	2.56	1.5	2.5	3/4 - 16	3.20
22931	CAT50 x SLN1/4" - 4"	8	4	0.63	-	1.378	0.25	0.78	1/4 - 28	3.95
22933	CAT50 x SLN5/16" - 4"	8	4	0.6	-	1.378	0.3125	0.88	5/16 - 24	3.95
22935	CAT50 x SLN3/8" - 4"	8	4	0.75	-	1.535	0.375	1	3/8 - 24	4.00
22937	CAT50 x SLN1/2" - 4"	8	4	0.875	-	1.732	0.5	1.25	7/16 - 20	4.15
22939	CAT50 x SLN5/8" - 4"	8	4	0.937	-	1.85	0.625	1.5	1/2 - 20	4.30
22941	CAT50 x SLN3/4" - 4"	8	4	1	-	1.929	0.75	1.75	5/8 - 18	4.35
22943	CAT50 x SLN7/8" - 4"	8	4	1.063	0.875	2.362	0.875	1.88	5/8 - 18	5.30
22945	CAT50 x SLN1" - 4"	8	4	1.125	1	2.56	1	2	3/4 - 16	5.50
22947 - 4	CAT50 x SLN1-1/4" - 4"	8	4	1.125	1	2.756	1.25	2.5	3/4 - 16	5.65
22947	CAT50 x SLN1-1/4" - 4.6"	8.6	4.6	1.125	1	2.756	1.25	2.5	3/4 - 16	5.70
22949	CAT50 x SLN1-1/2" - 4.6"	8.6	4.6	1.125	1	2.756	1.5	2.5	3/4 - 16	5.70
22951	CAT50 x SLN2" - 6"	10	6	1.41	1.5	3.347	2	3.75	1 - 14	5.90

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance of tool shank diameter is within h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw

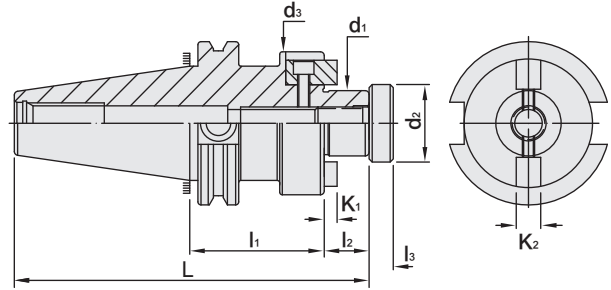


P.W-62

P.W-90

CAT FACE MILL ARBOR

CAT / FMA 平面銑刀柄



INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
22711	CAT40 x FMA3/4" - 1.37"	4.744	1.37	0.687	0.75	0.875	1.69	0.188	0.3125	1.50
22711 - 4	CAT40 x FMA3/4" - 4"	7.374	4	0.687	0.75	0.875	1.69	0.188	0.3125	1.70
22711 - 6	CAT40 x FMA3/4" - 6"	9.374	6	0.687	0.75	0.875	1.69	0.188	0.3125	1.90
22713	CAT40 x FMA1" - 2.06"	5.434	2.06	0.687	1	1.1875	2.19	0.188	0.375	1.45
22713 - 4	CAT40 x FMA1" - 4"	7.374	4	0.687	1	1.1875	2.19	0.188	0.375	2.00
22713 - 6	CAT40 x FMA1" - 6"	9.374	6	0.687	1	1.1875	2.19	0.188	0.375	2.75
22715	CAT40 x FMA1-1/4" - 2.21"	5.584	2.21	0.687	1.25	1.5	2.75	0.25	0.5	2.60
22715 - 4	CAT40 x FMA1-1/4" - 4"	7.374	4	0.687	1.25	1.5	2.75	0.25	0.5	2.75
22715 - 6	CAT40 x FMA1-1/4" - 6"	9.374	6	0.687	1.25	1.5	2.75	0.25	0.5	2.95
22717	CAT40 x FMA1-1/2" - 2.21"	5.837	2.21	0.938	1.5	1.875	3.81	0.349	0.625	2.70
22717 - 4	CAT40 x FMA1-1/2" - 4"	7.627	4	0.938	1.5	1.875	3.81	0.349	0.625	2.95
22721	CAT50 x FMA3/4" - 1.5"	6.187	1.5	0.687	0.75	0.875	-	0.188	0.3125	4.20
22721 - 3.5	CAT50 x FMA3/4" - 3.5"	8.187	3.5	0.687	0.75	0.875	1.69	0.188	0.3125	4.40
22721 - 5.5	CAT50 x FMA3/4" - 5.5"	10.187	5.5	0.687	0.75	0.875	1.69	0.188	0.3125	4.60
22723	CAT50 x FMA1" - 2"	6.687	2	0.687	1	1.1875	2.19	0.188	0.375	4.50
22723 - 4	CAT50 x FMA1" - 4"	8.687	4	0.687	1	1.1875	2.19	0.188	0.375	4.70
22723 - 6	CAT50 x FMA1" - 6"	10.687	6	0.687	1	1.1875	2.19	0.188	0.375	4.90
22725	CAT50 x FMA1-1/4" - 1.5"	6.187	1.5	0.687	1.25	1.5	2.75	0.25	0.5	4.70
22725 - 3.5	CAT50 x FMA1-1/4" - 3.5"	8.187	3.5	0.687	1.25	1.5	2.75	0.25	0.5	4.80
22725 - 5	CAT50 x FMA1-1/4" - 5"	9.687	5	0.687	1.25	1.5	2.75	0.25	0.5	5.00
22725 - 6	CAT50 x FMA1-1/4" - 6"	10.687	6	0.687	1.25	1.5	2.75	0.25	0.5	5.10
22727	CAT50 x FMA1-1/2" - 2.4"	7.338	2.4	0.938	1.5	1.875	3.81	0.349	0.625	5.00
22727 - 4	CAT50 x FMA1-1/2" - 4"	8.938	4	0.938	1.5	1.875	3.81	0.349	0.625	5.20
22727 - 6	CAT50 x FMA1-1/2" - 6"	10.938	6	0.938	1.5	1.875	3.81	0.349	0.625	5.40
22729	CAT50 x FMA2" - 2.4"	7.338	2.4	0.938	2	2.5	4.88	0.384	0.75	5.40
22729 - 4	CAT50 x FMA2" - 4"	8.938	4	0.938	2	2.5	4.88	0.384	0.75	5.60

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

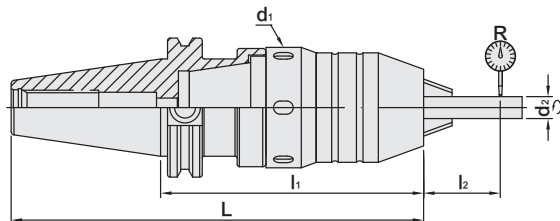
Pull Stud	Screw
	
P.W-62	P.W-89



CAT / SPH DRILL CHUCK ADAPTER

INTEGRATED TYPE

CAT / SPH 直結式鑽夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
22454	CAT40 x SPH5/16" - 4"	6.69	4	2.16	1.65	0.24	0.00157	1.85
22458	CAT40 x SPH1/2" - 4.75"	7.44	4.75	2.95	2.13	0.51	0.00157	2.10
22462	CAT40 x SPH5/8" - 6"	8.69	6	3.15	2.44	0.51	0.00157	2.95
22470	CAT50 x SPH5/16" - 4"	8	4	2.16	1.65	0.24	0.00157	2.10
22474	CAT50 x SPH1/2" - 4.25"	8.25	4.25	2.95	2.13	0.51	0.00157	2.85
22478	CAT50 x SPH5/8" - 4.5"	8.5	4.5	3.15	2.44	0.51	0.00157	3.45

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling & tapping.
- ▶ The clamping capacity of SPH5/16" is 1/16"~5/16"
- ▶ The clamping capacity of SPH1/2" is 1/16"~1/2"
- ▶ The clamping capacity of SPH5/8" is 1/8"~5/8"

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • SPANNER

Pull Stud

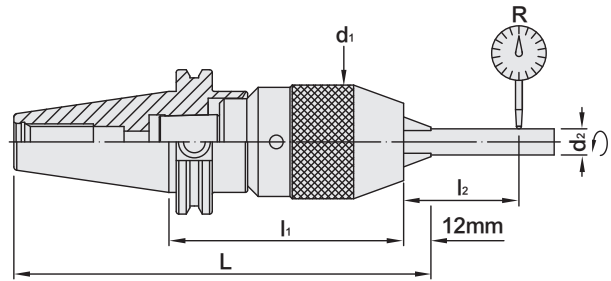


P.W-62



CAT / SPU DRILL CHUCK ADAPTER

CAT / SPU 直結式鑽夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
22403	CAT40 x SPU1/2" - 4"	7.159	4	2.615	1.969	0.394	0.00157	1.95
22404	CAT40 x SPU5/8" - 4.6"	7.759	4.6	3.149	1.969	3.215	0.00157	2.25
22405	CAT50 x SPU1/2" - 4"	8.472	4	2.953	1.969	0.512	0.00157	4.35

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling.
- ▶ The clamping capacity of SPU1/2" is 1/16"~1/2"
- ▶ The clamping capacity of SPU5/8" is 1/8"~5/8"

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

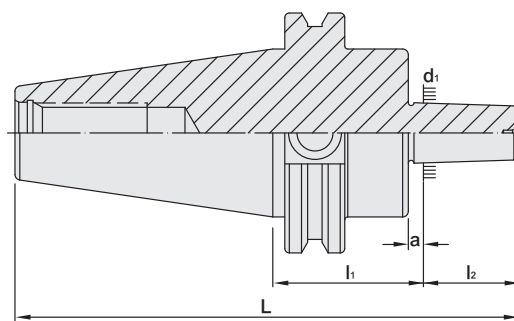
Standard Accessory: • SPANNER

Pull Stud	Spanner
	
P.W-62	P.W-72



CAT DRILL CHUCK ARBOR

CAT 鑽夾頭刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	a	WEIGHT (KGS)
22511	CAT40 x JTA2 - 1.57"	5.132	1.57	0.875	0.559	0.157	1.25
22512	CAT40 x JTA3 - 1.57"	5.475	1.57	1.219	0.811	0.197	1.25
22513	CAT40 x JTA6 - 1.57"	5.257	1.57	1	0.676	0.157	1.25
22515	CAT40 x JTA33 - 1.57"	5.257	1.57	1	0.624	0.157	1.25
22521	CAT50 x JTA2 - 1.57"	6.445	1.57	0.875	0.559	0.157	3.55
22523	CAT50 x JTA6 - 1.57"	6.57	1.57	1	0.676	0.157	3.65
22525	CAT50 x JTA33 - 1.57"	6.57	1.57	1	0.624	0.157	3.65
22527	CAT50 x JTA3 - 1.57"	6.789	1.57	1.219	0.811	0.197	3.65

МАШСЕРВИС

Features:

- For drill chuck according to DIN 238.

Product information:

- The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Keyless Drill Chuck

Pull Stud



P.W-83

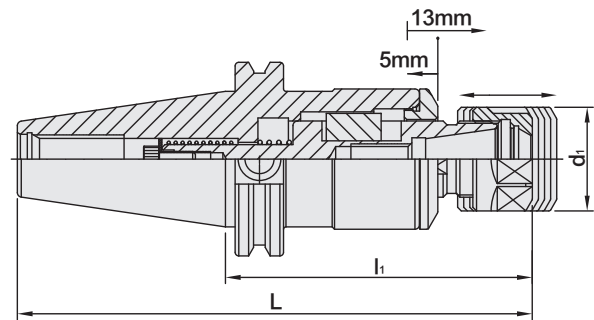


P.W-62

CAT EXPANSION ER TAPPER



CAT / ETP 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

INCHES

MODEL NO.	TYPE	L	li	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
23102	CAT40 x ETP16 - 4.75"	7.437	4.75	1.102	ER16	0.125 ~ 0.394	1.65
23104	CAT40 x ETP16 - 6"	8.687	6	1.102	ER16	0.125 ~ 0.394	1.85
23106	CAT40 x ETP20 - 4"	6.687	4	1.732	ER20	0.125 ~ 0.625	1.65
23108	CAT40 x ETP20 - 6"	8.687	6	1.732	ER20	0.125 ~ 0.625	1.90
23110	CAT40 x ETP32 - 4.75"	7.437	4.75	2.205	ER32	0.125 ~ 1.0625	1.76
23116	CAT50 x ETP20 - 4"	8	4	1.732	ER20	0.125 ~ 0.625	4.30
23118	CAT50 x ETP20 - 6"	10	6	1.732	ER20	0.125 ~ 0.625	4.60
23120	CAT50 x ETP32 - 4.75"	8.75	4.75	2.205	ER32	0.125 ~ 1.0625	4.65

МАШСЕРВИС

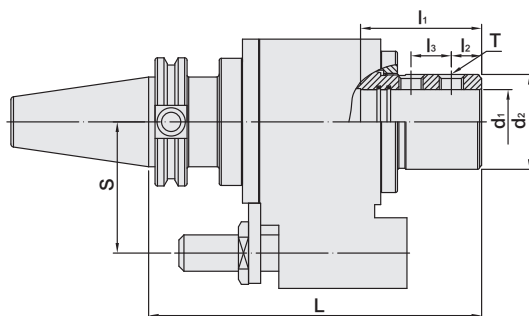
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10,20~26	P.W-48	P.W-62	P.W-88	P.W-68~71



CAT SIDE LOCK OIL HOLE HOLDER

CAT / OSL 側固式油路刀把



INCHES





MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	S	T	WEIGHT (KGS)
28001	CAT40 x OSL16 - 6.5"	6.5	1.89	0.98	-	0.629	1.83	2.56	M12 x 1.75P	3.50
28003	CAT40 x OSL20 - 6.5"	6.5	1.97	0.98	-	0.787	1.83	2.56	M12 x 1.75P	3.50
28005	CAT40 x OSL25 - 6.5"	6.5	2.2	0.59	0.79	0.984	1.83	2.56	M12 x 1.75P	3.50
28007	CAT40 x OSL32 - 6.5"	6.5	2.36	0.59	0.79	1.259	1.85	2.56	M12 x 1.75P	3.50
28002	CAT40 x OSL16 - 6.5"S	6.5	1.89	0.98	-	0.629	1.83	2.36	M12 x 1.75P	3.50
28004	CAT40 x OSL20 - 6.5"S	6.5	1.97	0.98	-	0.787	1.83	2.36	M12 x 1.75P	3.50
28006	CAT40 x OSL25 - 6.5"S	6.5	2.2	0.59	0.79	0.984	1.83	2.36	M12 x 1.75P	3.50
28008	CAT40 x OSL32 - 6.5"S	6.5	2.36	0.59	0.79	1.259	1.85	2.36	M12 x 1.75P	3.80
28009	CAT50 x OSL16 - 6.5"	6.5	1.89	0.98	-	0.629	2.2	3.15	M14 x 2.0P	7.00
28011	CAT50 x OSL20 - 6.5"	6.5	1.97	0.98	-	0.787	2.2	3.15	M12 x 1.75P	7.50
28013	CAT50 x OSL25 - 6.5"	6.5	2.2	0.59	0.79	0.984	2.2	3.15	M16 x 2.0P	7.50
28015	CAT50 x OSL32 - 6.69"	6.69	2.36	0.59	0.79	1.259	2.2	3.15	M16 x 2.0P	7.80
28017	CAT50 x OSL40 - 6.69"	6.69	2.44	0.59	0.98	1.575	2.2	3.15	M14 x 2.0P	8.50
28019	CAT50 x OSL16 - 6.5"M	6.5	1.89	0.98	-	0.629	2.2	3.23	M14 x 2.0P	7.10
28021	CAT50 x OSL20 - 6.5"M	6.5	1.97	0.98	-	0.787	2.2	3.23	M12 x 1.75P	7.60
28023	CAT50 x OSL25 - 6.5"M	6.5	2.2	0.59	0.79	0.984	2.2	3.23	M16 x 2.0P	7.70
28025	CAT50 x OSL32 - 6.69"M	6.69	2.36	0.59	0.79	1.259	2.2	3.23	M16 x 2.0P	7.80
28027	CAT50 x OSL40 - 6.69"M	6.69	2.44	0.59	0.98	1.575	2.2	3.23	M14 x 2.0P	8.50
28029	CAT50 x OSL16 - 6.5"L	6.5	1.89	0.98	-	0.629	2.2	3.35	M14 x 2.0P	7.20
28031	CAT50 x OSL20 - 6.5"L	6.5	1.97	0.98	-	0.787	2.2	3.35	M12 x 1.75P	7.80
28033	CAT50 x OSL25 - 6.5"L	6.5	2.2	0.59	0.79	0.984	2.2	3.35	M16 x 2.0P	7.80
28035	CAT50 x OSL32 - 6.69"L	6.69	2.36	0.59	0.79	1.259	2.2	3.35	M16 x 2.0P	8.00
28037	CAT50 x OSL40 - 6.69"L	6.69	2.44	0.59	0.98	1.575	2.2	3.35	M14 x 2.0P	8.70

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance of tool shank diameter is within h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

Straight Sleeve	Fixed Block	Pull Stud	Lock Screw
			
P.W-83	P.W-94	P.W-62	P.W-90



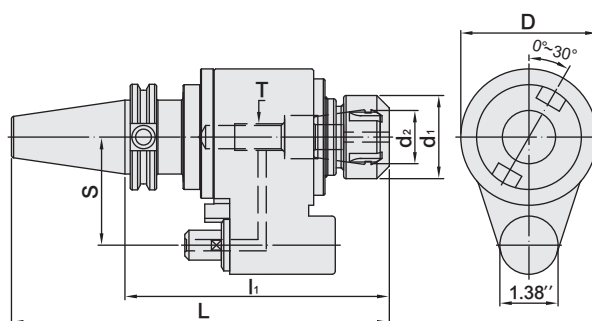
CAT / OHER OIL HOLE COLLET CHUCK



CAT / OHER 油路刀把



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	D	d ₂ ER	S	T	SIZE RANGE	WEIGHT (KGS)
28202	CAT40 x OHER16 - 6.3"	8.987	6.3	3.228	16	2.56	M10	0.0156 ~ 0.375	3.80
28204	CAT40 x OHER20 - 6.3"	8.987	6.3	3.228	20	2.56	M12	0.0625 ~ 0.5	4.10
28206	CAT40 x OHER25 - 6.3"	8.987	6.3	3.228	25	2.56	M16	0.0625 ~ 0.625	4.30
28208	CAT40 x OHER32 - 6.3"	8.987	6.3	3.228	32	2.56	M16	0.125 ~ 0.75	4.50
28210	CAT50 x OHER16 - 6.3"	10.3	6.3	3.858	16	3.15	M10	0.0156 ~ 0.375	7.00
28212	CAT50 x OHER20 - 6.3"	10.3	6.3	3.858	20	3.15	M12	0.0625 ~ 0.5	7.10
28214	CAT50 x OHER25 - 6.3"	10.3	6.3	3.858	25	3.15	M16	0.0625 ~ 0.625	7.20
28216	CAT50 x OHER32 - 6.3"	10.3	6.3	3.858	32	3.15	M16	0.125 ~ 0.75	7.30
28218	CAT50 x OHER40 - 6.3"	10.3	6.3	3.858	40	3.15	M20	0.125 ~ 1	7.50

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance of tool shank diameter is within h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

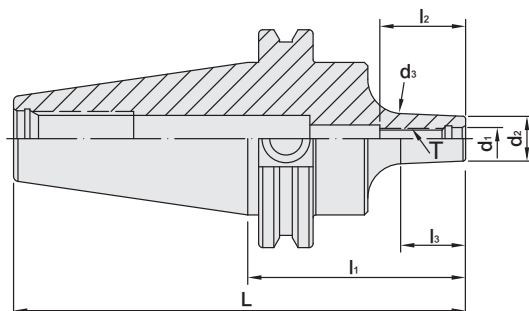
Standard Accessory: • NUT

Collet	Nut	Fixed Block	Pull Stud	Preset Screw	Spanner
P.W-7~17	P.W-48,51	P.W-94	P.W-62	P.W-90	P.W-68~71



CAT / SOM SCREWED END MILL HOLDER

CAT / SOM 螺紋鎖固式刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
29330	CAT40 x SOM6 - 2.5"	5.187	2.5	0.984	0.933	0.256	0.512	0.593	M6	1.20
29332	CAT40 x SOM8 - 2.5"	5.187	2.5	0.984	0.933	0.335	0.591	0.672	M8	1.20
29334	CAT40 x SOM10 - 2.5"	5.187	2.5	0.984	0.933	0.413	0.748	0.829	M10	1.20
29336	CAT40 x SOM12 - 3"	5.687	3	1.22	1.042	0.492	0.827	0.883	M12	1.30
29338	CAT40 x SOM16 - 3"	5.687	3	1.22	1.433	0.669	0.984	1.106	M16	1.40
29360	CAT50 x SOM6 - 2.5"	6.5	2.5	0.984	0.933	0.256	0.512	0.593	M6	3.00
29362	CAT50 x SOM8 - 2.5"	6.5	2.5	0.984	0.933	0.335	0.591	0.672	M8	3.00
29364	CAT50 x SOM10 - 2.5"	6.5	2.5	0.984	0.933	0.413	0.748	0.829	M10	3.00
29366	CAT50 x SOM12 - 3"	7	3	1.22	1.433	0.492	0.827	0.917	M12	3.10
29368	CAT50 x SOM16 - 3"	7	3	1.22	1.433	0.669	0.984	1.173	M16	3.20

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

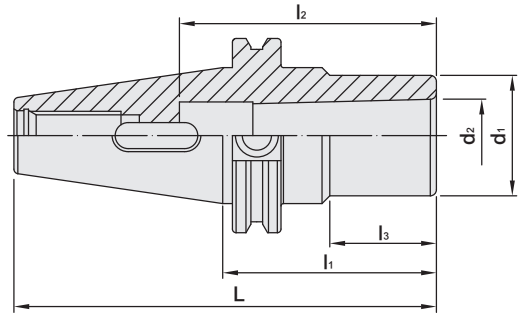
STR Cutting Tool	RG Cutting Tool	DM Cutting Tool	Extension Spacer	Pull Stud
				
P.W-75	P.W-76	P.W-77	P.W-78	P.W-62

CAT MORSE TAPER ADAPTER

TANG TYPE

CAT 斜柄鑽頭套筒

(DIN 228-2)



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
22611	CAT40 x MTA1 - 1.6"	4.287	1.6	2.205	0.124	1	0.475	1.30
22613	CAT40 x MTA2 - 2"	4.687	2	2.638	0.323	1.25	0.7	1.50
22615	CAT40 x MTA3 - 2.75"	5.437	2.75	3.307	1.287	1.575	0.938	1.15
22617	CAT40 x MTA4 - 3.75"	6.437	3.75	4.213	2.372	1.75	1.23	1.20
22621	CAT50 x MTA1 - 2"	6	2	2.205	0.504	1	0.475	4.05
22623	CAT50 x MTA2 - 2"	6	2	2.638	0.504	1.25	0.7	4.40
22625	CAT50 x MTA3 - 2.5"	6.5	2.5	3.307	1.004	1.55	0.938	4.50
22627	CAT50 x MTA4 - 3.3"	7.3	3.3	4.213	1.804	1.75	1.23	4.90
22629	CAT50 x MTA5 - 4.1"	8.1	4.1	5.315	2.587	2.48	1.748	5.15

МАШСЕРВИС

Features:

- ▶ The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with Tang).

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

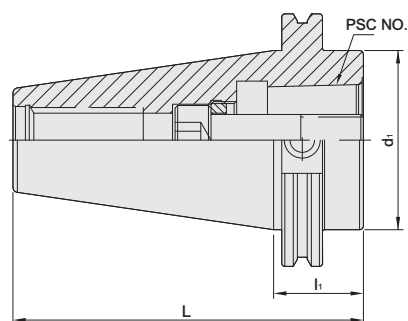


P.W-62



CAT / PSC ADAPTER

CAT 套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
31.501.32.035	CAT40 x PSC32 - 35	PSC32	103.249	35	44.45	M12 x 1.5P	45	33	0.99
31.501.40.035	CAT40 x PSC40 - 35	PSC40	103.249	35	44.45	M14 x 1.5P	55	40	0.90
31.501.50.035	CAT40 x PSC50 - 35	PSC50	103.249	35	44.45	M16 x 1.5P	95	70	0.82
31.501.63.090	CAT40 x PSC63 - 90	PSC63	158.249	90	44.45	M20 x 2.0P	170	125	1.83
32.501.32.035	CAT50 x PSC32 - 35	PSC32	136.6	35	69.85	M12 x 1.5P	45	33	3.00
32.501.40.035	CAT50 x PSC40 - 35	PSC40	136.6	35	69.85	M14 x 1.5P	55	40	2.95
32.501.50.035	CAT50 x PSC50 - 35	PSC50	136.6	35	69.85	M16 x 1.5P	95	70	2.85
32.501.63.035	CAT50 x PSC63 - 35	PSC63	136.6	35	69.85	M20 x 2.0P	170	125	2.63

INCHES

32.501.63.400	CAT50 x PSC63 - 4"	PSC63	184.15	101.6	69.85	M20 x 2.0P	170	125	4.05
32.501.63.600	CAT50 x PSC63 - 6"	PSC63	234.95	152.4	69.85	M20 x 2.0P	170	125	5.14
32.501.63.800	CAT50 x PSC63 - 8"	PSC63	285.75	203.2	69.85	M20 x 2.0P	170	125	6.23
32.501.63.100	CAT50 x PSC63 - 10"	PSC63	336.55	254	69.85	M20 x 2.0P	170	125	7.31
32.501.63.120	CAT50 x PSC63 - 12"	PSC63	387.35	304.8	69.85	M20 x 2.0P	170	125	8.40
32.501.80.374	CAT50 x PSC80 - 3.74"	PSC80	196.596	94.996	80.01	M20 x 2.0P	170	125	3.05

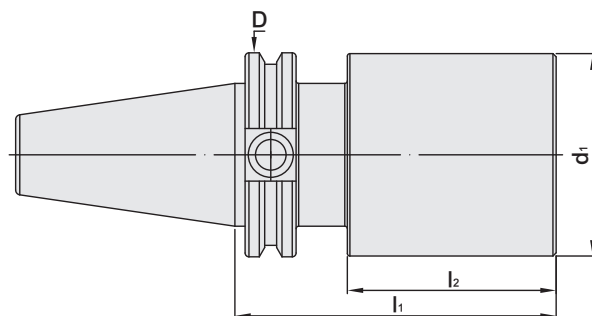
Pull Stud



P.W-62

CAT BLANK

CAT 素材



INCHES

MODEL NO.	TYPE	D	d ₁	l ₁	l ₂	WEIGHT (KGS)
31.001.86.800	CAT40 x ϕ 2" - 8"	2.5	2	8	6.625	3.64
31.001.92.600	CAT40 x ϕ 2.5" - 6"	2.5	2.5	6	4.625	3.88
31.001.92.787	CAT40 x ϕ 2.5" - 7.87"	2.5	2.5	7.87	6.495	5.04
32.001.98.100	CAT50 x ϕ 3" - 10"	3.875	3	10	8.625	10.8
32.001.99.800	CAT50 x ϕ 4" - 8"	3.875	4	8	6.625	13.6
32.001.99.100	CAT50 x ϕ 4" - 10"	3.875	4	10	8.625	16.8

МАШСЕРВИС

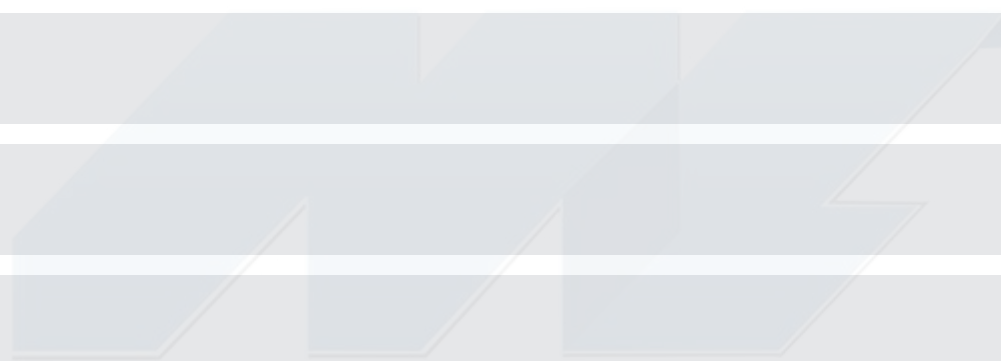
Pull Stud



P.W-62



MEMO



МАШСЕРВИС



DAT

CATEGORY

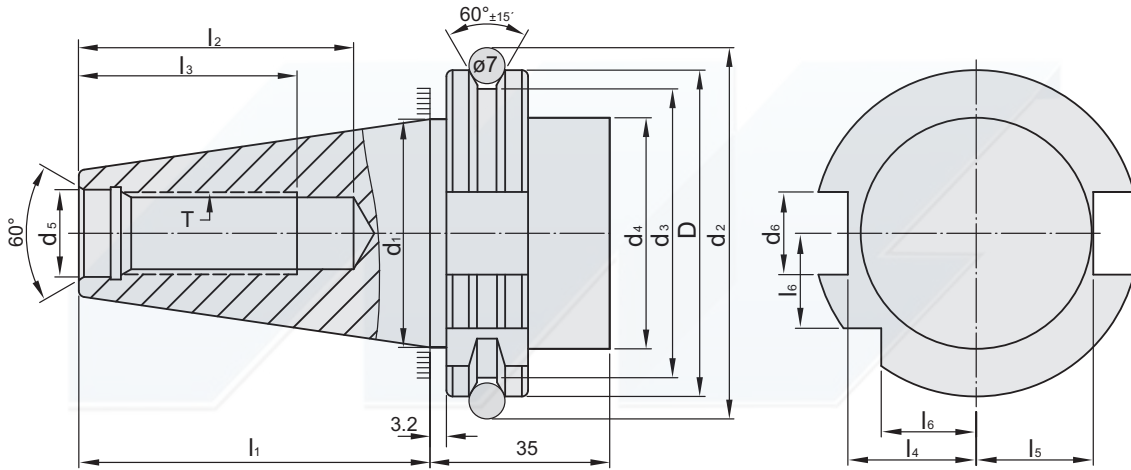
DIN 69871 - A

PNER COLLET CHUCK	C-3
UT COLLET CHUCK	C-4~5
ER COLLET CHUCK	C-6~8
ER COLLET CHUCK [M TYPE]	C-9~10
SK3 COLLET CHUCK	C-11~12
SKS COLLET CHUCK	C-13~14
SBL SLIM-FIT COLLET CHUCK	C-15
SBLC SLIM-FIT COLLET CHUCK	C-16
EBL SLIM-FIT COLLET CHUCK	C-17
MLD MULTI-LOCK MILLING CHUCK	C-18
EOC COLLET CHUCK	C-19
TG COLLET CHUCK	C-20
SLN SIDE LOCK END MILL HOLDER	C-21
FACE MILL ARBOR [FMB TYPE]	C-22~23
FACE MILL ARBOR [FMC TYPE]	C-24
COMBI SHELL END MILL ARBOR	C-25
SPH DRILL CHUCK ADAPTER	C-26
SPU DRILL CHUCK ADAPTER	C-27
DRILL CHUCK ARBOR	C-28
EXPANSION ER TAPPER	C-29
SIDE LOCK OIL HOLE HOLDER	C-30
OTHER OIL HOLE COLLET CHUCK	C-31
SOM SCREWED END MILL HOLDER	C-32
MORSE TAPER ADAPTER	C-33
ADAPTER	C-34
BLANK	C-35

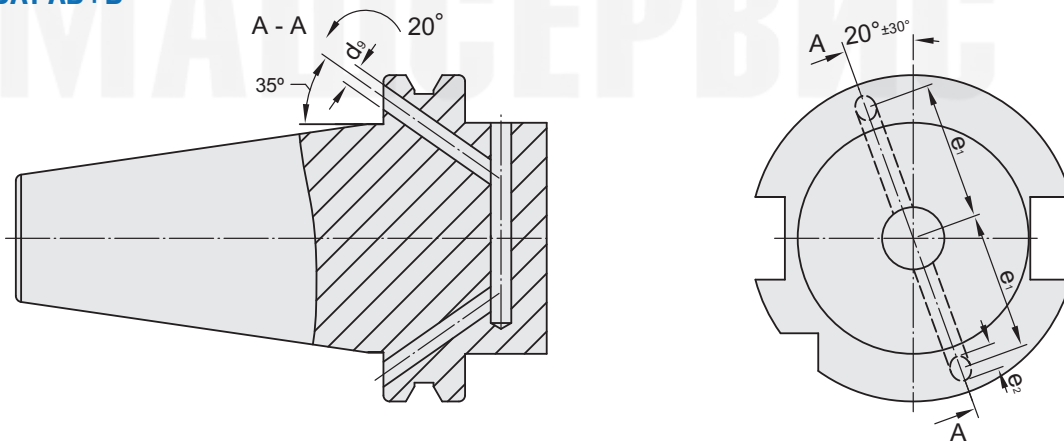
REFERENCE DETAILS

- ▶ Shank body standard : **DIN 69871**
- ▶ Hardness > **HRC 56°**
- ▶ Roundness < **0.8 μm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.
- ▶ Taper tolerance < **AT3**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Carbon depth > **0.8mm**

DIN69871/DAT A



DIN 69871/DAT AD+B

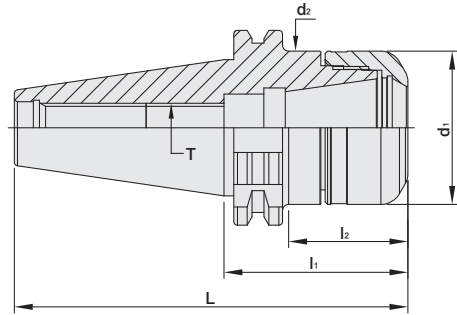


DAT	D 0 -0.1	d ₁	d ₂ ±0.05	d ₃ 0 -0.5	d ₄ max	d ₅ H7	d ₆ H12	d ₉	l ₁ 0 -0.3
30	50	31.75	59.30	44.30	45	13	16.1	4	47.8
40	63.55	44.45	72.30	56.25	50	17	16.1	4	68.4
50	97.50	69.85	107.25	91.25	80	25	25.7	6	101.75
DAT	l ₂ min	l ₃ min	l ₄ 0 -0.4	l ₅ 0 -0.4	l ₆ 0 -0.3	e ₁ ±0.1	e ₂ max	T	
30	33.5	24	19	16.4	15	21	5	M12	
40	42.5	32	25	22.8	18.5	27	5	M16	
50	61.5	47	37.7	35.5	30	42	7	M24	

DAT / PNER COLLET CHUCK



DAT / PNER 立銑刀夾頭



TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
50.273.16.050	DAT30 x PNER16 - 50	97.8	50	27.9	30	30	M10 x 1.5P	3 ~ 10	0.70
50.273.16.100	DAT30 x PNER16 - 100	147.8	100	77.9	30	30	M10 x 1.5P	3 ~ 10	0.85
50.273.20.070	DAT30 x PNER20 - 70	117.8	70	47.9	32	32	M12 x 1.75P	3 ~ 13	0.80
50.273.25.070	DAT30 x PNER25 - 70	117.8	70	48.9	40	40	M16 x 2.0P	3 ~ 16	0.85
50.273.32.070	DAT30 x PNER32 - 70	117.8	70	50.4	50	50	M20 x 2.0P	3 ~ 20	0.90
51.273.16.070	DAT40 x PNER16 - 70	138.4	70	45.9	30	30	M10 x 1.5P	3 ~ 10	1.05
51.273.16.100	DAT40 x PNER16 - 100	168.4	100	75.9	30	30	M10 x 1.5P	3 ~ 10	1.15
51.273.20.070	DAT40 x PNER20 - 70	138.4	70	45.9	32	32	M12 x 1.75P	3 ~ 13	1.10
51.273.20.100	DAT40 x PNER20 - 100	168.4	100	75.9	32	32	M12 x 1.75P	3 ~ 13	1.30
51.273.25.070	DAT40 x PNER25 - 70	138.4	70	45.9	40	40	M16 x 2.0P	3 ~ 16	1.15
51.273.25.100	DAT40 x PNER25 - 100	168.4	100	75.9	40	40	M16 x 2.0P	3 ~ 16	1.45
51.273.32.050	DAT40 x PNER32 - 50	118.4	50	30.4	50	50	M16 x 2.0P	3 ~ 20	1.10
51.273.32.070	DAT40 x PNER32 - 70	138.4	70	50.4	50	50	M16 x 2.0P	3 ~ 20	1.22
51.273.32.100	DAT40 x PNER32 - 100	168.4	100	80.4	50	50	M16 x 2.0P	3 ~ 20	1.62
51.273.40.100	DAT40 x PNER40 - 100	168.4	100	80.4	63	63	M20 x 2.0P	6 ~ 26	1.65
52.273.16.070	DAT50 x PNER16 - 70	171.75	70	40.9	30	30	M10 x 1.5P	3 ~ 10	2.80
52.273.16.100	DAT50 x PNER16 - 100	201.75	100	70.9	30	30	M10 x 1.5P	3 ~ 10	3.20
52.273.16.160	DAT50 x PNER16 - 160	261.75	160	130.9	30	30	M10 x 1.5P	3 ~ 10	4.50
52.273.20.070	DAT50 x PNER20 - 70	171.75	70	40.9	32	32	M12 x 1.75P	3 ~ 13	3.00
52.273.20.100	DAT50 x PNER20 - 100	201.75	100	70.9	32	32	M12 x 1.75P	3 ~ 13	3.40
52.273.25.070	DAT50 x PNER25 - 70	171.75	70	40.9	40	40	M16 x 2.0P	3 ~ 16	3.40
52.273.25.100	DAT50 x PNER25 - 100	201.75	100	70.9	40	40	M16 x 2.0P	3 ~ 16	3.54
52.273.25.160	DAT50 x PNER25 - 160	261.75	160	130.9	40	40	M16 x 2.0P	3 ~ 16	4.60
52.273.32.070	DAT50 x PNER32 - 70	171.75	70	40.9	50	50	M16 x 2.0P	3 ~ 20	3.50
52.273.32.100	DAT50 x PNER32 - 100	201.75	100	70.9	50	50	M16 x 2.0P	3 ~ 20	4.30
52.273.40.070	DAT50 x PNER40 - 70	171.75	70	45.9	63	63	M20 x 2.0P	6 ~ 26	3.50
52.273.40.100	DAT50 x PNER40 - 100	201.75	100	75.9	63	63	M20 x 2.0P	6 ~ 26	4.30

Features:

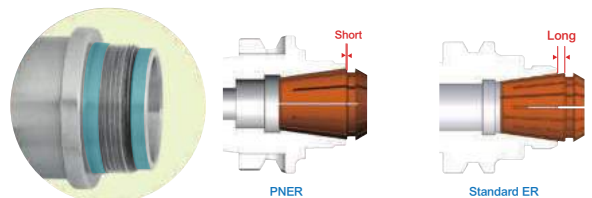
- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

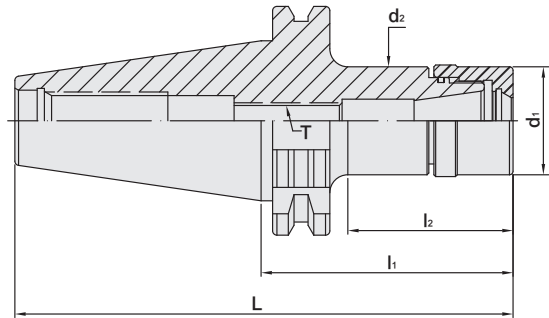
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-63	P.W-88	P.W-68~73



DAT / UT COLLET CHUCK



DAT / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
50.753.16.070	DAT30 x UT16 - 70	117.8	70	45.9	30	30	M10 x 1.5P	1 ~ 10	0.58
50.753.16.100	DAT30 x UT16 - 100	147.8	100	75.9	30	30	M10 x 1.5P	1 ~ 10	0.72
50.753.16.125	DAT30 x UT16 - 125	172.8	125	100.9	30	30	M10 x 1.5P	1 ~ 10	0.84
50.753.16.150	DAT30 x UT16 - 150	197.8	150	125.9	30	30	M10 x 1.5P	1 ~ 10	0.97
50.753.20.070	DAT30 x UT20 - 70	117.8	70	47.9	35	36	M12 x 1.75P	1 ~ 13	0.64
50.753.20.100	DAT30 x UT20 - 100	147.8	100	77.9	35	36	M12 x 1.75P	1 ~ 13	0.85
50.753.20.125	DAT30 x UT20 - 125	172.8	125	102.9	35	36	M12 x 1.75P	1 ~ 13	1.03
50.753.20.150	DAT30 x UT20 - 150	197.8	150	127.9	35	36	M12 x 1.75P	1 ~ 13	1.22
50.753.25.070	DAT30 x UT25 - 70	117.8	70	49.9	42	42	M16 x 2.0P	1 ~ 16	0.69
50.753.25.100	DAT30 x UT25 - 100	147.8	100	79.9	42	42	M16 x 2.0P	1 ~ 16	1.00
50.753.25.150	DAT30 x UT25 - 150	197.8	150	129.9	42	42	M16 x 2.0P	1 ~ 16	1.53
50.753.32.070	DAT30 x UT32 - 70	117.8	70	50.1	45	48	M16 x 2.0P	2 ~ 20	0.69
50.753.32.100	DAT30 x UT32 - 100	147.8	100	80.1	48	48	M16 x 2.0P	2 ~ 20	1.09
50.753.32.125	DAT30 x UT32 - 125	172.8	125	105.1	48	48	M16 x 2.0P	2 ~ 20	1.42
50.753.32.150	DAT30 x UT32 - 150	197.8	150	130.1	48	48	M16 x 2.0P	2 ~ 20	1.74

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ DAT30 tool holders are without coolant supply over collars.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

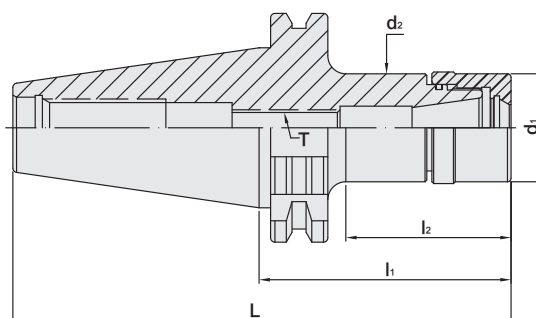
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73



DAT / UT COLLET CHUCK



DAT / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
51.753.16.070	DAT40 x UT16 - 70	138.4	70	45.9	30	30	M10 x 1.5P	1 ~ 10	1.01
51.753.16.100	DAT40 x UT16 - 100	168.4	100	75.9	30	30	M10 x 1.5P	1 ~ 10	1.14
51.753.16.125	DAT40 x UT16 - 125	193.4	125	100.9	30	30	M10 x 1.5P	1 ~ 10	1.24
51.753.16.150	DAT40 x UT16 - 150	218.4	150	125.9	30	30	M10 x 1.5P	1 ~ 10	1.35
51.753.20.070	DAT40 x UT20 - 70	138.4	70	45.9	35	36	M12 x 1.75P	1 ~ 13	1.07
51.753.20.100	DAT40 x UT20 - 100	168.4	100	75.9	35	36	M12 x 1.75P	1 ~ 13	1.27
51.753.20.125	DAT40 x UT20 - 125	193.4	125	100.9	35	36	M12 x 1.75P	1 ~ 13	1.44
51.753.20.150	DAT40 x UT20 - 150	218.4	150	125.9	35	36	M12 x 1.75P	1 ~ 13	1.61
51.753.25.070	DAT40 x UT25 - 70	138.4	70	45.9	42	42	M16 x 2.0P	1 ~ 16	1.14
51.753.25.100	DAT40 x UT25 - 100	168.4	100	75.9	42	42	M16 x 2.0P	1 ~ 16	1.43
51.753.25.150	DAT40 x UT25 - 150	218.4	150	125.9	42	42	M16 x 2.0P	1 ~ 16	1.90
51.753.32.070	DAT40 x UT32 - 70	138.4	70	50.1	48	48	M16 x 2.0P	2 ~ 20	1.17
51.753.32.100	DAT40 x UT32 - 100	168.4	100	80.1	48	48	M16 x 2.0P	2 ~ 20	1.55
51.753.32.125	DAT40 x UT32 - 125	193.4	125	105.1	48	48	M16 x 2.0P	2 ~ 20	1.87
51.753.32.150	DAT40 x UT32 - 150	218.4	150	130.1	48	48	M16 x 2.0P	2 ~ 20	2.19
52.753.16.070	DAT50 x UT16 - 70	171.75	70	45.9	30	30	M10 x 1.5P	1 ~ 10	2.75
52.753.16.100	DAT50 x UT16 - 100	201.75	100	75.9	30	30	M10 x 1.5P	1 ~ 10	2.91
52.753.16.125	DAT50 x UT16 - 125	226.75	125	95.9	30	30	M10 x 1.5P	1 ~ 10	2.98
52.753.16.150	DAT50 x UT16 - 150	251.75	150	120.9	30	30	M10 x 1.5P	1 ~ 10	3.08
52.753.20.070	DAT50 x UT20 - 70	171.75	70	40.9	35	36	M12 x 1.75P	1 ~ 13	2.85
52.753.20.100	DAT50 x UT20 - 100	201.75	100	70.9	35	36	M12 x 1.75P	1 ~ 13	3.01
52.753.20.125	DAT50 x UT20 - 125	226.75	125	95.9	35	36	M12 x 1.75P	1 ~ 13	3.14
52.753.20.150	DAT50 x UT20 - 150	251.75	150	120.9	35	36	M12 x 1.75P	1 ~ 13	3.27
52.753.25.070	DAT50 x UT25 - 70	171.75	70	45.9	42	42	M16 x 2.0P	1 ~ 16	2.90
52.753.25.100	DAT50 x UT25 - 100	201.75	100	70.9	42	42	M16 x 2.0P	1 ~ 16	3.17
52.753.25.150	DAT50 x UT25 - 150	251.75	150	120.9	42	42	M16 x 2.0P	1 ~ 16	3.68
52.753.32.070	DAT50 x UT32 - 70	171.75	70	45.9	48	48	M16 x 2.0P	2 ~ 20	2.94
52.753.32.100	DAT50 x UT32 - 100	201.75	100	70.9	48	48	M16 x 2.0P	2 ~ 20	3.32
52.753.32.125	DAT50 x UT32 - 125	226.75	125	95.9	48	48	M16 x 2.0P	2 ~ 20	3.60
52.753.32.150	DAT50 x UT32 - 150	251.75	150	120.9	48	48	M16 x 2.0P	2 ~ 20	3.89

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

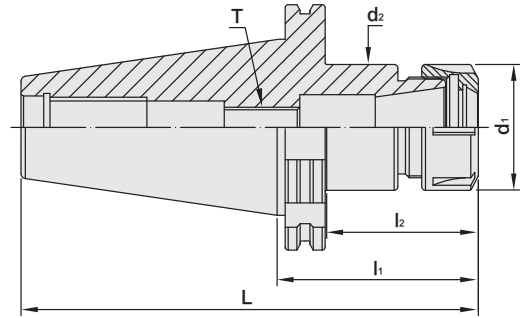
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73



DAT / ER COLLET CHUCK



DAT / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
42201	DAT30 x ER11A - 80	127.8	80	50	19	19	M6 x 1.0P	1 ~ 7	0.60
42203	DAT30 x ER16A - 63	110.8	63	40	28	28	M10 x 1.5P	1 ~ 10	0.70
42205	DAT30 x ER16A - 120	167.8	120	92	28	28	M10 x 1.5P	1 ~ 10	0.85
42207	DAT30 x ER20A - 63	110.8	63	38	34	34	M12 x 1.75P	1 ~ 13	0.80
42209	DAT30 x ER20A - 120	167.8	120	95	34	34	M12 x 1.75P	1 ~ 13	1.05
42211	DAT30 x ER25 - 63	110.8	63	43	42	42	M16 x 2.0P	1 ~ 16	0.85
42213	DAT30 x ER32 - 63	110.8	63	43	50	44.7	M16 x 2.0P	2 ~ 20	0.90

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ DAT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-88	P.W-68~71



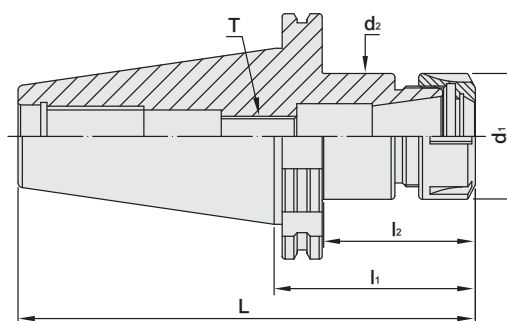
DAT / ER COLLET CHUCK



DAT / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
42221	DAT40 x ER11A - 80	148.4	80	50	19	19	M6 x 1.0P	1 ~ 7	1.05
42223	DAT40 x ER11A - 125	193.4	125	95	19	19	M6 x 1.0P	1 ~ 7	1.15
42225	DAT40 x ER16A - 70	138.4	70	40	28	28	M10 x 1.5P	1 ~ 10	1.05
42227	DAT40 x ER16A - 100	168.4	100	70	28	28	M10 x 1.5P	1 ~ 10	1.15
42229	DAT40 x ER16A - 125	193.4	125	95	28	28	M10 x 1.5P	1 ~ 10	1.25
42231	DAT40 x ER16A - 150	218.4	150	120	28	28	M10 x 1.5P	1 ~ 10	1.40
42233	DAT40 x ER16A - 180	248.4	180	150	28	28	M10 x 1.5P	1 ~ 10	1.85
42235	DAT40 x ER20A - 70	138.4	70	47	34	34	M12 x 1.75P	1 ~ 13	1.10
42237	DAT40 x ER20A - 100	168.4	100	70	34	34	M12 x 1.75P	1 ~ 13	1.30
42239	DAT40 x ER20A - 135	203.4	135	105	34	34	M12 x 1.75P	1 ~ 13	1.95
42241	DAT40 x ER20A - 160	228.4	160	130	34	34	M12 x 1.75P	1 ~ 13	2.20
42243	DAT40 x ER25 - 70	138.4	70	50	42	42	M16 x 2.0P	1 ~ 16	1.15
42245	DAT40 x ER25 - 100	168.4	100	80	42	42	M16 x 2.0P	1 ~ 16	1.45
42247	DAT40 x ER25 - 150	218.4	150	130	42	42	M16 x 2.0P	1 ~ 16	2.00
42249	DAT40 x ER25 - 180	248.4	180	160	42	42	M16 x 2.0P	1 ~ 16	2.45
42251	DAT40 x ER25 - 200	268.4	200	180	42	42	M16 x 2.0P	1 ~ 16	2.55
42253	DAT40 x ER32 - 70	138.4	70	50	50	49.7	M16 x 2.0P	2 ~ 20	1.22
42255	DAT40 x ER32 - 100	168.4	100	80	50	49.5	M16 x 2.0P	2 ~ 20	1.62
42257	DAT40 x ER32 - 135	203.4	135	115	50	49.7	M16 x 2.0P	2 ~ 20	2.15
42259	DAT40 x ER32 - 150	218.4	150	130	50	49.7	M16 x 2.0P	2 ~ 20	2.65
42261	DAT40 x ER40 - 70	138.4	70	50	63	50	M20 x 2.0P	3 ~ 26	1.25
42263	DAT40 x ER40 - 100	168.4	100	80	63	50	M20 x 2.0P	3 ~ 26	1.65
42265	DAT40 x ER40 - 135	203.4	135	115	63	50	M20 x 2.0P	3 ~ 26	2.30
42269	DAT40 x ER50 - 100	168.4	100	65	78	64	M24 x 2.0P	5 ~ 34	1.70

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

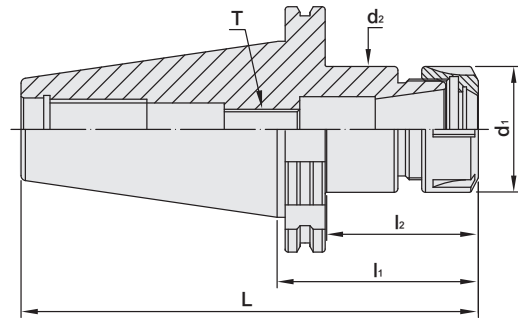
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-88	P.W-68~71



DAT / ER COLLET CHUCK



DAT / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
42281	DAT50 x ER16A - 100	201.75	100	70	28	28	M10 x 1.5P	1 ~ 10	3.20
42283	DAT50 x ER16A - 135	236.75	135	105	28	28	M10 x 1.5P	1 ~ 10	4.30
42285	DAT50 x ER16A - 160	261.75	160	130	28	28	M10 x 1.5P	1 ~ 10	4.50
42287	DAT50 x ER16A - 180	281.75	180	150	28	28	M10 x 1.5P	1 ~ 10	4.80
42291	DAT50 x ER20A - 100	201.75	100	70	34	34	M12 x 1.75P	1 ~ 13	3.40
42293	DAT50 x ER20A - 135	236.75	135	105	34	34	M12 x 1.75P	1 ~ 13	3.60
42295	DAT50 x ER20A - 160	261.75	160	130	34	34	M12 x 1.75P	1 ~ 13	3.80
42301	DAT50 x ER25 - 70	171.75	70	40	42	42	M16 x 2.0P	1 ~ 16	3.40
42303	DAT50 x ER25 - 100	201.75	100	70	42	42	M16 x 2.0P	1 ~ 16	3.54
42305	DAT50 x ER25 - 150	251.75	150	120	42	42	M16 x 2.0P	1 ~ 16	4.50
42307	DAT50 x ER25 - 200	301.75	200	170	42	42	M16 x 2.0P	1 ~ 16	4.70
42311	DAT50 x ER32 - 80	181.75	80	50	50	50	M20 x 2.0P	2 ~ 20	3.60
42313	DAT50 x ER32 - 120	221.75	120	90	50	50	M20 x 2.0P	2 ~ 20	4.50
42315	DAT50 x ER32 - 160	261.75	160	130	50	50	M20 x 2.0P	2 ~ 20	4.60
42317	DAT50 x ER32 - 200	301.75	200	170	50	50	M20 x 2.0P	2 ~ 20	5.16
42321	DAT50 x ER40 - 80	181.75	80	50	63	60	M20 x 2.0P	3 ~ 26	3.65
42323	DAT50 x ER40 - 120	221.75	120	90	63	60	M20 x 2.0P	3 ~ 26	4.42
42325	DAT50 x ER40 - 160	261.75	160	130	63	60	M20 x 2.0P	3 ~ 26	5.20
42327	DAT50 x ER40 - 200	301.75	200	170	63	60	M20 x 2.0P	3 ~ 26	5.40
42331	DAT50 x ER50 - 80	181.75	80	57	78	-	M24 x 2.0P	5 ~ 34	4.85
42333	DAT50 x ER50 - 120	221.75	120	99	78	78	M24 x 2.0P	5 ~ 34	5.45
42335	DAT50 x ER50 - 160	261.75	160	139	78	78	M24 x 2.0P	5 ~ 34	5.55
42337	DAT50 x ER50 - 200	301.75	200	179	78	78	M24 x 2.0P	5 ~ 34	5.70

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-88	P.W-68~71

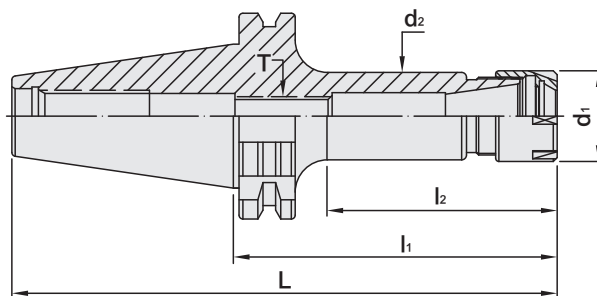


DAT / ER COLLET CHUCK

M TYPE



M 型 DAT / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
42406	DAT30 x ER11M - 70	117.8	70	40	16	15	M6 x 1.0P	1 ~ 7	0.50
42407	DAT30 x ER11M - 100	147.8	100	70	16	15	M6 x 1.0P	1 ~ 7	0.60
42409	DAT30 x ER11M - 120	167.8	120	90	16	15	M6 x 1.0P	1 ~ 7	0.70
42411	DAT30 x ER16M - 70	117.8	70	40	22	21	M10 x 1.5P	1 ~ 10	0.55
42413	DAT30 x ER16M - 100	147.8	100	70	22	21	M10 x 1.5P	1 ~ 10	0.65
42415	DAT30 x ER16M - 120	167.8	120	90	22	21	M10 x 1.5P	1 ~ 10	0.75
42417	DAT30 x ER20M - 100	147.8	100	75	28	27	M12 x 1.75P	1 ~ 13	0.70
42419	DAT30 x ER20M - 120	167.8	120	95	28	27	M12 x 1.75P	1 ~ 13	0.80
42421	DAT30 x ER20M - 150	197.8	150	125	28	27	M12 x 1.75P	1 ~ 13	1.00
42425	DAT40 x ER11M - 70	138.4	70	40	16	15	M6 x 1.0P	1 ~ 7	1.10
42427	DAT40 x ER11M - 100	168.4	100	70	16	15	M6 x 1.0P	1 ~ 7	0.96
42429	DAT40 x ER11M - 125	193.4	125	95	16	15	M6 x 1.0P	1 ~ 7	1.00
42431	DAT40 x ER11M - 150	218.4	150	120	16	15	M6 x 1.0P	1 ~ 7	1.00
42433	DAT40 x ER16M - 70	138.4	70	40	22	21	M10 x 1.5P	1 ~ 10	0.96
42435	DAT40 x ER16M - 100	168.4	100	70	22	21	M10 x 1.5P	1 ~ 10	1.00
42437	DAT40 x ER16M - 125	193.4	125	95	22	21	M10 x 1.5P	1 ~ 10	1.05
42439	DAT40 x ER16M - 150	218.4	150	120	22	21	M10 x 1.5P	1 ~ 10	1.14
42441	DAT40 x ER20M - 70	138.4	70	40	28	27	M12 x 1.75P	1 ~ 13	1.20
42443	DAT40 x ER20M - 100	168.4	100	70	28	27	M12 x 1.75P	1 ~ 13	1.55
42445	DAT40 x ER20M - 125	193.4	125	95	28	27	M12 x 1.75P	1 ~ 13	1.70
42447	DAT40 x ER20M - 150	218.4	150	120	28	27	M12 x 1.75P	1 ~ 13	1.80

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-63	P.W-88	P.W-68~71

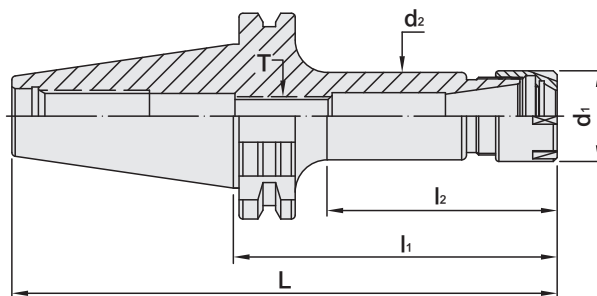


DAT / ER COLLET CHUCK

M TYPE



M 型 DAT / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
42451	DAT50 x ER11M - 70	171.75	70	40	16	15	M6 x 1.0P	1 ~ 7	3.80
42453	DAT50 x ER11M - 90	191.75	90	60	16	15	M6 x 1.0P	1 ~ 7	3.90
42455	DAT50 x ER11M - 105	206.75	105	56	16	15	M6 x 1.0P	1 ~ 7	4.00
42457	DAT50 x ER11M - 135	236.75	135	86	16	15	M6 x 1.0P	1 ~ 7	4.10
42459	DAT50 x ER11M - 165	266.75	165	98	16	15	M6 x 1.0P	1 ~ 7	4.20
42461	DAT50 x ER16M - 70	171.75	70	40	22	21	M10 x 1.5P	1 ~ 10	3.90
42463	DAT50 x ER16M - 90	191.75	90	60	22	21	M10 x 1.5P	1 ~ 10	4.00
42465	DAT50 x ER16M - 105	206.75	105	68	22	21	M10 x 1.5P	1 ~ 10	4.10
42467	DAT50 x ER16M - 135	236.75	135	98	22	21	M10 x 1.5P	1 ~ 10	4.20
42469	DAT50 x ER16M - 165	266.75	165	128	22	21	M10 x 1.5P	1 ~ 10	4.30
42471	DAT50 x ER20M - 90	191.75	90	60	28	27	M12 x 1.75P	1 ~ 13	4.10
42473	DAT50 x ER20M - 105	206.75	105	71	28	27	M12 x 1.75P	1 ~ 13	4.20
42475	DAT50 x ER20M - 135	236.75	135	101	28	27	M12 x 1.75P	1 ~ 13	4.40
42477	DAT50 x ER20M - 165	266.75	165	131	28	27	M12 x 1.75P	1 ~ 13	4.60

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

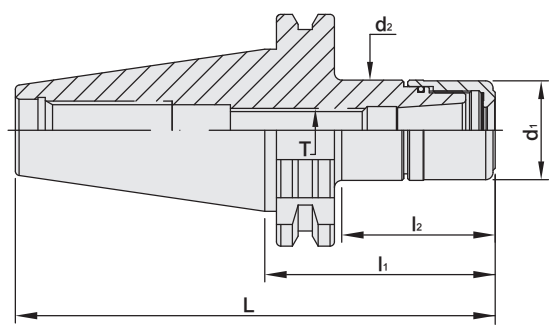
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-63	P.W-88	P.W-68~71



DAT / SK3 COLLET CHUCK

5 μ m

DAT / SK3 高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
50.763.06.060	DAT30 x SK306 - 60	107.8	60	38.9	19.5	19.5	M8 x 1.25P	3 ~ 6	0.90
50.763.06.080	DAT30 x SK306 - 80	127.8	80	58.9	19.5	19.5	M8 x 1.25P	3 ~ 6	1.00
50.763.10.060	DAT30 x SK310 - 60	107.8	60	38.9	27.5	27.5	M12 x 1.75P	3 ~ 10	0.90
50.763.10.080	DAT30 x SK310 - 80	127.8	80	58.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.00
50.763.13.060	DAT30 x SK313 - 60	107.8	60	38.9	33	33	M12 x 1.75P	3 ~ 13	1.10
50.763.13.080	DAT30 x SK313 - 80	127.8	80	58.9	33	33	M12 x 1.75P	3 ~ 13	1.00
50.763.16.060	DAT30 x SK316 - 60	107.8	60	38.9	40	40	M18 x 1.5P	3 ~ 16	1.20
50.763.16.080	DAT30 x SK316 - 80	127.8	80	58.9	40	40	M18 x 1.5P	3 ~ 16	1.30

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

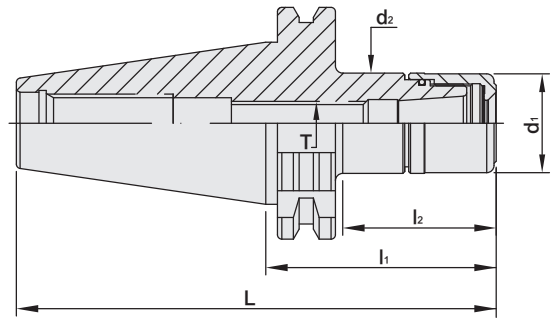
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-63	P.W-88	P.W-68~73



DAT / SK3 COLLET CHUCK

5 μ m

DAT / SK3 高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
51.763.06.080	DAT40 x SK306 - 80	148.4	80	42.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.10
51.763.06.100	DAT40 x SK306 - 100	168.4	100	62.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.30
51.763.06.120	DAT40 x SK306 - 120	188.4	120	82.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.40
51.763.10.080	DAT40 x SK310 - 80	148.4	80	50.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.10
51.763.10.100	DAT40 x SK310 - 100	168.4	100	70.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.30
51.763.10.120	DAT40 x SK310 - 120	188.4	120	90.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.40
51.763.13.080	DAT40 x SK313 - 80	148.4	80	55.9	33	33	M12 x 1.75P	3 ~ 13	1.10
51.763.13.100	DAT40 x SK313 - 100	168.4	100	75.9	33	33	M12 x 1.75P	3 ~ 13	1.30
51.763.13.120	DAT40 x SK313 - 120	188.4	120	95.9	33	33	M12 x 1.75P	3 ~ 13	1.40
51.763.16.080	DAT40 x SK316 - 80	148.4	80	55.9	40	40	M18 x 1.5P	3 ~ 16	1.20
51.763.16.100	DAT40 x SK316 - 100	168.4	100	75.9	40	40	M18 x 1.5P	3 ~ 16	1.40
51.763.16.120	DAT40 x SK316 - 120	188.4	120	95.9	40	40	M18 x 1.5P	3 ~ 16	1.50
52.763.06.080	DAT50 x SK306 - 80	181.75	80	40.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.00
52.763.06.100	DAT50 x SK306 - 100	201.75	100	60.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.10
52.763.06.120	DAT50 x SK306 - 120	221.75	120	80.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.20
52.763.10.080	DAT50 x SK310 - 80	181.75	80	50.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.10
52.763.10.100	DAT50 x SK310 - 100	201.75	100	70.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.20
52.763.10.120	DAT50 x SK310 - 120	221.75	120	90.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.30
52.763.13.080	DAT50 x SK313 - 80	181.75	80	50.9	33	33	M12 x 1.75P	3 ~ 13	4.20
52.763.13.100	DAT50 x SK313 - 100	201.75	100	70.9	33	33	M12 x 1.75P	3 ~ 13	4.30
52.763.13.120	DAT50 x SK313 - 120	221.75	120	90.9	33	33	M12 x 1.75P	3 ~ 13	4.40
52.763.16.080	DAT50 x SK316 - 80	181.75	80	50.9	40	40	M18 x 1.5P	3 ~ 16	4.30
52.763.16.100	DAT50 x SK316 - 100	201.75	100	70.9	40	40	M18 x 1.5P	3 ~ 16	4.40
52.763.16.120	DAT50 x SK316 - 120	221.75	120	90.9	40	40	M18 x 1.5P	3 ~ 16	4.50

Product information:

- ▶ Balance: reaches G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

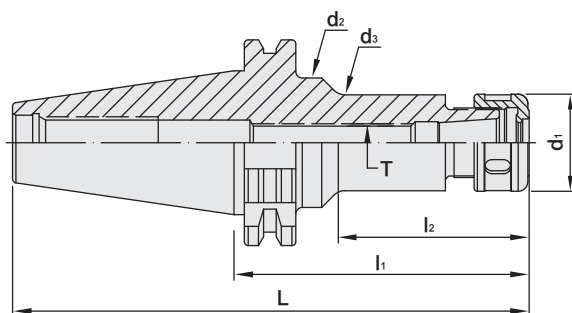
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-63	P.W-88	P.W-68~73

DAT / SKS COLLET CHUCK

5 μ m

DAT / SKS 高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
43002	DAT30 x SKS6 - 45	92.8	45	23	18	18	-	M8 x 1.25P	3 ~ 6	0.60
43004	DAT30 x SKS6 - 60	107.8	60	37	18	18	-	M8 x 1.25P	3 ~ 6	0.70
43006	DAT30 x SKS10 - 45	92.8	45	23	30	27.6	-	M12 x 1.75P	3 ~ 10	0.80
43008	DAT30 x SKS10 - 60	107.8	60	38	30	27.6	-	M12 x 1.75P	3 ~ 10	0.90
43009	DAT30 x SKS13 - 45	92.8	45	24	35	-	-	-	3 ~ 13	0.80
43009 - 60	DAT30 x SKS13 - 60	107.8	60	37	35	33	-	M12 x 1.75P	3 ~ 13	0.90
43010	DAT40 x SKS6 - 90	158.4	90	51	18	32	18	M8 x 1.25P	3 ~ 6	0.60
43011	DAT40 x SKS6 - 120	188.4	120	81	18	32	18	M8 x 1.25P	3 ~ 6	0.70
43012	DAT40 x SKS10 - 90	158.4	90	52	30	40	27.6	M12 x 1.75P	3 ~ 10	1.20
43014	DAT40 x SKS10 - 120	188.4	120	82	30	40	27.6	M12 x 1.75P	3 ~ 10	1.40
43015	DAT40 x SKS13 - 90	158.4	90	67	35	33	-	M12 x 1.75P	3 ~ 13	1.30
43015 - 120	DAT40 x SKS13 - 120	188.4	120	97	35	33	-	M12 x 1.75P	3 ~ 13	1.50
43016	DAT40 x SKS16 - 90	158.4	90	65	40	40	-	M18 x 1.5P	3 ~ 16	1.30
43018	DAT40 x SKS16 - 120	188.4	120	95	40	40	-	M18 x 1.5P	3 ~ 16	1.50
43020	DAT40 x SKS20 - 90	158.4	90	70	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.30
43022	DAT40 x SKS20 - 120	188.4	120	100	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.50
43026	DAT40 x SKS25 - 90	158.4	90	70	55	49.85	-	M28 x 2.0P	3 ~ 25.4	1.30
43028	DAT40 x SKS25 - 120	188.4	120	100	55	49.85	-	M28 x 2.0P	3 ~ 25.4	1.50

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

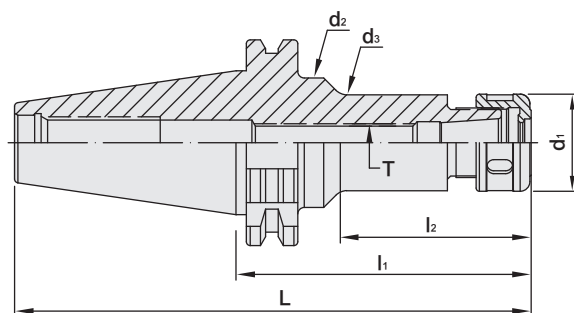
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-63	P.W-88	P.W-68~73



DAT / SKS COLLET CHUCK

5 μ m

DAT / SKS 高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGER	WEIGHT (KGS)
43032	DAT50 x SKS6 - 105	206.75	105	64	18	32	18	M8 x 1.25P	3 ~ 6	4.20
43034	DAT50 x SKS6 - 165	266.75	165	124	18	32	18	M8 x 1.25P	3 ~ 6	4.60
43036	DAT50 x SKS10 - 105	206.75	105	70	30	40	30	M12 x 1.75P	3 ~ 10	4.20
43038	DAT50 x SKS10 - 165	266.75	165	130	30	40	30	M12 x 1.75P	3 ~ 10	4.60
43040	DAT50 x SKS13 - 105	206.75	105	80	35	33	-	M12 x 1.75P	3 ~ 13	4.20
43041	DAT50 x SKS13 - 165	266.75	165	140	35	33	-	M12 x 1.75P	3 ~ 13	4.60
43042	DAT50 x SKS16 - 105	206.75	105	75	40	40	-	M18 x 1.5P	3 ~ 16	4.30
43044	DAT50 x SKS16 - 165	266.75	165	127	40	52	40	M18 x 1.5P	3 ~ 16	4.70
43046	DAT50 x SKS20 - 105	206.75	105	80	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.30
43048	DAT50 x SKS20 - 165	266.75	165	140	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.70
43052	DAT50 x SKS25 - 105	206.75	105	80	55	55	-	M28 x 2.0P	3 ~ 25.4	5.00
43054	DAT50 x SKS25 - 165	266.75	165	140	55	55	-	M28 x 2.0P	3 ~ 25.4	5.30

МАШСЕРВИС

Product information:

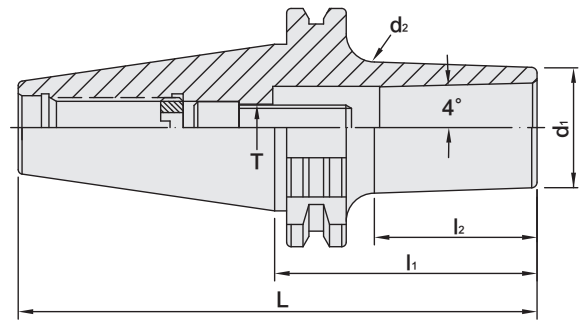
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
				
P.W-29~32	P.W-53~54	P.W-63	P.W-88	P.W-68~73

DAT / SBL SLIM-FIT COLLET CHUCK

DAT / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
45352	DAT30 x SBL6 - 70	117.8	70	41	14	18	M6 x 1.0P	12	9	3 ~ 6	0.39
45354	DAT30 x SBL6 - 100	147.8	100	71	14	21	M6 x 1.0P	12	9	3 ~ 6	0.40
45356	DAT30 x SBL12 - 70	117.8	70	48	26	31	M10 x 1.5P	45	33	3 ~ 12	0.42
45358	DAT30 x SBL12 - 100	147.8	100	78	26	34	M10 x 1.5P	45	33	3 ~ 12	0.43
45362	DAT30 x SBL20 - 80	127.8	80	58	34	38	M12 x 1.75P	60	44	3 ~ 20	0.44
45364	DAT30 x SBL20 - 100	147.8	100	79	34	39	M12 x 1.75P	60	44	3 ~ 20	0.45
45368	DAT40 x SBL6 - 70	138.4	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	1.00
45370	DAT40 x SBL6 - 100	168.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.10
45371 - 100	DAT40 x SBL8 - 100	168.4	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	1.25
45371 - 130	DAT40 x SBL8 - 130	198.4	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	1.19
45371 - 150	DAT40 x SBL8 - 150	218.4	150	121.4	20	32.6	M8 x 1.25P	29	21	3 ~ 8	1.32
45372	DAT40 x SBL12 - 70	138.4	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	1.20
45374	DAT40 x SBL12 - 100	168.4	100	71	26	32	M10 x 1.5P	45	33	3 ~ 12	1.30
45374 - 170	DAT40 x SBL12 - 170	238.4	170	146	26	38	M10 x 1.5P	45	33	3 ~ 12	2.00
45376	DAT40 x SBL20 - 70	138.4	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	1.30
45378	DAT40 x SBL20 - 100	168.4	100	78	35	41	M12 x 1.75P	60	44	3 ~ 20	1.40
45379	DAT40 x SBL25 - 80	148.4	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25	1.50
45379 - 100	DAT40 x SBL25 - 100	168.4	100	79	40	46	M16 x 2.0P	90	66	3 ~ 25	1.60
45380	DAT50 x SBL6 - 70	171.75	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	2.80
45382	DAT50 x SBL6 - 100	201.75	100	66	14	20	M6 x 1.0P	12	9	3 ~ 6	2.90
45383 - 100	DAT50 x SBL8 - 100	201.75	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	2.81
45383 - 130	DAT50 x SBL8 - 130	231.75	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	2.98
45383 - 150	DAT50 x SBL8 - 150	281.75	150	121.4	20	32.7	M8 x 1.25P	29	21	3 ~ 8	3.11
45384	DAT50 x SBL12 - 70	171.75	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	3.00
45386	DAT50 x SBL12 - 100	201.75	100	71	26	32	M10 x 1.5P	45	33	3 ~ 12	3.10
45388	DAT50 x SBL20 - 70	171.75	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	3.20
45390	DAT50 x SBL20 - 100	201.75	100	71	35	41	M12 x 1.75P	60	44	3 ~ 20	3.30
45391	DAT50 x SBL20 - 170	271.75	170	139	40	47	M12 x 1.75P	60	44	3 ~ 20	3.90
45392	DAT50 x SBL25 - 70	171.75	70	39	40	43	M16 x 2.0P	90	66	3 ~ 25	3.20
45394	DAT50 x SBL25 - 100	201.75	100	71	40	46	M16 x 2.0P	90	66	3 ~ 25	3.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Collet	Pull Stud	Screw	Spanner
P.W-33	P.W-63	P.W-91	P.W-72

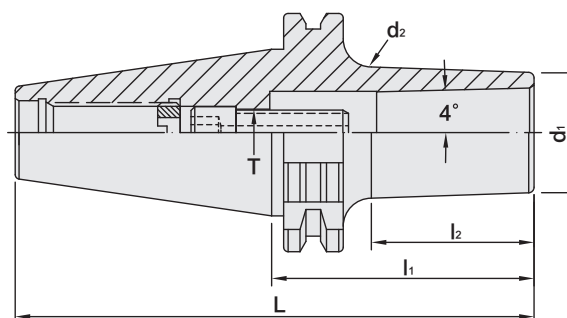


DAT / SBLC SLIM-FIT COLLET CHUCK

DAT / SBLC 後拉式立銑刀夾頭



T W PAT NO. M274178



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
45352C	DAT30 x SBLC6 - 70	117.8	70	41	14	18	M6 x 1.0P	12	9	3 ~ 6	0.39
45354C	DAT30 x SBLC6 - 100	147.8	100	71	14	21	M6 x 1.0P	12	9	3 ~ 6	0.40
45356C	DAT30 x SBLC12 - 70	117.8	70	48	26	31	M10 x 1.5P	45	33	3 ~ 12	0.42
45358C	DAT30 x SBLC12 - 100	147.8	100	78	26	34	M10 x 1.5P	45	33	3 ~ 12	0.43
45362C	DAT30 x SBLC20 - 80	127.8	80	58	34	38	M12 x 1.75P	60	44	3 ~ 20	0.44
45364C	DAT30 x SBLC20 - 100	147.8	100	79	34	39	M12 x 1.75P	60	44	3 ~ 20	0.45
45368C	DAT40 x SBLC6 - 70	138.4	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	1.00
45370C	DAT40 x SBLC6 - 100	168.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.10
45371C - 100	DAT40 x SBLC8 - 100	168.4	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	1.25
45371C - 130	DAT40 x SBLC8 - 130	198.4	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	1.19
45371C - 150	DAT40 x SBLC8 - 150	218.4	150	121.4	20	32.6	M8 x 1.25P	29	21	3 ~ 8	1.32
45372C	DAT40 x SBLC12 - 70	138.4	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	1.20
45374C	DAT40 x SBLC12 - 100	168.4	100	71	26	32	M10 x 1.5P	45	33	3 ~ 12	1.30
45374C - 170	DAT40 x SBLC12 - 170	238.4	170	146	26	38	M10 x 1.5P	45	33	3 ~ 12	2.00
45376C	DAT40 x SBLC20 - 70	138.4	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	1.30
45378C	DAT40 x SBLC20 - 100	168.4	100	78	35	41	M12 x 1.75P	60	44	3 ~ 20	1.40
45379C	DAT40 x SBLC25 - 80	148.4	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25	1.50
45379C - 100	DAT40 x SBLC25 - 100	168.4	100	79	40	46	M16 x 2.0P	90	66	3 ~ 25	1.60
45380C	DAT50 x SBLC6 - 70	171.75	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	2.80
45382C	DAT50 x SBLC6 - 100	201.75	100	66	14	20	M6 x 1.0P	12	9	3 ~ 6	2.90
45383C - 100	DAT50 x SBLC8 - 100	201.75	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	2.81
45383C - 130	DAT50 x SBLC8 - 130	231.75	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	2.98
45383C - 150	DAT50 x SBLC8 - 150	281.75	150	121.4	20	32.7	M8 x 1.25P	29	21	3 ~ 8	3.11
45384C	DAT50 x SBLC12 - 70	171.75	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	3.00
45386C	DAT50 x SBLC12 - 100	201.75	100	71	26	32	M10 x 1.5P	45	33	3 ~ 12	3.10
45388C	DAT50 x SBLC20 - 70	171.75	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	3.20
45390C	DAT50 x SBLC20 - 100	201.75	100	71	35	41	M12 x 1.75P	60	44	3 ~ 20	3.30
45391C	DAT50 x SBLC20 - 170	271.75	170	139	40	47	M12 x 1.75P	60	44	3 ~ 20	3.90
45392C	DAT50 x SBLC25 - 70	171.75	70	39	40	43	M16 x 2.0P	90	66	3 ~ 25	3.20
45394C	DAT50 x SBLC25 - 100	201.75	100	71	40	46	M16 x 2.0P	90	66	3 ~ 25	3.40

Product information:

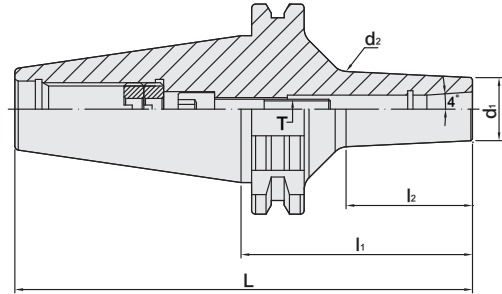
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-63	P.W-91	P.W-72

DAT / EBL SLIM-FIT COLLET CHUCK

DAT / EBL 後拉式刀桿

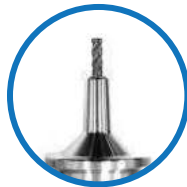


MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
46912	DAT30 x EBL6 - 70	117.8	70	41.6	19.05	23.1	M6 x 1.0P	12	9	3 ~ 6	0.51
46912 - 100	DAT30 x EBL6 - 100	147.8	100	73.1	19.05	26.2	M6 x 1.0P	12	9	3 ~ 6	0.60
46922	DAT40 x EBL6 - 70	138.4	70	38.2	19.05	22.7	M6 x 1.0P	12	9	3 ~ 6	0.99
46922 - 100	DAT40 x EBL6 - 100	168.4	100	69.7	19.05	25.8	M6 x 1.0P	12	9	3 ~ 6	1.09
46924	DAT40 x EBL8 - 70	138.4	70	36.5	22.225	25.8	M8 x 1.25P	29	21	3 ~ 8	1.01
46924 - 100	DAT40 x EBL8 - 100	168.4	100	68.1	22.225	28.8	M8 x 1.25P	29	21	3 ~ 8	1.13
46932	DAT50 x EBL6 - 70	171.75	70	38.2	19.05	22.7	M6 x 1.0P	12	9	3 ~ 6	2.77
46932 - 100	DAT50 x EBL6 - 100	201.75	100	69.7	19.05	25.8	M6 x 1.0P	12	9	3 ~ 6	2.80
46934	DAT50 x EBL8 - 70	171.75	70	36.5	22.225	25.8	M8 x 1.25P	29	21	3 ~ 8	2.79
46934 - 100	DAT50 x EBL8 - 100	201.75	10	68.1	22.225	28.8	M8 x 1.25P	29	21	3 ~ 8	2.85

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
P.W-35	P.W-36	P.W-63	P.W-72



DAT / MLD MULTI-LOCK MILLING CHUCK

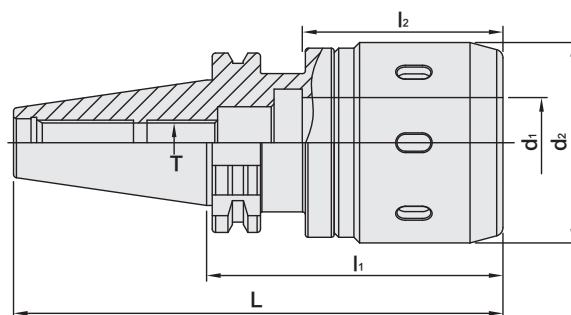
DAT / MLD 直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
41350G	DAT30 x MLD12 - 80	127.8	80	46.7	12	42	M12 x 1.75P	1.40
41351G	DAT30 x MLD16 - 80	127.8	80	56.7	16	48	M12 x 1.75P	1.60
41352G	DAT30 x MLD20 - 85	132.8	85	59.3	20	56.5	M16 x 2.0P	1.90
41354G	DAT30 x MLD20 - 100	147.8	100	59.3	20	56.5	M16 x 2.0P	2.10
41353G	DAT40 x MLD12 - 75	143.4	75	46.7	12	42	M12 x 1.75P	2.10
41355G	DAT40 x MLD16 - 80	148.4	80	56.7	16	48	M12 x 1.75P	2.20
41356G	DAT40 x MLD20 - 85	153.4	85	59.3	20	56.5	M16 x 2.0P	2.40
41358G	DAT40 x MLD20 - 135	203.4	135	59.3	20	56.5	M16 x 2.0P	2.50
41362G	DAT40 x MLD25 - 95	163.4	95	58.2	25	60	M16 x 2.0P	2.00
41364G	DAT40 x MLD32 - 105	173.4	105	71.7	32	71	M16 x 2.0P	2.70
41366G	DAT40 x MLD32 - 135	203.4	135	71.7	32	71	M16 x 2.0P	3.00
41367G	DAT50 x MLD12 - 75	176.75	75	46.7	12	42	M12 x 1.75P	3.20
41372G	DAT50 x MLD16 - 75	176.75	75	56.7	16	48	M12 x 1.75P	3.20
41368G	DAT50 x MLD20 - 105	206.75	105	59.3	20	56.5	M16 x 2.0P	4.50
41370G	DAT50 x MLD20 - 150	251.75	150	59.3	20	56.5	M16 x 2.0P	4.90
41374G	DAT50 x MLD25 - 105	206.75	105	58.2	25	60	M24 x 3.0P	4.10
41376G	DAT50 x MLD32 - 105	206.75	105	71.7	32	71	M24 x 3.0P	5.10
41378G	DAT50 x MLD32 - 135	236.75	135	71.7	32	71	M24 x 3.0P	5.90
41380G	DAT50 x MLD42 - 115	216.75	115	84.8	42	90	M24 x 3.0P	5.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance of the cutting tool shank must be less than h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

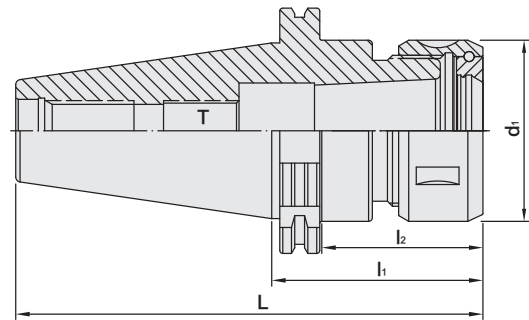
Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-63	P.W-88	P.W-71~72	P.W-73

DAT / EOC COLLET CHUCK



DAT / EOC 立銑刀夾頭

(DIN ISO 10897)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	T	SIZE RANGE	WEIGHT (KGS)
42001	DAT30 x EOC25 - 80	127.8	80	60	60	M12 x 1.75P	3 ~ 25	1.50
42011	DAT40 x EOC25 - 80	148.4	80	60	60	M16 x 2.0P	3 ~ 25	1.85
42012	DAT40 x EOC25 - 100	168.4	100	80	60	M16 x 2.0P	3 ~ 25	2.30
42013	DAT40 x EOC25 - 120	188.4	120	100	60	M16 x 2.0P	3 ~ 25	2.55
42015	DAT40 x EOC32 - 90	158.4	90	70	72	M20 x 2.0P	4 ~ 32	1.95
42017	DAT40 x EOC32 - 120	188.4	120	100	72	M20 x 2.0P	4 ~ 32	2.35
42021	DAT50 x EOC25 - 70	171.75	70	50	60	M16 x 2.0P	3 ~ 25	3.25
42023	DAT50 x EOC25 - 140	241.75	140	115	60	M16 x 2.0P	3 ~ 25	5.10
42025	DAT50 x EOC32 - 80	181.75	80	60	72	M24 x 2.0P	4 ~ 32	4.40
42027	DAT50 x EOC32 - 140	241.75	140	120	72	M24 x 2.0P	4 ~ 32	5.70

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

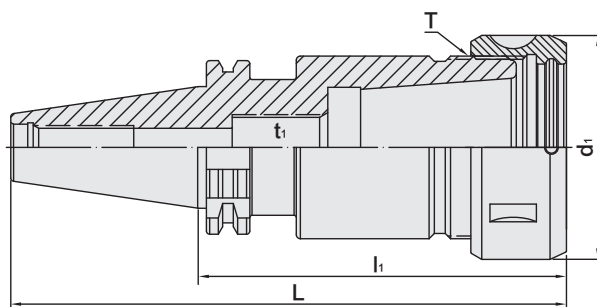
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-41	P.W-57	P.W-63	P.W-88	P.W-68~72



DAT / TG COLLET CHUCK



DAT / TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	t ₁	T	SIZE RANGE	WEIGHT (KGS)
42101	DAT30 x TG75 - 70	117.8	70	50	M16 x 2.0P	TW 1-1/2" - 12	3 ~ 16	1.10
42107	DAT30 x TG100 - 80	127.8	80	60	M12 x 1.75P	TW 1-7/8" - 12	3 ~ 25	1.20
42120	DAT40 x TG100 - 80	148.4	80	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.20
42123	DAT40 x TG100 - 100	168.4	100	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.30
42126	DAT40 x TG100 - 120	188.4	120	60	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	2.40
42129	DAT40 x TG150 - 105	173.4	105	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.70
42132	DAT40 x TG150 - 120	188.4	120	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.90
42135	DAT40 x TG150 - 135	203.4	135	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	3.20
42158	DAT50 x TG100 - 70	171.75	70	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	3.40
42161	DAT50 x TG100 - 100	201.75	100	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	4.40
42164	DAT50 x TG100 - 120	221.75	120	60	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	5.10
42167	DAT50 x TG150 - 100	201.75	100	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	5.70
42170	DAT50 x TG150 - 120	221.75	120	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	6.10
42173	DAT50 x TG150 - 150	251.75	150	82	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	6.50

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

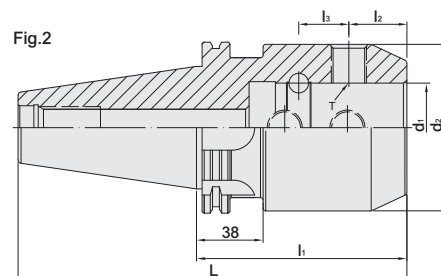
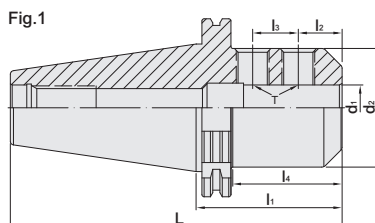
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-42~44	P.W-57	P.W-63	P.W-88	P.W-72



DAT / SLN SIDE LOCK END MILL HOLDER

DAT / SLN 側固式立銑刀柄

(DIN 1835)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	Fig	WEIGHT (KGS)
42901	DAT30 x SLN6 - 50	97.8	50	18	-	25	6	25	M6 x 1.0P	1	0.73
42902	DAT30 x SLN8 - 50	97.8	50	18	-	27	8	28	M8 x 1.25P	1	0.80
42903	DAT30 x SLN10 - 50	97.8	50	20	-	27	10	35	M10 x 1.5P	1	0.90
42904	DAT30 x SLN12 - 50	97.8	50	22.5	-	29	12	42	M12 x 1.75P	1	0.90
42905	DAT30 x SLN16 - 63	110.8	63	24	-	43	16	45	M14 x 2.0P	1	1.10
42911	DAT40 x SLN6 - 50	118.4	50	18	-	27	6	25	M6 x 1.0P	1	0.85
42913	DAT40 x SLN8 - 50	118.4	50	18	-	27	8	28	M8 x 1.25P	1	1.00
42915	DAT40 x SLN10 - 50	118.4	50	20	-	27	10	35	M10 x 1.5P	1	1.10
42917	DAT40 x SLN12 - 50	118.4	50	22.5	-	30	12	42	M12 x 1.75P	1	1.15
42918	DAT40 x SLN14 - 63	131.4	63	22.5	-	40.9	14	44	M12 x 1.75P	1	1.30
42919	DAT40 x SLN16 - 63	131.4	63	24	-	43	16	48	M14 x 2.0P	1	1.40
42921	DAT40 x SLN20 - 63	131.4	63	25	-	43	20	52	M16 x 2.0P	1	1.30
42923	DAT40 x SLN25 - 100	168.4	100	24	25	65	25	65	M18 x 2.0P	1	2.40
42925	DAT40 x SLN32 - 100	168.4	100	24	28	65	32	72	M20 x 2.0P	1	2.70
42931	DAT50 x SLN6 - 63	164.75	63	18	-	33	6	25	M6 x 1.0P	1	3.10
42933	DAT50 x SLN8 - 63	164.75	63	18	-	33	8	28	M6 x 1.0P	1	3.10
42935	DAT50 x SLN10 - 63	164.75	63	20	-	33	10	35	M10 x 1.5P	1	3.30
42937	DAT50 x SLN12 - 63	164.75	63	22.5	-	40	12	42	M12 x 1.75P	1	3.50
42938	DAT50 x SLN14 - 63	164.75	63	22.5	-	40.9	14	44	M12 x 1.75P	1	3.50
42939	DAT50 x SLN16 - 63	164.75	63	24	-	40	16	48	M14 x 2.0P	1	3.45
42941	DAT50 x SLN20 - 63	164.75	63	25	-	40	20	52	M16 x 2.0P	1	3.50
42943	DAT50 x SLN25 - 80	181.75	80	24	25	59	25	65	M18 x 2.0P	1	4.20
42945	DAT50 x SLN32 - 100	201.75	100	24	28	78	32	72	M20 x 2.0P	1	5.00
42947	DAT50 x SLN40 - 100	201.75	100	30	32	80	40	90	M20 x 2.0P	1	5.60
42949	DAT50 x SLN42 - 100	201.75	100	30	32	80	42	90	M20 x 2.0P	1	5.70
42951	DAT50 x SLN50 - 125	226.75	125	35	35	85	50	100	M24 x 2.0P	1	5.90
42952	DAT50 x SLN50.8 - 120	221.75	120	33.1	28.58	82	50.8	95	M20 x 2.0P	2	5.80
42953	DAT50 x SLN63 - 150	251.75	150	40	40	112	63	125	M20 x 2.0P	1	6.20
42955	DAT50 x SLN63 - 150	251.75	150	40	24	112	63	125	M16 x 2.0P	2	6.20

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance of tool shank diameter is within h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Lock Screw
	
P.W-63	P.W-90

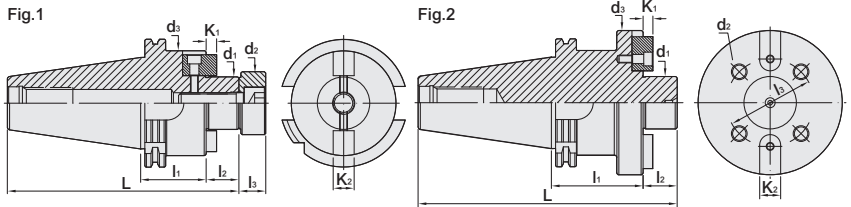


DAT FACE MILL ARBOR

FMB TYPE

DAT / FMB 平面銑刀柄

(DIN 6357-B)





MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K ₁	K ₂	Fig	WEIGHT (KGS)
42701	DAT30 x FMB22 - 35	101.8	35	19	14	22	26	45	5	10	1	1.00
42703	DAT30 x FMB27 - 55	122.8	55	20	16	27	31.5	58	5	12	1	1.05
42711	DAT40 x FMB22 - 35	122.4	35	19	14	22	26	48	5	10	1	1.20
42713	DAT40 x FMB27 - 60	148.4	60	20	16	27	31.5	58	5	12	1	1.80
42715	DAT40 x FMB32 - 60	150.4	60	22	16	32	41	66	6	14	1	2.00
42717	DAT40 x FMB40 - 60	153.4	60	25	20.5	40	48	80	8	16	1	2.60
42721	DAT50 x FMB22 - 35	155.75	35	19	14	22	26	48	5	10	1	3.40
42723	DAT50 x FMB27 - 35	156.75	35	20	16	27	31.5	60	5	12	1	3.50
42725	DAT50 x FMB32 - 35	158.75	35	22	16	32	41	66	6	14	1	3.70
42727	DAT50 x FMB40 - 50	176.75	50	25	20.5	40	48	80	8	16	1	4.70
42729	DAT50 x FMB50 - 60	191.75	60	30	25	50	68	95	10	19	1	5.80
42761	DAT40 x FMB40F - 60	158.4	60	30	-	40	M12	89	7.9	16	2	2.90
42763	DAT50 x FMB40F - 70	201.75	70	30	-	40	M12	89	7.9	16	2	5.50
42765	DAT50 x FMB60F - 70	211.75	70	40	-	60	M16	129	12.5	25.4	2	5.70
42775	DAT50 x FS60 - 70	196.75	70	25	-	60	M16	140	12.5	25.4	2	5.50

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

Pull Stud	Screw
	
P.W-63	P.W-90



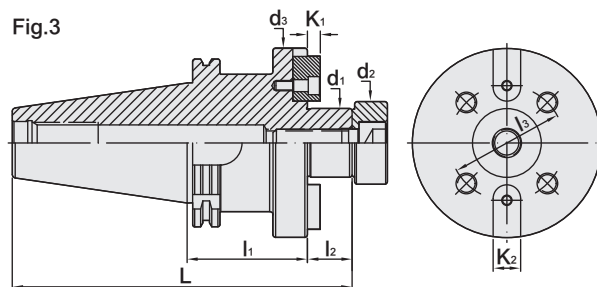
DAT FACE MILL ARBOR

FMB TYPE

DAT

DAT 平面铣刀柄

(DIN 6357-B)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K ₁	K ₂	Fig	WEIGHT (KGS)
42771	DAT40 x FS40 - 60	154.4	60	26	66.7	40	48	110	7.5	16	3	3.20
42773	DAT50 x FS40 - 70	197.75	70	26	66.7	40	48	110	7.5	16	3	5.70

МАШСЕРВИС

Features:

- ▶ d1 tolerance: h6.
- ▶ Coolant through tool holder; screw with coolant flute needs to be purchased additionally.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Screw
	
P.W-63	P.W-90

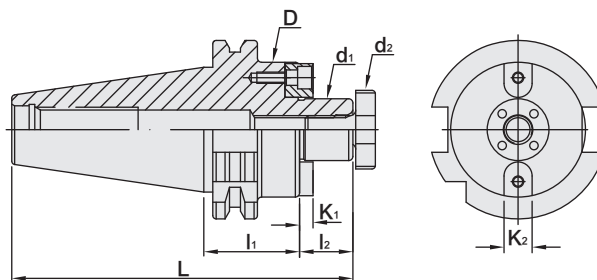


DAT FACE MILL ARBOR

FMC TYPE

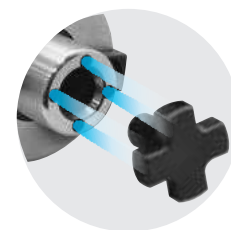
DAT / FMC 平面銑刀柄

[DIN 6357-B]



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
50.157.16.060	DAT30 x FMC16 - 60	124.8	60	17	38	16	20	5	8	0.84
50.157.22.060	DAT30 x FMC22 - 60	126.8	60	19	50	22	28	4.8	10	0.91
50.157.27.060	DAT30 x FMC27 - 60	128.8	60	21	60	27	35	5.8	12	1.11
51.157.16.050	DAT40 x FMC16 - 50	135.4	50	17	38	16	20	5	8	1.25
51.157.22.050	DAT40 x FMC22 - 50	137.4	50	19	50	22	28	4.8	10	1.32
51.157.27.060	DAT40 x FMC27 - 60	149.4	60	21	60	27	35	5.8	12	1.55
51.157.32.060	DAT40 x FMC32 - 60	152.4	60	24	78	32	42	6.8	14	1.85
52.157.16.050	DAT50 x FMC16 - 50	168.75	50	17	40	16	20	5	8	3.01
52.157.22.050	DAT50 x FMC22 - 50	170.75	50	19	50	22	28	4.8	10	3.08
52.157.27.050	DAT50 x FMC27 - 50	172.75	50	21	60	27	35	5.8	12	3.28
52.157.32.060	DAT50 x FMC32 - 60	185.75	60	24	78	23	42	6.8	14	3.61
52.157.40.070	DAT50 x FMC40 - 70	198.75	70	27	89	40	52	8.3	16	4.21

МАШСЕРВИС



Features:

- ▶ With four coolant holes at the end of holder.

Product information:

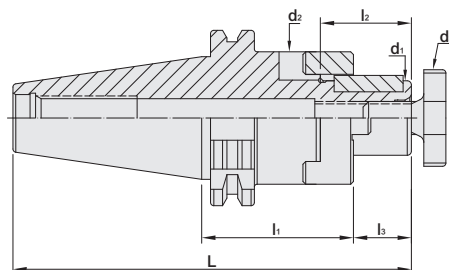
- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

Nut	Pull Stud	Spanner
		
P.W-67	P.W-63	P.W-67

DAT / CSR COMBI SHELL END MILL ARBOR

DAT / CSR 聯結式 銑刀柄

(DIN 6358-B)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
42800	DAT30 x CSR16 - 50	114.8	50	27	17	16	32	20	1.40
42801	DAT30 x CSR22 - 50	116.8	50	31	19	22	40	28	1.60
42803	DAT30 x CSR27 - 55	123.8	55	33	21	27	48	35	1.80
42810	DAT40 x CSR16 - 55	140.4	55	27	17	16	32	20	1.20
42811	DAT40 x CSR22 - 55	142.4	55	31	19	22	40	28	1.50
42813	DAT40 x CSR27 - 55	144.4	55	33	21	27	48	35	1.90
42815	DAT40 x CSR32 - 60	152.4	60	38	24	32	58	42	2.40
42817	DAT40 x CSR40 - 60	155.4	60	41	27	40	70	52	3.00
42820	DAT50 x CSR16 - 55	173.75	55	27	17	16	32	20	4.40
42821	DAT50 x CSR22 - 55	175.75	55	31	19	22	40	28	4.60
42823	DAT50 x CSR27 - 55	177.75	55	33	21	27	48	35	4.80
42825	DAT50 x CSR32 - 55	180.75	55	38	24	32	58	42	5.00
42827	DAT50 x CSR40 - 55	183.75	55	41	27	40	70	52	5.20
42829	DAT50 x CSR50 - 70	201.75	70	46	30	50	90	63	5.40

МАШГЕРВИС

Features:

- ▶ Shank includes removable ring, nut and spanner.
- ▶ Can purchase removable ring, nut, and spanner separately.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

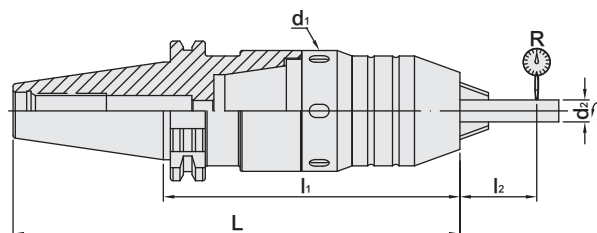
Key	Removable Ring	Nut	Pull Stud	Spanner
				
P.W-67	P.W-67	P.W-67	P.W-63	P.W-67



DAT / SPH DRILL CHUCK ADAPTER

INTEGRATED TYPE

DAT / SPH 直結式鑽夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
42536	DAT40 x SPH8 - 90	158.4	90	55	42	6	0.04	1.78
42542	DAT40 x SPH13 - 115	183.4	115	75	54	13	0.04	2.33
42544	DAT40 x SPH13 - 135	203.4	135	75	54	13	0.04	2.63
42550	DAT40 x SPH16 - 130	198.4	130	80	62	13	0.04	2.83
42554	DAT40 x SPH16 - 150	218.4	150	80	62	13	0.04	3.18
42560	DAT50 x SPH8 - 85	186.75	85	55	42	6	0.04	2.33
42564	DAT50 x SPH13 - 100	201.75	100	75	54	13	0.04	2.63
42568	DAT50 x SPH13 - 120	221.75	120	75	54	13	0.04	2.83
42572	DAT50 x SPH16 - 100	201.75	100	80	62	13	0.04	3.15
42576	DAT50 x SPH16 - 120	221.75	120	80	62	13	0.04	3.25

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, drill chuck would not fall off.
- ▶ Used for drilling & tapping.
- ▶ The clamping capacity of SPH8 is 1~8mm.
- ▶ The clamping capacity of SPH13 is 1~13mm.
- ▶ The clamping capacity of SPH16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • SPANNER

Pull Stud

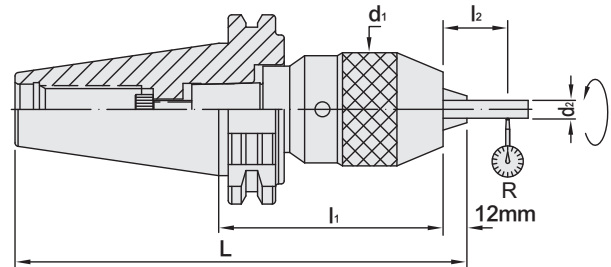


P.W-63



DAT / SPU DRILL CHUCK ADAPTER

DAT / SPU 直結式鑽夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
42480	DAT30 x SPU8 - 80	139.8	80	55	37	6	0.04	0.60
42482	DAT30 x SPU13 - 120	179.8	120	75	50	13	0.04	1.45
42483	DAT30 x SPU16 - 120	179.8	120	75	57	16	0.04	1.78
42485	DAT40 x SPU8 - 75	155.4	75	55	37	6	0.04	1.32
42487	DAT40 x SPU13 - 100	176.4	96	75	50	13	0.04	1.92
42488	DAT40 x SPU16 - 115	195.4	115	80	57	16	0.04	2.28
42489	DAT50 x SPU8 - 75	188.75	75	55	37	6	0.04	3.86
42495	DAT50 x SPU13 - 100	213.75	100	75	50	13	0.04	4.40
42496	DAT50 x SPU16 - 105	218.75	105	80	57	16	0.04	4.48

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, drill chuck would not fall off.
- ▶ Used for drilling.
- ▶ The clamping capacity of SPU8 is 1~8mm.
- ▶ The clamping capacity of SPU13 is 1~13mm.
- ▶ The clamping capacity of SPU16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

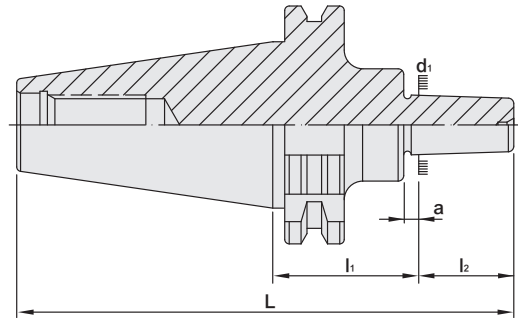
Standard Accessory: • SPANNER

Pull Stud	Spanner
	
P.W-63	P.W-72



DAT DRILL CHUCK ARBOR

DAT 鑽夾頭刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	a	WEIGHT (KGS)
42605	DAT30 x JTA6 - 40	113.2	40	25.4	17.17	4	0.90
42617	DAT40 x JTA6 - 40	133.8	40	25.4	17.17	4	1.30
42627	DAT50 x JTA6 - 40	167.15	40	25.4	17.17	4	3.40
42601	DAT30 x B12 - 40	106.3	40	18.5	12.065	3.5	0.70
42603	DAT30 x B16 - 40	111.8	40	24	15.733	5	1.10
42611	DAT40 x B12 - 40	126.9	40	18.5	12.065	3.5	1.25
42613	DAT40 x B16 - 40	132.4	40	24	15.733	5	1.30
42615	DAT40 x B18 - 40	140.4	40	32	17.78	5	1.40
42621	DAT50 x B12 - 40	160.25	40	18.5	12.065	3.5	3.10
42623	DAT50 x B16 - 40	165.75	40	24	15.733	5	3.20
42625	DAT50 x B18 - 40	173.75	40	32	17.78	5	3.30

МАШСЕРВИС

Features:

- ▶ For Drill Chuck with DIN 238.

Product information:

- ▶ The pre-balance reaches G6.3 8 ,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Keyless Drill Chuck

Pull Stud



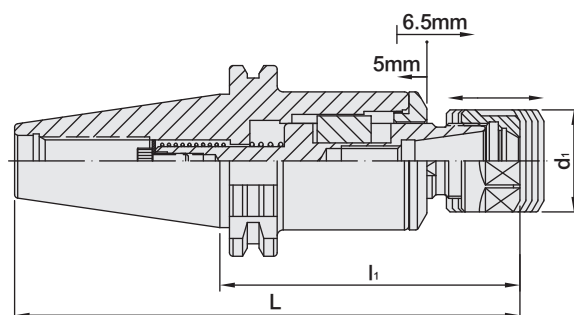
P.W-83

P.W-63

DAT EXPANSION ER TAPPER



DAT / ETP 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
42362	DAT40 x ETP16A - 120	188.4	120	28	ER16	M3 - M10	1.65
42364	DAT40 x ETP16A - 150	218.4	150	28	ER16	M3 - M10	1.85
42366	DAT40 x ETP20A - 100	168.4	100	34	ER20	M3 - M16	1.50
42368	DAT40 x ETP20A - 150	218.4	150	34	ER20	M3 - M16	1.90
42370	DAT40 x ETP20M - 200	268.4	200	28	ER20	M3 - M16	2.15
42372	DAT40 x ETP32 - 120	188.4	120	50	ER32	M3 - M27	2.10
42380	DAT50 x ETP16A - 120	221.75	120	28	ER16	M3 - M10	4.30
42382	DAT50 x ETP16A - 150	251.75	150	28	ER16	M3 - M10	4.50
42384	DAT50 x ETP20A - 100	201.75	100	34	ER20	M3 - M16	4.30
42386	DAT50 x ETP20A - 150	251.75	150	34	ER20	M3 - M16	4.60
42388	DAT50 x ETP20M - 200	301.75	200	28	ER20	M3 - M16	4.70
42390	DAT50 x ETP32 - 120	221.75	120	50	ER32	M3 - M27	4.65

МАШСЕРВИС

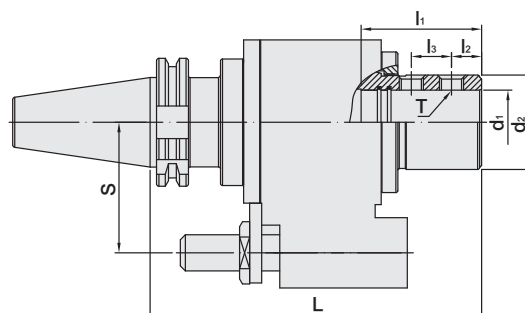
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10,20~25	P.W-48	P.W-63	P.W-88	P.W-68~71



DAT SIDE LOCK OIL HOLE HOLDER

DAT / OSL 側固式油路刀把







MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	S	d ₁	d ₂	T	WEIGHT (KGS)
48001	DAT40 x OSL16 - 165	165	48	25	-	65	16	46.5	M12 x 1.75P	3.50
48003	DAT40 x OSL20 - 165	165	50	25	-	65	20	46.5	M12 x 1.75P	3.50
48005	DAT40 x OSL25 - 165	165	56	15	20	65	25	46.5	M12 x 1.75P	3.50
48007	DAT40 x OSL32 - 165	165	60	15	20	65	32	47	M12 x 1.75P	3.50
48002	DAT40 x OSL16 - 165S	165	48	25	-	60	16	46.5	M12 x 1.75P	3.50
48004	DAT40 x OSL20 - 165S	165	50	25	-	60	20	46.5	M12 x 1.75P	3.50
48006	DAT40 x OSL25 - 165S	165	56	15	20	60	25	46.5	M12 x 1.75P	3.50
48008	DAT40 x OSL32 - 165S	165	60	15	20	60	32	47	M12 x 1.75P	3.80
48009	DAT50 x OSL16 - 165	165	48	25	-	80	16	56	M14 x 2.0P	7.00
48011	DAT50 x OSL20 - 165	165	50	25	-	80	20	56	M12 x 1.75P	7.50
48013	DAT50 x OSL25 - 165	165	56	15	20	80	25	56	M16 x 2.0P	7.50
48015	DAT50 x OSL32 - 170	170	60	15	20	80	32	56	M16 x 2.0P	7.80
48017	DAT50 x OSL40 - 170	170	62	15	25	80	40	56	M14 x 2.0P	8.50
48019	DAT50 x OSL16 - 165M	165	48	25	-	82	16	56	M14 x 2.0P	7.10
48021	DAT50 x OSL20 - 165M	165	50	25	-	82	20	56	M12 x 1.75P	7.60
48023	DAT50 x OSL25 - 165M	165	56	15	20	82	25	56	M16 x 2.0P	7.70
48025	DAT50 x OSL32 - 170M	170	60	15	20	82	32	56	M16 x 2.0P	7.80
48027	DAT50 x OSL40 - 170M	170	62	15	25	82	40	56	M14 x 2.0P	8.50
48029	DAT50 x OSL16 - 165L	165	48	25	-	85	16	56	M14 x 2.0P	7.20
48031	DAT50 x OSL20 - 165L	165	50	25	-	85	20	56	M12 x 1.75P	7.80
48033	DAT50 x OSL25 - 165L	165	56	15	20	85	25	56	M16 x 2.0P	7.80
48035	DAT50 x OSL32 - 170L	170	60	15	20	85	32	56	M16 x 2.0P	8.00
48037	DAT50 x OSL40 - 170L	170	62	15	25	85	40	56	M14 x 2.0P	8.70

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance of tool shank diameter is within h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

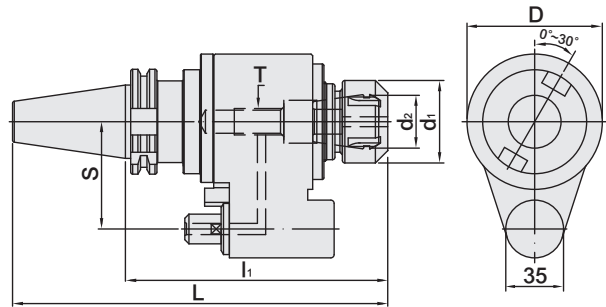
- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

Straight Sleeve	Fixed Block	Pull Stud	Lock Screw
			
P.W-83	P.W-94	P.W-63	P.W-90

DAT / OHER OIL HOLE COLLET CHUCK



DAT / OHER 油路刀把



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂ ER	S	T	WEIGHT (KGS)
48202	DAT40 x OHER16 - 160	225.4	160	82	28	16	65	M10	3.80
48204	DAT40 x OHER20 - 160	225.4	160	82	34	20	65	M12	4.10
48206	DAT40 x OHER25 - 160	225.4	160	82	42	25	65	M16	4.30
48208	DAT40 x OHER32 - 160	225.4	160	82	50	32	65	M16	4.50
48210	DAT50 x OHER16 - 160	261.8	160	98	28	16	80	M10	7.00
48212	DAT50 x OHER20 - 160	261.8	160	98	34	20	80	M12	7.10
48214	DAT50 x OHER25 - 160	261.8	160	98	42	25	80	M16	7.20
48216	DAT50 x OHER32 - 160	261.8	160	98	50	32	80	M16	7.30
48218	DAT50 x OHER40 - 160	261.8	160	98	63	40	80	M20	7.50

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance is H5.
- ▶ The tolerance of tool shank diameter is within h6.
- ▶ Used for machines w/o center or side coolant and achieve coolant through tools.

Product information:

- ▶ Water pressure up to 7 kgf/cm².
- ▶ Max. revolution: 3,000 rpm.

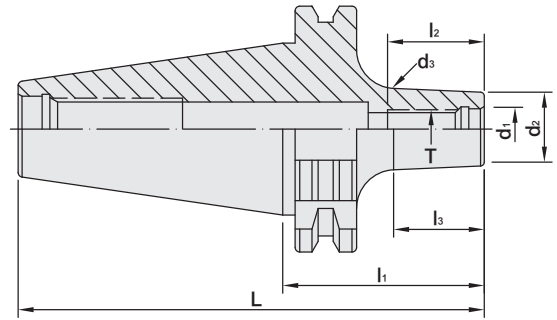
Standard Accessory: • NUT

Collet	Nut	Fixed Block	Pull Stud	Preset Screw	Spanner
P.W-7~17	P.W-48,51	P.W-94	P.W-63	P.W-88	P.W-68~71



DAT / SOM SCREWED END MILL HOLDER

DAT / SOM 螺紋鎖固式刀桿



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
49200	DAT30 x SOM6 - 60	107.8	60	25	31	6.5	13	15	M6 x 1.0P	0.40
49202	DAT30 x SOM8 - 60	107.8	60	25	31	8.5	15	17	M8 x 1.25P	0.40
49204	DAT30 x SOM10 - 60	107.8	60	25	31	10.5	19	21	M10 x 1.5P	0.40
49206	DAT30 x SOM12 - 70	117.8	70	31	41	12.5	21	23	M12 x 1.75P	0.42
49208	DAT30 x SOM16 - 80	127.8	80	31	56	17	25	29	M16 x 2.0P	0.42
49220	DAT40 x SOM6 - 60	128.4	60	25	31	6.5	13	15	M6 x 1.0P	1.00
49222	DAT40 x SOM8 - 60	128.4	60	25	31	8.5	15	17	M8 x 1.25P	1.00
49224	DAT40 x SOM10 - 60	128.4	60	25	31	10.5	19	21	M10 x 1.5P	1.10
49226	DAT40 x SOM12 - 70	138.4	70	31	41	12.5	21	23	M12 x 1.75P	1.10
49228	DAT40 x SOM16 - 80	148.4	80	30	56	17	25	29	M16 x 2.0P	1.20
49240	DAT50 x SOM6 - 60	161.75	60	25	31	6.5	13	15	M6 x 1.0P	2.90
49242	DAT50 x SOM8 - 60	161.75	60	25	31	8.5	15	17	M8 x 1.25P	2.90
49244	DAT50 x SOM10 - 60	161.75	60	25	31	10.5	19	21	M10 x 1.5P	3.00
49246	DAT50 x SOM12 - 70	171.75	70	31	41	12.5	21	23	M12 x 1.75P	3.00
49248	DAT50 x SOM16 - 80	181.75	80	31	56	17	25	29	M16 x 2.0P	3.00

Features:

► For center coolant (DIN 69871-AD).

Product information:

- The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- AD+B type is available, please inform us when making an order.
- DAT30 tool holders are without coolant supply over collars.

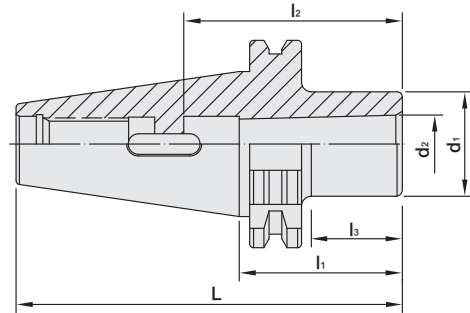
STR Cutting Tool	RG Cutting Tool	DM Cutting Tool	Extension Spacer	Pull Stud
				
P.W-75	P.W-76	P.W-77	P.W-78	P.W-63

DAT MORSE TAPER ADAPTER

TANG TYPE

DAT 斜柄鑽頭套筒

(DIN 228-2)
(DIN 6383)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
42651	DAT30 x MTA1 - 50	97.8	50	56	27	25	12.065	0.55
42653	DAT30 x MTA2 - 60	107.8	60	67	37	32	17.78	0.80
42655	DAT30 x MTA3 - 75	122.8	75	84	53	40	23.825	1.00
42661	DAT40 x MTA1 - 50	118.4	50	56	22	25	12.065	0.95
42663	DAT40 x MTA2 - 50	118.4	50	67	27	32	17.78	0.95
42665	DAT40 x MTA3 - 70	138.4	70	84	47	40	23.825	1.10
42667	DAT40 x MTA4 - 95	163.4	95	107	74	48	31.267	1.35
42671	DAT50 x MTA1 - 45	146.75	45	56	22	25	12.065	3.00
42673	DAT50 x MTA2 - 60	161.75	60	67	35	32	17.78	3.10
42675	DAT50 x MTA3 - 65	166.75	65	84	40	40	23.825	3.20
42677	DAT50 x MTA4 - 95	196.75	95	107	70	48	31.267	3.40
42679	DAT50 x MTA5 - 105	206.75	105	135	80	63	44.399	3.60

МАШСЕРВИС

Features:

- ▶ The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with Tang).

Product information:

- ▶ The pre-balance reaches G6.3 3,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

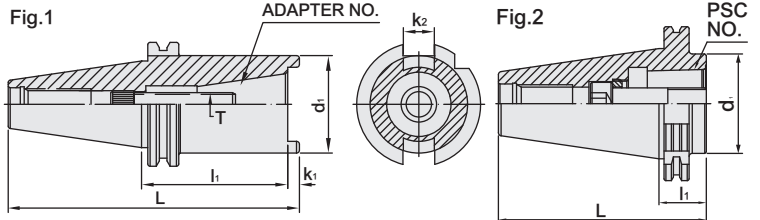


P.W-63



DAT ADAPTER

DAT 套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	k ₁	k ₂	T	MAX. TORQUE		FIG	WEIGHT (KGS)
									Nm	ft-lbs		
44010	DAT40 x TSA30M - 75	#30	149.4	75	50	6	16	M12 x 1.75P	45	33	1	1.80
44012	DAT40 x TSA30U - 75	#30	149.4	75	50	6	16	1/2" -12	45	33	1	1.80
51.501.32.030	DAT40 x PSC32 - 30	PSC32	98.4	30	32	-	-	M12 x 1.5P	45	33	2	1.40
51.501.40.040	DAT40 x PSC40 - 40	PSC40	108.4	40	40	-	-	M14 x 1.5P	55	40	2	1.50
51.501.50.050	DAT40 x PSC50 - 50	PSC50	118.4	50	50	-	-	M16 x 1.5P	95	70	2	1.60
51.501.63.090	DAT40 x PSC63 - 90	PSC63	158.4	90	63	-	-	M20 x 2.0P	170	125	2	2.00
44022	DAT50 x TSA30M - 75	#30	182.75	75	50	6	16	M12 x 1.75P	45	33	1	5.00
44024	DAT50 x TSA30U - 75	#30	182.75	75	50	6	16	1/2" -12	45	33	1	5.00
44026	DAT50 x TSA40M - 75	#40	184.75	75	85	8	16	M16 x 2.0P	45	33	1	4.60
44028	DAT50 x TSA40U - 75	#40	184.75	75	85	8	16	5/8" -11	45	33	1	4.60
52.501.32.030	DAT50 x PSC32 - 30	PSC32	131.75	30	32	-	-	M12 x 1.5P	45	33	2	4.20
52.501.40.030	DAT50 x PSC40 - 30	PSC40	131.75	30	40	-	-	M14 x 1.5P	55	40	2	4.30
52.501.50.030	DAT50 x PSC50 - 30	PSC50	131.75	30	50	-	-	M16 x 1.5P	95	70	2	4.40
52.501.63.030	DAT50 x PSC63 - 30	PSC63	131.75	30	63	-	-	M20 x 2.0P	170	125	2	4.50
52.501.63.100	DAT50 x PSC63 - 100	PSC63	201.75	100	63	-	-	M20 x 2.0P	170	125	2	5.00
52.501.63.150	DAT50 x PSC63 - 150	PSC63	251.75	150	63	-	-	M20 x 2.0P	170	125	2	5.20
52.501.63.200	DAT50 x PSC63 - 200	PSC63	301.75	200	63	-	-	M20 x 2.0P	170	125	2	5.40
52.501.63.250	DAT50 x PSC63 - 250	PSC63	351.75	250	63	-	-	M20 x 2.0P	170	125	2	5.80
52.501.63.300	DAT50 x PSC63 - 300	PSC63	401.75	300	63	-	-	M20 x 2.0P	170	125	2	6.00
52.501.80.050	DAT50 x PSC80 - 50	PSC80	151.75	50	80	-	-	M20 x 2.0P	170	125	2	4.80
52.501.80.070	DAT50 x PSC80 - 70	PSC80	171.75	70	80	-	-	M20 x 2.0P	170	125	2	4.90
52.501.80.100	DAT50 x PSC80 - 100	PSC80	201.75	100	80	-	-	M20 x 2.0P	170	125	2	5.10
52.501.80.120	DAT50 x PSC80 - 120	PSC80	221.75	120	80	-	-	M20 x 2.0P	170	125	2	5.20

Pull Stud

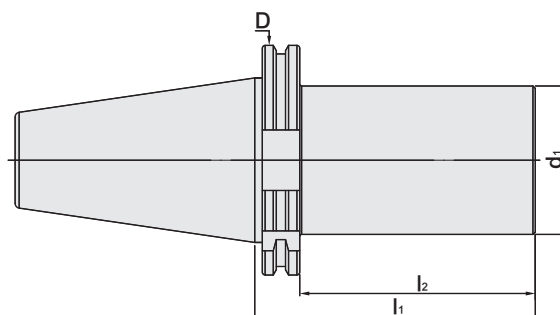


P.W-63



DAT BLANK

DAT 素材



INCHES

MODEL NO.	TYPE	l_1	l_2	D	d_1	WEIGHT (KGS)
52.001.95.473	DAT50 x ϕ 2.75" - 4.734"	4.734	3.982	3.84	2.75	5.56
52.001.A4.332	DAT50 x ϕ 4.5" - 3.324"	3.324	2.572	3.84	4.5	7.09



МАШСЕРВИС

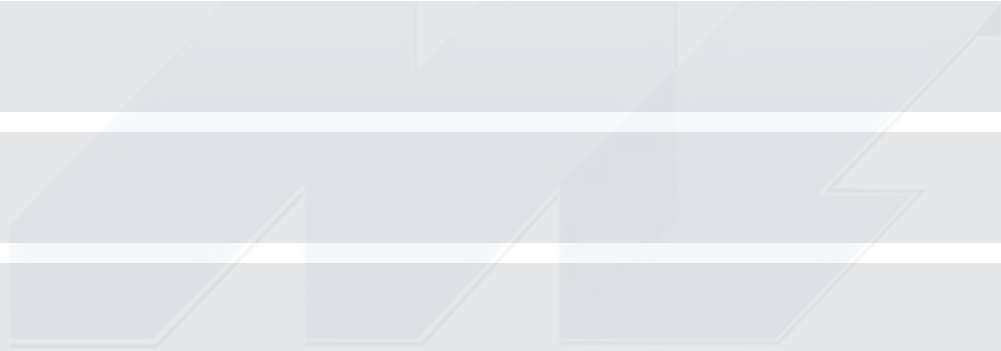
Pull Stud



P.W-63



MEMO



МАШСЕРВИС



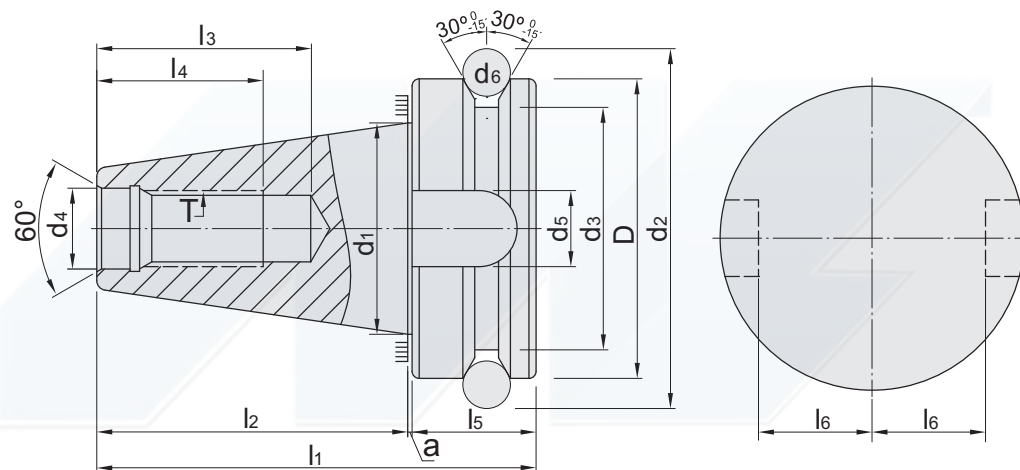
SBT CATEGORY

PNER COLLET CHUCK	D-3~4
PTER COLLET CHUCK	D-5~7
UT COLLET CHUCK	D-8~10
ER COLLET CHUCK	D-11~13
ER COLLET CHUCK [M TYPE]	D-14~15
SKX COLLET CHUCK	D-16~18
SK3 COLLET CHUCK	D-19~20
SKS COLLET CHUCK	D-21~23
SBL SLIM-FIT COLLET CHUCK	D-24
SBLC SLIM-FIT COLLET CHUCK	D-25
EBL SLIM-FIT COLLET CHUCK	D-26
MLD MULTI-LOCK MILLING CHUCK	D-27~29
SLN SIDE LOCK END MILL HOLDER	D-30~34
SLN SIDE LOCK END MILL HOLDER [JIS TYPE]	D-35~36
FACE MILL ARBOR [FMA/FMB TYPE]	D-37~41
FACE MILL ARBOR [FMC TYPE]	D-42~44
SMA FACE MILL ARBOR	D-45
SIDE CUTTER ADAPTER	D-46~47
MORSE TAPER ADAPTER	D-48~49
ADAPTER	D-50
BLANK	D-51

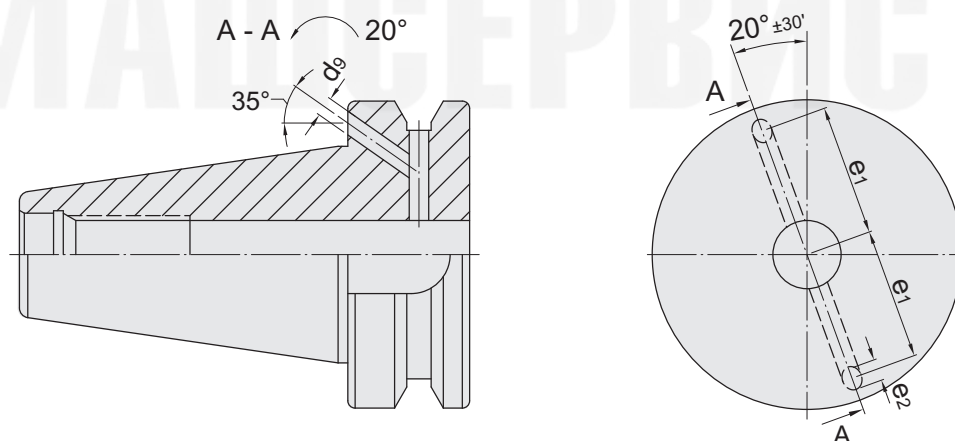
REFERENCE DETAILS

- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.

SBT A



SBT AD+B



SBT	D _{h8}	d ₁	d ₂	d ₃	d ₄ _{H8}	d ₅ _{H12}	d ₆	d ₉ _{H12}	a ₀ -0.005
30	46	31.75	56.14	38	12.5	16.1	8	-	1
40	63	44.45	75.679	53	17	16.1	10	4	1
50	100	69.85	119.02	85	25	25.7	15	6	1.5
SBT	l ₁	l ₂ ±0.2	l ₃ min	l ₄ min	l ₅	l ₆ 0 -0.2	e ₁ ±0.1	e ₂ MAX	T 6H
30	70.4	48.4	34	24	21	16	-	-	M12 x 1.75P
40	92.4	65.4	43	30	26	22.6	27	5	M16 x 2.0P
50	139.8	101.8	62	45	36.5	35.4	42	7	M24 x 3.0P

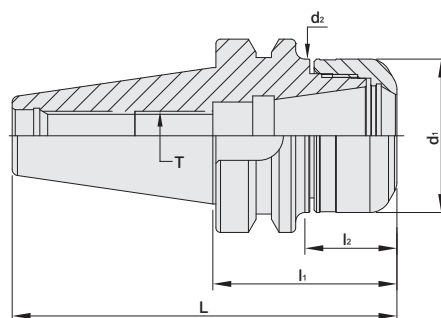
SBT / PNER COLLET CHUCK



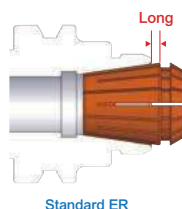
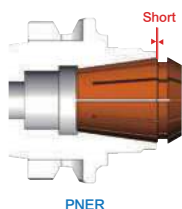
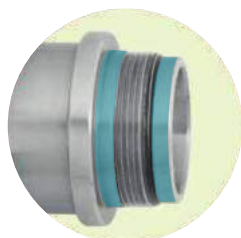
SBT / PNER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO.Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.273.16.050	SBT30 x PNER16 - 50	98.4	50	27	30	30	M10 x 1.5P	3 ~ 10	0.80
25.273.16.070	SBT30 x PNER16 - 70	118.4	70	45	30	30	M10 x 1.5P	3 ~ 10	0.70
25.273.16.100	SBT30 x PNER16 - 100	148.4	100	77	30	30	M10 x 1.5P	3 ~ 10	0.68
25.273.20.060	SBT30 x PNER20 - 60	108.4	60	37	32	32	M12 x 1.75P	3 ~ 13	0.80
25.273.20.100	SBT30 x PNER20 - 100	148.4	100	73	32	32	M12 x 1.75P	3 ~ 13	0.72
25.273.25.060	SBT30 x PNER25 - 60	108.4	60	37	40	40	M16 x 2.0P	3 ~ 16	0.90
25.273.25.100	SBT30 x PNER25 - 100	148.4	100	77	40	40	M16 x 2.0P	3 ~ 16	0.89
25.273.32.060	SBT30 x PNER32 - 60	108.4	60	33	50	50	-	3 ~ 20	1.00
25.273.32.100	SBT30 x PNER32 - 100	148.4	100	77	50	50	M16 x 2.0P	3 ~ 20	1.16
26.273.16.070	SBT40 x PNER16 - 70	135.4	70	40	30	30	M10 x 1.5P	3 ~ 10	1.12
26.273.16.130	SBT40 x PNER16 - 130	195.4	130	93	30	30	M10 x 1.5P	3 ~ 10	1.36
26.273.16.160	SBT40 x PNER16 - 160	225.4	160	123	30	30	M10 x 1.5P	3 ~ 10	1.49
26.273.20.070	SBT40 x PNER20 - 70	135.4	70	40	32	32	M12 x 1.75P	3 ~ 13	1.14
26.273.20.130	SBT40 x PNER20 - 130	195.4	130	93	32	32	M12 x 1.75P	3 ~ 13	1.41
26.273.20.160	SBT40 x PNER20 - 160	225.4	160	123	32	32	M12 x 1.75P	3 ~ 13	1.56
26.273.25.070	SBT40 x PNER25 - 70	135.4	70	40	40	40	M16 x 2.0P	3 ~ 16	1.19
26.273.25.130	SBT40 x PNER25 - 130	195.4	130	98	40	40	M16 x 2.0P	3 ~ 16	1.66
26.273.25.160	SBT40 x PNER25 - 160	225.4	160	128	40	40	M16 x 2.0P	3 ~ 16	1.92
26.273.32.070	SBT40 x PNER32 - 70	135.4	70	40	50	50	M16 x 2.0P	3 ~ 20	1.20
26.273.32.130	SBT40 x PNER32 - 130	195.4	130	100	50	50	M16 x 2.0P	3 ~ 20	2.07
26.273.32.160	SBT40 x PNER32 - 160	225.4	160	130	50	50	M16 x 2.0P	3 ~ 20	2.49
26.273.40.070	SBT40 x PNER40 - 70	135.4	70	38	63	63	M20 x 2.0P	6 ~ 26	1.40



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars. ▶ Use PN 3µm collet.

Standard Accessory: • NUT

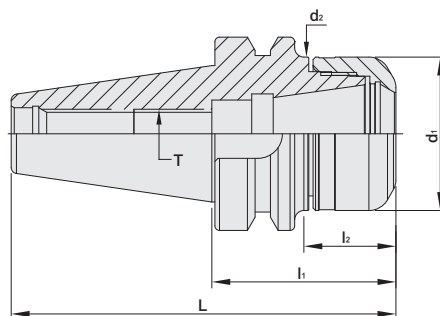
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73



SBT / PNER COLLET CHUCK

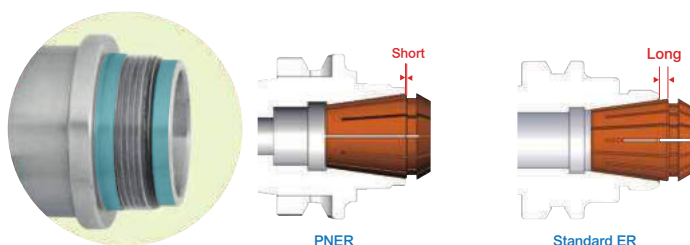


SBT / PNER 法蘭加厚型立銑刀夾頭



TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.273.16.070	SBT50 x PNER16 - 70	171.8	70	29	30	30	M10 x 1.5P	3 ~ 10	3.00
27.273.16.130	SBT50 x PNER16 - 130	231.8	130	82	30	30	M10 x 1.5P	3 ~ 10	3.88
27.273.16.160	SBT50 x PNER16 - 160	261.8	160	112	30	30	M10 x 1.5P	3 ~ 10	4.01
27.273.20.070	SBT50 x PNER20 - 70	171.8	70	29	32	32	M12 x 1.75P	3 ~ 13	3.00
27.273.20.130	SBT50 x PNER20 - 130	231.8	130	82	32	32	M12 x 1.75P	3 ~ 13	3.91
27.273.20.160	SBT50 x PNER20 - 160	261.8	160	112	32	32	M12 x 1.75P	3 ~ 13	4.06
27.273.25.070	SBT50 x PNER25 - 70	171.8	70	29	40	40	M16 x 2.0P	3 ~ 16	3.93
27.273.25.130	SBT50 x PNER25 - 130	231.8	130	82	40	40	M16 x 2.0P	3 ~ 16	4.06
27.273.25.160	SBT50 x PNER25 - 160	261.8	160	112	40	40	M16 x 2.0P	3 ~ 16	4.27
27.273.32.070	SBT50 x PNER32 - 70	171.8	70	31	50	50	M16 x 2.0P	3 ~ 20	4.12
27.273.32.130	SBT50 x PNER32 - 130	231.8	130	82	50	50	M16 x 2.0P	3 ~ 20	4.43
27.273.32.160	SBT50 x PNER32 - 160	261.8	160	112	50	50	M16 x 2.0P	3 ~ 20	4.80
27.273.40.080	SBT50 x PNER40 - 80	181.8	80	39	63	63	M20 x 2.0P	6 ~ 26	4.20
27.273.40.130	SBT50 x PNER40 - 130	231.8	130	82	63	63	M20 x 2.0P	6 ~ 26	4.97
27.273.40.160	SBT50 x PNER40 - 160	261.8	160	112	63	63	M20 x 2.0P	6 ~ 26	5.61



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73



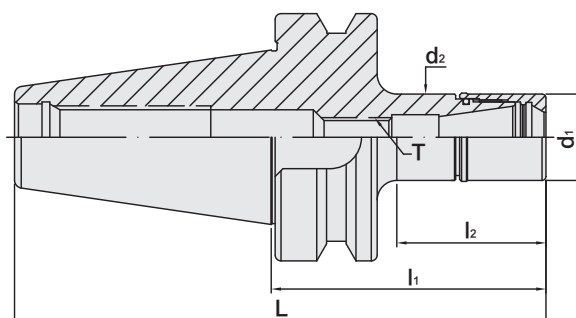
SBT / PTER COLLET CHUCK



SBT / PTER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.528.08.060	SBT30 x PTER8 - 60	108.4	60	28	12	12	M5 x 0.8P	3 ~ 5	0.41
25.528.08.075	SBT30 x PTER8 - 75	123.4	75	43	12	12	M5 x 0.8P	3 ~ 5	0.42
25.528.08.090	SBT30 x PTER8 - 90	138.4	90	58	12	12	M5 x 0.8P	3 ~ 5	0.43
25.528.08.105	SBT30 x PTER8 - 105	153.4	105	73	12	12	M5 x 0.8P	3 ~ 5	0.44
25.528.08.120	SBT30 x PTER8 - 120	168.4	120	88	12	12	M5 x 0.8P	3 ~ 5	0.45
25.528.11.070	SBT30 x PTER11 - 70	118.4	70	43	16	16	M6 x 1.0P	3 ~ 7	0.43
25.528.11.100	SBT30 x PTER11 - 100	148.4	100	73	16	16	M6 x 1.0P	3 ~ 7	0.47
25.528.11.120	SBT30 x PTER11 - 120	168.4	120	93	16	16	M6 x 1.0P	3 ~ 7	0.50
25.528.16.070	SBT30 x PTER16 - 70	118.4	70	43	22	22	M10 x 1.5P	3 ~ 10	0.47
25.528.16.100	SBT30 x PTER16 - 100	148.4	100	73	22	22	M10 x 1.5P	3 ~ 10	0.54
25.528.16.120	SBT30 x PTER16 - 120	168.4	120	93	22	22	M10 x 1.5P	3 ~ 10	0.59
25.528.20.070	SBT30 x PTER20 - 70	118.4	70	45	28	28	M12 x 1.75P	3 ~ 13	0.52
25.528.20.100	SBT30 x PTER20 - 100	148.4	100	75	28	28	M12 x 1.75P	3 ~ 13	0.64
25.528.20.120	SBT30 x PTER20 - 120	168.4	120	95	28	28	M12 x 1.75P	3 ~ 13	0.72
25.528.20.150	SBT30 x PTER20 - 150	198.4	150	125	28	28	M12 x 1.75P	3 ~ 13	0.85

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ SBT30 tool holders are without coolant supply over collars.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-88	P.W-68~73



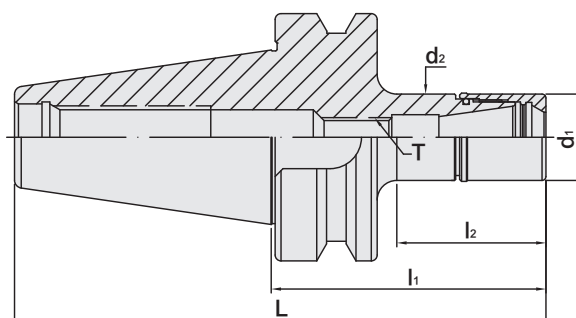
SBT / PTER COLLET CHUCK



SBT / PTER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
26.528.08.060	SBT40 x PTER8 - 60	125.4	60	23	12	12	M5 x 0.8P	3 ~ 5	1.00
26.528.08.075	SBT40 x PTER8 - 75	140.4	75	38	12	12	M5 x 0.8P	3 ~ 5	1.01
26.528.08.090	SBT40 x PTER8 - 90	155.4	90	51.9	12	12	M5 x 0.8P	3 ~ 5	1.02
26.528.08.105	SBT40 x PTER8 - 105	170.4	105	66.9	12	12	M5 x 0.8P	3 ~ 5	1.05
26.528.08.120	SBT40 x PTER8 - 120	185.4	120	81.9	12	12	M5 x 0.8P	3 ~ 5	1.06
26.528.08.135	SBT40 x PTER8 - 135	200.4	135	96.9	12	12	M5 x 0.8P	3 ~ 5	1.07
26.528.11.070	SBT40 x PTER11 - 70	135.4	70	38	16	16	M6 x 1.0P	3 ~ 7	1.00
26.528.11.090	SBT40 x PTER11 - 90	155.4	90	53	16	16	M6 x 1.0P	3 ~ 7	1.03
26.528.11.100	SBT40 x PTER11 - 100	165.4	100	63	16	16	M6 x 1.0P	3 ~ 7	1.04
26.528.11.120	SBT40 x PTER11 - 120	185.4	120	83	16	16	M6 x 1.0P	3 ~ 7	1.10
26.528.11.125	SBT40 x PTER11 - 125	190.4	125	83	16	16	M6 x 1.0P	3 ~ 7	1.10
26.528.11.150	SBT40 x PTER11 - 150	215.4	150	108	16	16	M6 x 1.0P	3 ~ 7	1.13
26.528.16.070	SBT40 x PTER16 - 70	135.4	70	38	22	22	M10 x 1.5P	3 ~ 10	1.04
26.528.16.100	SBT40 x PTER16 - 100	165.4	100	63	22	22	M10 x 1.5P	3 ~ 10	1.12
26.528.16.125	SBT40 x PTER16 - 125	190.4	125	88	22	22	M10 x 1.5P	3 ~ 10	1.18
26.528.16.150	SBT40 x PTER16 - 150	215.4	150	113	22	22	M10 x 1.5P	3 ~ 10	1.24
26.528.20.070	SBT40 x PTER20 - 70	135.4	70	38	28	28	M12 x 1.75P	3 ~ 13	1.08
26.528.20.100	SBT40 x PTER20 - 100	165.4	100	63	28	28	M12 x 1.75P	3 ~ 13	1.15
26.528.20.125	SBT40 x PTER20 - 125	190.4	125	88	28	28	M12 x 1.75P	3 ~ 13	1.29
26.528.20.150	SBT40 x PTER20 - 150	215.4	150	113	28	28	M12 x 1.75P	3 ~ 13	1.38

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-88	P.W-68~73

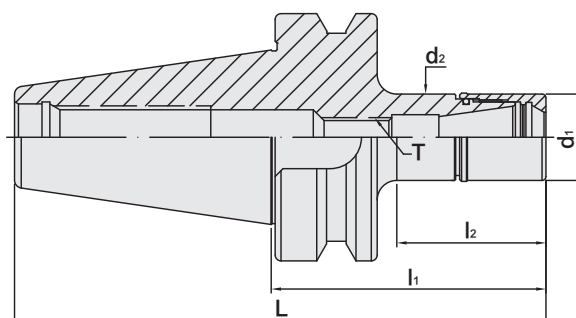
SBT / PTER COLLET CHUCK



SBT / PTER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.528.11.070	SBT50 x PTER11 - 70	171.8	70	27	16	16	M6 x 1.0P	3 ~ 7	3.53
27.528.11.090	SBT50 x PTER11 - 90	191.8	90	42	16	16	M6 x 1.0P	3 ~ 7	3.56
27.528.11.105	SBT50 x PTER11 - 105	206.8	105	57	16	16	M6 x 1.0P	3 ~ 7	3.58
27.528.11.135	SBT50 x PTER11 - 135	236.8	135	73.5	16	16	M6 x 1.0P	3 ~ 7	3.68
27.528.11.165	SBT50 x PTER11 - 165	266.8	165	103.5	16	16	M6 x 1.0P	3 ~ 7	3.71
27.528.16.070	SBT50 x PTER16 - 70	171.8	70	27	22	22	M10 x 1.5P	3 ~ 10	3.58
27.528.16.090	SBT50 x PTER16 - 90	191.8	90	47	22	22	M10 x 1.5P	3 ~ 10	3.58
27.528.16.105	SBT50 x PTER16 - 105	206.8	105	59	22	22	M10 x 1.5P	3 ~ 10	3.61
27.528.16.135	SBT50 x PTER16 - 135	236.8	135	87	22	22	M10 x 1.5P	3 ~ 10	3.67
27.528.16.165	SBT50 x PTER16 - 165	266.8	165	117	22	22	M10 x 1.5P	3 ~ 10	3.72
27.528.20.070	SBT50 x PTER20 - 70	171.8	70	29	28	28	M12 x 1.75P	3 ~13	3.62
27.528.20.090	SBT50 x PTER20 - 90	191.8	90	47	28	28	M12 x 1.75P	3 ~13	3.66
27.528.20.105	SBT50 x PTER20 - 105	206.8	105	57	28	28	M12 x 1.75P	3 ~13	3.71
27.528.20.135	SBT50 x PTER20 - 135	236.8	135	87	28	28	M12 x 1.75P	3 ~13	3.86
27.528.20.165	SBT50 x PTER20 - 165	266.8	165	117	28	28	M12 x 1.75P	3 ~13	3.97

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PNER-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-88	P.W-68~73



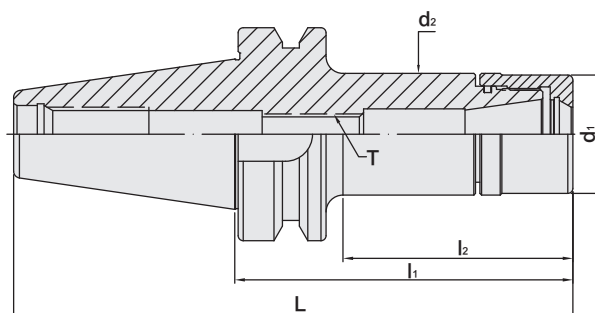
SBT / UT COLLET CHUCK



SBT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.753.16.070	SBT30 x UT16 - 70	118.4	70	43	30	30	M10 x 1.5P	1 ~ 10	0.58
25.753.16.100	SBT30 x UT16 - 100	148.4	100	73	30	30	M10 x 1.5P	1 ~ 10	0.73
25.753.16.125	SBT30 x UT16 - 125	173.4	125	98	30	30	M10 x 1.5P	1 ~ 10	0.85
25.753.16.150	SBT30 x UT16 - 150	198.4	150	123	30	30	M10 x 1.5P	1 ~ 10	0.97
25.753.20.070	SBT30 x UT20 - 70	118.4	70	47	35	36	M12 x 1.75P	1 ~ 13	0.64
25.753.20.100	SBT30 x UT20 - 100	148.4	100	77	35	36	M12 x 1.75P	1 ~ 13	0.85
25.753.20.125	SBT30 x UT20 - 125	173.4	125	102	35	36	M12 x 1.75P	1 ~ 13	1.03
25.753.20.150	SBT30 x UT20 - 150	198.4	150	127	35	36	M12 x 1.75P	1 ~ 13	1.21
25.753.25.070	SBT30 x UT25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
25.753.25.100	SBT30 x UT25 - 100	148.4	100	76	42	42	M16 x 2.0P	1 ~ 16	1.00
25.753.25.150	SBT30 x UT25 - 150	198.4	150	126	42	42	M16 x 2.0P	1 ~ 16	1.49
25.753.32.070	SBT30 x UT32 - 70	118.4	70	48	48	48	M16 x 2.0P	2 ~ 20	0.71
25.753.32.100	SBT30 x UT32 - 100	148.4	100	78	48	48	M16 x 2.0P	2 ~ 20	1.08
25.753.32.125	SBT30 x UT32 - 125	173.4	125	103	48	48	M16 x 2.0P	2 ~ 20	1.42
25.753.32.150	SBT30 x UT32 - 150	198.4	150	128	48	48	M16 x 2.0P	2 ~ 20	1.75

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ SBT30 tool holders are without coolant supply over collars.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73

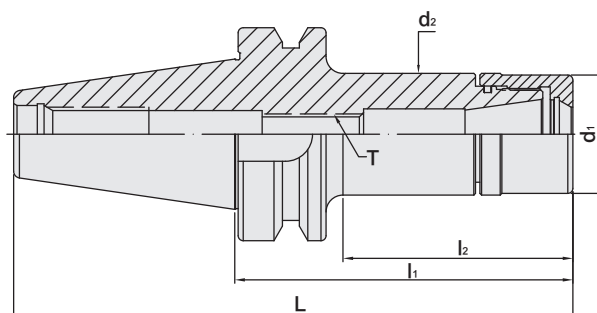
SBT / UT COLLET CHUCK



SBT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
26.753.16.070	SBT40 x UT16 - 70	135.4	70	40	30	30	M10 x 1.5P	1 ~ 10	1.14
26.753.16.100	SBT40 x UT16 - 100	165.4	100	63	30	30	M10 x 1.5P	1 ~ 10	1.28
26.753.16.125	SBT40 x UT16 - 125	190.4	125	88	30	30	M10 x 1.5P	1 ~ 10	1.39
26.753.16.150	SBT40 x UT16 - 150	215.4	150	113	30	30	M10 x 1.5P	1 ~ 10	1.49
26.753.20.070	SBT40 x UT20 - 70	135.4	70	38	35	36	M12 x 1.75P	1 ~ 13	1.18
26.753.20.100	SBT40 x UT20 - 100	165.4	100	68	35	36	M12 x 1.75P	1 ~ 13	1.39
26.753.20.125	SBT40 x UT20 - 125	190.4	125	93	35	36	M12 x 1.75P	1 ~ 13	1.55
26.753.20.150	SBT40 x UT20 - 150	215.4	150	118	35	36	M12 x 1.75P	1 ~ 13	1.72
26.753.25.070	SBT40 x UT25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.23
26.753.25.100	SBT40 x UT25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.51
26.753.25.150	SBT40 x UT25 - 150	215.4	150	118	42	42	M16 x 2.0P	1 ~ 16	1.99
26.753.32.070	SBT40 x UT32 - 70	135.4	70	40	48	48	M16 x 2.0P	2 ~ 20	1.24
26.753.32.100	SBT40 x UT32 - 100	165.4	100	70	48	48	M16 x 2.0P	2 ~ 20	1.62
26.753.32.125	SBT40 x UT32 - 125	190.4	125	95	48	48	M16 x 2.0P	2 ~ 20	1.94
26.753.32.150	SBT40 x UT32 - 150	215.4	150	120	48	48	M16 x 2.0P	2 ~ 20	2.26

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73



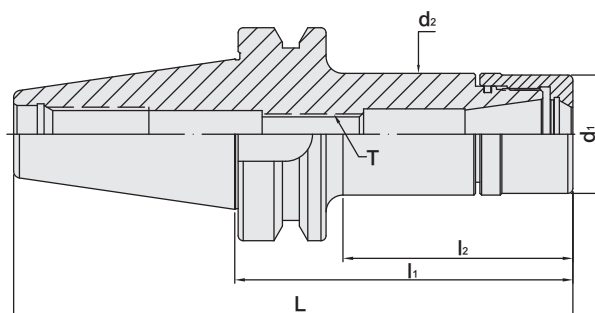
SBT / UT COLLET CHUCK



SBT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.753.16.070	SBT50 x UT16 - 70	171.8	70	29	30	30	M10 x 1.5P	1 ~ 10	3.69
27.753.16.100	SBT50 x UT16 - 100	201.8	100	52	30	30	M10 x 1.5P	1 ~ 10	3.79
27.753.16.125	SBT50 x UT16 - 125	226.8	125	77	30	30	M10 x 1.5P	1 ~ 10	3.85
27.753.16.150	SBT50 x UT16 - 150	251.8	150	102	30	30	M10 x 1.5P	1 ~ 10	4.02
27.753.20.070	SBT50 x UT20 - 70	171.8	70	31.6	35	36	M12 x 1.75P	1 ~ 13	3.73
27.753.20.100	SBT50 x UT20 - 100	201.8	100	52	35	36	M12 x 1.75P	1 ~ 13	3.90
27.753.20.125	SBT50 x UT20 - 125	226.8	125	77	35	36	M12 x 1.75P	1 ~ 13	4.03
27.753.20.150	SBT50 x UT20 - 150	251.8	150	102	35	36	M12 x 1.75P	1 ~ 13	4.28
27.753.25.070	SBT50 x UT25 - 70	171.8	70	29.8	42	42	M16 x 2.0P	1 ~ 16	3.74
27.753.25.100	SBT50 x UT25 - 100	201.8	100	52	42	42	M16 x 2.0P	1 ~ 16	3.96
27.753.25.150	SBT50 x UT25 - 150	251.8	150	102	42	42	M16 x 2.0P	1 ~ 16	4.41
27.753.32.080	SBT50 x UT32 - 80	181.8	80	41	48	48	M16 x 2.0P	2 ~ 20	3.87
27.753.32.100	SBT50 x UT32 - 100	201.8	100	57	48	48	M16 x 2.0P	2 ~ 20	4.08
27.753.32.125	SBT50 x UT32 - 125	226.8	125	82	48	48	M16 x 2.0P	2 ~ 20	4.36
27.753.32.150	SBT50 x UT32 - 150	251.8	150	102	48	48	M16 x 2.0P	2 ~ 20	4.66

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73

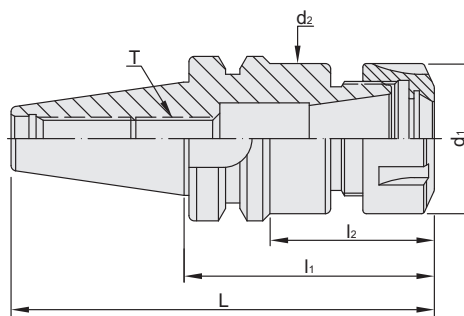


SBT / ER COLLET CHUCK



SBT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.122.16.050	SBT30 x ER16A - 50	98.4	50	27	28	28	M10 x 1.5P	1 ~ 10	0.45
25.122.16.060	SBT30 x ER16A - 60	108.4	60	35	28	28	M10 x 1.5P	1 ~ 10	0.60
25.122.16.070	SBT30 x ER16A - 70	118.4	70	43	28	28	M10 x 1.5P	1 ~ 10	0.55
25.122.16.100	SBT30 x ER16A - 100	148.4	100	70	28	28	M10 x 1.5P	1 ~ 10	0.70
25.122.16.120	SBT30 x ER16A - 120	168.4	120	93	28	28	M10 x 1.5P	1 ~ 10	0.78
25.122.20.050	SBT30 x ER20A - 50	98.4	50	28	34	34	M12 x 1.75P	1 ~ 13	0.48
25.122.20.070	SBT30 x ER20A - 70	118.4	70	45	34	34	M12 x 1.75P	1 ~ 13	0.62
25.122.20.135	SBT30 x ER20A - 135	183.4	135	110	34	34	M12 x 1.75P	1 ~ 13	1.00
25.122.25.070	SBT30 x ER25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
25.122.25.135	SBT30 x ER25 - 135	183.4	135	111	42	42	M16 x 2.0P	1 ~ 16	1.45
25.122.32.070	SBT30 x ER32 - 70	118.4	70	48	50	45	M16 x 2.0P	2 ~ 20	0.70
25.122.32.100	SBT30 x ER32 - 100	148.4	100	78	50	45	M16 x 2.0P	2 ~ 20	1.00
25.122.40.080	SBT30 x ER40 - 80	128.4	80	58	63	53	M16 x 2.0P	3 ~ 26	1.10

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71



SBT / ER COLLET CHUCK

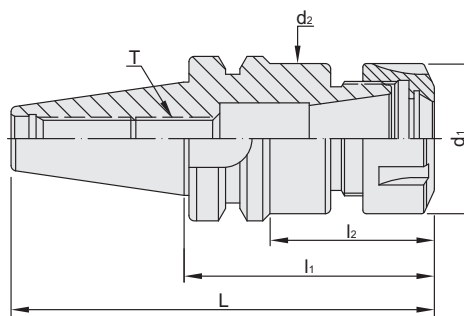


SBT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
26.122.16.070	SBT40 x ER16A - 70	135.4	70	40	28	28	M10 x 1.5P	1 ~ 10	1.20
26.122.16.100	SBT40 x ER16A - 100	165.4	100	63	28	28	M10 x 1.5P	1 ~ 10	1.30
26.122.16.125	SBT40 x ER16A - 125	190.4	125	88	28	28	M10 x 1.5P	1 ~ 10	1.36
26.122.16.150	SBT40 x ER16A - 150	215.4	150	113	28	28	M10 x 1.5P	1 ~ 10	1.54
26.122.16.180	SBT40 x ER16A - 180	245.4	180	143	28	28	M10 x 1.5P	1 ~ 10	2.00
26.122.20.070	SBT40 x ER20A - 70	135.4	70	40	34	34	M12 x 1.75P	1 ~ 13	1.18
26.122.20.100	SBT40 x ER20A - 100	165.4	100	70	34	34	M12 x 1.75P	1 ~ 13	1.80
26.122.20.135	SBT40 x ER20A - 135	200.4	135	105	34	34	M12 x 1.75P	1 ~ 13	1.70
26.122.20.150	SBT40 x ER20A - 150	215.4	150	120	34	34	M12 x 1.75P	1 ~ 13	1.80
26.122.25.070	SBT40 x ER25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.30
26.122.25.100	SBT40 x ER25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.50
26.122.25.125	SBT40 x ER25 - 125	190.4	125	95	42	42	M16 x 2.0P	1 ~ 16	1.78
26.122.25.150	SBT40 x ER25 - 150	215.4	150	120	42	42	M16 x 2.0P	1 ~ 16	2.06
26.122.32.070	SBT40 x ER32 - 70	135.4	70	40	50	50	M16 x 2.0P	2 ~ 20	1.30
26.122.32.100	SBT40 x ER32 - 100	165.4	100	70	50	50	M16 x 2.0P	2 ~ 20	1.70
26.122.32.150	SBT40 x ER32 - 150	215.4	150	120	50	50	M16 x 2.0P	2 ~ 20	2.50
26.122.40.080	SBT40 x ER40 - 80	145.4	80	53	63	60	-	3 ~ 26	1.50
26.122.40.100	SBT40 x ER40 - 100	165.4	100	73	63	60	M20 x 2.0P	3 ~ 26	2.05
26.122.40.120	SBT40 x ER40 - 120	185.4	120	93	63	60	M20 x 2.0P	3 ~ 26	1.92
26.122.40.150	SBT40 x ER40 - 150	215.4	150	123	63	60	M20 x 2.0P	3 ~ 26	3.10
26.122.50.085	SBT40 x ER50 - 85	150.4	85	58	78	60	M24 x 2.0P	6 ~ 34	1.70
26.122.50.100	SBT40 x ER50 - 100	165.4	100	73	78	60	M24 x 2.0P	6 ~ 34	2.10

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71

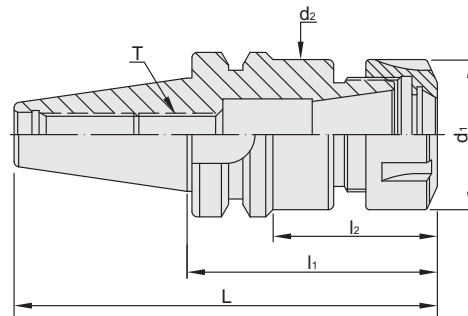


SBT / ER COLLET CHUCK



SBT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.122.16.070	SBT50 x ER16A - 70	171.8	70	29	28	28	M10 x 1.5P	1 ~ 10	4.05
27.122.16.090	SBT50 x ER16A - 90	191.8	90	47	28	28	M10 x 1.5P	1 ~ 10	4.20
27.122.16.105	SBT50 x ER16A - 105	206.8	105	57	28	28	M10 x 1.5P	1 ~ 10	4.30
27.122.16.135	SBT50 x ER16A - 135	236.8	135	87	28	28	M10 x 1.5P	1 ~ 10	4.40
27.122.16.150	SBT50 x ER16A - 150	251.8	150	102	28	28	M10 x 1.5P	1 ~ 10	4.50
27.122.16.165	SBT50 x ER16A - 165	266.8	165	117	28	28	M10 x 1.5P	1 ~ 10	4.50
27.122.20.070	SBT50 x ER20A - 70	171.8	70	29	34	34	M12 x 1.75P	1 ~ 13	4.20
27.122.20.090	SBT50 x ER20A - 90	191.8	90	47	34	34	M12 x 1.75P	1 ~ 13	4.25
27.122.20.105	SBT50 x ER20A - 105	206.8	105	57	34	34	M12 x 1.75P	1 ~ 13	4.30
27.122.20.135	SBT50 x ER20A - 135	236.8	135	87	34	34	M12 x 1.75P	1 ~ 13	4.55
27.122.20.150	SBT50 x ER20A - 150	251.8	150	102	34	34	M12 x 1.75P	1 ~ 13	4.70
27.122.20.165	SBT50 x ER20A - 165	266.8	165	117	34	34	M12 x 1.75P	1 ~ 13	4.80
27.122.20.200	SBT50 x ER20A - 200	301.8	200	152	34	34	M12 x 1.75P	1 ~ 13	4.90
27.122.25.070	SBT50 x ER25 - 70	171.8	70	29	42	42	M16 x 2.0P	1 ~ 16	4.20
27.122.25.105	SBT50 x ER25 - 105	206.8	105	57	42	42	M16 x 2.0P	1 ~ 16	4.40
27.122.25.135	SBT50 x ER25 - 135	236.8	135	87	42	42	M16 x 2.0P	1 ~ 16	4.70
27.122.25.165	SBT50 x ER25 - 165	266.8	165	117	42	42	M16 x 2.0P	1 ~ 16	5.00
27.122.32.080	SBT50 x ER32 - 80	181.8	80	39	50	50	M16 x 2.0P	2 ~ 20	4.70
27.122.32.100	SBT50 x ER32 - 100	201.8	100	57	50	50	M16 x 2.0P	2 ~ 20	4.80
27.122.32.120	SBT50 x ER32 - 120	221.8	120	72	50	50	M16 x 2.0P	2 ~ 20	4.70
27.122.32.150	SBT50 x ER32 - 150	251.8	150	102	50	50	M16 x 2.0P	2 ~ 20	5.30
27.122.32.200	SBT50 x ER32 - 200	301.8	200	152	50	50	M16 x 2.0P	2 ~ 20	5.50
27.122.40.080	SBT50 x ER40 - 80	181.8	80	39	63	63	M20 x 2.0P	3 ~ 26	4.30
27.122.40.100	SBT50 x ER40 - 100	201.8	100	57	63	63	M20 x 2.0P	3 ~ 26	4.64
27.122.40.120	SBT50 x ER40 - 120	221.8	120	72	63	63	M20 x 2.0P	3 ~ 26	5.10
27.122.40.135	SBT50 x ER40 - 135	236.8	135	87	63	63	M20 x 2.0P	3 ~ 26	5.50
27.122.50.090	SBT50 x ER50 - 90	191.8	90	49	78	78	M24 x 2.0P	6 ~ 34	4.60
27.122.50.120	SBT50 x ER50 - 120	221.8	120	79	78	78	M24 x 2.0P	6 ~ 34	5.50
27.122.50.165	SBT50 x ER50 - 165	266.8	165	124	78	78	M24 x 2.0P	6 ~ 34	6.10

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-88	P.W-68~71



SBT / ER COLLET CHUCK

M TYPE

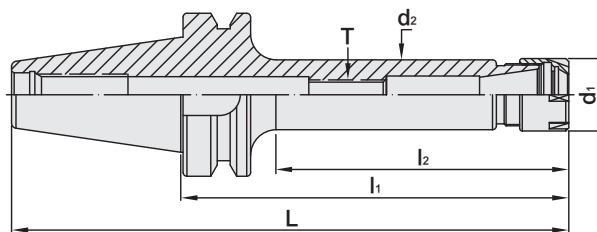


M 型 SBT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.123.11.070	SBT30 x ER11M - 70	118.4	70	40	16	15	M6 x 1.0P	1 ~ 7	0.50
25.123.11.100	SBT30 x ER11M - 100	148.4	100	70	16	15	M6 x 1.0P	1 ~ 7	0.60
25.123.11.120	SBT30 x ER11M - 120	168.4	120	88	16	15	M6 x 1.0P	1 ~ 7	0.70
25.123.16.070	SBT30 x ER16M - 70	118.4	70	43	22	21	M10 x 1.5P	1 ~ 10	0.55
25.123.16.100	SBT30 x ER16M - 100	148.4	100	73	22	21	M10 x 1.5P	1 ~ 10	0.56
25.123.16.120	SBT30 x ER16M - 120	168.4	120	88	22	21	M10 x 1.5P	1 ~ 10	0.75
25.123.20.070	SBT30 x ER20M - 70	118.4	70	45.5	28	27	M12 x 1.75P	1 ~ 13	0.65
25.123.20.100	SBT30 x ER20M - 100	148.4	100	71	28	27	M12 x 1.75P	1 ~ 13	0.70
25.123.20.120	SBT30 x ER20M - 120	168.4	120	91	28	27	M12 x 1.75P	1 ~ 13	0.80
25.123.20.150	SBT30 x ER20M - 150	198.4	150	121	28	27	M12 x 1.75P	1 ~ 13	1.00
26.123.11.070	SBT40 x ER11M - 70	135.4	70	33	16	15	M6 x 1.0P	1 ~ 7	1.10
26.123.11.100	SBT40 x ER11M - 100	165.4	100	63	16	15	M6 x 1.0P	1 ~ 7	1.10
26.123.11.125	SBT40 x ER11M - 125	190.4	125	88	16	15	M6 x 1.0P	1 ~ 7	1.12
26.123.11.150	SBT40 x ER11M - 150	215.4	150	113	16	15	M6 x 1.0P	1 ~ 7	1.20
26.123.16.070	SBT40 x ER16M - 70	135.4	70	38	22	21	M10 x 1.5P	1 ~ 10	1.08
26.123.16.100	SBT40 x ER16M - 100	165.4	100	63	22	21	M10 x 1.5P	1 ~ 10	1.16
26.123.16.125	SBT40 x ER16M - 125	190.4	125	88	22	21	M10 x 1.5P	1 ~ 10	1.20
26.123.16.150	SBT40 x ER16M - 150	215.4	150	113	22	21	M10 x 1.5P	1 ~ 10	1.28
26.123.20.070	SBT40 x ER20M - 70	135.4	70	38	28	27	M12 x 1.75P	1 ~ 13	1.10
26.123.20.100	SBT40 x ER20M - 100	165.4	100	63	28	27	M12 x 1.75P	1 ~ 13	1.24
26.123.20.125	SBT40 x ER20M - 125	190.4	125	88	28	27	M12 x 1.75P	1 ~ 13	1.30
26.123.20.150	SBT40 x ER20M - 150	215.4	150	113	28	27	M12 x 1.75P	1 ~ 13	1.44

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-60~61	P.W-88	P.W-68~71

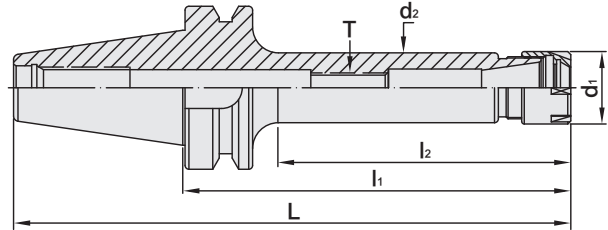
SBT / ER COLLET CHUCK

M TYPE



M 型 SBT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.123.11.070	SBT50 x ER11M - 70	171.8	70	22	16	15	M6 x 1.0P	1 ~ 7	3.80
27.123.11.090	SBT50 x ER11M - 90	191.8	90	42	16	15	M6 x 1.0P	1 ~ 7	3.90
27.123.11.105	SBT50 x ER11M - 105	206.8	105	57	16	15	M6 x 1.0P	1 ~ 7	4.00
27.123.11.135	SBT50 x ER11M - 135	236.8	135	87	16	15	M6 x 1.0P	1 ~ 7	4.10
27.123.11.165	SBT50 x ER11M - 165	266.8	165	92	16	15	M6 x 1.0P	1 ~ 7	4.20
27.123.16.070	SBT50 x ER16M - 70	171.8	70	29	22	21	M10 x 1.5P	1 ~ 10	3.90
27.123.16.090	SBT50 x ER16M - 90	191.8	90	42	22	21	M10 x 1.5P	1 ~ 10	4.00
27.123.16.105	SBT50 x ER16M - 105	206.8	105	57	22	21	M10 x 1.5P	1 ~ 10	4.10
27.123.16.135	SBT50 x ER16M - 135	236.8	135	87	22	21	M10 x 1.5P	1 ~ 10	4.20
27.123.16.165	SBT50 x ER16M - 165	266.8	165	117	22	21	M10 x 1.5P	1 ~ 10	4.30
27.123.20.090	SBT50 x ER20M - 90	191.8	90	42	28	27	M12 x 1.75P	1 ~ 13	4.10
27.123.20.105	SBT50 x ER20M - 105	206.8	105	57	28	27	M12 x 1.75P	1 ~ 13	4.20
27.123.20.135	SBT50 x ER20M - 135	236.8	135	87	28	27	M12 x 1.75P	1 ~ 13	4.40
27.123.20.165	SBT50 x ER20M - 165	266.8	165	117	28	27	M12 x 1.75P	1 ~ 13	4.60

МАШГЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

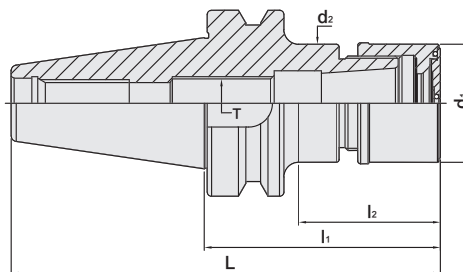
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-60~61	P.W-88	P.W-68~71



SBT / SKX COLLET CHUCK



SBT / SKX 法蘭加厚型立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.790.06.060	SBT30 x SKX6 - 60	108.4	60	33	18	18	M8 x 1.25P	3 ~ 6	0.70
25.790.06.090	SBT30 x SKX6 - 90	138.4	90	56	18	18	M8 x 1.25P	3 ~ 6	0.70
25.790.06.120	SBT30 x SKX6 - 120	168.4	120	86	18	18	M8 x 1.25P	3 ~ 6	0.80
25.790.10.045	SBT30 x SKX10 - 45	93.4	45	23	30	30	M12 x 1.75P	3 ~ 10	0.80
25.790.10.060	SBT30 x SKX10 - 60	108.4	60	35	30	30	M12 x 1.75P	3 ~ 10	0.90
25.790.10.075	SBT30 x SKX10 - 75	123.4	75	50	30	30	M12 x 1.75P	3 ~ 10	1.00
25.790.10.090	SBT30 x SKX10 - 90	138.4	90	65	30	30	M12 x 1.75P	3 ~ 10	1.00
25.790.10.120	SBT30 x SKX10 - 120	168.4	120	95	30	30	M12 x 1.75P	3 ~ 10	1.10
25.790.13.060	SBT30 x SKX13 - 60	108.4	60	35	35	33	M12 x 1.75P	3 ~ 13	1.10
25.790.13.090	SBT30 x SKX13 - 90	138.4	90	65	35	33	M12 x 1.75P	3 ~ 13	1.10
25.790.13.120	SBT30 x SKX13 - 120	168.4	120	95	35	33	M12 x 1.75P	3 ~ 13	1.20
25.790.16.060	SBT30 x SKX16 - 60	108.4	60	35	40	40	M18 x 1.5P	3 ~ 16	1.10
25.790.16.075	SBT30 x SKX16 - 75	123.4	75	50	40	40	M18 x 1.5P	3 ~ 16	1.20
25.790.16.090	SBT30 x SKX16 - 90	138.4	90	65	40	40	M18 x 1.5P	3 ~ 16	1.20
25.790.16.120	SBT30 x SKX16 - 120	168.4	120	95	40	40	M18 x 1.5P	3 ~ 16	1.30
25.790.20.060	SBT30 x SKX20 - 60	108.4	60	30	48.5	48.5	M12 x 1.75P	3 ~ 20	0.70
25.790.20.075	SBT30 x SKX20 - 75	123.4	75	45	48.5	48.5	M12 x 1.75P	3 ~ 20	0.90
25.790.20.090	SBT30 x SKX20 - 90	138.4	90	60	48.5	48.5	M12 x 1.75P	3 ~ 20	1.20
25.790.25.090	SBT30 x SKX25 - 90	138.4	90	60	55	55	M12 x 1.75P	3 ~ 25	1.50

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-60~61	P.W-88	P.W-68~73	P.W-72



SBT / SKX COLLET CHUCK



SBT / SKX 法蘭加厚型立銑刀夾頭



Fig.1

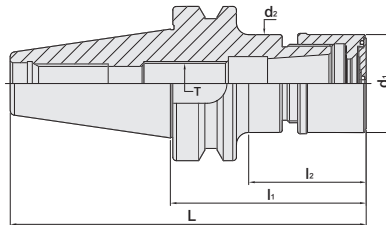
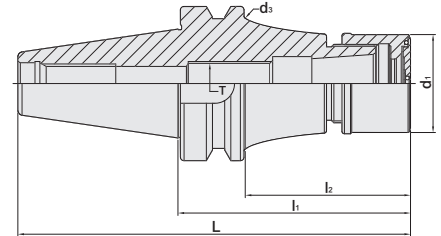


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
26.790.06.060	SBT40 x SKX6 - 60	125.4	60	30	18	18	-	M8 x 1.25P	3 ~ 6	1	1.00
26.790.06.090	SBT40 x SKX6 - 90	155.4	90	51	18	18	-	M8 x 1.25P	3 ~ 6	1	1.10
26.790.06.120	SBT40 x SKX6 - 120	185.4	120	93	18	18	53	M8 x 1.25P	3 ~ 6	2	1.56
26.790.06.150	SBT40 x SKX6 - 150	215.4	150	123	18	18	53	M8 x 1.25P	3 ~ 6	2	1.72
26.790.10.060	SBT40 x SKX10 - 60	125.4	60	32	30	30	-	M12 x 1.75P	3 ~ 10	1	1.10
26.790.10.075	SBT40 x SKX10 - 75	140.4	75	45	30	30	-	M12 x 1.75P	3 ~ 10	1	1.20
26.790.10.090	SBT40 x SKX10 - 90	155.4	90	48	30	30	-	M12 x 1.75P	3 ~ 10	1	1.20
26.790.10.120	SBT40 x SKX10 - 120	185.4	120	93	30	30	53	M12 x 1.75P	3 ~ 10	2	1.40
26.790.10.150	SBT40 x SKX10 - 150	215.4	150	123	30	30	53	M12 x 1.75P	3 ~ 10	2	1.91
26.790.10.180	SBT40 x SKX10 - 180	245.4	180	153	30	30	53	M12 x 1.75P	3 ~ 10	2	2.08
26.790.10.200	SBT40 x SKX10 - 200	265.4	200	173	30	30	53	M12 x 1.75P	3 ~ 10	2	2.17
26.790.10.250	SBT40 x SKX10 - 250	315.4	250	223	30	30	53	M12 x 1.75P	3 ~ 10	2	2.31
26.790.13.080	SBT40 x SKX13 - 80	145.4	80	50	33	33	-	M12 x 1.75P	3 ~ 13	1	1.10
26.790.13.100	SBT40 x SKX13 - 100	165.4	100	70	33	33	-	M12 x 1.75P	3 ~ 13	1	1.30
26.790.13.120	SBT40 x SKX13 - 120	185.4	120	90	33	33	-	M12 x 1.75P	3 ~ 13	2	1.40
26.790.16.060	SBT40 x SKX16 - 60	125.4	60	32	40	40	-	M18 x 1.5P	3 ~ 16	1	1.30
26.790.16.075	SBT40 x SKX16 - 75	140.4	75	43	40	40	-	M18 x 1.5P	3 ~ 16	1	1.40
26.790.16.090	SBT40 x SKX16 - 90	155.4	90	58	40	40	-	M18 x 1.5P	3 ~ 16	1	1.50
26.790.16.120	SBT40 x SKX16 - 120	185.4	120	93	40	40	62.5	M18 x 1.5P	3 ~ 16	2	1.83
26.790.16.150	SBT40 x SKX16 - 150	215.4	150	123	40	40	62.5	M18 x 1.5P	3 ~ 16	2	2.05
26.790.16.180	SBT40 x SKX16 - 180	245.4	180	153	40	40	62.5	M18 x 1.5P	3 ~ 16	2	2.27
26.790.16.200	SBT40 x SKX16 - 200	265.4	200	173	40	40	62.5	M18 x 1.5P	3 ~ 16	2	2.41
26.790.16.250	SBT40 x SKX16 - 250	315.4	250	223	40	40	62.5	M18 x 1.5P	3 ~ 16	2	3.21
26.790.20.060	SBT40 x SKX20 - 60	125.4	60	32	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.30
26.790.20.075	SBT40 x SKX20 - 75	140.4	75	45	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.40
26.790.20.090	SBT40 x SKX20 - 90	155.4	90	60	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.60
26.790.20.120	SBT40 x SKX20 - 120	185.4	120	93	48.5	48.5	62.5	M22 x 1.5P	3 ~ 20	2	2.00
26.790.25.075	SBT40 x SKX25 - 75	140.4	75	47	55	55	-	M28 x 2.0P	3 ~ 25	1	1.70
26.790.25.090	SBT40 x SKX25 - 90	155.4	90	61	55	55	-	M28 x 2.0P	3 ~ 25	1	1.80
26.790.25.120	SBT40 x SKX25 - 120	185.4	120	93	55	55	-	M28 x 2.0P	3 ~ 25	1	2.00

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-60~61	P.W-88	P.W-68~73	P.W-72



SBT / SKX COLLET CHUCK



SBT / SKX 法蘭加厚型立銑刀夾頭



Fig.1

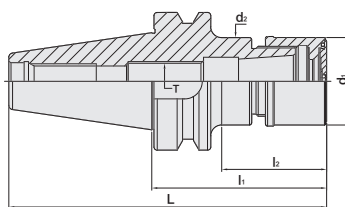
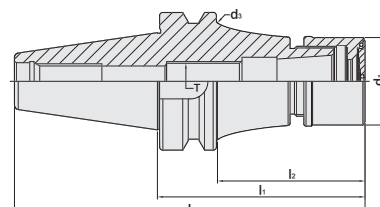


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
27.790.06.105	SBT50 x SKX6 - 105	206.8	105	55	18	18	-	M8 x 1.25P	3 ~ 6	1	3.80
27.790.06.135	SBT50 x SKX6 - 135	236.8	135	60	18	18	-	M8 x 1.25P	3 ~ 6	1	3.90
27.790.06.165	SBT50 x SKX6 - 165	266.8	165	85	18	18	-	M8 x 1.25P	3 ~ 6	1	4.00
27.790.06.200	SBT50 x SKX6 - 200	301.8	200	162	18	18	85	M8 x 1.25P	3 ~ 6	2	5.83
27.790.10.105	SBT50 x SKX10 - 105	206.8	105	57	30	30	-	M12 x 1.75P	3 ~ 10	1	4.20
27.790.10.135	SBT50 x SKX10 - 135	236.8	135	70	30	30	-	M12 x 1.75P	3 ~ 10	1	4.40
27.790.10.165	SBT50 x SKX10 - 165	266.8	165	90	30	30	-	M12 x 1.75P	3 ~ 10	1	4.60
27.790.10.200	SBT50 x SKX10 - 200	301.8	200	162	30	30	85	M12 x 1.75P	3 ~ 10	2	6.19
27.790.10.225	SBT50 x SKX10 - 225	326.8	225	187	30	30	85	M12 x 1.75P	3 ~ 10	2	6.56
27.790.10.250	SBT50 x SKX10 - 250	351.8	250	212	30	30	85	M12 x 1.75P	3 ~ 10	2	6.92
27.790.10.300	SBT50 x SKX10 - 300	401.8	300	262	30	30	85	M12 x 1.75P	3 ~ 10	2	7.55
27.790.13.105	SBT50 x SKX13 - 105	206.8	105	62	35	33	-	M12 x 1.75P	3 ~ 13	1	4.50
27.790.13.135	SBT50 x SKX13 - 135	236.8	135	92	35	33	-	M12 x 1.75P	3 ~ 13	2	4.70
27.790.13.165	SBT50 x SKX13 - 165	266.8	165	92	35	33	-	M12 x 1.75P	3 ~ 13	2	4.90
27.790.13.200	SBT50 x SKX13 - 200	301.8	200	92	35	33	-	M12 x 1.75P	3 ~ 13	2	5.20
27.790.13.250	SBT50 x SKX13 - 250	351.8	250	92	35	33	-	M12 x 1.75P	3 ~ 13	2	5.70
27.790.16.105	SBT50 x SKX16 - 105	206.8	105	62	40	40	-	M18 x 1.5P	3 ~ 16	1	4.70
27.790.16.135	SBT50 x SKX16 - 135	236.8	135	92	40	40	-	M18 x 1.5P	3 ~ 16	1	4.90
27.790.16.165	SBT50 x SKX16 - 165	266.8	165	90	40	40	-	M18 x 1.5P	3 ~ 16	1	5.10
27.790.16.200	SBT50 x SKX16 - 200	301.8	200	162	40	40	85	M18 x 1.5P	3 ~ 16	2	6.31
27.790.16.250	SBT50 x SKX16 - 250	351.8	250	212	40	40	85	M18 x 1.5P	3 ~ 16	2	7.13
27.790.16.300	SBT50 x SKX16 - 300	401.8	300	262	40	40	85	M18 x 1.5P	3 ~ 16	2	7.87
27.790.20.105	SBT50 x SKX20 - 105	206.8	105	62	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	4.30
27.790.20.135	SBT50 x SKX20 - 135	236.8	135	92	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	4.60
27.790.20.165	SBT50 x SKX20 - 165	266.8	165	122	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	5.00
27.790.20.200	SBT50 x SKX20 - 200	301.8	200	162	48.5	48.5	85	M22 x 1.5P	3 ~ 20	2	6.57
27.790.20.250	SBT50 x SKX20 - 250	351.8	250	212	48.5	48.5	85	M22 x 1.5P	3 ~ 20	2	7.47
27.790.20.300	SBT50 x SKX20 - 300	401.8	300	262	48.5	48.5	85	M22 x 1.5P	3 ~ 20	2	8.27
27.790.25.105	SBT50 x SKX25 - 105	206.8	105	62	55	55	-	M28 x 2.0P	3 ~ 25	1	5.20
27.790.25.135	SBT50 x SKX25 - 135	236.8	135	92	55	55	-	M28 x 2.0P	3 ~ 25	1	5.40
27.790.25.165	SBT50 x SKX25 - 165	266.8	165	122	55	55	-	M28 x 2.0P	3 ~ 25	1	5.60
27.790.25.200	SBT50 x SKX25 - 200	301.8	200	162	55	55	85	M28 x 2.0P	3 ~ 25	2	6.53
27.790.25.250	SBT50 x SKX25 - 250	351.8	250	212	55	55	85	M28 x 2.0P	3 ~ 25	2	7.57
27.790.25.300	SBT50 x SKX25 - 300	401.8	300	262	55	55	85	M28 x 2.0P	3 ~ 25	2	8.51

Standard Accessory: • NUT

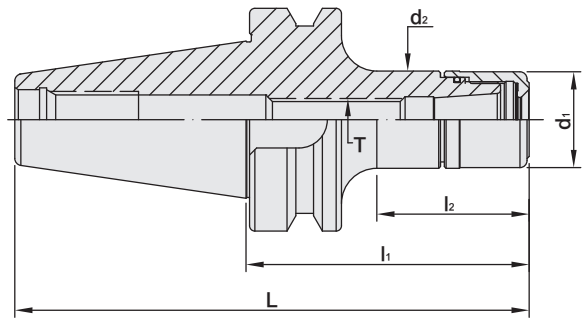
Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-60~61	P.W-88	P.W-68~73	P.W-72



SBT / SK3 COLLET CHUCK



SBT / SK3 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.763.06.060	SBT30 x SK306 - 60	108.4	60	33	19.5	19.5	M8 x 1.25P	3 ~ 6	0.90
25.763.06.080	SBT30 x SK306 - 80	128.4	80	53	19.5	19.5	M8 x 1.25P	3 ~ 6	1.00
25.763.10.060	SBT30 x SK310 - 60	108.4	60	35	27.5	27.5	M12 x 1.75P	3 ~ 10	0.90
25.763.10.080	SBT30 x SK310 - 80	128.4	80	55	27.5	27.5	M12 x 1.75P	3 ~ 10	1.00
25.763.13.060	SBT30 x SK313 - 60	108.4	60	35	33	33	M12 x 1.75P	3 ~ 13	1.10
25.763.13.080	SBT30 x SK313 - 80	128.4	80	55	33	33	M12 x 1.75P	3 ~ 13	1.00
25.763.16.060	SBT30 x SK316 - 60	108.4	60	38	40	40	M18 x 1.5P	3 ~ 16	1.20
25.763.16.080	SBT30 x SK316 - 80	128.4	80	57	40	40	M18 x 1.5P	3 ~ 16	1.30
26.763.06.080	SBT40 x SK306 - 80	145.4	80	43	19.5	19.5	M8 x 1.25P	3 ~ 6	1.10
26.763.06.100	SBT40 x SK306 - 100	165.4	100	63	19.5	19.5	M8 x 1.25P	3 ~ 6	1.30
26.763.06.120	SBT40 x SK306 - 120	185.4	120	83	19.5	19.5	M8 x 1.25P	3 ~ 6	1.40
26.763.10.080	SBT40 x SK310 - 80	145.4	80	43	27.5	27.5	M12 x 1.75P	3 ~ 10	1.10
26.763.10.100	SBT40 x SK310 - 100	165.4	100	63	27.5	27.5	M12 x 1.75P	3 ~ 10	1.30
26.763.10.120	SBT40 x SK310 - 120	185.4	120	83	27.5	27.5	M12 x 1.75P	3 ~ 10	1.40
26.763.13.080	SBT40 x SK313 - 80	145.4	80	50	33	33	M12 x 1.75P	3 ~ 13	1.10
26.763.13.100	SBT40 x SK313 - 100	165.4	100	70	33	33	M12 x 1.75P	3 ~ 13	1.30
26.763.13.120	SBT40 x SK313 - 120	185.4	120	90	33	33	M12 x 1.75P	3 ~ 13	1.40
26.763.16.080	SBT40 x SK316 - 80	145.4	80	48	40	40	M18 x 1.5P	3 ~ 16	1.20
26.763.16.100	SBT40 x SK316 - 100	165.4	100	68	40	40	M18 x 1.5P	3 ~ 16	1.40
26.763.16.120	SBT40 x SK316 - 120	185.4	120	88	40	40	M18 x 1.5P	3 ~ 16	1.50

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

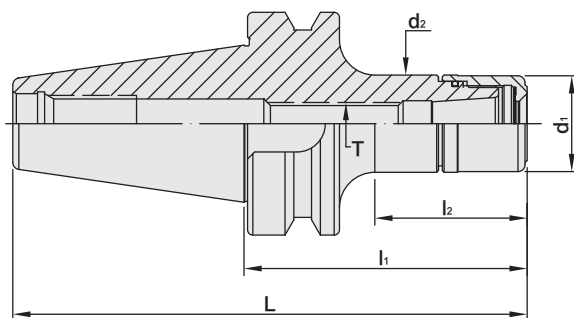
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



SBT / SK3 COLLET CHUCK

Dual
DRIVE+5 μ m

SBT / SK3 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.763.06.080	SBT50 x SK306 - 80	181.8	80	34	19.5	19.5	M8 x 1.25P	3 ~ 6	4.00
27.763.06.100	SBT50 x SK306 - 100	201.8	100	54	19.5	19.5	M8 x 1.25P	3 ~ 6	4.10
27.763.06.120	SBT50 x SK306 - 120	221.8	120	61	19.5	19.5	M8 x 1.25P	3 ~ 6	4.20
27.763.10.080	SBT50 x SK310 - 80	181.8	80	39	27.5	27.5	M12 x 1.75P	3 ~ 10	4.10
27.763.10.100	SBT50 x SK310 - 100	201.8	100	57	27.5	27.5	M12 x 1.75P	3 ~ 10	4.20
27.763.10.120	SBT50 x SK310 - 120	221.8	120	79	27.5	27.5	M12 x 1.75P	3 ~ 10	4.30
27.763.13.080	SBT50 x SK313 - 80	181.8	80	39	33	33	M12 x 1.75P	3 ~ 13	4.20
27.763.13.100	SBT50 x SK313 - 100	201.8	100	52	33	33	M12 x 1.75P	3 ~ 13	4.30
27.763.13.120	SBT50 x SK313 - 120	221.8	120	79	33	33	M12 x 1.75P	3 ~ 13	4.40
27.763.16.080	SBT50 x SK316 - 80	181.8	80	40	40	40	M18 x 1.5P	3 ~ 16	4.30
27.763.16.100	SBT50 x SK316 - 100	201.8	100	57	40	40	M18 x 1.5P	3 ~ 16	4.40
27.763.16.120	SBT50 x SK316 - 120	221.8	120	72	40	40	M18 x 1.5P	3 ~ 16	4.50

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

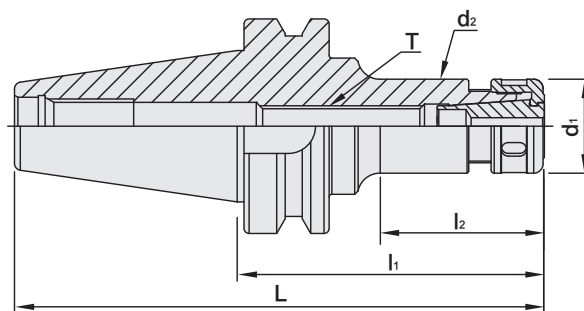
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



SBT / SKS COLLET CHUCK

Dual
DRIVE+5 μ m

SBT / SKS 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
25.658.06.045	SBT30 x SKS6 - 45	93.4	45	22	18	18	M8 x 1.25P	3 ~ 6	0.80
25.658.06.060	SBT30 x SKS6 - 60	108.4	60	33	18	18	M8 x 1.25P	3 ~ 6	0.90
25.658.10.045	SBT30 x SKS10 - 45	93.4	45	22	30	27.6	M12 x 1.75P	3 ~ 10	0.80
25.658.10.060	SBT30 x SKS10 - 60	108.4	60	33	30	27.6	M12 x 1.75P	3 ~ 10	0.90
25.658.10.090	SBT30 x SKS10 - 90	138.4	90	63	30	27.6	M12 x 1.75P	3 ~ 10	1.00
25.658.13.060	SBT30 x SKS13 - 60	108.4	60	35	35	33	M12 x 1.75P	3 ~ 13	1.10
25.658.13.090	SBT30 x SKS13 - 90	138.4	90	65	35	33	M12 x 1.75P	3 ~ 13	1.10
25.658.13.120	SBT30 x SKS13 - 120	168.4	120	95	35	33	M12 x 1.75P	3 ~ 13	1.20
25.658.16.060	SBT30 x SKS16 - 60	108.4	60	37	40	40	M18 x 1.5P	3 ~ 16	1.20
25.658.16.090	SBT30 x SKS16 - 90	138.4	90	67	40	40	M18 x 1.5P	3 ~ 16	1.20
25.658.20.060	SBT30 x SKS20 - 60	108.4	60	35	48.5	48.5	M12 x 1.75P	3 ~ 20	0.70
25.658.20.090	SBT30 x SKS20 - 90	138.4	90	60	48.5	48.5	M12 x 1.75P	3 ~ 20	1.20

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

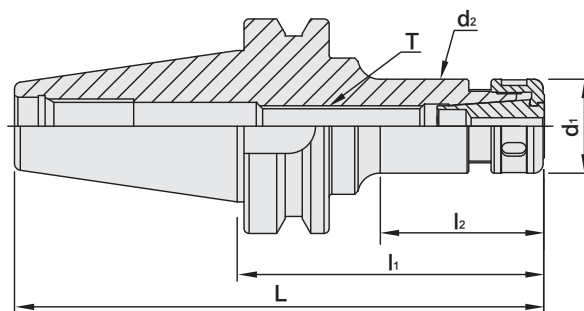
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-60~61	P.W-88	P.W-68~73



SBT / SKS COLLET CHUCK

Dual
DRIVE+5 μ m

SBT / SKS 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
26.658.06.090	SBT40 x SKS6 - 90	155.4	90	44	18	18	M8 x 1.25P	3 ~ 6	1.20
26.658.06.120	SBT40 x SKS6 - 120	185.4	120	74	18	18	M8 x 1.25P	3 ~ 6	1.40
26.658.10.090	SBT40 x SKS10 - 90	155.4	90	45	30	27.6	M12 x 1.75P	3 ~ 10	1.50
26.658.10.120	SBT40 x SKS10 - 120	185.4	120	74	30	27	M12 x 1.75P	3 ~ 10	1.60
26.658.13.060	SBT40 x SKS13 - 60	125.4	60	30	35	33	M12 x 1.75P	3 ~ 13	1.20
26.658.13.090	SBT40 x SKS13 - 90	155.4	90	61	35	33	M12 x 1.75P	3 ~ 13	1.40
26.658.13.120	SBT40 x SKS13 - 120	185.4	120	88	35	33	M12 x 1.75P	3 ~ 13	1.60
26.658.16.090	SBT40 x SKS16 - 90	155.4	90	58	40	40	M18 x 1.5P	3 ~ 16	1.60
26.658.16.120	SBT40 x SKS16 - 120	185.4	120	88	40	40	M18 x 1.5P	3 ~ 16	1.70
26.658.20.060	SBT40 x SKS20 - 60	125.4	60	32	48.5	48.5	M22 x 1.5P	3 ~ 20	1.30
26.658.20.090	SBT40 x SKS20 - 90	155.4	90	60	48.5	48.5	M22 x 1.5P	3 ~ 20	1.60
26.658.20.120	SBT40 x SKS20 - 120	185.4	120	90	48.5	48.5	M22 x 1.5P	3 ~ 20	2.00
26.658.25.090	SBT40 x SKS25 - 90	155.4	90	61	55	55	M28 x 2.0P	3 ~ 25.4	1.70
26.658.25.120	SBT40 x SKS25 - 120	185.4	120	91	55	55	M28 x 2.0P	3 ~ 25.4	1.80

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

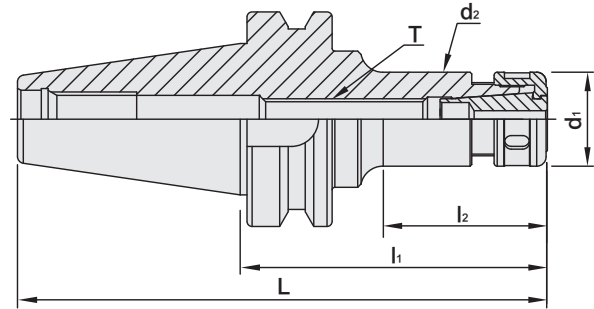
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-60~61	P.W-88	P.W-68~73

SBT / SKS COLLET CHUCK



SBT / SKS 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
27.658.06.090	SBT50 x SKS6 - 90	191.8	90	42	18	18	M8 x 1.25P	3 ~ 6	4.00
27.658.06.120	SBT50 x SKS6 - 120	221.8	120	60	18	18	M8 x 1.25P	3 ~ 6	4.20
27.658.10.105	SBT50 x SKS10 - 105	206.8	105	62	30	27.6	M12 x 1.75P	3 ~ 10	4.50
27.658.10.150	SBT50 x SKS10 - 150	251.8	150	94	30	27	M12 x 1.75P	3 ~ 10	4.60
27.658.10.165	SBT50 x SKS10 - 165	266.8	165	108	30	27	M12 x 1.75P	3 ~ 10	4.30
27.658.10.200	SBT50 x SKS10 - 200	301.8	200	145	30	27	M12 x 1.75P	3 ~ 10	5.20
27.658.10.250	SBT50 x SKS10 - 250	351.8	250	193	30	27	M12 x 1.75P	3 ~ 10	5.60
27.658.13.105	SBT50 x SKS13 - 105	206.8	105	62	35	33	M12 x 1.75P	3 ~ 13	4.50
27.658.13.135	SBT50 x SKS13 - 135	236.8	135	92	35	33	M12 x 1.75P	3 ~ 13	4.70
27.658.13.165	SBT50 x SKS13 - 165	266.8	165	92	35	33	M12 x 1.75P	3 ~ 13	4.90
27.658.13.200	SBT50 x SKS13 - 200	301.8	200	92	35	33	M12 x 1.75P	3 ~ 13	5.20
27.658.13.250	SBT50 x SKS13 - 250	351.8	250	92	35	33	M12 x 1.75P	3 ~ 13	5.70
27.658.16.105	SBT50 x SKS16 - 105	206.8	105	57	40	40	M18 x 1.5P	3 ~ 16	4.50
27.658.16.150	SBT50 x SKS16 - 150	251.8	150	93	40	40	M18 x 1.5P	3 ~ 16	4.70
27.658.16.165	SBT50 x SKS16 - 165	266.8	165	108	40	40	M18 x 1.5P	3 ~ 16	4.50
27.658.16.200	SBT50 x SKS16 - 200	301.8	200	92	40	40	M18 x 1.5P	3 ~ 16	5.50
27.658.16.250	SBT50 x SKS16 - 250	351.8	250	92	40	40	M18 x 1.5P	3 ~ 16	6.00
27.658.20.105	SBT50 x SKS20 - 105	206.8	105	62	48.5	48.5	M22 x 1.5P	3 ~ 20	4.30
27.658.20.135	SBT50 x SKS20 - 135	236.8	135	92	48.5	48.5	M22 x 1.5P	3 ~ 20	4.60
27.658.20.165	SBT50 x SKS20 - 165	266.8	165	122	48.5	48.5	M22 x 1.5P	3 ~ 20	5.00
27.658.20.200	SBT50 x SKS20 - 200	301.8	200	157	48.5	48.5	M22 x 1.5P	3 ~ 20	5.40
27.658.20.250	SBT50 x SKS20 - 250	351.8	250	207	48.5	48.5	M22 x 1.5P	3 ~ 20	6.10
27.658.25.105	SBT50 x SKS25 - 105	206.8	105	62	55	55	M28 x 2.0P	3 ~ 25.4	4.50
27.658.25.150	SBT50 x SKS25 - 150	251.8	150	107	55	55	M28 x 2.0P	3 ~ 25.4	4.80
27.658.25.200	SBT50 x SKS25 - 200	301.8	200	157	55	55	M28 x 2.0P	3 ~ 25.4	6.00
27.658.25.250	SBT50 x SKS25 - 250	351.8	250	207	55	55	M28 x 2.0P	3 ~ 25.4	6.70

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-60~61	P.W-88	P.W-68~73

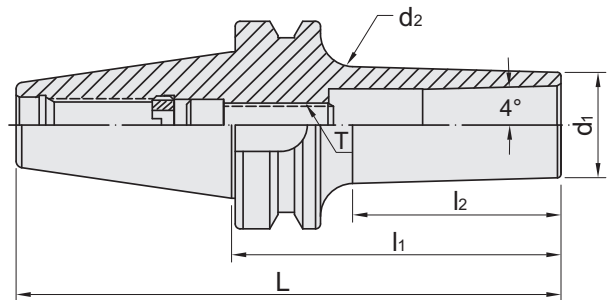


SBT / SBL SLIM-FIT COLLET CHUCK

SBT

Dual
DRIVE+

SBT / SBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
25.648.06.070	SBT30 x SBL6 - 70	118.4	70	38	14	18	M6 x 1.0P	12	9	3 ~ 6	0.60
25.648.06.100	SBT30 x SBL6 - 100	148.4	100	68	14	21	M6 x 1.0P	12	9	3 ~ 6	1.25
25.648.12.070	SBT30 x SBL12 - 70	118.4	70	47	26	33	M10 x 1.5P	45	33	3 ~ 12	1.20
25.648.12.100	SBT30 x SBL12 - 100	148.4	100	77	26	38	M10 x 1.5P	45	33	3 ~ 12	1.45
25.648.20.080	SBT30 x SBL20 - 80	128.4	80	55	34	37	M12 x 1.75P	60	44	3 ~ 20	1.20
25.648.20.100	SBT30 x SBL20 - 100	148.4	100	77	34	39	M12 x 1.75P	60	44	3 ~ 20	1.45
26.648.06.070	SBT40 x SBL6 - 70	135.4	70	28	14	17	M6 x 1.0P	12	9	3 ~ 6	1.07
26.648.06.100	SBT40 x SBL6 - 100	165.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.14
26.648.06.130	SBT40 x SBL6 - 130	195.4	130	88	14	23	M6 x 1.0P	12	9	3 ~ 6	1.23
26.648.08.100	SBT40 x SBL8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
26.648.08.130	SBT40 x SBL8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
26.648.08.150	SBT40 x SBL8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
26.648.12.070	SBT40 x SBL12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.14
26.648.12.100	SBT40 x SBL12 - 100	165.4	100	63	26	31	M10 x 1.5P	45	33	3 ~ 12	1.29
26.648.12.130	SBT40 x SBL12 - 130	195.4	130	93	26	34	M10 x 1.5P	45	33	3 ~ 12	1.47
26.648.12.170	SBT40 x SBL12 - 170	235.4	170	133	26	37	M10 x 1.5P	45	33	3 ~ 12	1.76
26.648.20.070	SBT40 x SBL20 - 70	135.4	70	33	35	38	M12 x 1.75P	60	44	3 ~ 20	1.50
26.648.20.100	SBT40 x SBL20 - 100	165.4	100	68	35	40	M12 x 1.75P	60	44	3 ~ 20	1.70
26.648.20.130	SBT40 x SBL20 - 130	195.4	130	98	35	43	M12 x 1.75P	60	44	3 ~ 20	1.74
26.648.25.080	SBT40 x SBL25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
26.648.25.100	SBT40 x SBL25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90
27.648.06.070	SBT50 x SBL6 - 70	171.8	70	17	14	15	M6 x 1.0P	12	9	3 ~ 6	4.00
27.648.06.100	SBT50 x SBL6 - 100	201.8	100	47	14	19	M6 x 1.0P	12	9	3 ~ 6	4.10
27.648.08.100	SBT50 x SBL8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
27.648.08.130	SBT50 x SBL8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
27.648.08.150	SBT50 x SBL8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
27.648.12.070	SBT50 x SBL12 - 70	171.8	70	22	26	28	M10 x 1.5P	45	33	3 ~ 12	4.20
27.648.12.100	SBT50 x SBL12 - 100	201.8	100	52	26	30	M10 x 1.5P	45	33	3 ~ 12	4.30
27.648.12.125	SBT50 x SBL12 - 125	226.8	125	77	26	32	M10 x 1.5P	45	33	3 ~ 12	4.40
27.648.20.070	SBT50 x SBL20 - 70	171.8	70	22	35	36	M12 x 1.75P	60	44	3 ~ 20	4.60
27.648.20.100	SBT50 x SBL20 - 100	201.8	100	52	35	39	M12 x 1.75P	60	44	3 ~ 20	4.70
27.648.20.125	SBT50 x SBL20 - 125	226.8	125	77	35	41	M12 x 1.75P	60	44	3 ~ 20	4.22
27.648.25.070	SBT50 x SBL25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
27.648.25.100	SBT50 x SBL25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order. ▶ SBT30 tool holders are without coolant supply over collars.

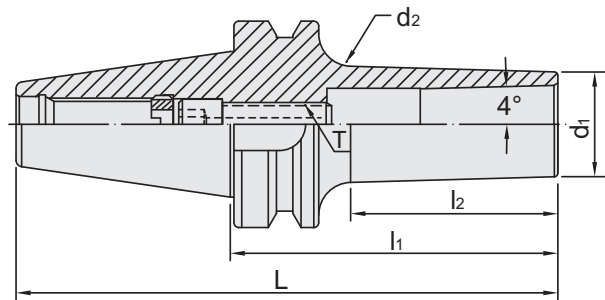
Collet	Pull Stud	Screw	Spanner
P.W-33	P.W-60~61	P.W-91	P.W-72



SBT / SBLC SLIM-FIT COLLET CHUCK



SBT / SBLC 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
25.648C.06.070	SBT30 x SBLC6 - 70	118.4	70	38	14	18	M6 x 1.0P	12	9	3 ~ 6	0.60
25.648C.06.100	SBT30 x SBLC6 - 100	148.4	100	68	14	21	M6 x 1.0P	12	9	3 ~ 6	1.25
25.648C.12.070	SBT30 x SBLC12 - 70	118.4	70	47	26	33	M10 x 1.5P	45	33	3 ~ 12	1.20
25.648C.12.100	SBT30 x SBLC12 - 100	148.4	100	77	26	38	M10 x 1.5P	45	33	3 ~ 12	1.45
25.648C.20.080	SBT30 x SBLC20 - 80	128.4	80	55	34	37	M12 x 1.75P	60	44	3 ~ 20	1.20
25.648C.20.100	SBT30 x SBLC20 - 100	148.4	100	77	34	39	M12 x 1.75P	60	44	3 ~ 20	1.45
26.648C.06.070	SBT40 x SBLC6 - 70	135.4	70	28	14	17	M6 x 1.0P	12	9	3 ~ 6	1.07
26.648C.06.100	SBT40 x SBLC6 - 100	165.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.14
26.648C.06.130	SBT40 x SBLC6 - 130	195.4	130	88	14	23	M6 x 1.0P	12	9	3 ~ 6	1.23
26.648C.08.100	SBT40 x SBLC8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
26.648C.08.130	SBT40 x SBLC8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
26.648C.08.150	SBT40 x SBLC8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
26.648C.12.070	SBT40 x SBLC12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.14
26.648C.12.100	SBT40 x SBLC12 - 100	165.4	100	63	26	31	M10 x 1.5P	45	33	3 ~ 12	1.29
26.648C.12.130	SBT40 x SBLC12 - 130	195.4	130	93	26	34	M10 x 1.5P	45	33	3 ~ 12	1.47
26.648C.12.170	SBT40 x SBLC12 - 170	235.4	170	133	26	37	M10 x 1.5P	45	33	3 ~ 12	1.76
26.648C.20.070	SBT40 x SBLC20 - 70	135.4	70	33	35	38	M12 x 1.75P	60	44	3 ~ 20	1.50
26.648C.20.100	SBT40 x SBLC20 - 100	165.4	100	68	35	40	M12 x 1.75P	60	44	3 ~ 20	1.70
26.648C.20.130	SBT40 x SBLC20 - 130	195.4	130	98	35	43	M12 x 1.75P	60	44	3 ~ 20	1.74
26.648C.25.080	SBT40 x SBLC25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
26.648C.25.100	SBT40 x SBLC25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90
27.648C.06.070	SBT50 x SBLC6 - 70	171.8	70	17	14	15	M6 x 1.0P	12	9	3 ~ 6	4.00
27.648C.06.100	SBT50 x SBLC6 - 100	201.8	100	47	14	19	M6 x 1.0P	12	9	3 ~ 6	4.10
27.648C.08.100	SBT50 x SBLC8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
27.648C.08.130	SBT50 x SBLC8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
27.648C.08.150	SBT50 x SBLC8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
27.648C.12.070	SBT50 x SBLC12 - 70	171.8	70	22	26	28	M10 x 1.5P	45	33	3 ~ 12	4.20
27.648C.12.100	SBT50 x SBLC12 - 100	201.8	100	52	26	30	M10 x 1.5P	45	33	3 ~ 12	4.30
27.648C.12.125	SBT50 x SBLC12 - 125	226.8	125	77	26	32	M10 x 1.5P	45	33	3 ~ 12	4.40
27.648C.20.070	SBT50 x SBLC20 - 70	171.8	70	22	35	36	M12 x 1.75P	60	44	3 ~ 20	4.60
27.648C.20.100	SBT50 x SBLC20 - 100	201.8	100	52	35	39	M12 x 1.75P	60	44	3 ~ 20	4.70
27.648C.20.125	SBT50 x SBLC20 - 125	226.8	125	77	35	41	M12 x 1.75P	60	44	3 ~ 20	4.22
27.648C.25.070	SBT50 x SBLC25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
27.648C.25.100	SBT50 x SBLC25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Standard Accessory: • SPANNER

Sealed Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-60~61	P.W-91	P.W-72

Product information:

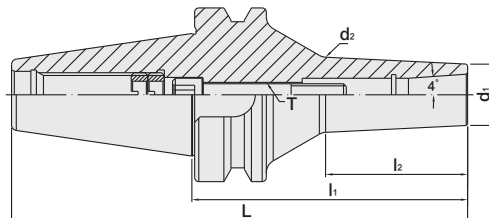
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.
- ▶ Used with SLC sealed collet and coolant through cutters.



SBT / EBL SLIM-FIT COLLET CHUCK

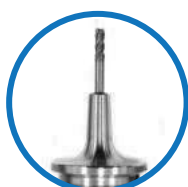
Dual
DRIVE+

SBT / EBL 法蘭加厚型後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
25.277.06.070	SBT30 x EBL6 - 70	118.4	70	40.6	19.05	23	M6 x 1.0P	12	9	3 ~ 6	0.51
25.277.06.100	SBT30 x EBL6 - 100	148.4	100	72.2	19.05	26	M6 x 1.0P	12	9	3 ~ 6	0.62
26.277.06.070	SBT40 x EBL6 - 70	135.4	70	29.9	19.05	21.9	M6 x 1.0P	12	9	3 ~ 6	1.10
26.277.06.100	SBT40 x EBL6 - 100	165.4	100	61.4	19.05	25	M6 x 1.0P	12	9	3 ~ 6	1.20
26.277.08.070	SBT40 x EBL8 - 70	135.4	70	28.2	22.225	24.9	M8 x 1.25P	29	21	3 ~ 8	1.12
26.277.08.100	SBT40 x EBL8 - 100	165.4	100	51.5	22.225	27.6	M8 x 1.25P	29	21	3 ~ 8	1.24
27.277.06.070	SBT50 x EBL6 - 70	171.8	70	18.3	19.05	20.8	M6 x 1.0P	12	9	3 ~ 6	3.68
27.277.06.100	SBT50 x EBL6 - 100	201.8	100	49.9	19.05	23.9	M6 x 1.0P	12	9	3 ~ 6	3.77
27.277.08.070	SBT50 x EBL8 - 70	171.8	70	16.6	22.225	23.8	M8 x 1.25P	29	21	3 ~ 8	3.74
27.277.08.100	SBT50 x EBL8 - 100	201.8	100	48.2	22.225	26.9	M8 x 1.25P	29	21	3 ~ 8	3.84

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
P.W-35	P.W-36	P.W-60~61	P.W-72



SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

Fig.1

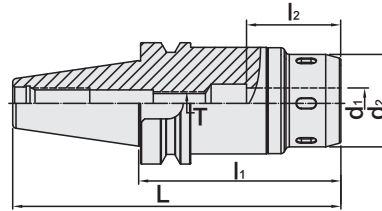
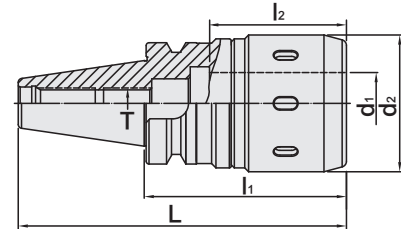


Fig.2



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
25.463G.12.080	SBT30 x MLD12 - 80	128.4	80	46.7	12	42	M12 x 1.75P	2	1.00
25.463G.16.075	SBT30 x MLD16 - 75	123.4	75	56.7	16	48	M12 x 1.75P	1	1.20
25.463G.20.080	SBT30 x MLD20 - 80	128.4	80	59.3	20	56.5	M12 x 1.75P	2	1.90
25.463G.20.090	SBT30 x MLD20 - 90	138.4	90	59.3	20	56.5	M16 x 2.0P	2	2.00
25.463G.25.090	SBT30 x MLD25 - 90	138.4	90	58.2	25	60	M16 x 2.0P	2	1.80
26.463G.12.075	SBT40 x MLD12 - 75	140.4	75	46.7	12	42	M12 x 1.75P	1	1.50
26.463G.12.105	SBT40 x MLD12 - 105	170.4	105	46.7	12	42	M12 x 1.75P	1	2.00
26.463G.12.135	SBT40 x MLD12 - 135	200.4	135	46.7	12	42	M12 x 1.75P	1	2.10
26.463G.16.075	SBT40 x MLD16 - 75	140.4	75	56.7	16	48	M12 x 1.75P	1	1.70
26.463G.16.105	SBT40 x MLD16 - 105	170.4	105	56.7	16	48	M12 x 1.75P	1	2.30
26.463G.16.135	SBT40 x MLD16 - 135	200.4	135	56.7	16	48	M12 x 1.75P	1	2.40
26.463G.20.080	SBT40 x MLD20 - 80	145.4	80	59.3	20	56.5	M16 x 2.0P	1	2.30
26.463G.20.100	SBT40 x MLD20 - 100	165.4	100	59.3	20	56.5	M16 x 2.0P	1	2.50
26.463G.20.135	SBT40 x MLD20 - 135	200.4	135	59.3	20	56.5	M16 x 2.0P	1	2.80
26.463G.25.085	SBT40 x MLD25 - 85	150.4	85	58.2	25	60	M16 x 2.0P	1	2.20
26.463G.25.100	SBT40 x MLD25 - 100	165.4	100	58.2	25	60	M16 x 2.0P	1	2.40
26.463G.32.095	SBT40 x MLD32 - 95	160.4	95	71.7	32	71	M16 x 2.0P	2	2.70
26.463G.32.105	SBT40 x MLD32 - 105	170.4	105	71.7	32	71	M16 x 2.0P	2	2.70
26.463G.32.135	SBT40 x MLD32 - 135	200.4	135	71.7	32	71	M16 x 2.0P	2	3.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



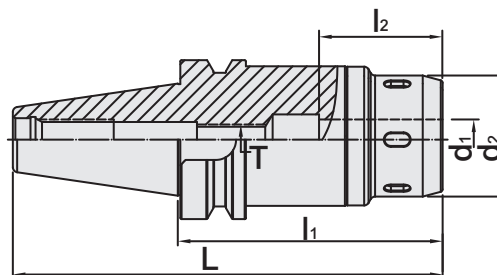
SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
27.463G.12.105	SBT50 x MLD12 - 105	206.8	105	46.7	12	42	M12 x 1.75P	4.60
27.463G.12.135	SBT50 x MLD12 - 135	236.8	135	46.7	12	42	M12 x 1.75P	5.10
27.463G.12.165	SBT50 x MLD12 - 165	266.8	165	46.7	12	42	M12 x 1.75P	5.80
27.463G.16.105	SBT50 x MLD16 - 105	206.8	105	56.7	16	48	M12 x 1.75P	4.90
27.463G.16.135	SBT50 x MLD16 - 135	236.8	135	56.7	16	48	M12 x 1.75P	5.60
27.463G.16.165	SBT50 x MLD16 - 165	266.8	165	56.7	16	48	M12 x 1.75P	6.50
27.463G.20.105	SBT50 x MLD20 - 105	206.8	105	59.3	20	56.5	M16 x 2.0P	4.50
27.463G.20.150	SBT50 x MLD20 - 150	251.8	150	59.3	20	56.5	M16 x 2.0P	4.90
27.463G.25.100	SBT50 x MLD25 - 100	201.8	100	58.2	25	60	M16 x 2.0P	4.80
27.463G.25.130	SBT50 x MLD25 - 130	231.8	130	58.2	25	60	M16 x 2.0P	5.70
27.463G.32.105	SBT50 x MLD32 - 105	206.8	105	71.7	32	71	M24 x 3.0P	5.00
27.463G.32.135	SBT50 x MLD32 - 135	236.8	135	71.7	32	71	M24 x 3.0P	5.20
27.463G.32.165	SBT50 x MLD32 - 165	266.8	165	71.7	32	71	M24 x 3.0P	6.70
27.463G.42.115	SBT50 x MLD42 - 115	216.8	115	84.8	42	90	M24 x 3.0P	5.50
27.463G.42.130	SBT50 x MLD42 - 130	231.8	130	84.8	42	90	M24 x 3.0P	6.50
27.463G.42.165	SBT50 x MLD42 - 165	266.8	165	84.8	42	90	M24 x 3.0P	7.70

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



Fig.1

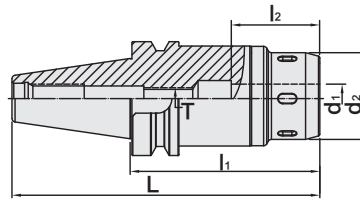
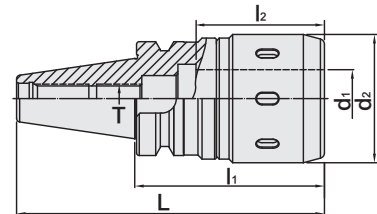


Fig.2



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
25.463G.58.315	SBT30 x MLD1/2" - 3.15"	5.05	3.15	1.84	0.5	1.654	M12 x 1.75P	2	1.00
25.463G.61.295	SBT30 x MLD5/8" - 2.95"	4.86	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.20
25.463G.64.354	SBT30 x MLD3/4" - 3.54"	5.449	3.54	2.34	0.75	2.224	M12 x 1.75P	2	1.90
25.463G.68.354	SBT30 x MLD1" - 3.54"	5.449	3.54	2.49	1	2.36	M16 x 2.0P	2	1.80
26.463G.58.295	SBT40 x MLD1/2" - 2.95"	5.528	2.95	1.84	0.5	1.654	M12 x 1.75P	1	1.50
26.463G.61.295	SBT40 x MLD5/8" - 2.95"	5.528	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.70
26.463G.64.315	SBT40 x MLD3/4" - 3.15"	5.724	3.15	2.34	0.75	2.224	M16 x 2.0P	1	2.30
26.463G.68.335	SBT40 x MLD1" - 3.35"	5.921	3.35	2.49	1	2.36	M16 x 2.0P	1	2.20
26.463G.72.400	SBT40 x MLD1-1/4" - 4"	6.575	4	2.8	1.25	2.795	M16 x 2.0P	2	2.70
27.463G.58.400	SBT50 x MLD1/2" - 4"	8.008	4	1.84	0.5	1.654	M12 x 1.75P	1	4.60
27.463G.61.400	SBT50 x MLD5/8" - 4"	8.008	4	2.23	0.625	1.889	M12 x 1.75P	1	4.90
27.463G.64.400	SBT50 x MLD3/4" - 4"	8.008	4	2.34	0.75	2.224	M16 x 2.0P	1	4.50
27.463G.68.413	SBT50 x MLD1" - 4.13"	8.14	4.13	2.49	1	2.36	M16 x 2.0P	1	4.80
27.463G.68.512	SBT50 x MLD1" - 5.12"	9.126	5.12	2.49	1	2.36	M16 x 2.0P	1	5.70
27.463G.72.400	SBT50 x MLD1-1/4" - 4"	8.008	4	2.8	1.25	2.795	M24 x 3.0P	1	4.90

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-60~61	P.W-88	P.W-71~72	P.W-73



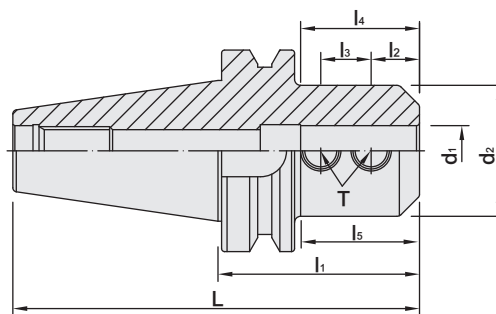
SBT / SLN SIDE LOCK END MILL HOLDER

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄

[DIN ISO 1835]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
25.653.06.060	SBT30 x SLN6 - 60	108.4	60	18	-	35	33	6	25	M6 x 1.0P	0.55
25.653.08.060	SBT30 x SLN8 - 60	108.4	60	18	-	35	33	8	28	M8 x 1.25P	0.60
25.653.10.060	SBT30 x SLN10 - 60	108.4	60	20	-	39	35	10	35	M10 x 1.5P	0.70
25.653.12.060	SBT30 x SLN12 - 60	108.4	60	22.5	-	44	36	12	42	M12 x 1.75P	0.75
25.653.16.075	SBT30 x SLN16 - 75	123.4	75	24	-	47	53	16	48	M14 x 2.0P	1.05
25.653.20.075	SBT30 x SLN20 - 75	123.4	75	25	-	49	41	20	52	M16 x 2.0P	1.10
25.653.25.090	SBT30 x SLN25 - 90	138.4	90	24	25	58	68	25	65	M18 x 2.0P	1.70
26.653.06.050	SBT40 x SLN6 - 50	115.4	50	18	-	35	20	6	25	M6 x 1.0P	1.10
26.653.06.150	SBT40 x SLN6 - 150	215.4	150	18	-	35	113	6	25	M6 x 1.0P	1.32
26.653.08.050	SBT40 x SLN8 - 50	115.4	50	18	-	35	20	8	28	M8 x 1.25P	1.10
26.653.08.150	SBT40 x SLN8 - 150	215.4	150	18	-	35	113	8	28	M8 x 1.25P	1.30
26.653.10.063	SBT40 x SLN10 - 63	128.4	63	20	-	39	33.5	10	35	M10 x 1.5P	1.25
26.653.10.150	SBT40 x SLN10 - 150	215.4	150	20	-	39	113	10	35	M10 x 1.5P	1.40
26.653.12.063	SBT40 x SLN12 - 63	128.4	63	22.5	-	44	33.5	12	42	M12 x 1.75P	1.30
26.653.12.150	SBT40 x SLN12 - 150	215.4	150	22.5	-	44	116	12	42	M12 x 1.75P	1.53
26.653.16.063	SBT40 x SLN16 - 63	128.4	63	24	-	47	33.5	16	48	M14 x 2.0P	1.40
26.653.16.150	SBT40 x SLN16 - 150	215.4	150	24	-	47	120	16	48	M14 x 2.0P	1.60
26.653.18.063	SBT40 x SLN18 - 63	128.4	63	24	-	44	33	18	50	M14 x 2.0P	1.65
26.653.20.063	SBT40 x SLN20 - 63	128.4	63	25	-	49	33	20	52	M16 x 2.0P	1.40
26.653.25.100	SBT40 x SLN25 - 100	165.4	100	24	25	58	73	25	65	M18 x 2.0P	2.50
26.653.32.100	SBT40 x SLN32 - 100	165.4	100	24	28	63	73	32	72	M20 x 2.0P	2.75

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • LOCK SCREW

Pull Stud

Lock Screw



P.W-60~61

P.W-90

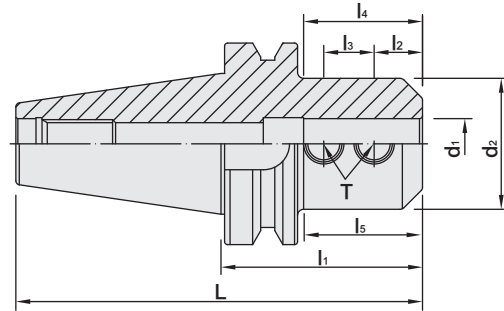


SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄

(DIN ISO 1835)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
27.653.06.063	SBT50 x SLN6 - 63	164.8	63	18	-	35	20	6	25	M6 x 1.0P	3.80
27.653.08.063	SBT50 x SLN8 - 63	164.8	63	18	-	39	20	8	28	M8 x 1.25P	3.80
27.653.10.063	SBT50 x SLN10 - 63	164.8	63	20	-	39	22	10	35	M10 x 1.5P	3.00
27.653.12.080	SBT50 x SLN12 - 80	181.8	80	22.5	-	44	39	12	42	M12 x 1.75P	4.00
27.653.16.080	SBT50 x SLN16 - 80	181.8	80	24	-	47	37	16	48	M14 x 2.0P	4.40
27.653.20.080	SBT50 x SLN20 - 80	181.8	80	25	-	49	37	20	52	M16 x 2.0P	4.40
27.653.25.100	SBT50 x SLN25 - 100	201.8	100	24	25	58	59	25	65	M18 x 2.0P	5.10
27.653.32.105	SBT50 x SLN32 - 105	206.8	105	24	28	63	64	32	72	M20 x 2.0P	5.20
27.653.40.115	SBT50 x SLN40 - 115	216.8	115	30	32	75	74	40	90	M20 x 2.0P	6.70
27.653.40.120	SBT50 x SLN40 - 120	221.8	120	30	32	75	79	40	90	M20 x 2.0P	6.70
27.653.42.120	SBT50 x SLN42 - 120	221.8	120	30	32	75	79	42	90	M20 x 2.0P	6.70
27.653.50.120	SBT50 x SLN50 - 120	221.8	120	35	35	78	82	50	98	M24 x 2.0P	6.80

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud	Lock Screw
	
P.W-60~61	P.W-90

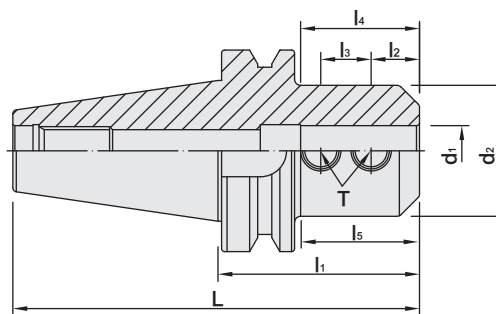


SBT / SLN SIDE LOCK END MILL HOLDER

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
25.653.52.236	SBT30 x SLN1/8" - 2.36"	4.265	2.36	0.37	-	0.787	1.299	0.125	0.69	#6-32	0.43
25.653.53.236	SBT30 x SLN3/16" - 2.36"	4.265	2.36	0.562	-	0.984	1.102	0.1875	0.69	#8-32	0.44
25.653.54.236	SBT30 x SLN1/4" - 2.36"	4.265	2.36	0.629	-	1.378	1.181	0.25	0.78	1/4"-28	0.45
25.653.55.236	SBT30 x SLN5/16" - 2.36"	4.265	2.36	0.6	-	1.378	1.181	0.3125	0.88	5/16"-24	0.47
25.653.56.236	SBT30 x SLN3/8" - 2.36"	4.265	2.36	0.781	-	1.535	1.299	0.375	1	3/8"-24	0.48
25.653.57.236	SBT30 x SLN7/16" - 2.36"	4.265	2.36	0.812	-	1.535	1.299	0.4375	1.13	7/16"-20	0.51
25.653.58.236	SBT30 x SLN1/2" - 2.36"	4.265	2.36	0.875	-	1.732	1.378	0.5	1.25	7/16"-20	0.54
25.653.61.236	SBT30 x SLN5/8" - 2.36"	4.265	2.36	0.937	-	1.85	1.417	0.625	1.5	1/2"-20	0.61
25.653.61.300	SBT30 x SLN5/8" - 3"	4.906	3	0.937	-	1.85	2.094	0.625	1.5	1/2"-20	0.73
25.653.64.236	SBT30 x SLN3/4" - 2.36"	4.265	2.36	1	-	1.929	1.494	0.75	1.75	5/8"-18	0.65
25.653.68.400	SBT30 x SLN1" - 4"	5.906	4	1.125	1	2.559	2.818	1	2	3/4"-16	1.15

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Pull Stud

Lock Screw



P.W-60~61

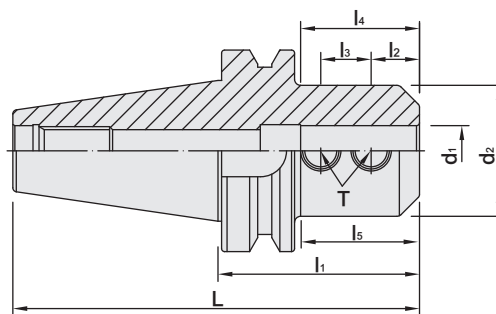
P.W-90



SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
26.653.52.250	SBT40 x SLN1/8" - 2.5"	5.075	2.5	0.37	-	0.787	1.24	0.125	0.69	#6-32	1.01
26.653.52.400	SBT40 x SLN1/8" - 4"	6.575	4	0.37	-	0.787	2.543	0.125	0.69	#6-32	1.06
26.653.53.250	SBT40 x SLN3/16" - 2.5"	5.075	2.5	0.562	-	0.984	1.24	0.1875	0.69	#8-32	1.01
26.653.53.400	SBT40 x SLN3/16" - 4"	6.575	4	0.562	-	0.984	2.543	0.1875	0.69	#8-32	1.02
26.653.54.250	SBT40 x SLN1/4" - 2.5"	5.075	2.5	0.63	-	1.378	1.122	0.25	0.78	1/4"-28	1.10
26.653.54.400	SBT40 x SLN1/4" - 4"	6.575	4	0.63	-	1.378	2.622	0.25	0.78	1/4"-28	1.04
26.653.55.250	SBT40 x SLN5/16" - 2.5"	5.075	2.5	0.6	-	1.378	1.043	0.3125	0.88	5/16"-24	1.12
26.653.56.250	SBT40 x SLN3/8" - 2.5"	5.075	2.5	0.75	-	1.535	1.24	0.375	1.25	3/8"-24	1.15
26.653.56.400	SBT40 x SLN3/8" - 4"	6.575	4	0.75	-	1.535	2.74	0.375	1	3/8"-24	1.07
26.653.57.250	SBT40 x SLN7/16" - 2.5"	5.075	2.5	0.812	-	1.535	1.24	0.4375	1.13	7/16"-20	1.10
26.653.58.250	SBT40 x SLN1/2" - 2.5"	5.075	2.5	0.875	-	1.732	1.319	0.5	1.25	7/16"-20	1.30
26.653.58.400	SBT40 x SLN1/2" - 4"	6.575	4	0.875	-	1.732	2.74	0.5	1.25	7/16"-20	1.18
26.653.61.250	SBT40 x SLN5/8" - 2.5"	5.075	2.5	0.94	-	1.85	1.319	0.625	1.5	1/2"-20	1.45
26.653.61.400	SBT40 x SLN5/8" - 4"	6.575	4	0.937	-	1.85	2.74	0.625	1.5	1/2"-20	1.23
26.653.64.250	SBT40 x SLN3/4" - 2.5"	5.075	2.5	1	-	1.929	1.319	0.75	1.75	5/8"-18	1.37
26.653.64.300	SBT40 x SLN3/4" - 3"	5.575	3	1	-	1.929	1.819	0.75	1.75	5/8"-18	1.65
26.653.64.400	SBT40 x SLN3/4" - 4"	6.575	4	1	-	1.929	2.819	0.75	1.75	5/8"-18	1.95
26.653.66.500	SBT40 x SLN7/8" - 5"	7.575	5	1.06	0.875	2.362	3.74	0.875	1.88	5/8"-18	1.59
26.653.68.356	SBT40 x SLN1" - 3.563"	6.137	3.563	1.046	1	2.559	2.421	1	2	3/4"-16	1.77
26.653.68.500	SBT40 x SLN1" - 5"	7.575	5	1.046	1	2.559	3.858	1	2	3/4"-16	1.93
26.653.72.356	SBT40 x SLN1-1/4" - 3.563"	6.137	3.563	1.125	1	2.559	2.539	1.25	2.5	3/4"-16	1.74
26.653.77.356	SBT40 x SLN1-1/2" - 3.563"	6.137	3.563	1.125	1	2.559	2.539	1.5	2.5	3/4"-16	3.62

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

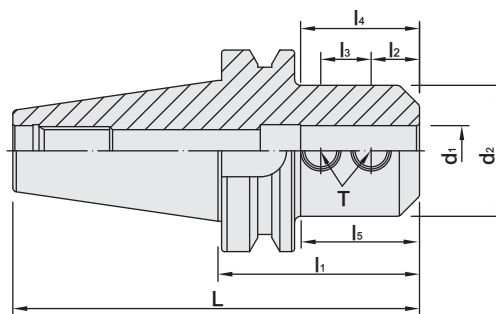
Pull Stud	Lock Screw
	
P.W-60~61	P.W-90



SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
27.653.54.300	SBT50 x SLN1/4" - 3"	7	3	0.63	-	1.378	1.11	0.25	0.78	1/4"-28	3.62
27.653.56.275	SBT50 x SLN3/8" - 2.75"	6.758	2.75	0.75	-	1.535	1.057	0.375	1	3/8"-24	3.61
27.653.58.300	SBT50 x SLN1/2" - 3"	7	3	0.875	-	1.732	1.386	0.5	1.25	7/16"-20	3.68
27.653.61.300	SBT50 x SLN5/8" - 3"	7	3	0.94	-	1.85	1.386	0.625	1.5	1/2"-20	3.77
27.653.64.300	SBT50 x SLN3/4" - 3"	7	3	1	-	1.929	1.386	0.75	1.75	5/8"-18	3.84
27.653.68.450	SBT50 x SLN1" - 4.5"	8.508	4.5	1.12	1	2.559	2.886	1	2	3/4"-16	4.27
27.653.68.600	SBT50 x SLN1" - 6"	10	6	1.125	1	2.559	4.11	1	2	3/4"-16	4.78
27.653.72.450	SBT50 x SLN1-1/4" - 4.5"	8.508	4.5	1.12	1	2.559	2.886	1.25	2.5	3/4"-16	4.65
27.653.77.400	SBT50 x SLN1-1/2" - 4"	8	4	1.12	1	2.559	2.504	1.5	2.5	3/4"-16	4.17

МАШСЕРВИС

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud

Lock Screw



P.W-60~61

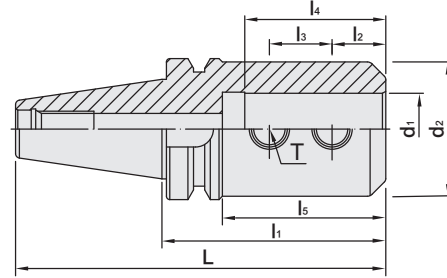
P.W-90

SBT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE



SBT / SLN 法蘭加厚型側固式立銑刀柄 [JIS 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
26.654.06.075	SBT40 x SLN6 - 75JIS	140.4	75	12	10	35	45	6	25	M6 x 1.0P	1.20
26.654.08.075	SBT40 x SLN8 - 75JIS	140.4	75	14	12	35	45	8	28	M8 x 1.25P	1.20
26.654.10.075	SBT40 x SLN10 - 75JIS	140.4	75	15	14	39	45	10	35	M10 x 1.5P	1.40
26.654.12.075	SBT40 x SLN12 - 75JIS	140.4	75	20	16	44	45	12	42	M10 x 1.5P	1.50
26.654.16.075	SBT40 x SLN16 - 75JIS	140.4	75	22	18	47	45	16	48	M10 x 1.5P	1.60
26.654.20.090	SBT40 x SLN20 - 90JIS	155.4	90	25	20	55	60	20	50	M12 x 1.75P	1.75
26.654.25.090	SBT40 x SLN25 - 90JIS	155.4	90	24	25	58	60	25	50	M12 x 1.75P	1.70
26.654.32.100	SBT40 x SLN32 - 100JIS	165.4	100	24	28	63	73	32	60	M16 x 2.0P	2.10
27.654.06.075	SBT50 x SLN6 - 75JIS	176.8	75	12	10	35	27	6	25	M6 x 1.0P	3.90
27.654.08.075	SBT50 x SLN8 - 75JIS	176.8	75	14	12	35	27	8	28	M8 x 1.25P	3.90
27.654.10.075	SBT50 x SLN10 - 75JIS	176.8	75	15	14	39	32	10	35	M10 x 1.5P	3.90
27.654.12.090	SBT50 x SLN12 - 90JIS	191.8	90	20	16	44	42	12	42	M10 x 1.5P	3.90
27.654.16.090	SBT50 x SLN16 - 90JIS	191.8	90	22	18	47	42	16	48	M10 x 1.5P	3.90
27.654.20.090	SBT50 x SLN20 - 90JIS	191.8	90	25	20	55	49	20	50	M12 x 1.75P	4.50
27.654.25.100	SBT50 x SLN25 - 100JIS	201.8	100	24	25	58	59	25	50	M12 x 1.75P	4.58
27.654.32.105	SBT50 x SLN32 - 105JIS	206.8	105	24	28	63	64	32	60	M16 x 2.0P	4.89



Features:

- ▶ Internal hole tolerance is H5.
- ▶ With two side-lock screws.
- ▶ For center coolant (DIN 69871-AD).

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud	Lock Screw
	
P.W-60~61	P.W-90



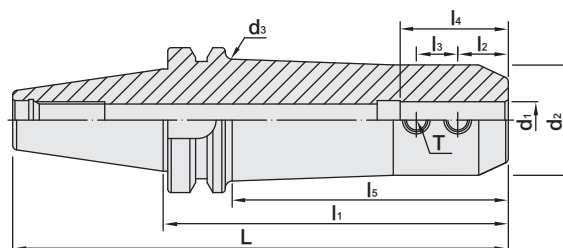
SBT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀柄 [JIS 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
26.654.06.150	SBT40 x SLN6 - 150JIS	215.4	150	12	10	35	113	6	25	30	M6 x 1.0P	1.50
26.654.08.150	SBT40 x SLN8 - 150JIS	215.4	150	14	12	35	113	8	28	33	M8 x 1.25P	1.50
26.654.10.150	SBT40 x SLN10 - 150JIS	215.4	150	15	14	39	118	10	35	40	M10 x 1.5P	1.50
26.654.12.150	SBT40 x SLN12 - 150JIS	215.4	150	20	16	44	118	12	42	47	M10 x 1.5P	1.70
26.654.16.150	SBT40 x SLN16 - 150JIS	215.4	150	22	18	47	120	16	48	53	M10 x 1.5P	1.70
26.654.20.150	SBT40 x SLN20 - 150JIS	215.4	150	25	20	55	120	20	52	57	M12 x 1.75P	1.80
27.654.12.165	SBT50 x SLN12 - 165JIS	266.8	165	20	16	44	124	12	42	47	M10 x 1.5P	5.00
27.654.16.165	SBT50 x SLN16 - 165JIS	266.8	165	22	18	47	117	16	48	53	M10 x 1.5P	5.00
27.654.20.165	SBT50 x SLN20 - 165JIS	266.8	165	25	20	55	117	20	50	57	M12 x 1.75P	6.00
27.654.20.210	SBT50 x SLN20 - 210JIS	311.8	210	25	20	55	162	20	50	57	M12 x 1.75P	7.00
27.654.25.165	SBT50 x SLN25 - 165JIS	266.8	165	24	25	58	117	25	50	57	M12 x 1.75P	5.50
27.654.25.210	SBT50 x SLN25 - 210JIS	311.8	210	24	25	58	162	25	50	57	M12 x 1.75P	6.00
27.654.25.250	SBT50 x SLN25 - 250JIS	351.8	250	24	25	58	202	25	50	57	M12 x 1.75P	7.00
27.654.32.165	SBT50 x SLN32 - 165JIS	266.8	165	24	28	63	117	32	60	65	M16 x 2.0P	6.22
27.654.32.210	SBT50 x SLN32 - 210JIS	311.8	210	24	28	63	162	32	60	65	M16 x 2.0P	6.34
27.654.32.250	SBT50 x SLN32 - 250JIS	351.8	250	24	28	63	202	32	60	65	M16 x 2.0P	7.50
27.654.32.300	SBT50 x SLN32 - 300JIS	401.8	300	24	28	63	252	32	60	65	M16 x 2.0P	8.00

Features:

- ▶ Internal hole tolerance is H5.
- ▶ With two side-lock screws.
- ▶ For center coolant (DIN 69871-AD).

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud

Lock Screw



P.W-60~61

P.W-90



SBT FACE MILL ARBOR

FMA TYPE



SBT / FMA 法蘭加厚型平面銑刀柄



Fig.1

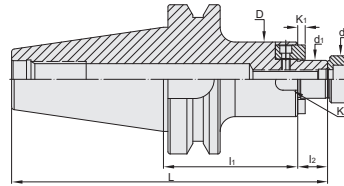
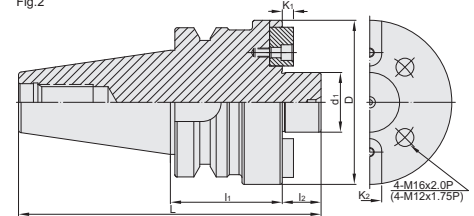


Fig.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
25.151.68.045	SBT30 x FMA25.4 - 45	113.4	45	20	50	25.4	31.5	4.52	9.52	1	1.10
25.151.68.060	SBT30 x FMA25.4 - 60	128.4	60	20	50	25.4	31.5	4.52	9.52	1	1.30
25.151.72.045	SBT30 x FMA31.75 - 45	115.4	45	22	60	31.75	41	6.7	12.7	1	1.16
26.151.68.045	SBT40 x FMA25.4 - 45	130.4	45	20	50	25.4	31.5	4.52	9.52	1	1.80
26.151.68.060	SBT40 x FMA25.4 - 60	145.4	60	20	50	25.4	31.5	4.52	9.52	1	1.45
26.151.68.090	SBT40 x FMA25.4 - 90	175.4	90	20	50	25.4	31.5	4.52	9.52	1	2.10
26.151.68.105	SBT40 x FMA25.4 - 105	190.4	105	20	50	25.4	31.5	4.52	9.52	1	2.70
26.151.68.150	SBT40 x FMA25.4 - 150	235.4	150	20	50	25.4	31.5	4.52	9.52	1	3.00
26.151.72.045	SBT40 x FMA31.75 - 45	132.4	45	22	60	31.75	41	6.7	12.7	1	1.70
26.151.72.075	SBT40 x FMA31.75 - 75	162.4	75	22	60	31.75	41	6.7	12.7	1	2.70
26.151.72.090	SBT40 x FMA31.75 - 90	177.4	90	22	60	31.75	41	6.7	12.7	1	2.65
26.151.77.060	SBT40 x FMA38.1 - 60	150.4	60	25	75	38.1	44.5	8.87	15.87	1	2.25
26.151.77.150	SBT40 x FMA38.1 - 150	240.4	150	25	75	38.1	44.5	8.87	15.87	1	2.85
26.151.86.060	SBT40 x FMA50.8 - 60	161.4	60	36	98	50.8	65	9.75	19.05	1	2.25
27.151.68.045	SBT50 x FMA25.4 - 45	166.8	45	20	50	25.4	31.5	4.52	9.52	1	4.40
27.151.68.090	SBT50 x FMA25.4 - 90	211.8	90	20	50	25.4	31.5	4.52	9.52	1	5.10
27.151.68.150	SBT50 x FMA25.4 - 150	271.8	150	20	50	25.4	31.5	4.52	9.52	1	6.10
27.151.72.045	SBT50 x FMA31.75 - 45	168.8	45	22	60	31.75	41	6.2	12.7	1	4.50
27.151.72.075	SBT50 x FMA31.75 - 75	198.8	75	22	60	31.75	41	6.7	12.7	1	5.70
27.151.72.105	SBT50 x FMA31.75 - 105	228.8	105	22	60	31.75	41	6.7	12.7	1	5.70
27.151.77.045	SBT50 x FMA38.1 - 45	171.8	45	25	80	38.1	44.5	8.87	15.87	1	5.20
27.151.77.075	SBT50 x FMA38.1 - 75	201.8	75	25	80	38.1	44.5	8.87	15.87	1	6.00
27.151.86.045	SBT50 x FMA50.8 - 45	182.8	45	36	98	50.8	65	9.75	19.05	1	5.70
27.151.86.075	SBT50 x FMA50.8 - 75	212.8	75	36	98	50.8	65	9.75	19.05	1	6.80
27.151.84.075	SBT50 x FMA47.62 - 75	208.8	75	32	128.75	47.62	-	12.5	25.4	2	7.90

Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	Screw
P.W-60~61	P.W-90

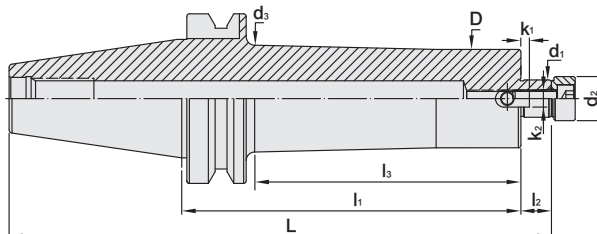


SBT FACE MILL ARBOR

EXTENSION TYPE

Dual
DRIVE+

SBT / FMA 法蘭加厚型平面銑刀柄 [加長斜度柄]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
27.152.68.125	SBT50 x FMA25.4 - 125BG	246.8	125	20	79	48	25.4	31.5	60	4.25	9.52	5.30
27.152.68.150	SBT50 x FMA25.4 - 150BG	271.8	150	20	102	48	25.4	31.5	60	4.25	9.52	6.40
27.152.68.200	SBT50 x FMA25.4 - 200BG	321.8	200	20	152	58	25.4	31.5	63	4.25	9.52	7.50
27.152.68.250	SBT50 x FMA25.4 - 250BG	371.8	250	20	202	58	25.4	31.5	63	4.25	9.52	8.60
27.152.68.300	SBT50 x FMA25.4 - 300BG	421.8	300	20	252	58	25.4	31.5	63	4.25	9.52	9.70
27.152.68.350	SBT50 x FMA25.4 - 350BG	471.8	350	20	302	58	25.4	31.5	66	4.25	9.52	10.8
27.152.68.400	SBT50 x FMA25.4 - 400BG	521.8	400	20	352	58	25.4	31.5	66	4.25	9.52	11.9
27.152.72.125	SBT50 x FMA31.75 - 125BG	248.8	125	22	82	70	31.75	41	75	6.7	12.7	5.60
27.152.72.150	SBT50 x FMA31.75 - 150BG	273.8	150	22	107	70	31.75	41	75	6.7	12.7	6.30
27.152.72.175	SBT50 x FMA31.75 - 175BG	298.8	175	22	132	70	31.75	41	75	6.7	12.7	8.30
27.152.72.200	SBT50 x FMA31.75 - 200BG	323.8	200	22	157	70	31.75	41	75	6.7	12.7	9.10
27.152.72.250	SBT50 x FMA31.75 - 250BG	373.8	250	22	207	70	31.75	41	75	6.7	12.7	10.6
27.152.72.300	SBT50 x FMA31.75 - 300BG	423.8	300	22	252	70	31.75	41	75	6.7	12.7	12.1
27.152.72.350	SBT50 x FMA31.75 - 350BG	473.8	350	22	302	70	31.75	41	75	6.7	12.7	13.6

Features:

- ▶ d₁ tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Screw



P.W-60~61

P.W-90

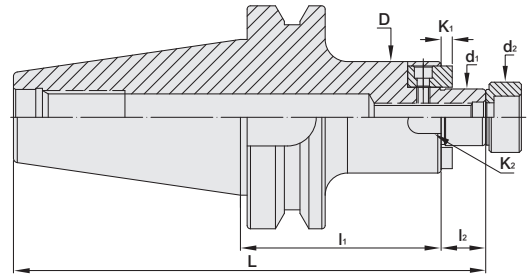


SBT FACE MILL ARBOR

FMB TYPE

Dual
DRIVE+

SBT / FMB 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
25.153.22.045	SBT30 x FMB22 - 45	112.4	45	19	48	22	26	4.8	10	0.85
25.153.22.060	SBT30 x FMB22 - 60	127.4	60	19	48	22	26	4.8	10	1.02
25.153.27.045	SBT30 x FMB27 - 45	113.4	45	20	60	27	31.5	5.8	12	1.06
25.153.27.060	SBT30 x FMB27 - 60	128.4	60	20	60	27	31.5	5.8	12	1.35
25.153.32.045	SBT30 x FMB32 - 45	115.4	45	22	78	32	41	6.8	14	1.35
26.153.22.045	SBT40 x FMB22 - 45	129.4	45	19	48	22	26	4.8	10	1.45
26.153.22.060	SBT40 x FMB22 - 60	144.4	60	19	48	22	26	4.8	10	1.54
26.153.22.100	SBT40 x FMB22 - 100	184.4	100	19	48	22	26	4.8	10	2.10
26.153.27.045	SBT40 x FMB27 - 45	130.4	45	20	60	27	31.5	5.8	12	1.60
26.153.27.060	SBT40 x FMB27 - 60	145.4	60	20	60	27	31.5	5.8	12	2.00
26.153.27.090	SBT40 x FMB27 - 90	175.4	90	20	60	27	31.5	5.8	12	2.30
26.153.27.105	SBT40 x FMB27 - 105	190.4	105	20	60	27	31.5	5.8	12	2.10
26.153.32.045	SBT40 x FMB32 - 45	132.4	45	22	78	32	41	6.8	14	2.00
26.153.32.060	SBT40 x FMB32 - 60	147.4	60	22	78	32	41	6.8	14	2.35
26.153.40.060	SBT40 x FMB40 - 60	150.4	60	25	80	40	48	8.3	16	2.80
26.153.40.075	SBT40 x FMB40 - 75	165.4	75	25	80	40	48	8.3	16	2.97
26.153.40.105	SBT40 x FMB40 - 105	195.4	105	25	80	40	48	8.3	16	3.27

Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud

Screw



P.W-60~61

P.W-90

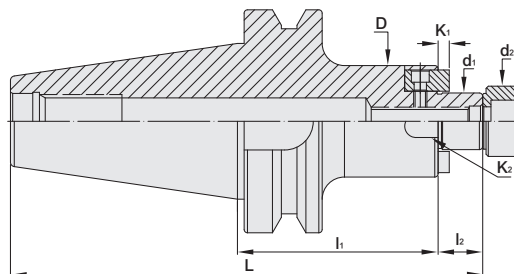


SBT FACE MILL ARBOR

FMB TYPE

Dual
DRIVE+

SBT / FMB 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
27.153.22.045	SBT50 x FMB22 - 45	165.8	45	19	48	22	26	4.8	10	4.75
27.153.22.090	SBT50 x FMB22 - 90	210.8	90	19	48	22	26	4.8	10	5.10
27.153.22.150	SBT50 x FMB22 - 150	270.8	150	19	48	22	26	4.8	10	6.80
27.153.27.050	SBT50 x FMB27 - 50	171.8	50	20	60	27	31.5	5.8	12	4.30
27.153.27.090	SBT50 x FMB27 - 90	211.8	90	20	60	27	31.5	5.8	12	5.40
27.153.27.150	SBT50 x FMB27 - 150	271.8	150	20	60	27	31.5	5.8	12	6.50
27.153.27.200	SBT50 x FMB27 - 200	321.8	200	20	60	27	31.5	5.8	12	7.50
27.153.27.250	SBT50 x FMB27 - 250	371.8	250	20	60	27	31.5	5.8	12	8.50
27.153.32.050	SBT50 x FMB32 - 50	173.8	50	22	78	32	41	6.8	14	4.60
27.153.32.090	SBT50 x FMB32 - 90	213.8	90	22	78	32	41	6.8	14	5.80
27.153.40.050	SBT50 x FMB40 - 50	176.8	50	25	89	40	48	8.3	16	5.20
27.153.40.090	SBT50 x FMB40 - 90	216.8	90	25	89	40	48	8.3	16	6.00
27.153.40.105	SBT50 x FMB40 - 105	231.8	105	25	89	40	48	8.3	16	7.20
27.153.40.150	SBT50 x FMB40 - 150	276.8	150	25	89	40	48	8.3	16	7.90

Features:

- ▶ d₁ tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Screw



P.W-60~61

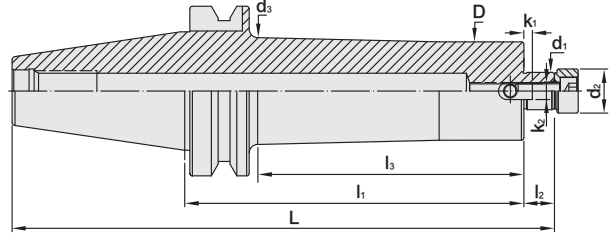
P.W-90

SBT FACE MILL ARBOR

EXTENSION TYPE



SBT / FMB 法蘭加厚型平面銑刀柄 [加長斜度柄]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
26.154.22.150	SBT40 x FMB22 - 150BG	234.4	150	19	118	48	22	26	51	4.8	10	3.10
26.154.22.200	SBT40 x FMB22 - 200BG	284.4	200	19	168	48	22	26	51	4.8	10	4.00
26.154.22.250	SBT40 x FMB22 - 250BG	334.4	250	19	218	48	22	26	51	4.8	10	4.90
27.154.22.150	SBT50 x FMB22 - 150BG	270.8	150	19	107	58	22	26	62.5	4.8	10	6.80
27.154.22.200	SBT50 x FMB22 - 200BG	320.8	200	19	157	58	22	26	62.5	4.8	10	8.40
27.154.22.250	SBT50 x FMB22 - 250BG	370.8	250	19	207	58	22	26	62.5	4.8	10	9.40
27.154.22.300	SBT50 x FMB22 - 300BG	420.8	300	19	257	58	22	26	62.5	4.8	10	10.4
27.154.22.350	SBT50 x FMB22 - 350BG	470.8	350	19	307	58	22	26	62.5	4.8	10	11.4
27.154.22.400	SBT50 x FMB22 - 400BG	520.8	400	19	352	58	22	26	62.5	4.8	10	12.4
27.154.22.450	SBT50 x FMB22 - 450BG	570.8	450	19	402	58	22	26	62.5	4.8	10	13.4
27.154.22.500	SBT50 x FMB22 - 500BG	620.8	500	19	452	58	22	26	62.5	4.8	10	14.4
27.154.27.150	SBT50 x FMB27 - 150BG	271.8	150	20	107	70	27	31.5	78	5.8	12	6.80
27.154.27.200	SBT50 x FMB27 - 200BG	321.8	200	20	154	70	27	31.5	78	5.8	12	8.40
27.154.27.250	SBT50 x FMB27 - 250BG	371.8	250	20	204	70	27	31.5	78	5.8	12	9.40
27.154.27.300	SBT50 x FMB27 - 300BG	421.8	300	20	254	70	27	31.5	78	5.8	12	10.4
27.154.27.350	SBT50 x FMB27 - 350BG	471.8	350	20	307	70	27	31.5	78	5.8	12	11.4
27.154.27.400	SBT50 x FMB27 - 400BG	521.8	400	20	352	70	27	31.5	78	5.8	12	12.4
27.154.27.450	SBT50 x FMB27 - 450BG	571.8	450	20	402	70	27	31.5	78	5.8	12	13.4
27.154.27.500	SBT50 x FMB27 - 500BG	621.8	500	20	452	70	27	31.5	78	5.8	12	14.4
27.154.32.150	SBT50 x FMB32 - 150BG	273.8	150	22	107	78	32	41	85	6.8	14	7.00
27.154.32.200	SBT50 x FMB32 - 200BG	323.8	200	22	157	78	32	41	85	6.8	14	8.50
27.154.32.250	SBT50 x FMB32 - 250BG	373.8	250	22	207	78	32	41	85	6.8	14	9.50
27.154.32.300	SBT50 x FMB32 - 300BG	423.8	300	22	257	78	32	41	85	6.8	14	10.5
27.154.32.350	SBT50 x FMB32 - 350BG	473.8	350	22	307	78	32	41	85	6.8	14	11.5
27.154.32.400	SBT50 x FMB32 - 400BG	523.8	400	22	357	78	32	41	85	6.8	14	12.5
27.154.32.450	SBT50 x FMB32 - 450BG	573.8	450	22	407	78	32	41	85	6.8	14	13.5
27.154.32.500	SBT50 x FMB32 - 500BG	623.8	500	22	460	80	32	41	85	6.8	14	14.5

Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Screw
P.W-60~61	P.W-90

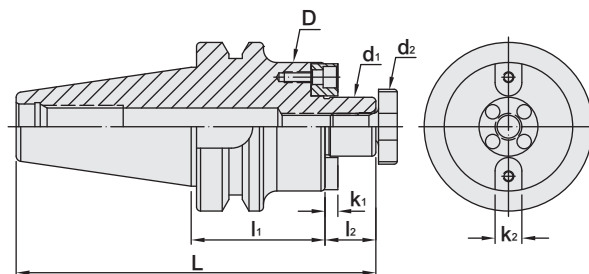


SBT FACE MILL ARBOR

FMC TYPE

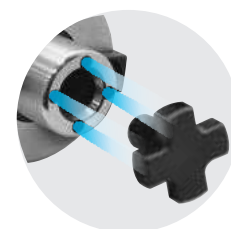
Dual
DRIVE+

SBT / FMC 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
25.157.16.035	SBT30 x FMC16 - 35	100.4	35	17	40	16	20	5	8	0.72
25.157.22.040	SBT30 x FMC22 - 40	107.4	40	19	45	22	28	4.8	10	0.80
25.157.27.040	SBT30 x FMC27 - 40	109.4	40	21	60	27	35	5.8	12	1.06
26.157.16.045	SBT40 x FMC16 - 45	127.4	45	17	38	16	20	5	8	1.20
26.157.22.045	SBT40 x FMC22 - 45	129.4	45	19	50	22	28	4.8	10	1.34
26.157.27.045	SBT40 x FMC27 - 45	131.4	45	21	60	27	35	5.8	12	1.56
26.157.32.050	SBT40 x FMC32 - 50	139.4	50	24	78	32	42	6.8	14	1.96
27.157.16.050	SBT50 x FMC16 - 50	168.8	50	17	40	16	20	5	8	4.00
27.157.22.060	SBT50 x FMC22 - 60	180.8	60	19	50	22	28	4.8	10	4.10
27.157.27.060	SBT50 x FMC27 - 60	182.8	60	21	60	27	35	5.8	12	4.30
27.157.32.060	SBT50 x FMC32 - 60	185.8	60	24	78	32	42	6.8	14	4.60
27.157.40.070	SBT50 x FMC40 - 70	198.8	70	27	89	40	52	8.3	16	5.20

МАШСЕРВИС



Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SPANNER

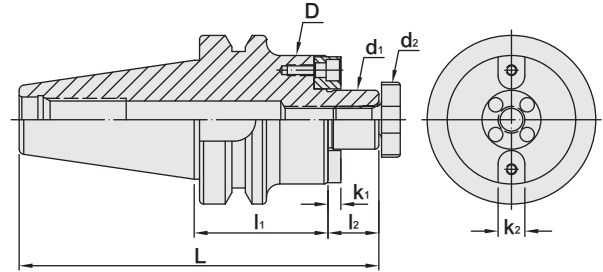
Nut	Pull Stud	Spanner
P.W-67	P.W-60~61	P.W-67

SBT FACE MILL ARBOR

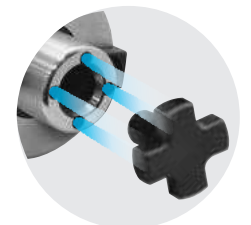
FMC TYPE



SBT / FMC 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
26.157.66.045	SBT40 x FMC22.225 - 45	127.4	45	17	47	22.225	28	3.5	8	1.50
26.157.66.060	SBT40 x FMC22.225 - 60	142.4	60	17	47	22.225	28	3.5	8	1.80
26.157.66.090	SBT40 x FMC22.225 - 90	172.4	90	17	47	22.225	28	3.5	8	2.50
26.157.68.060	SBT40 x FMC25.4 - 60	147.4	60	22	70	25.4	35	5	9.525	2.00
26.157.68.090	SBT40 x FMC25.4 - 90	177.4	90	22	70	25.4	35	5	9.525	2.70
26.157.68.105	SBT40 x FMC25.4 - 105	192.4	105	22	70	25.4	35	5	9.525	3.40
26.157.72.060	SBT40 x FMC31.75 - 60	155.4	60	30	76	31.75	42	7	12.7	2.50
26.157.72.090	SBT40 x FMC31.75 - 90	185.4	90	30	76	31.75	42	7	12.7	3.20
27.157.66.090	SBT50 x FMC22.225 - 90	208.8	90	17	47	22.225	28	3.5	8	4.40
27.157.66.105	SBT50 x FMC22.225 - 105	223.8	105	17	47	22.225	28	3.5	8	4.70
27.157.66.150	SBT50 x FMC22.225 - 150	268.8	150	17	47	22.225	28	3.5	8	5.30
27.157.66.200	SBT50 x FMC22.225 - 200	318.8	200	17	47	22.225	28	3.5	8	6.00
27.157.66.250	SBT50 x FMC22.225 - 250	368.8	250	17	47	22.225	28	3.5	8	6.60
27.157.66.300	SBT50 x FMC22.225 - 300	418.8	300	17	47	22.225	28	3.5	8	7.70
27.157.66.350	SBT50 x FMC22.225 - 350	468.8	350	17	47	22.225	28	3.5	8	8.90
27.157.68.045	SBT50 x FMC25.4 - 45	168.8	45	22	70	25.4	35	5	9.525	4.00
27.157.68.060	SBT50 x FMC25.4 - 60	183.8	60	22	70	25.4	35	5	9.525	4.50
27.157.68.090	SBT50 x FMC25.4 - 90	213.8	90	22	70	25.4	35	5	9.525	5.40
27.157.68.150	SBT50 x FMC25.4 - 150	273.8	150	22	70	25.4	35	5	9.525	7.20
27.157.68.200	SBT50 x FMC25.4 - 200	323.8	200	22	70	25.4	35	5	9.525	8.70
27.157.68.250	SBT50 x FMC25.4 - 250	373.8	250	22	70	25.4	35	5	9.525	10.3
27.157.68.300	SBT50 x FMC25.4 - 300	423.8	300	22	70	25.4	35	5	9.525	11.8



Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SPANNER

Nut	Pull Stud	Spanner
P.W-67	P.W-60~61	P.W-67

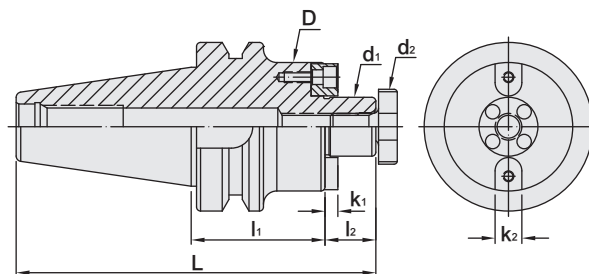


SBT FACE MILL ARBOR

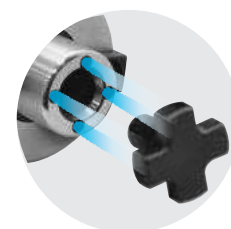
FMC TYPE

Dual
DRIVE+

SBT / FMC 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
27.157.72.045	SBT50 x FMC31.75 - 45	176.8	45	30	76	31.75	42	7	12.7	4.10
27.157.72.075	SBT50 x FMC31.75 - 75	206.8	75	30	76	31.75	42	7	12.7	5.20
27.157.72.105	SBT50 x FMC31.75 - 105	236.8	105	30	76	31.75	42	7	12.7	6.30
27.157.72.150	SBT50 x FMC31.75 - 150	281.8	150	30	76	31.75	42	7	12.7	7.90
27.157.72.200	SBT50 x FMC31.75 - 200	331.8	200	30	76	31.75	42	7	12.7	9.70
27.157.72.250	SBT50 x FMC31.75 - 250	381.8	250	30	76	31.75	42	7	12.7	11.6
27.157.72.300	SBT50 x FMC31.75 - 300	431.8	300	30	76	31.75	42	7	12.7	13.4
27.157.77.045	SBT50 x FMC38.1 - 45	180.8	45	34	100	38.1	52	9	15.9	4.40
27.157.77.075	SBT50 x FMC38.1 - 75	210.8	75	34	100	38.1	52	9	15.9	6.30
27.157.77.105	SBT50 x FMC38.1 - 105	240.8	105	34	100	38.1	52	9	15.9	8.10
27.157.77.150	SBT50 x FMC38.1 - 150	285.8	150	34	100	38.1	52	9	15.9	10.9
27.157.77.200	SBT50 x FMC38.1 - 200	335.8	200	34	100	38.1	52	9	15.9	14.5
27.157.77.250	SBT50 x FMC38.1 - 250	385.8	250	34	100	38.1	52	9	15.9	17.5
27.157.77.300	SBT50 x FMC38.1 - 300	435.8	300	34	100	38.1	52	9	15.9	19.2

**Features:**

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

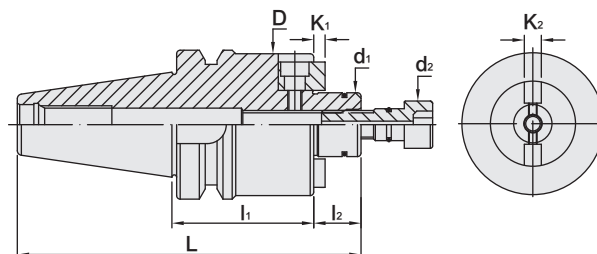
Standard Accessory: • NUT • SPANNER

Nut	Pull Stud	Spanner
		
P.W-67	P.W-60~61	P.W-67

SBT / SMA FACE MILL ARBOR

Dual
DRIVE+

SBT / SMA 法蘭加厚型平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
26.660.22.090	SBT40 x SMA22 - 90	174.4	90	19	48	22	18	4.8	10	1.90
26.660.22.105	SBT40 x SMA22 - 105	189.4	105	19	48	22	18	4.8	10	1.10
26.660.22.135	SBT40 x SMA22 - 135	219.4	135	19	48	22	18	4.8	10	2.20
26.660.27.090	SBT40 x SMA27 - 90	175.4	90	20	60	27	20	5.8	12	2.00
26.660.27.105	SBT40 x SMA27 - 105	190.4	105	20	60	27	20	5.8	12	2.10
26.660.27.135	SBT40 x SMA27 - 135	220.4	135	20	60	27	20	5.8	12	2.20
26.660.32.090	SBT40 x SMA32 - 90	177.4	90	22	80	32	22	6.8	14	2.40
26.660.32.105	SBT40 x SMA32 - 105	192.4	105	22	80	32	22	6.8	14	2.50
26.660.32.135	SBT40 x SMA32 - 135	222.4	135	22	80	32	22	6.8	14	2.60
27.660.22.090	SBT50 x SMA22 - 90	210.8	90	19	48	22	18	4.8	10	4.80
27.660.22.105	SBT50 x SMA22 - 105	225.8	105	19	48	22	18	4.8	10	5.00
27.660.22.135	SBT50 x SMA22 - 135	255.8	135	19	48	22	18	4.8	10	5.10
27.660.27.090	SBT50 x SMA27 - 90	211.8	90	20	60	27	20	5.8	12	5.40
27.660.27.105	SBT50 x SMA27 - 105	226.8	105	20	60	27	20	5.8	12	5.50
27.660.27.135	SBT50 x SMA27 - 135	256.8	135	20	60	27	20	5.8	12	5.60
27.660.32.090	SBT50 x SMA32 - 90	213.8	90	22	80	32	22	6.8	14	5.80
27.660.32.105	SBT50 x SMA32 - 105	228.8	105	22	80	32	22	6.8	14	5.90
27.660.32.135	SBT50 x SMA32 - 135	258.8	135	22	80	32	22	6.8	14	6.00

Features:

- ▶ d1 tolerance: h6.
- ▶ Suitable for SRM Shell Rough Fixation Mill.
- ▶ There is more than 80% contact area that can avoid vibration effectively.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



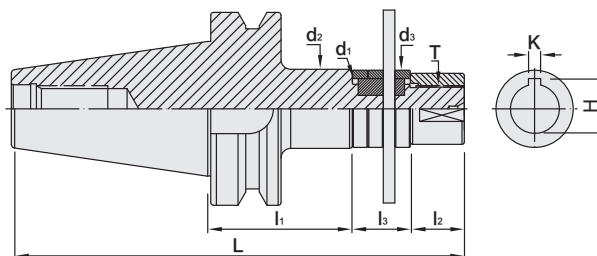
P.W-60~61



SBT SIDE CUTTER ADAPTER

Dual
DRIVE+

SBT / SCA 法蘭加厚型側銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
25.649.10.060	SBT30 x SCA10 - 60	155.4	60	12	35	10	18	18	-	-	M8 x 1.25P	0.80
25.649.16.060	SBT30 x SCA16 - 60	154.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.00
25.649.22.060	SBT30 x SCA22 - 60	160.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.20
25.649.22.075	SBT30 x SCA22 - 75	175.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.40
26.649.16.060	SBT40 x SCA16 - 60	171.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.50
26.649.22.060	SBT40 x SCA22 - 60	177.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.60
26.649.22.075	SBT40 x SCA22 - 75	192.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.70
26.649.22.120	SBT40 x SCA22 - 120	237.4	120	22	30	22	34	34	6	24.3	M20 x 1.5P	2.00
26.649.27.075	SBT40 x SCA27 - 75	198.4	75	28	30	27	41	40	7	30	M24 x 1.5P	2.10
26.649.27.120	SBT40 x SCA27 - 120	243.4	120	28	30	27	41	40	7	30	M24 x 1.5P	2.50
26.649.32.090	SBT40 x SCA32 - 90	217.4	90	32	30	32	47	46	8	35.5	M30 x 1.5P	2.60
27.649.22.090	SBT50 x SCA22 - 90	243.8	90	22	30	22	34	34	6	24.3	M20 x 1.5P	4.40
27.649.22.135	SBT50 x SCA22 - 135	288.8	135	22	30	22	34	34	6	24.3	M20 x 1.5P	4.70
27.649.27.090	SBT50 x SCA27 - 90	249.8	90	28	30	27	41	40	7	30	M24 x 1.5P	4.60
27.649.27.135	SBT50 x SCA27 - 135	294.8	135	28	30	27	41	40	7	30	M24 x 1.5P	5.00
27.649.32.090	SBT50 x SCA32 - 90	253.8	90	32	30	32	47	46	8	35.5	M30 x 1.5P	4.70
27.649.32.135	SBT50 x SCA32 - 135	298.8	135	32	30	32	47	46	8	35.5	M30 x 1.5P	5.20
27.649.40.090	SBT50 x SCA40 - 90	261.8	90	40	30	40	55	55	10	43.7	M36 x 2.0P	5.00
27.649.40.135	SBT50 x SCA40 - 135	306.8	135	40	30	40	55	55	10	43.7	M36 x 2.0P	6.00

Product information:

- ▶ Nut standard: DIN-2082-I.
- ▶ Bush standard: DIN-2084-B.

Pull Stud



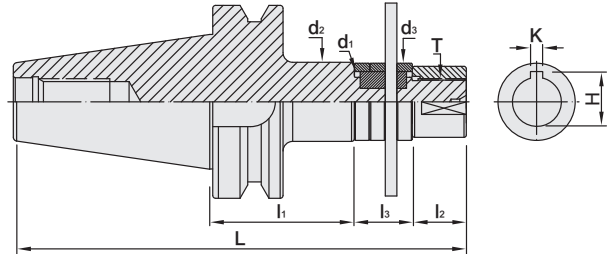
P.W-60~61



SBT SIDE CUTTER ADAPTER

Dual
DRIVE+

SBT / SCA 法蘭加厚型側銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
26.649.66.075	SBT40 x SCA22.22 - 75	192.4	75	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	1.70
26.649.66.120	SBT40 x SCA22.22 - 120	237.4	120	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	2.00
26.649.68.075	SBT40 x SCA25.4 - 75	198.4	75	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.00
26.649.68.120	SBT40 x SCA25.4 - 120	243.4	120	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.40
26.649.72.090	SBT40 x SCA31.75 - 90	217.4	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	2.60
27.649.66.090	SBT50 x SCA22.22 - 90	243.8	90	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.40
27.649.66.135	SBT50 x SCA22.22 - 135	288.8	135	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.70
27.649.68.090	SBT50 x SCA25.4 - 90	249.8	90	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.50
27.649.68.135	SBT50 x SCA25.4 - 135	294.8	135	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.90
27.649.72.090	SBT50 x SCA31.75 - 90	253.8	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	4.70
27.649.72.135	SBT50 x SCA31.75 - 135	298.8	135	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	5.20
27.649.77.090	SBT50 x SCA38.1 - 90	261.8	90	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	4.90
27.649.77.135	SBT50 x SCA38.1 - 135	306.8	135	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	5.90

МАШСЕРВИС

Product information:

- ▶ Nut standard: DIN-2082-I.
- ▶ Bush standard: DIN-2084-B.

Pull Stud



P.W-60~61



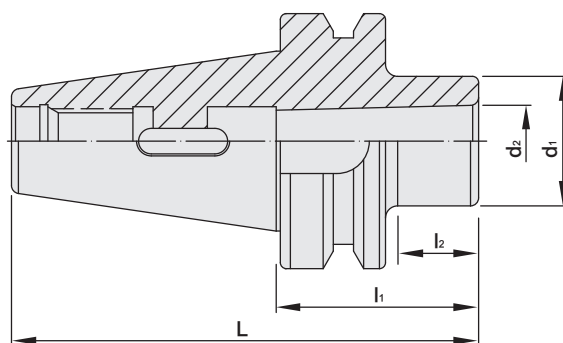
SBT MORSE TAPER ADAPTER

TANG TYPE

Dual
DRIVE+

SBT / MTA 法蘭加厚型斜柄鑽頭套筒

[DIN 228-B]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
25.465.01.045	SBT30 x MTA1 - 45	93.4	45	20	25	12.065	0.55
25.465.01.105	SBT30 x MTA1 - 105	153.4	105	78	25	12.065	0.80
25.465.02.060	SBT30 x MTA2 - 60	108.4	60	35	32	17.78	0.60
25.465.02.120	SBT30 x MTA2 - 120	168.4	120	95	32	17.78	0.90
25.465.03.080	SBT30 x MTA3 - 80	128.4	80	56	40	23.825	0.80
26.465.01.045	SBT40 x MTA1 - 45	110.4	45	15	25	12.065	1.05
26.465.01.120	SBT40 x MTA1 - 120	185.4	120	83	25	12.065	1.40
26.465.02.050	SBT40 x MTA2 - 50	115.4	50	20	32	17.78	1.10
26.465.02.120	SBT40 x MTA2 - 120	185.4	120	88	32	17.78	1.45
26.465.03.070	SBT40 x MTA3 - 70	135.4	70	38	40	23.825	1.20
26.465.03.135	SBT40 x MTA3 - 135	200.4	135	102	40	23.825	1.90
26.465.04.095	SBT40 x MTA4 - 95	160.4	95	63	48	31.267	1.40
26.465.04.165	SBT40 x MTA4 - 165	230.4	165	133	48	31.267	2.50
27.465.01.045	SBT50 x MTA1 - 45	146.8	45	2	25	12.065	3.80
27.465.01.120	SBT50 x MTA1 - 120	221.8	120	74	25	12.065	4.30
27.465.01.180	SBT50 x MTA1 - 180	281.8	180	132	25	12.065	5.00
27.465.02.060	SBT50 x MTA2 - 60	161.8	60	17	32	17.78	4.00
27.465.02.135	SBT50 x MTA2 - 135	236.8	135	89	32	17.78	4.70
27.465.02.180	SBT50 x MTA2 - 180	281.8	180	132	32	17.78	5.00
27.465.03.065	SBT50 x MTA3 - 65	166.8	65	22	40	23.825	3.90
27.465.03.150	SBT50 x MTA3 - 150	251.8	150	107	40	23.825	5.00
27.465.03.180	SBT50 x MTA3 - 180	281.8	180	132	40	23.825	5.50
27.465.04.095	SBT50 x MTA4 - 95	196.8	95	52	48	31.267	4.20
27.465.04.180	SBT50 x MTA4 - 180	281.8	180	132	48	31.267	5.50
27.465.05.105	SBT50 x MTA5 - 105	206.8	105	62	63	44.399	4.30

Features:

- ▶ High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.

Pull Stud

P.W-60~61



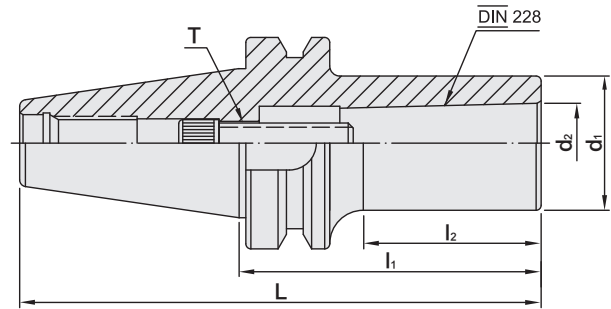
SBT MORSE TAPER ADAPTER

DRAW BAR TYPE



SBT / MTB 法蘭加厚型斜柄鑽頭套筒

(DIN 6364)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T		WEIGHT (KGS)
25.466.01.045	SBT30 x MTB1 - 45	93.4	45	20	25	12.065	M6 x 1.0P	1/4" - 20	0.55
25.466.02.060	SBT30 x MTB2 - 60	108.4	60	36.5	32	17.78	M10 x 1.5P	3/8" - 16	0.60
26.466.01.045	SBT40 x MTB1 - 45	110.4	45	13	25	12.065	M6 x 1.0P	1/4" - 20	1.10
26.466.02.045	SBT40 x MTB2 - 45	110.4	45	13	32	17.78	M10 x 1.5P	3/8" - 16	1.10
26.466.02.185	SBT40 x MTB2 - 185	250.4	185	148	32	17.78	M10 x 1.5P	3/8" - 16	1.86
26.466.03.075	SBT40 x MTB3 - 75	140.4	75	45	40	23.825	M12 x 1.75P	1/2" - 12	1.30
26.466.03.090	SBT40 x MTB3 - 90	155.4	90	53	40	23.825	M12 x 1.75P	1/2" - 12	1.40
26.466.03.120	SBT40 x MTB3 - 120	185.4	120	83	40	23.825	M12 x 1.75P	1/2" - 12	1.80
26.466.03.180	SBT40 x MTB3 - 180	245.4	180	143	40	23.825	M12 x 1.75P	1/2" - 12	2.40
26.466.04.100	SBT40 x MTB4 - 100	165.4	100	67	48	31.267	M16 x 2.0P	5/8" - 11	1.60
26.466.04.120	SBT40 x MTB4 - 120	185.4	120	87	48	31.267	M16 x 2.0P	5/8" - 11	1.80
26.466.04.180	SBT40 x MTB4 - 180	245.4	180	147	48	31.267	M16 x 2.0P	5/8" - 11	2.60
27.466.01.045	SBT50 x MTB1 - 45	146.8	45	6	25	12.065	M6 x 1.0P	1/4" - 20	3.80
27.466.02.045	SBT50 x MTB2 - 45	146.8	45	5	32	17.78	M10 x 1.5P	3/8" - 16	3.90
27.466.03.060	SBT50 x MTB3 - 60	161.8	60	12	40	23.825	M12 x 1.75P	1/2" - 12	3.90
27.466.04.075	SBT50 x MTB4 - 75	176.8	75	32	48	31.267	M16 x 2.0P	5/8" - 11	4.20
27.466.05.120	SBT50 x MTB5 - 120	221.8	120	77	63	44.399	M24 x 3.0P	1" - 8	4.30

Features:

- ▶ High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.
- ▶ Please confirm if you'd like to order thread in metric or inch size when making an order.

Pull Stud



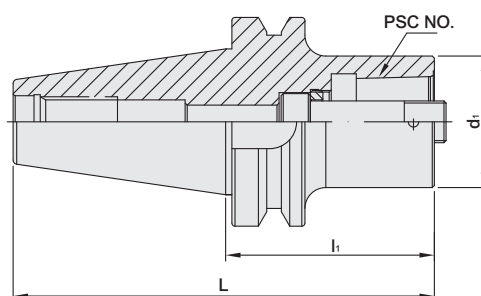
P.W-60~61



SBT ADAPTER

Dual
DRIVE+

SBT 法蘭加厚型套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
26.501.32.030	SBT40 x PSC32 - 30	PSC32	95.4	30	32	M12 x 1.5P	45	33	1.70
26.501.40.030	SBT40 x PSC40 - 30	PSC40	95.4	30	40	M14 x 1.5P	55	40	1.70
26.501.50.030	SBT40 x PSC50 - 30	PSC50	95.4	30	50	M16 x 1.5P	95	70	1.70
26.501.63.075	SBT40 x PSC63 - 75	PSC63	140.4	75	63	M20 x 2.0P	170	125	1.90
26.501.80.135	SBT40 x PSC80 - 135	PSC80	200.4	135	80	M20 x 2.0P	170	125	3.78
27.501.32.040	SBT50 x PSC32 - 40	PSC32	141.8	40	32	M12 x 1.5P	45	33	4.80
27.501.40.040	SBT50 x PSC40 - 40	PSC40	141.8	40	40	M14 x 1.5P	55	40	4.80
27.501.50.040	SBT50 x PSC50 - 40	PSC50	141.8	40	50	M16 x 1.5P	95	70	4.80
27.501.63.100	SBT50 x PSC63 - 100	PSC63	201.8	100	63	M20 x 2.0P	170	125	4.68
27.501.63.150	SBT50 x PSC63 - 150	PSC63	251.8	150	63	M20 x 2.0P	170	125	5.75
27.501.63.200	SBT50 x PSC63 - 200	PSC63	301.8	200	63	M20 x 2.0P	170	125	6.81
27.501.63.250	SBT50 x PSC63 - 250	PSC63	351.8	250	63	M20 x 2.0P	170	125	7.88
27.501.63.300	SBT50 x PSC63 - 300	PSC63	401.8	300	63	M20 x 2.0P	170	125	8.73
27.501.80.070	SBT50 x PSC80 - 70	PSC80	171.8	70	80	M20 x 2.0P	170	125	3.91
27.501.80.093	SBT50 x PSC80 - 93	PSC80	194.8	93	80	M20 x 2.0P	170	125	4.73
27.501.80.120	SBT50 x PSC80 - 120	PSC80	221.8	120	80	M20 x 2.0P	170	125	5.71
27.501.80.183	SBT50 x PSC80 - 183	PSC80	284.8	183	80	M20 x 2.0P	170	125	7.98
27.501.80.243	SBT50 x PSC80 - 243	PSC80	344.8	243	80	M20 x 2.0P	170	125	10.14

Pull Stud



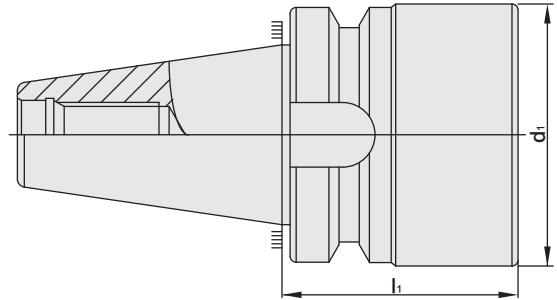
P.W-60~61



SBT BLANK

Dual
DRIVE+

SBT 法蘭加厚型素材



MODEL NO.	TYPE	l ₁	d ₁	WEIGHT (KGS)
25.001.48.300	SBT30 x ϕ 48 - 3"	76.2	48	1.12
25.001.48.400	SBT30 x ϕ 48 - 4"	101.6	48	1.48
25.001.48.500	SBT30 x ϕ 48 - 5"	127	48	1.83

МАШСЕРВИС

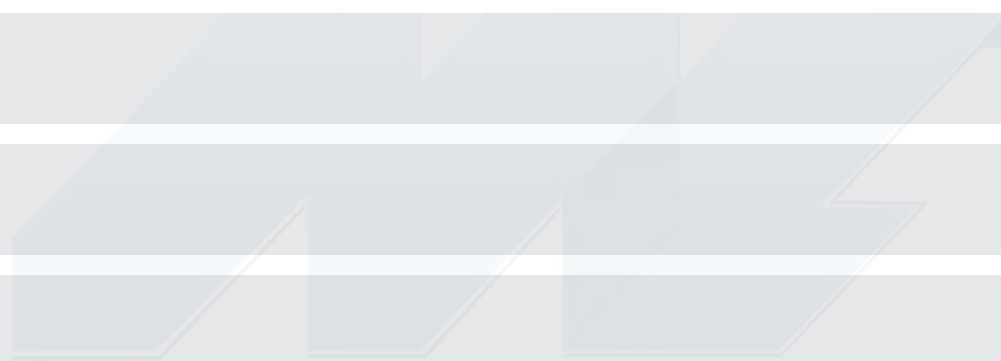
Pull Stud



P.W-60~61



MEMO



МАШСЕРВИС



SCAT

CATEGORY

PNER COLLET CHUCK	E-3
PTER COLLET CHUCK	E-4
UT COLLET CHUCK	E-5
ER COLLET CHUCK	E-6~7
ER COLLET CHUCK [M TYPE]	E-8
SKX COLLET CHUCK	E-9~10
SK3 COLLET CHUCK	E-11
SKS COLLET CHUCK	E-12
SBL SLIM-FIT COLLET CHUCK	E-13
SBLC SLIM-FIT COLLET CHUCK	E-14
EBL SLIM-FIT COLLET CHUCK	E-15
MLD MULTI-LOCK MILLING CHUCK	E-16
SLN SIDE LOCK END MILL HOLDER	E-17
FACE MILL ARBOR	E-18
MORSE TAPER ADAPTER	E-19
ADAPTER	E-20
BLANK	E-21

REFERENCE DETAILS

▶ Taper tolerance < **AT3**

▶ Hardness > **HRC 56°**

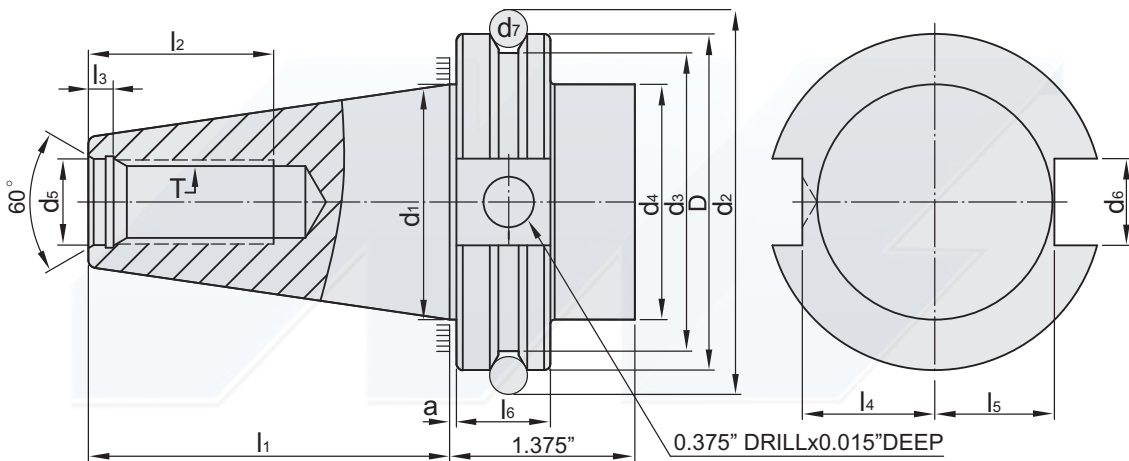
▶ Surface roughness: Ra < **0.25 μm**

▶ Roundness < **0.8 μm**

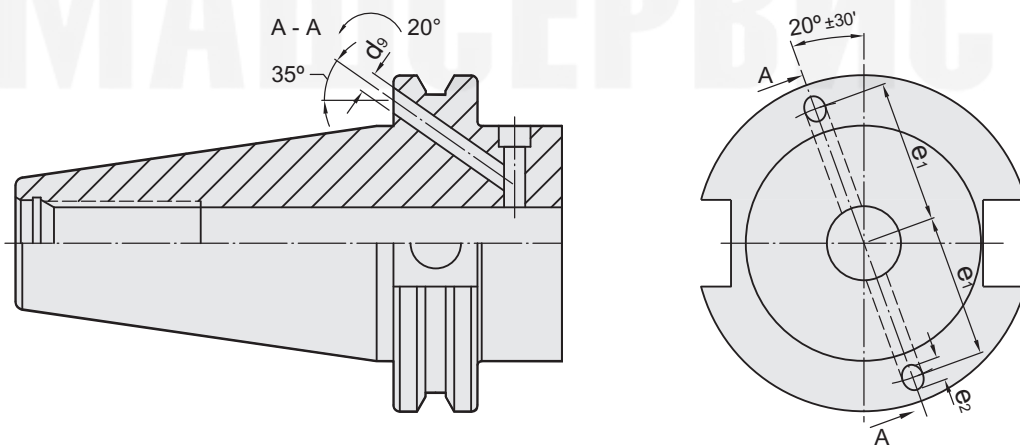
▶ Carbon depth > **0.8mm**

▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.

SCAT A



SCAT AD+B



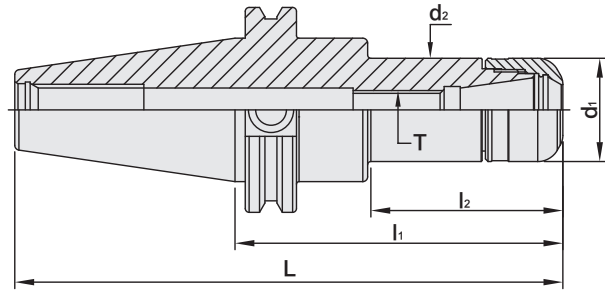
INCHES

SCAT	D ±0.002	d ₁	d ₂ ±0.002	d ₃ ±0.01	d ₄ ±0.005	d ₅ +0.015 0	d ₆ ±0.01	d ₇	d ₉	a 0 -0.005
40	2.500	1.750	2.863	2.219	1.750	0.641	0.645	0.2813	0.157	0.037
50	3.875	2.750	4.238	3.594	2.750	1.031	1.020	0.2813	0.236	0.057
SCAT	l ₁ ±0.005	l ₂ min	l ₃ ±0.01	l ₄ +0 -0.015	l ₅ +0 -0.015	l ₆	e ₁ ±0.1	e ₂ MAX	T UNC 2B	
40	2.687	1.12	0.188	0.985	0.890	0.713	1.063	0.199	5/8" - 11	
50	4.000	1.75	0.250	1.485	1.390	0.693	1.654	0.276	1" - 8	

SCAT / PNER COLLET CHUCK



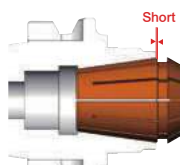
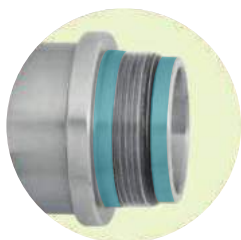
SCAT / PNER 法蘭加厚型立銑刀夾頭



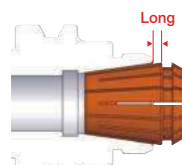
T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO.Nr.202015005621

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.273.16.250	SCAT40 x PNER16 - 2.5"	5.187	2.5	1.06	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.05
43.273.16.400	SCAT40 x PNER16 - 4"	6.687	4	2.43	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.35
43.273.16.500	SCAT40 x PNER16 - 5"	7.687	5	3.43	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	1.65
43.273.20.300	SCAT40 x PNER20 - 3"	5.687	3	1.5	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	1.25
43.273.20.400	SCAT40 x PNER20 - 4"	6.687	4	2.5	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	1.65
43.273.25.400	SCAT40 x PNER25 - 4"	6.687	4	2.54	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	1.85
43.273.32.300	SCAT40 x PNER32 - 3"	5.687	3	1.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.16
43.273.32.400	SCAT40 x PNER32 - 4"	6.687	4	2.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.50
43.273.32.500	SCAT40 x PNER32 - 5"	7.687	5	3.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	1.75
43.273.32.600	SCAT40 x PNER32 - 6"	8.687	6	4.51	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	2.15
43.273.40.400	SCAT40 x PNER40 - 4"	6.687	4	2.62	2.48	2.48	M20 x 2.0P	0.250 ~ 1	1.80
44.273.16.400	SCAT50 x PNER16 - 4"	8	4	2.03	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	4.05
44.273.16.600	SCAT50 x PNER16 - 6"	10	6	4.03	1.18	1.18	M10 x 1.5P	0.125 ~ 0.375	4.40
44.273.20.400	SCAT50 x PNER20 - 4"	8	4	2.14	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	4.20
44.273.20.600	SCAT50 x PNER20 - 6"	10	6	4.14	1.25	1.25	M12 x 1.75P	0.125 ~ 0.5	4.45
44.273.25.400	SCAT50 x PNER25 - 4"	8	4	2.38	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	4.15
44.273.25.600	SCAT50 x PNER25 - 6"	10	6	4.38	1.57	1.57	M16 x 2.0P	0.125 ~ 0.625	4.50
44.273.32.400	SCAT50 x PNER32 - 4"	8	4	2.42	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	4.35
44.273.32.600	SCAT50 x PNER32 - 6"	10	6	4.42	1.96	1.96	M16 x 2.0P	0.125 ~ 0.75	4.60
44.273.40.400	SCAT50 x PNER40 - 4"	8	4	2.48	2.48	2.48	M20 x 2.0P	0.250 ~ 1	5.26
44.273.40.600	SCAT50 x PNER40 - 6"	10	6	4.65	2.48	2.48	M20 x 2.0P	0.250 ~ 1	6.36



PNER



Standard ER

Features:

▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-62	P.W-88	P.W-68~73



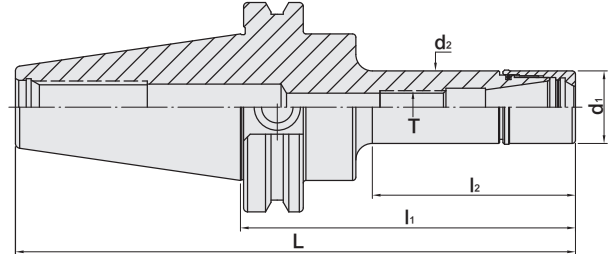
SCAT / PTER COLLET CHUCK



SCAT / PTER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.528.11.275	SCAT40 x PTER11 - 2.75"	5.437	2.75	1.606	0.629	0.629	M6 x 1.0P	0.125 ~ 0.25	1.00
43.528.11.400	SCAT40 x PTER11 - 4"	6.687	4	2.228	0.629	0.629	M6 x 1.0P	0.125 ~ 0.25	1.45
43.528.11.600	SCAT40 x PTER11 - 6"	8.687	6	4.228	0.629	0.629	M6 x 1.0P	0.125 ~ 0.25	1.12
43.528.11.850	SCAT40 x PTER11 - 8.5"	10.687	8.5	6.228	0.629	0.629	M6 x 1.0P	0.125 ~ 0.25	1.18
43.528.16.276	SCAT40 x PTER16 - 2.76"	5.443	2.76	1.612	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	1.02
43.528.16.400	SCAT40 x PTER16 - 4"	6.687	4	2.856	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	1.07
43.528.16.600	SCAT40 x PTER16 - 6"	8.687	6	4.228	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	1.16
43.528.16.800	SCAT40 x PTER16 - 8"	10.687	8	6.228	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	1.25
43.528.20.276	SCAT40 x PTER20 - 2.76"	5.443	2.76	1.612	1.102	1.102	M12 x 1.75P	0.125 ~ 0.5	1.03
44.528.11.600	SCAT50 x PTER11 - 6"	10	6	4.228	0.629	0.629	M6 x 1.0P	0.125 ~ 0.25	3.10
44.528.16.400	SCAT50 x PTER16 - 4"	8	4	2.228	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	3.12
44.528.16.600	SCAT50 x PTER16 - 6"	10	6	4.228	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	3.21
44.528.16.800	SCAT50 x PTER16 - 8"	12	8	6.228	0.866	0.866	M10 x 1.5P	0.125 ~ 0.375	3.30
44.528.20.400	SCAT50 x PTER20 - 4"	8	4	2.228	1.102	1.102	M12 x 1.75P	0.125 ~ 0.5	3.11
44.528.20.600	SCAT50 x PTER20 - 6"	10	6	4.228	1.102	1.102	M12 x 1.75P	0.125 ~ 0.5	3.21

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-47	P.W-62	P.W-88	P.W-68~73

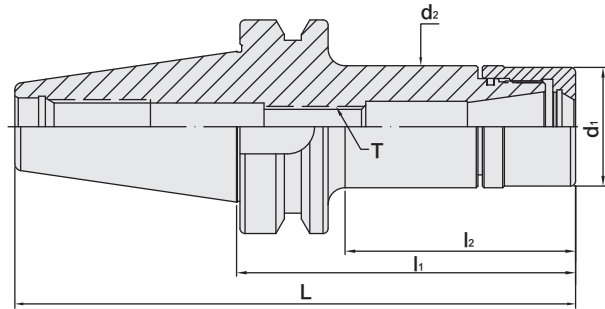
SCAT / UT COLLET CHUCK



SCAT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.753.16.300	SCAT40 x UT16 - 3"	5.687	3	1.583	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.16
43.753.16.400	SCAT40 x UT16 - 4"	6.687	4	2.175	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.29
43.753.16.600	SCAT40 x UT16 - 6"	8.687	6	4.175	1.181	1.181	M10 x 1.5P	0.0156 ~ 0.375	1.51
43.753.20.300	SCAT40 x UT20 - 3"	5.687	3	1.583	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.20
43.753.20.400	SCAT40 x UT20 - 4"	6.687	4	2.374	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.38
43.753.20.600	SCAT40 x UT20 - 6"	8.687	6	4.374	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	1.72
43.753.32.300	SCAT40 x UT32 - 3"	5.687	3	1.622	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	1.24
43.753.32.400	SCAT40 x UT32 - 4"	6.687	4	2.622	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	1.56
43.753.32.600	SCAT40 x UT32 - 6"	8.687	6	4.622	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	2.21
44.753.16.300	SCAT50 x UT16 - 3"	7	3	1.425	1.180	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.19
44.753.16.400	SCAT50 x UT16 - 4"	8	4	2.228	1.180	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.27
44.753.16.600	SCAT50 x UT16 - 6"	10	6	4.065	1.180	1.181	M10 x 1.5P	0.0156 ~ 0.375	3.59
44.753.20.300	SCAT50 x UT20 - 3"	7	3	1.504	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.25
44.753.20.400	SCAT50 x UT20 - 4"	8	4	2.425	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.39
44.753.20.600	SCAT50 x UT20 - 6"	10	6	4.228	1.378	1.417	M12 x 1.75P	0.0625 ~ 0.5	3.72
44.753.32.300	SCAT50 x UT32 - 3"	7	3	1.504	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	3.31
44.753.32.400	SCAT50 x UT32 - 4"	8	4	2.425	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	3.60
44.753.32.600	SCAT50 x UT32 - 6"	10	6	4.425	1.890	1.890	M16 x 2.0P	0.0625 ~ 0.625	4.18

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-62	P.W-88	P.W-68~73

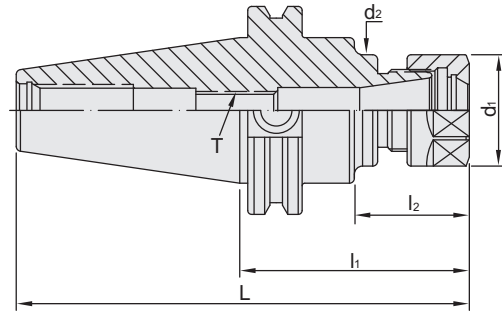


SCAT / ER COLLET CHUCK



SCAT / ER 法蘭加厚型立銑刀夾頭

(DIN 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.122.16.276	SCAT40 x ER16A - 2.76 "	5.442	2.76	1.28	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.50
43.122.16.400	SCAT40 x ER16A - 4 "	6.687	4	2.14	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.10
43.122.16.600	SCAT40 x ER16A - 6 "	8.687	6	4.14	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.55
43.122.16.800	SCAT40 x ER16A - 8 "	10.687	8	6.29	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.85
43.122.20.276	SCAT40 x ER20A - 2.76 "	5.442	2.76	1.28	1.339	1.3	M12 x 1.75P	0.0625 ~ 0.5	1.25
43.122.20.400	SCAT40 x ER20A - 4 "	6.687	4	2.37	1.339	1.3	M12 x 1.75P	0.0625 ~ 0.5	1.65
43.122.20.600	SCAT40 x ER20A - 6 "	8.687	6	4.33	1.339	1.3	M12 x 1.75P	0.0625 ~ 0.5	1.85
43.122.25.276	SCAT40 x ER25 - 2.76 "	5.447	2.76	1.38	1.654	1.75	M16 x 2.0P	0.0625 ~ 0.625	1.35
43.122.25.400	SCAT40 x ER25 - 4 "	6.687	4	2.57	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	1.70
43.122.25.600	SCAT40 x ER25 - 6 "	8.687	6	4.62	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	2.25
43.122.25.800	SCAT40 x ER25 - 8 "	10.687	8	6.62	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	2.55
43.122.32.276	SCAT40 x ER32 - 2.76 "	5.447	2.76	1.38	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.16
43.122.32.300	SCAT40 x ER32 - 3 "	5.687	3	1.62	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.50
43.122.32.400	SCAT40 x ER32 - 4 "	6.687	4	2.62	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	1.75
43.122.32.600	SCAT40 x ER32 - 6 "	8.687	6	5.21	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	2.15
43.122.32.800	SCAT40 x ER32 - 8 "	10.687	8	6.62	1.969	1.75	M16 x 2.0P	0.125 ~ 0.75	2.70
43.122.40.315	SCAT40 x ER40 - 3.15 "	5.837	3.15	1.72	2.48	1.75	M20 x 2.0P	0.125 ~ 1	1.25
43.122.40.400	SCAT40 x ER40 - 4 "	6.687	4	2.48	2.48	2.36	M20 x 2.0P	0.125 ~ 1	1.80
43.122.40.600	SCAT40 x ER40 - 6 "	8.687	6	4.48	2.48	2.36	M20 x 2.0P	0.125 ~ 1	3.00
43.122.50.400	SCAT40 x ER50 - 4 "	5.837	4	2.48	3.07	2.52	M24 x 2.0P	0.25 ~ 1.25	2.65

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

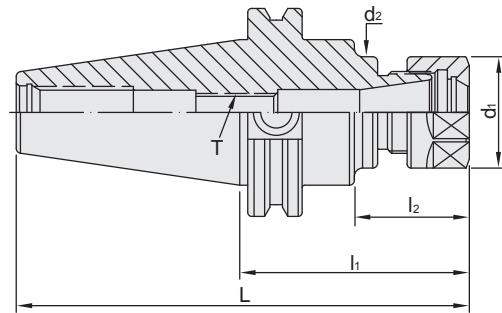
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-88	P.W-68~71

SCAT / ER COLLET CHUCK



SCAT / ER 法蘭加厚型立銑刀夾頭

(DIN 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
44.122.16.300	SCAT50 x ER16A - 3"	7	3	1.43	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.05
44.122.16.400	SCAT50 x ER16A - 4"	8	4	2.07	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.20
44.122.16.500	SCAT50 x ER16A - 5"	9	5	3.07	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.30
44.122.16.600	SCAT50 x ER16A - 6"	10	6	4.29	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.40
44.122.16.800	SCAT50 x ER16A - 8"	12	8	6.15	1.102	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.50
44.122.20.400	SCAT50 x ER20A - 4"	8	4	2.07	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.20
44.122.20.600	SCAT50 x ER20A - 6"	10	6	4.15	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.45
44.122.20.800	SCAT50 x ER20A - 8"	12	8	6.07	1.339	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.60
44.122.25.400	SCAT50 x ER25 - 4"	8	4	2.45	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.15
44.122.25.600	SCAT50 x ER25 - 6"	10	6	3.92	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.50
44.122.25.800	SCAT50 x ER25 - 8"	12	8	5.91	1.654	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.70
44.122.32.400	SCAT50 x ER32 - 4"	8	4	2.15	1.969	1.96	M16 x 2.0P	0.125 ~ 0.75	4.35
44.122.32.600	SCAT50 x ER32 - 6"	10	6	4.15	1.969	1.96	M16 x 2.0P	0.125 ~ 0.75	4.60
44.122.32.800	SCAT50 x ER32 - 8"	12	8	6.07	1.969	1.96	M16 x 2.0P	0.125 ~ 0.75	4.90
44.122.40.400	SCAT50 x ER40 - 4"	8	4	2.35	2.48	2.36	M20 x 2.0P	0.125 ~ 1	4.25
44.122.40.600	SCAT50 x ER40 - 6"	10	6	4.43	2.48	2.36	M20 x 2.0P	0.125 ~ 1	4.80
44.122.40.800	SCAT50 x ER40 - 8"	12	8	6.43	2.48	2.36	M20 x 2.0P	0.125 ~ 1	5.10
44.122.50.400	SCAT50 x ER50 - 4"	8	4	2.62	3.07	2.75	M24 x 2.0P	0.25 ~ 1.25	4.85
44.122.50.600	SCAT50 x ER50 - 6"	10	6	4.62	3.07	2.75	M24 x 2.0P	0.25 ~ 1.25	5.55

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-88	P.W-68~71



SCAT / ER COLLET CHUCK

M TYPE

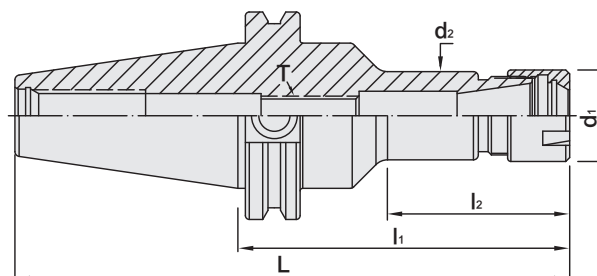


M 型 SCAT / ER 法蘭加厚型立銑刀夾頭

〔DIN 15488〕



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.123.11.275	SCAT40 x ER11M - 2.75"	5.437	2.75	1.175	0.63	0.59	M6 x 1.0P	0.0625 ~ 0.25	1.10
43.123.11.400	SCAT40 x ER11M - 4"	6.687	4	2.228	0.63	0.59	M6 x 1.0P	0.0625 ~ 0.25	1.20
43.123.16.276	SCAT40 x ER16M - 2.76"	5.447	2.76	1.322	0.87	0.83	M10 x 1.5P	0.0625 ~ 0.375	1.20
43.123.16.400	SCAT40 x ER16M - 4"	6.687	4	2.425	0.87	0.83	M10 x 1.5P	0.0625 ~ 0.375	1.30
43.123.20.276	SCAT40 x ER20M - 2.76"	5.447	2.76	1.323	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	1.20
43.123.20.400	SCAT40 x ER20M - 4"	6.687	4	2.197	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	1.50
44.123.16.400	SCAT50 x ER16M - 4"	8	4	1.927	0.87	0.83	M10 x 1.5P	0.0625 ~ 0.375	3.90
44.123.16.600	SCAT50 x ER16M - 6"	10	6	4.009	0.87	0.83	M10 x 1.5P	0.0625 ~ 0.375	4.00
44.123.20.400	SCAT50 x ER20M - 4"	8	4	2.127	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	4.20
44.123.20.600	SCAT50 x ER20M - 6"	10	6	4.127	1.102	1.06	M12 x 1.75P	0.0625 ~ 0.5	5.20

МАШСЕРВИС

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

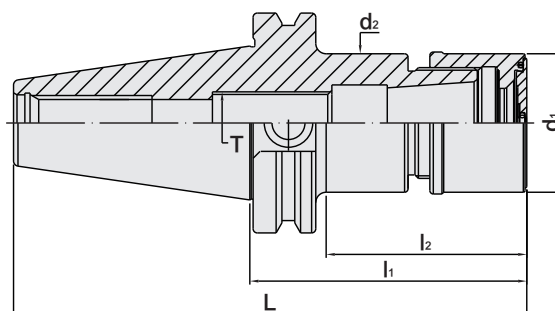
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-62	P.W-88	P.W-68~71

SCAT / SKX COLLET CHUCK



SCAT / SKX 法蘭加厚型立銑刀夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.790.06.350	SCAT40 x SKX6 - 3.5"	6.187	3.5	2	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	1.20
43.790.06.475	SCAT40 x SKX6 - 4.75"	7.437	4.75	2.89	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	1.50
43.790.06.600	SCAT40 x SKX6 - 6"	8.687	6	4.14	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	1.60
43.790.10.350	SCAT40 x SKX10 - 3.5"	6.187	3.5	2	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	1.30
43.790.10.475	SCAT40 x SKX10 - 4.75"	7.437	4.75	3.25	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	1.50
43.790.10.600	SCAT40 x SKX10 - 6"	8.687	6	4.5	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	1.70
43.790.10.709	SCAT40 x SKX10 - 7.09"	9.777	7.09	5.59	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	1.80
43.790.13.350	SCAT40 x SKX13 - 3.5"	6.187	3.5	2.004	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.05
43.790.13.400	SCAT40 x SKX13 - 4"	6.687	4	2.504	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.65
43.790.16.350	SCAT40 x SKX16 - 3.5"	6.187	3.5	2.03	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	1.60
43.790.16.475	SCAT40 x SKX16 - 4.75"	7.437	4.75	3.28	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	1.80
43.790.16.600	SCAT40 x SKX16 - 6"	8.687	6	4.53	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	2.00
43.790.16.709	SCAT40 x SKX16 - 7.09"	9.777	7.09	5.62	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	2.20
43.790.20.350	SCAT40 x SKX20 - 3.5"	6.187	3.5	1.71	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	1.70
43.790.20.475	SCAT40 x SKX20 - 4.75"	7.437	4.75	2.96	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	2.00
43.790.20.600	SCAT40 x SKX20 - 6"	8.687	6	4.21	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	2.20
43.790.25.350	SCAT40 x SKX25 - 3.5"	6.187	3.5	1.71	2.165	2.165	M28 x 2.0P	0.125 ~ 1	1.90
43.790.25.475	SCAT40 x SKX25 - 4.75"	7.437	4.75	2.96	2.165	2.165	M28 x 2.0P	0.125 ~ 1	2.10
43.790.25.600	SCAT40 x SKX25 - 6"	8.687	6	4.21	2.165	2.165	M28 x 2.0P	0.125 ~ 1	2.30

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

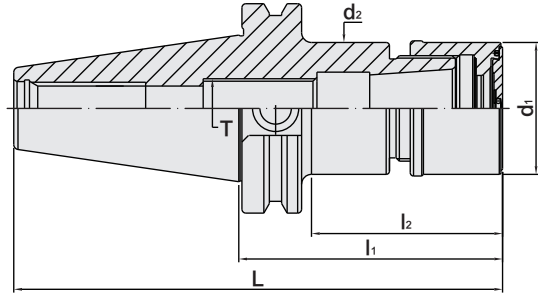
Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-62	P.W-88	P.W-68~73	P.W-72



SCAT / SKX COLLET CHUCK



SCAT / SKX 法蘭加厚型立銑刀夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
44.790.06.413	SCAT50 x SKX6 - 4.13"	8.13	4.13	2.27	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	3.90
44.790.06.650	SCAT50 x SKX6 - 6.5"	10.5	6.5	4.64	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	4.10
44.790.06.768	SCAT50 x SKX6 - 7.68"	11.68	7.68	5.82	0.709	0.709	M8 x 1.25P	0.125 ~ 0.25	4.50
44.790.10.413	SCAT50 x SKX10 - 4.13"	8.13	4.13	2.55	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.30
44.790.10.650	SCAT50 x SKX10 - 6.5"	10.5	6.5	4.92	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.70
44.790.10.768	SCAT50 x SKX10 - 7.68"	11.68	7.68	6.1	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.80
44.790.10.886	SCAT50 x SKX10 - 8.86"	12.86	8.86	7.28	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.90
44.790.13.400	SCAT50 x SKX13 - 4"	8	4	2.425	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	3.80
44.790.13.450	SCAT50 x SKX13 - 4.5"	8.5	4.5	2.925	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	4.00
44.790.16.413	SCAT50 x SKX16 - 4.13"	8.13	4.13	2.55	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.80
44.790.16.650	SCAT50 x SKX16 - 6.5"	10.5	6.5	4.92	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	5.20
44.790.16.886	SCAT50 x SKX16 - 8.86"	12.86	8.86	7.28	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	5.70
44.790.20.413	SCAT50 x SKX20 - 4.13"	8.13	4.13	2.55	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	4.40
44.790.20.650	SCAT50 x SKX20 - 6.5"	10.5	6.5	4.92	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	5.10
44.790.20.886	SCAT50 x SKX20 - 8.86"	12.86	8.86	7.28	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	5.70
44.790.25.413	SCAT50 x SKX25 - 4.13"	8.13	4.13	2.55	2.165	2.165	M28 x 2.0P	0.125 ~ 1	5.30
44.790.25.650	SCAT50 x SKX25 - 6.5"	10.5	6.5	4.92	2.165	2.165	M28 x 2.0P	0.125 ~ 1	6.00
44.790.25.886	SCAT50 x SKX25 - 8.86"	12.86	8.86	7.28	2.165	2.165	M28 x 2.0P	0.125 ~ 1	6.30

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

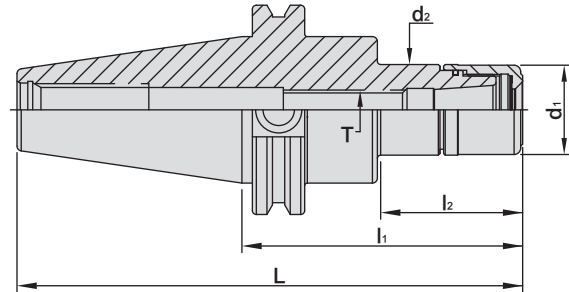
Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-62	P.W-88	P.W-68~73	P.W-72

SCAT / SK3 COLLET CHUCK



SCAT / SK3 高速機專用夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.763.06.350	SCAT40 x SK306 - 3.5"	6.187	3.5	1.438	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	1.05
43.763.06.400	SCAT40 x SK306 - 4"	6.687	4	1.938	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	1.65
43.763.10.350	SCAT40 x SK310 - 3.5"	6.187	3.5	1.627	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	1.05
43.763.10.400	SCAT40 x SK310 - 4"	6.687	4	2.127	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	1.65
43.763.13.350	SCAT40 x SK313 - 3.5"	6.187	3.5	2.004	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.05
43.763.13.400	SCAT40 x SK313 - 4"	6.687	4	2.504	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.65
43.763.16.350	SCAT40 x SK316 - 3.5"	6.187	3.5	2.034	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	1.35
43.763.16.400	SCAT40 x SK316 - 4"	6.687	4	2.534	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	2.10
44.763.06.350	SCAT50 x SK306 - 3.5"	7.5	3.5	1.728	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	3.60
44.763.06.400	SCAT50 x SK306 - 4"	8	4	2.228	0.768	0.768	M8 x 1.25P	0.0625 ~ 0.1875	4.00
44.763.10.400	SCAT50 x SK310 - 4"	8	4	2.228	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	3.80
44.763.10.450	SCAT50 x SK310 - 4.5"	8.5	4.5	2.115	1.083	1.083	M12 x 1.75P	0.125 ~ 0.375	4.00
44.763.13.400	SCAT50 x SK313 - 4"	8	4	2.425	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	3.80
44.763.13.450	SCAT50 x SK313 - 4.5"	8.5	4.5	2.925	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	4.00
44.763.16.400	SCAT50 x SK316 - 4"	8	4	1.871	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.00
44.763.16.450	SCAT50 x SK316 - 4.5"	8.5	4.5	2.371	1.575	1.575	M18 x 1.5P	0.1250 ~ 0.625	4.15

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

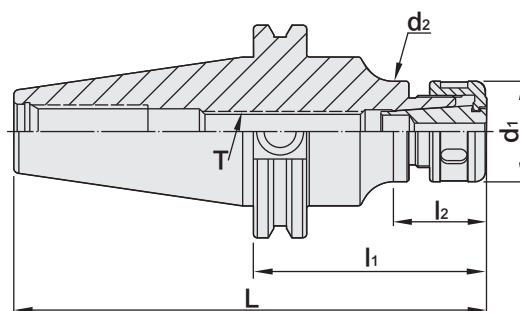
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-62	P.W-88	P.W-68~73



SCAT / SKS COLLET CHUCK

Dual
DRIVE+5 μ m

SCAT / SKS 法蘭加厚型高速機專用夾頭



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
43.658.06.350	SCAT40 x SKS6 - 3.5"	6.187	3.5	1.594	0.708	0.708	M8 x 1.25P	0.125 ~ 0.25	1.05
43.658.06.400	SCAT40 x SKS6 - 4"	6.687	4	2.094	0.708	0.708	M8 x 1.25P	0.125 ~ 0.25	1.65
43.658.10.350	SCAT40 x SKS10 - 3.5"	6.187	3.5	1.703	1.181	1.086	M12 x 1.75P	0.125 ~ 0.375	1.05
43.658.10.400	SCAT40 x SKS10 - 4"	6.687	4	2.203	1.181	1.086	M12 x 1.75P	0.125 ~ 0.375	1.65
43.658.13.350	SCAT40 x SKS13 - 3.5"	6.187	3.5	2.004	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.05
43.658.13.400	SCAT40 x SKS13 - 4"	6.687	4	2.504	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	1.65
43.658.16.350	SCAT40 x SKS16 - 3.5"	6.187	3.5	2.034	1.574	1.575	M18 x 1.5P	0.125 ~ 0.625	1.35
43.658.16.400	SCAT40 x SKS16 - 4"	6.687	4	2.534	1.574	1.575	M18 x 1.5P	0.125 ~ 0.625	2.10
43.658.20.350	SCAT40 x SKS20 - 3.5"	6.187	3.5	2.042	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	1.35
43.658.20.400	SCAT40 x SKS20 - 4"	6.687	4	2.542	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	2.20
43.658.25.350	SCAT40 x SKS25 - 3.5"	6.187	3.5	2.122	2.165	2.165	M28 x 2.0P	0.125 ~ 1	1.35
43.658.25.400	SCAT40 x SKS25 - 4"	6.687	4	2.622	2.165	2.165	M28 x 2.0P	0.125 ~ 1	2.20
44.658.06.350	SCAT50 x SKS6 - 3.5"	7.5	3.5	1.728	0.708	0.708	M8 x 1.25P	0.125 ~ 0.25	3.60
44.658.06.400	SCAT50 x SKS6 - 4"	8	4	2.228	0.708	0.708	M8 x 1.25P	0.125 ~ 0.25	4.00
44.658.10.400	SCAT50 x SKS10 - 4"	8	4	2.228	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	3.80
44.658.10.450	SCAT50 x SKS10 - 4.5"	8.5	4.5	2.408	1.181	1.181	M12 x 1.75P	0.125 ~ 0.375	4.00
44.658.13.400	SCAT50 x SKS13 - 4"	8	4	2.425	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	3.80
44.658.13.450	SCAT50 x SKS13 - 4.5"	8.5	4.5	2.925	1.299	1.299	M12 x 1.75P	0.125 ~ 0.5	4.00
44.658.16.400	SCAT50 x SKS16 - 4"	8	4	2.056	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.00
44.658.16.450	SCAT50 x SKS16 - 4.5"	8.5	4.5	2.556	1.575	1.575	M18 x 1.5P	0.125 ~ 0.625	4.15
44.658.20.400	SCAT50 x SKS20 - 4"	8	4	2.504	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	4.00
44.658.20.450	SCAT50 x SKS20 - 4.5"	8.5	4.5	3.004	1.909	1.909	M22 x 1.5P	0.125 ~ 0.75	4.15
44.658.25.400	SCAT50 x SKS25 - 4"	8	4	2.167	2.165	2.165	M28 x 2.0P	0.125 ~ 1	4.20
44.658.25.450	SCAT50 x SKS25 - 4.5"	8.5	4.5	2.667	2.165	2.165	M28 x 2.0P	0.125 ~ 1	4.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

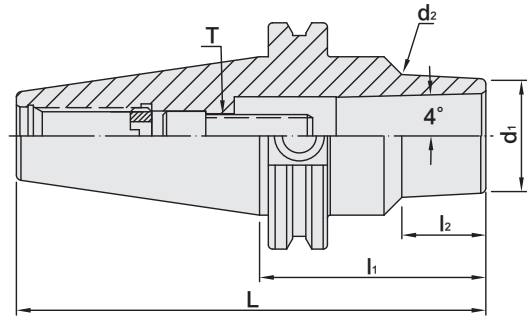
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-62	P.W-88	P.W-68~73

SCAT / SBL SLIM-FIT COLLET CHUCK



SCAT / SBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M274178

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
43.648.06.300	SCAT40 x SBL6 - 3"	5.687	3	1.09	0.55	0.65	M6 x 1.0P	12	9	0.125 ~ 0.25	1.00
43.648.06.400	SCAT40 x SBL6 - 4"	6.687	4	2.12	0.55	0.74	M6 x 1.0P	12	9	0.125 ~ 0.25	1.25
43.648.06.600	SCAT40 x SBL6 - 6"	8.687	6	4.17	0.55	0.92	M6 x 1.0P	12	9	0.125 ~ 0.25	1.20
43.648.08.400	SCAT40 x SBL8 - 4"	6.687	4	2.43	0.787	1.03	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.13
43.648.08.500	SCAT40 x SBL8 - 5"	7.687	5	3.43	0.787	1.14	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.24
43.648.08.600	SCAT40 x SBL8 - 6"	8.687	6	4.43	0.787	1.25	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.39
43.648.12.250	SCAT40 x SBL12 - 2.5"	5.187	2.5	0.82	1.02	1.15	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
43.648.12.400	SCAT40 x SBL12 - 4"	6.687	4	2.23	1.02	1.26	M10 x 1.5P	45	33	0.125 ~ 0.5	1.20
43.648.12.600	SCAT40 x SBL12 - 6"	8.687	6	4.49	1.02	1.49	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
43.648.20.250	SCAT40 x SBL20 - 2.5"	5.187	2.5	0.98	1.38	1.46	M12 x 1.75P	60	44	0.125 ~ 0.75	1.20
43.648.20.400	SCAT40 x SBL20 - 4"	6.687	4	2.55	1.37	1.6	M12 x 1.75P	60	44	0.125 ~ 0.75	1.60
43.648.20.600	SCAT40 x SBL20 - 6"	8.687	6	4.62	1.37	-	M12 x 1.75P	60	44	0.125 ~ 0.75	1.50
43.648.25.325	SCAT40 x SBL25 - 3.25"	5.937	3.25	1.86	1.57	1.73	M16 x 2.0P	90	66	0.125 ~ 1	1.40
43.648.25.400	SCAT40 x SBL25 - 4"	6.687	4	2.61	1.57	1.75	M16 x 2.0P	90	66	0.125 ~ 1	1.60
44.648.06.350	SCAT50 x SBL6 - 3.5"	7.5	3.5	1.56	0.55	0.71	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
44.648.06.450	SCAT50 x SBL6 - 4.5"	8.5	4.5	2.38	0.55	0.8	M6 x 1.0P	12	9	0.125 ~ 0.25	1.50
44.648.06.600	SCAT50 x SBL6 - 6"	10	6	3.96	0.55	0.97	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
44.648.08.400	SCAT50 x SBL8 - 4"	8	4	2.24	0.787	1.01	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.23
44.648.08.500	SCAT50 x SBL8 - 5"	9	5	3.25	0.787	1.12	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.36
44.648.08.600	SCAT50 x SBL8 - 6"	10	6	4.24	0.787	1.23	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.51
44.648.12.250	SCAT50 x SBL12 - 2.5"	6.5	2.5	0.93	1.02	1.11	M10 x 1.5P	45	33	0.125 ~ 0.5	4.00
44.648.12.450	SCAT50 x SBL12 - 4.5"	8.5	4.5	2.75	1.02	1.27	M10 x 1.5P	45	33	0.125 ~ 0.5	4.10
44.648.12.600	SCAT50 x SBL12 - 6"	10	6	4.25	1.02	1.4	M10 x 1.5P	45	33	0.125 ~ 0.5	4.20
44.648.20.250	SCAT50 x SBL20 - 2.5"	6.5	2.5	0.75	1.37	1.44	M12 x 1.75P	60	44	0.125 ~ 0.75	4.30
44.648.20.450	SCAT50 x SBL20 - 4.5"	8.5	4.5	2.75	1.37	1.62	M12 x 1.75P	60	44	0.125 ~ 0.75	4.60
44.648.20.600	SCAT50 x SBL20 - 6"	10	6	4.12	1.37	1.74	M12 x 1.75P	60	44	0.125 ~ 0.75	4.70
44.648.25.275	SCAT50 x SBL25 - 2.75"	6.75	2.75	1.33	1.69	1.69	M16 x 2.0P	90	66	0.125 ~ 1	4.40
44.648.25.450	SCAT50 x SBL25 - 4.5"	8.5	4.5	3.06	1.84	1.84	M16 x 2.0P	90	66	0.125 ~ 1	4.60

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

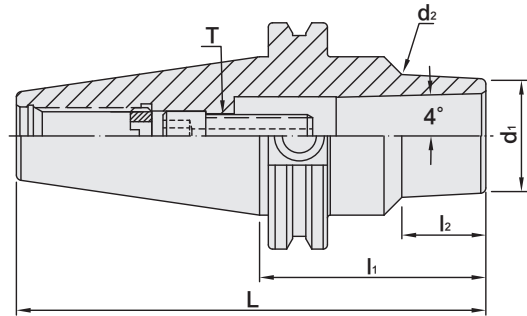
Collet	Pull Stud	SCREW	Spanner
P.W-33	P.W-62	P.W-91	P.W-72



SCAT / SBLC SLIM-FIT COLLET CHUCK

Dual
DRIVE+

SCAT / SBLC 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M274178

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
43.648C.06.300	SCAT40 x SBLC6 - 3"	5.687	3	1.09	0.55	0.65	M6 x 1.0P	12	9	0.125 ~ 0.25	1.00
43.648C.06.400	SCAT40 x SBLC6 - 4"	6.687	4	2.12	0.55	0.74	M6 x 1.0P	12	9	0.125 ~ 0.25	1.25
43.648C.06.600	SCAT40 x SBLC6 - 6"	8.687	6	4.17	0.55	0.92	M6 x 1.0P	12	9	0.125 ~ 0.25	1.20
43.648C.08.400	SCAT40 x SBLC8 - 4"	6.687	4	2.43	0.787	1.03	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.13
43.648C.08.500	SCAT40 x SBLC8 - 5"	7.687	5	3.43	0.787	1.14	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.24
43.648C.08.600	SCAT40 x SBLC8 - 6"	8.687	6	4.43	0.787	1.25	M8 x 1.25P	29	21	0.125 ~ 0.3125	1.39
43.648C.12.250	SCAT40 x SBLC12 - 2.5"	5.187	2.5	0.82	1.02	1.15	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
43.648C.12.400	SCAT40 x SBLC12 - 4"	6.687	4	2.23	1.02	1.26	M10 x 1.5P	45	33	0.125 ~ 0.5	1.20
43.648C.12.600	SCAT40 x SBLC12 - 6"	8.687	6	4.49	1.02	1.49	M10 x 1.5P	45	33	0.125 ~ 0.5	1.45
43.648C.20.250	SCAT40 x SBLC20 - 2.5"	5.187	2.5	0.98	1.38	1.46	M12 x 1.75P	60	44	0.125 ~ 0.75	1.20
43.648C.20.400	SCAT40 x SBLC20 - 4"	6.687	4	2.55	1.37	1.6	M12 x 1.75P	60	44	0.125 ~ 0.75	1.60
43.648C.20.600	SCAT40 x SBLC20 - 6"	8.687	6	4.62	1.37	-	M12 x 1.75P	60	44	0.125 ~ 0.75	1.50
43.648C.25.325	SCAT40 x SBLC25 - 3.25"	5.937	3.25	1.86	1.57	1.73	M16 x 2.0P	90	66	0.125 ~ 1	1.40
43.648C.25.400	SCAT40 x SBLC25 - 4"	6.687	4	2.61	1.57	1.75	M16 x 2.0P	90	66	0.125 ~ 1	1.60
44.648C.06.350	SCAT50 x SBLC6 - 3.5"	7.5	3.5	1.56	0.55	0.71	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
44.648C.06.450	SCAT50 x SBLC6 - 4.5"	8.5	4.5	2.38	0.55	0.8	M6 x 1.0P	12	9	0.125 ~ 0.25	1.50
44.648C.06.600	SCAT50 x SBLC6 - 6"	10	6	3.96	0.55	0.97	M6 x 1.0P	12	9	0.125 ~ 0.25	1.70
44.648C.08.400	SCAT50 x SBLC8 - 4"	8	4	2.24	0.787	1.01	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.23
44.648C.08.500	SCAT50 x SBLC8 - 5"	9	5	3.25	0.787	1.12	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.36
44.648C.08.600	SCAT50 x SBLC8 - 6"	10	6	4.24	0.787	1.23	M8 x 1.25P	29	21	0.125 ~ 0.3125	3.51
44.648C.12.250	SCAT50 x SBLC12 - 2.5"	6.5	2.5	0.93	1.02	1.11	M10 x 1.5P	45	33	0.125 ~ 0.5	4.00
44.648C.12.450	SCAT50 x SBLC12 - 4.5"	8.5	4.5	2.75	1.02	1.27	M10 x 1.5P	45	33	0.125 ~ 0.5	4.10
44.648C.12.600	SCAT50 x SBLC12 - 6"	10	6	4.25	1.02	1.4	M10 x 1.5P	45	33	0.125 ~ 0.5	4.20
44.648C.20.250	SCAT50 x SBLC20 - 2.5"	6.5	2.5	0.75	1.37	1.44	M12 x 1.75P	60	44	0.125 ~ 0.75	4.30
44.648C.20.450	SCAT50 x SBLC20 - 4.5"	8.5	4.5	2.75	1.37	1.62	M12 x 1.75P	60	44	0.125 ~ 0.75	4.60
44.648C.20.600	SCAT50 x SBLC20 - 6"	10	6	4.12	1.37	1.74	M12 x 1.75P	60	44	0.125 ~ 0.75	4.70
44.648C.25.275	SCAT50 x SBLC25 - 2.75"	6.75	2.75	1.33	1.69	1.69	M16 x 2.0P	90	66	0.125 ~ 1	4.40
44.648C.25.450	SCAT50 x SBLC25 - 4.5"	8.5	4.5	3.06	1.84	1.84	M16 x 2.0P	90	66	0.125 ~ 1	4.60

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

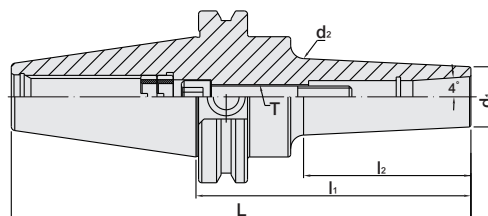
Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-62	P.W-91	P.W-72

SCAT / EBL SLIM-FIT COLLET CHUCK

Dual
DRIVE+

SCAT / EBL 法蘭加厚型後拉式刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
43.277.06.300	SCAT40 x EBL6 - 3"	5.687	3	1.43	0.75	0.89	M6 x 1.0P	12	9	0.125 ~ 0.25	1.21
43.277.06.400	SCAT40 x EBL6 - 4"	6.687	4	2.43	0.75	0.98	M6 x 1.0P	12	9	0.125 ~ 0.25	1.21
43.277.06.600	SCAT40 x EBL6 - 6"	8.687	6	4.43	0.75	1.18	M6 x 1.0P	12	9	0.125 ~ 0.25	1.48
43.277.08.300	SCAT40 x EBL8 - 3"	5.687	3	1.43	0.875	1.01	M8 x 1.25P	29	21	0.125 ~ 0.375	1.08
43.277.08.400	SCAT40 x EBL8 - 4"	6.687	4	2.43	0.875	1.11	M8 x 1.25P	29	21	0.125 ~ 0.375	1.25
43.277.08.600	SCAT40 x EBL8 - 6"	8.687	6	4.50	0.875	1.31	M8 x 1.25P	29	21	0.125 ~ 0.375	1.50
44.277.06.300	SCAT50 x EBL6 - 3"	7	3	1.24	0.75	0.87	M6 x 1.0P	12	9	0.125 ~ 0.25	3.19
44.277.06.400	SCAT50 x EBL6 - 4"	8	4	1.24	0.75	0.96	M6 x 1.0P	12	9	0.125 ~ 0.25	3.31
44.277.06.600	SCAT50 x EBL6 - 6"	10	6	4.24	0.75	1.16	M6 x 1.0P	12	9	0.125 ~ 0.25	3.53
44.277.08.300	SCAT50 x EBL8 - 3"	7	3	1.24	0.875	0.96	M8 x 1.25P	29	21	0.125 ~ 0.375	3.26
44.277.08.400	SCAT50 x EBL8 - 4"	8	4	2.24	0.875	1.092	M8 x 1.25P	29	21	0.125 ~ 0.375	3.33
44.277.08.600	SCAT50 x EBL8 - 6"	10	6	4.24	0.875	1.29	M8 x 1.25P	29	21	0.125 ~ 0.375	3.53

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
P.W-35	P.W-36	P.W-62	P.72



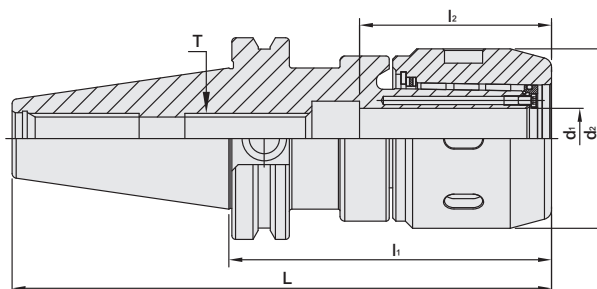
SCAT / MLD MULTI - LOCK MILLING CHUCK

Dual
DRIVE+

SCAT / MLD 法蘭加厚型直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
43.463G.58.335	SCAT40 x MLD1/2" - 3.35"	6.03	3.35	1.84	0.5	1.654	M12 x 1.75P	1.80
43.463G.61.350	SCAT40 x MLD5/8" - 3.5"	6.187	3.5	2.23	0.625	1.889	M12 x 1.75P	1.90
43.463G.64.400	SCAT40 x MLD3/4" - 4"	6.687	4	2.34	0.75	2.224	5/8" - 11	1.90
43.463G.64.600	SCAT40 x MLD3/4" - 6"	8.687	6	2.34	0.75	2.224	5/8" - 11	2.10
43.463G.68.400	SCAT40 x MLD1" - 4"	6.687	4	2.49	1	2.362	5/8" - 11	2.00
43.463G.72.420	SCAT40 x MLD1-1/4" - 4.2"	6.887	4.2	2.8	1.25	2.795	5/8" - 11	2.50
43.463G.72.600	SCAT40 x MLD1-1/4" - 6"	8.687	6	2.8	1.25	2.795	5/8" - 11	2.70
44.463G.58.350	SCAT50 x MLD1/2" - 3.5"	7.5	3.5	1.84	0.5	1.654	M12 x 1.75P	2.50
44.463G.61.350	SCAT50 x MLD5/8" - 3.5"	7.5	3.5	2.23	0.625	1.889	M12 x 1.75P	2.70
44.463G.64.400	SCAT50 x MLD3/4" - 4"	8	4	2.34	0.75	2.224	5/8" - 11	2.50
44.463G.64.600	SCAT50 x MLD3/4" - 6"	10	6	2.34	0.75	2.224	5/8" - 11	2.80
44.463G.68.400	SCAT50 x MLD1" - 4"	8	4	2.49	1	2.362	5/8" - 11	2.90
44.463G.72.413	SCAT50 x MLD1-1/4" - 4.13"	8.13	4.13	2.8	1.25	2.795	1" - 8	2.70
44.463G.72.600	SCAT50 x MLD1-1/4" - 6"	10	6	2.8	1.25	2.795	5/8" - 11	3.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

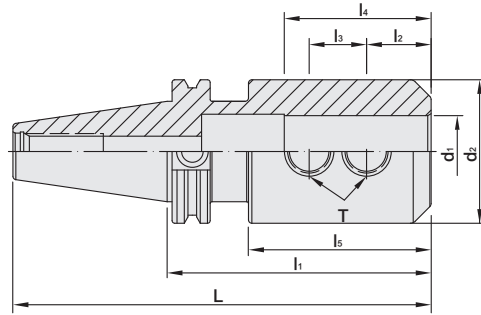
Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-62	P.W-88	P.W-71~72	P.W-73

SCAT / SLN SIDE LOCK END MILL HOLDER



SCAT / SLN 法蘭加厚型側固式立銑刀柄



INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
43.653.52.238	SCAT40 x SLN1/8" - 2.375"	5.062	2.375	0.37	-	0.787	0.8	0.125	0.69	6# - 32	1.15
43.653.53.250	SCAT40 x SLN3/16" - 2.5"	5.187	2.5	0.562	-	0.984	0.73	0.1875	0.69	8# - 32	1.20
43.653.54.300	SCAT40 x SLN1/4" - 3"	5.687	3	0.63	-	1.38	1.28	0.25	0.78	1/4 - 28	1.15
43.653.55.300	SCAT40 x SLN5/16" - 3"	5.687	3	0.63	-	1.38	1.11	0.3125	0.88	5/16 - 24	1.20
43.653.56.300	SCAT40 x SLN3/8" - 3"	5.687	3	0.75	-	1.535	1.08	0.375	1	3/8 - 24	1.20
43.653.58.300	SCAT40 x SLN1/2" - 3"	5.687	3	0.875	-	1.732	1.29	0.5	1.25	7/16 - 20	1.40
43.653.61.300	SCAT40 x SLN5/8" - 3"	5.687	3	0.937	-	1.85	1.46	0.625	1.5	1/2 - 20	1.50
43.653.64.300	SCAT40 x SLN3/4" - 3"	5.687	3	1	-	1.929	2.12	0.75	1.75	5/8 - 18	1.65
43.653.64.350	SCAT40 x SLN3/4" - 3.5"	6.187	3.5	1	-	1.929	2.12	0.75	1.75	5/8 - 18	1.70
43.653.66.350	SCAT40 x SLN7/8" - 3.5"	6.187	3.5	1.063	0.875	2.36	2.06	0.875	1.88	5/8 - 18	2.55
43.653.68.400	SCAT40 x SLN1" - 4"	6.687	4	1.125	1	2.56	2.5	1	2	3/4 - 16	2.80
43.653.72.460	SCAT40 x SLN1-1/4" - 4.6"	7.287	4.6	1.125	1	2.56	3.12	1.25	2.5	3/4 - 16	2.90
43.653.77.450	SCAT40 x SLN1-1/2" - 4.5"	7.187	4.5	1.125	1	2.56	3.02	1.5	2.5	3/4 - 16	3.20
44.653.54.400	SCAT50 x SLN1/4" - 4"	8	4	0.63	-	1.38	1.85	0.25	0.78	1/4 - 28	3.95
44.653.55.400	SCAT50 x SLN5/16" - 4"	8	4	0.63	-	1.38	2.23	0.3125	0.88	5/16 - 24	3.95
44.653.56.400	SCAT50 x SLN3/8" - 4"	8	4	0.781	-	1.535	1.89	0.375	1	3/8 - 24	4.00
44.653.58.400	SCAT50 x SLN1/2" - 4"	8	4	0.875	-	1.732	2.08	0.5	1.25	7/16 - 20	4.15
44.653.61.400	SCAT50 x SLN5/8" - 4"	8	4	0.937	-	1.85	1.83	0.625	1.5	1/2 - 20	4.30
44.653.64.400	SCAT50 x SLN3/4" - 4"	8	4	1	-	1.929	1.96	0.75	1.75	5/8 - 18	4.35
44.653.66.400	SCAT50 x SLN7/8" - 4"	8	4	1.063	0.875	2.36	2.43	0.875	1.88	5/8 - 18	5.30
44.653.68.400	SCAT50 x SLN1" - 4"	8	4	1.125	1	2.56	2.5	1	2	3/4 - 16	5.50
44.653.72.400	SCAT50 x SLN1-1/4" - 4"	8	4	1.125	1	2.756	2.5	1.25	2.5	3/4 - 16	5.65
44.653.72.460	SCAT50 x SLN1-1/4" - 4.6"	8.6	4.6	1.125	1	2.756	3.1	1.25	2.5	3/4 - 16	5.70
44.653.77.460	SCAT50 x SLN1-1/2" - 4.6"	8.6	4.6	1.125	1	2.756	3.14	1.5	2.5	3/4 - 16	5.70
44.653.86.600	SCAT50 x SLN2" - 6"	10	6	1.335	1.41	3.347	4.48	2	3.75	1 - 14	5.90

Features:

- ▶ Internal hole tolerance: H5.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

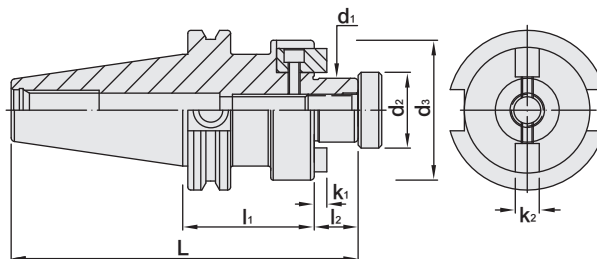
Pull Stud	Lock Screw
	
P.W-62	P.W-90



SCAT FACE MILL ARBOR

Dual
DRIVE+

SCAT / FMA 法蘭加厚型平面銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
43.151.64.137	SCAT40 x FMA3/4" - 1.37"	4.744	1.37	0.687	0.75	0.875	1.69	0.188	0.3125	1.50
43.151.64.400	SCAT40 x FMA3/4" - 4"	7.374	4	0.687	0.75	0.875	1.69	0.188	0.3125	1.70
43.151.64.600	SCAT40 x FMA3/4" - 6"	9.374	6	0.687	0.75	0.875	1.69	0.188	0.3125	1.90
43.151.68.206	SCAT40 x FMA1" - 2.06"	5.434	2.06	0.687	1	1.1875	2.19	0.188	0.375	1.50
43.151.68.400	SCAT40 x FMA1" - 4"	7.374	4	0.687	1	1.1875	2.19	0.188	0.375	2.55
43.151.68.600	SCAT40 x FMA1" - 6"	9.374	6	0.687	1	1.1875	2.19	0.188	0.375	2.75
43.151.72.221	SCAT40 x FMA1-1/4" - 2.21"	5.584	2.21	0.687	1.25	1.5	2.75	0.25	0.5	2.60
43.151.72.400	SCAT40 x FMA1-1/4" - 4"	7.374	4	0.687	1.25	1.5	2.75	0.25	0.5	2.75
43.151.72.600	SCAT40 x FMA1-1/4" - 6"	9.374	6	0.687	1.25	1.5	2.75	0.25	0.5	2.95
43.151.77.221	SCAT40 x FMA1-1/2" - 2.21"	5.584	2.21	0.938	1.5	1.875	3.81	0.349	0.625	2.70
43.151.77.400	SCAT40 x FMA1-1/2" - 4"	7.627	4	0.938	1.5	1.875	3.81	0.349	0.625	2.95
44.151.64.150	SCAT50 x FMA3/4" - 1.5"	6.187	1.5	0.687	0.75	0.875	-	0.188	0.3125	4.20
44.151.64.350	SCAT50 x FMA3/4" - 3.5"	8.187	3.5	0.687	0.75	0.875	1.69	0.188	0.3125	4.40
44.151.64.550	SCAT50 x FMA3/4" - 5.5"	10.187	5.5	0.687	0.75	0.875	1.69	0.188	0.3125	4.60
44.151.68.200	SCAT50 x FMA1" - 2"	6.687	2	0.687	1	1.1875	2.19	0.188	0.375	4.50
44.151.68.400	SCAT50 x FMA1" - 4"	8.687	4	0.687	1	1.1875	2.19	0.188	0.375	4.70
44.151.68.600	SCAT50 x FMA1" - 6"	10.687	6	0.687	1	1.1875	2.19	0.188	0.375	4.90
44.151.72.150	SCAT50 x FMA1-1/4" - 1.5"	6.187	1.5	0.687	1.25	1.5	2.75	0.25	0.5	4.70
44.151.72.350	SCAT50 x FMA1-1/4" - 3.5"	8.187	3.5	0.687	1.25	1.5	2.75	0.25	0.5	4.80
44.151.72.500	SCAT50 x FMA1-1/4" - 5"	9.687	5	0.687	1.25	1.5	2.75	0.25	0.5	5.00
44.151.72.600	SCAT50 x FMA1-1/4" - 6"	10.687	6	0.687	1.25	1.5	2.75	0.25	0.5	5.10
44.151.77.240	SCAT50 x FMA1-1/2" - 2.4"	7.388	2.4	0.938	1.5	1.875	3.81	0.349	0.625	5.00
44.151.77.400	SCAT50 x FMA1-1/2" - 4"	8.988	4	0.938	1.5	1.875	3.81	0.349	0.625	5.20
44.151.77.600	SCAT50 x FMA1-1/2" - 6"	10.988	6	0.938	1.5	1.875	3.81	0.349	0.625	5.40
44.151.86.240	SCAT50 x FMA2" - 2.4"	7.388	2.4	0.938	2	2.5	4.88	0.384	0.75	5.40
44.151.86.400	SCAT50 x FMA2" - 4"	8.988	4	0.938	2	2.5	4.88	0.384	0.75	5.60

Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Screw



P.W-62

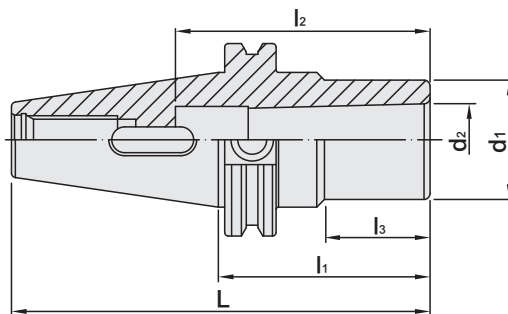
P.W-89

SCAT MORSE TAPER ADAPTER TANG TYPE

Dual
DRIVE+

SCAT 法蘭加厚型斜柄鑽頭套筒

(DIN 228-2)



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
43.465.01.160	SCAT40 x MTA1 - 1.6"	4.287	1.6	2.205	0.12	1	0.475	1.30
43.465.02.200	SCAT40 x MTA2 - 2"	4.687	2	2.638	0.32	1.25	0.7	1.50
43.465.03.275	SCAT40 x MTA3 - 2.75"	5.437	2.75	3.307	1.29	1.55	0.938	1.14
43.465.04.375	SCAT40 x MTA4 - 3.75"	6.437	3.75	4.213	2.37	1.75	1.23	1.20
44.465.01.200	SCAT50 x MTA1 - 2"	6	2	2.205	0.13	1	0.475	4.05
44.465.02.200	SCAT50 x MTA2 - 2"	6	2	2.638	0.5	1.25	0.7	4.40
44.465.03.250	SCAT50 x MTA3 - 2.5"	6.5	2.5	3.307	1	1.55	0.938	4.50
44.465.04.330	SCAT50 x MTA4 - 3.3"	7.3	3.3	4.213	1.8	1.75	1.23	4.90
44.465.05.410	SCAT50 x MTA5 - 4.1"	8.1	4.1	5.236	2.59	2.48	1.748	5.15

МАШСЕРВИС

Features:

- The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with Tang).

Pull Stud



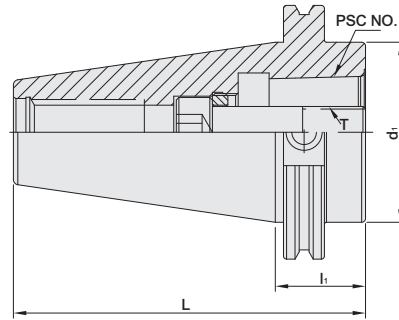
P.W-62



SCAT ADAPTER

Dual
DRIVE+

SCAT 法蘭加厚型套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
43.501.32.035	SCAT40 x PSC32 - 35	PSC32	103.249	35	44.45	M12 x 1.5P	45	33	1.02
43.501.40.035	SCAT40 x PSC40 - 35	PSC40	103.249	35	44.45	M14 x 1.5P	55	40	0.93
43.501.50.035	SCAT40 x PSC50 - 35	PSC50	103.249	35	44.45	M16 x 1.5P	95	70	0.85
43.501.63.090	SCAT40 x PSC63 - 90	PSC63	158.249	90	44.45	M20 x 2.0P	170	125	1.85
44.501.32.035	SCAT50 x PSC32 - 35	PSC32	136.6	35	69.85	M12 x 1.5P	45	33	3.05
44.501.40.035	SCAT50 x PSC40 - 35	PSC40	136.6	35	69.85	M14 x 1.5P	55	40	3.00
44.501.50.035	SCAT50 x PSC50 - 35	PSC50	136.6	35	69.85	M16 x 1.5P	95	70	2.90
44.501.63.035	SCAT50 x PSC63 - 35	PSC63	136.6	35	69.85	M20 x 2.0P	170	125	2.68

INCHES

44.501.63.400	SCAT50 x PSC63 - 4"	PSC63	184.15	101.6	69.85	M20 x 2.0P	170	125	4.42
44.501.63.600	SCAT50 x PSC63 - 6"	PSC63	234.95	152.4	69.85	M20 x 2.0P	170	125	5.78
44.501.63.800	SCAT50 x PSC63 - 8"	PSC63	285.75	203.2	69.85	M20 x 2.0P	170	125	7.14
44.501.63.100	SCAT50 x PSC63 - 10"	PSC63	336.55	254	69.85	M20 x 2.0P	170	125	8.50
44.501.63.120	SCAT50 x PSC63 - 12"	PSC63	387.35	304.8	69.85	M20 x 2.0P	170	125	9.87
44.501.80.374	SCAT50 x PSC80 - 3.74"	PSC80	196.596	94.996	80.01	M20 x 2.0P	170	125	3.05

Pull Stud

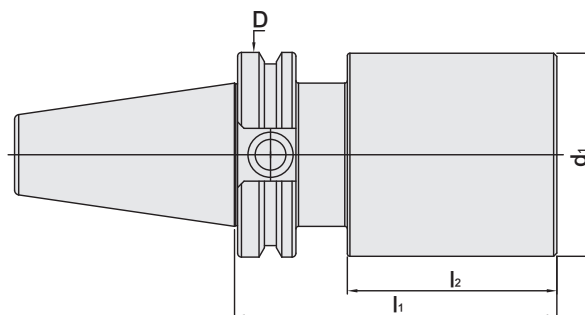


P.W-62

SCAT BLANK

Dual
DRIVE+

SCAT 法蘭加厚型素材



INCHES

MODEL NO.	TYPE	D	d ₁	l ₁	l ₂	WEIGHT (KGS)
43.001.98.800	SCAT40 x ϕ 3" - 8"	2.5	3	8	6.625	6.94
44.001.A1.800	SCAT50 x ϕ 3.15" - 8"	3.875	3.15	8	6.625	6.91
44.001.A1.120	SCAT50 x ϕ 3.15" - 12"	3.875	3.15	12	10.625	13.55
44.001.99.800	SCAT50 x ϕ 4" - 8"	3.875	4	8	6.625	13.60
44.001.99.120	SCAT50 x ϕ 4" - 12"	3.875	4	12	10.625	19.95
44.001.A7.800	SCAT50 x ϕ 6" - 8"	3.875	6	8	6.625	26.73
44.001.A7.120	SCAT50 x ϕ 6" - 12"	3.875	6	12	10.625	41.0

МАШСЕРВИС

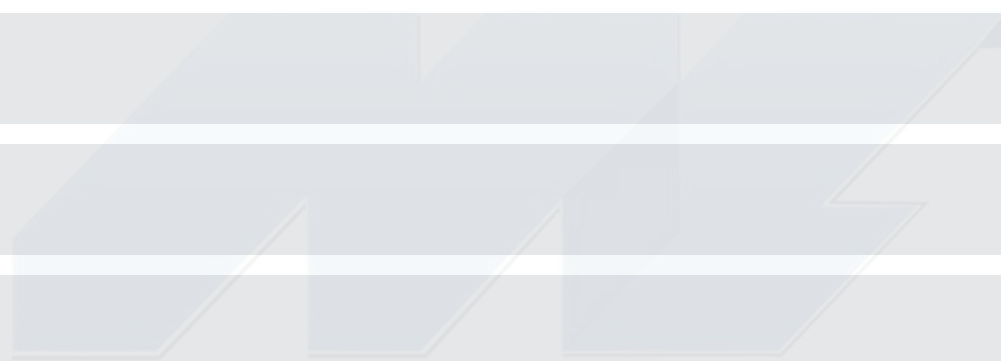
Pull Stud



P.W-62



MEMO



МАШСЕРВИС



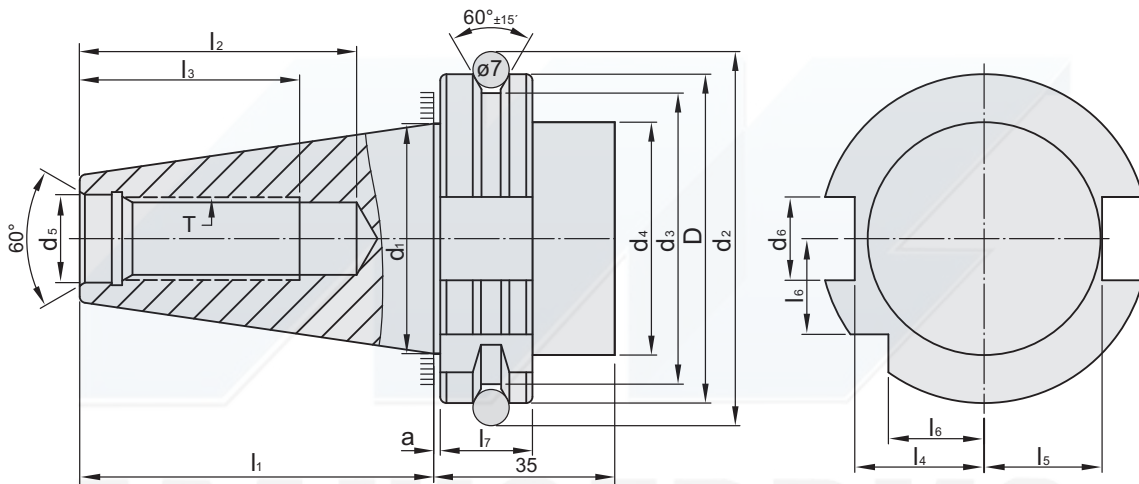
SDAT CATEGORY

PNER COLLET CHUCK	F-3
UT COLLET CHUCK	F-4~5
ER COLLET CHUCK	F-6~7
ER COLLET CHUCK [M TYPE]	F-8
SKX COLLET CHUCK	F-9~10
SK3 COLLET CHUCK	F-11
SKS COLLET CHUCK	F-12
SBL SLIM-FIT COLLET CHUCK	F-13
SBLC SLIM-FIT COLLET CHUCK	F-14
EBL SLIM-FIT COLLET CHUCK	F-15
MLD MULTI-LOCK MILLING CHUCK	F-16
SLN SIDE LOCK END MILL HOLDER	F-17
FACE MILL ARBOR [FMB TYPE]	F-18
FACE MILL ARBOR [FMC TYPE]	F-19
MORSE TAPER ADAPTER	F-20
ADAPTER	F-21

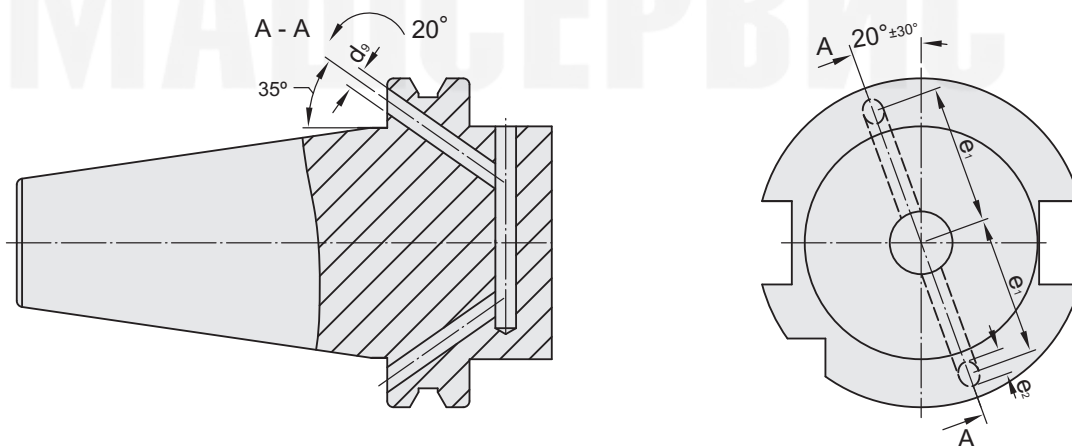
REFERENCE DETAILS

- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.

SDAT A



SDAT AD+B



SDAT	D 0 -0.1	d ₁	d ₂ ±0.05	d ₃ 0 -0.5	d ₄ max	d ₅ H7	d ₆ H12	d ₉	e ₁ ±0.1	e ₂ max
40	63.55	44.45	72.30	56.25	50	17	16.1	4	27	5
50	97.50	69.85	107.25	91.25	80	25	25.7	6	42	7
SDAT	l ₁ 0 -0.3	l ₂ min	l ₃ min	l ₄ 0 -0.4	l ₅ 0 -0.4	l ₆ 0 -0.3	l ₇ +0.01 0	a 0 -0.005	T	
40	68.4	42.5	32	25	22.8	18.5	18.1	1	M16	
50	101.75	61.5	47	37.7	35.5	30	17.6	1.5	M24	

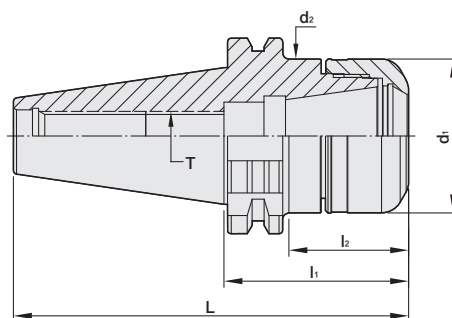
SDAT / PNER COLLET CHUCK



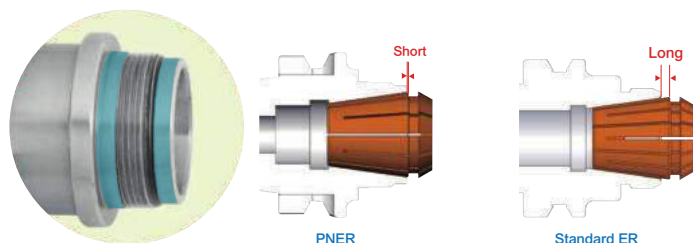
SDAT / PNER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.273.16.070	SDAT40 x PNER16 - 70	138.4	70	45.9	30	30	M10 x 1.5P	3 ~ 10	1.05
66.273.16.100	SDAT40 x PNER16 - 100	168.4	100	75.9	30	30	M10 x 1.5P	3 ~ 10	1.15
66.273.20.070	SDAT40 x PNER20 - 70	138.4	70	45.9	32	32	M12 x 1.75P	3 ~ 13	1.10
66.273.20.100	SDAT40 x PNER20 - 100	168.4	100	75.9	32	32	M12 x 1.75P	3 ~ 13	1.30
66.273.25.070	SDAT40 x PNER25 - 70	138.4	70	45.9	40	40	M16 x 2.0P	3 ~ 16	1.15
66.273.25.100	SDAT40 x PNER25 - 100	168.4	100	75.9	40	40	M16 x 2.0P	3 ~ 16	1.45
66.273.32.050	SDAT40 x PNER32 - 50	118.4	50	30.4	50	50	M16 x 2.0P	3 ~ 20	1.10
66.273.32.070	SDAT40 x PNER32 - 70	138.4	70	50.4	50	50	M16 x 2.0P	3 ~ 20	1.22
66.273.32.100	SDAT40 x PNER32 - 100	168.4	100	80.4	50	50	M16 x 2.0P	3 ~ 20	1.62
66.273.40.100	SDAT40 x PNER40 - 100	168.4	100	80.4	63	63	M20 x 2.0P	6 ~ 26	1.65
67.273.16.070	SDAT50 x PNER16 - 70	171.75	70	40.9	30	30	M10 x 1.5P	3 ~ 10	2.80
67.273.16.100	SDAT50 x PNER16 - 100	201.75	100	70.9	30	30	M10 x 1.5P	3 ~ 10	3.20
67.273.16.160	SDAT50 x PNER16 - 160	261.75	160	130.9	30	30	M10 x 1.5P	3 ~ 10	4.50
67.273.20.070	SDAT50 x PNER20 - 70	171.75	70	40.9	32	32	M12 x 1.75P	3 ~ 13	3.00
67.273.20.100	SDAT50 x PNER20 - 100	201.75	100	70.9	32	32	M12 x 1.75P	3 ~ 13	3.40
67.273.25.070	SDAT50 x PNER25 - 70	171.75	70	40.9	40	40	M16 x 2.0P	3 ~ 16	3.40
67.273.25.100	SDAT50 x PNER25 - 100	201.75	100	70.9	40	40	M16 x 2.0P	3 ~ 16	3.54
67.273.25.160	SDAT50 x PNER25 - 160	261.75	160	130.9	40	40	M16 x 2.0P	3 ~ 16	4.60
67.273.32.070	SDAT50 x PNER32 - 70	171.75	70	40.9	50	50	M16 x 2.0P	3 ~ 20	3.50
67.273.32.100	SDAT50 x PNER32 - 100	201.75	100	70.9	50	50	M16 x 2.0P	3 ~ 20	4.30
67.273.40.070	SDAT50 x PNER40 - 70	171.75	70	45.9	63	63	M20 x 2.0P	6 ~ 26	3.50
67.273.40.100	SDAT50 x PNER40 - 100	201.75	100	75.9	63	63	M20 x 2.0P	6 ~ 26	4.30



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-63	P.W-88	P.W-68~73



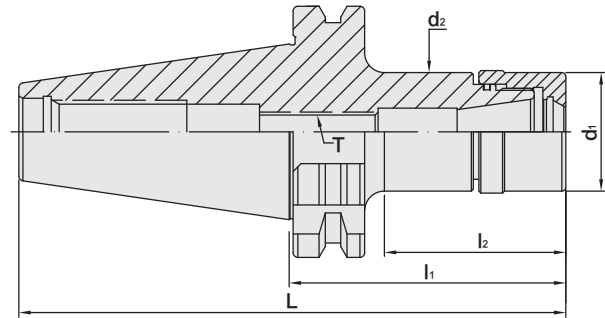
SDAT / UT COLLET CHUCK



SDAT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.753.16.070	SDAT40 x UT16 - 70	138.4	70	45.9	30	30	M10 x 1.5P	1 ~ 10	1.03
66.753.16.100	SDAT40 x UT16 - 100	168.4	100	75.9	30	30	M10 x 1.5P	1 ~ 10	1.16
66.753.16.125	SDAT40 x UT16 - 125	193.4	125	100.9	30	30	M10 x 1.5P	1 ~ 10	1.27
66.753.16.150	SDAT40 x UT16 - 150	218.4	150	125.9	30	30	M10 x 1.5P	1 ~ 10	1.37
66.753.20.070	SDAT40 x UT20 - 70	138.4	70	45.9	35	36	M12 x 1.75P	1 ~ 13	1.10
66.753.20.100	SDAT40 x UT20 - 100	168.4	100	75.9	35	36	M12 x 1.75P	1 ~ 13	1.30
66.753.20.125	SDAT40 x UT20 - 125	193.4	125	100.9	35	36	M12 x 1.75P	1 ~ 13	1.46
66.753.20.150	SDAT40 x UT20 - 150	218.4	150	125.9	35	36	M12 x 1.75P	1 ~ 13	1.63
66.753.25.070	SDAT40 x UT25 - 70	138.4	70	45.9	42	42	M16 x 2.0P	1 ~ 16	1.16
66.753.25.100	SDAT40 x UT25 - 100	168.4	100	75.9	42	42	M16 x 2.0P	1 ~ 16	1.45
66.753.25.150	SDAT40 x UT25 - 150	218.4	150	125.9	42	42	M16 x 2.0P	1 ~ 16	1.92
66.753.32.070	SDAT40 x UT32 - 70	138.4	70	50.1	48	48	M16 x 2.0P	2 ~ 20	1.19
66.753.32.100	SDAT40 x UT32 - 100	168.4	100	80.1	48	48	M16 x 2.0P	2 ~ 20	1.58
66.753.32.125	SDAT40 x UT32 - 125	193.4	125	105.1	48	48	M16 x 2.0P	2 ~ 20	1.89
66.753.32.150	SDAT40 x UT32 - 150	218.4	150	130.1	48	48	M16 x 2.0P	2 ~ 20	2.21

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

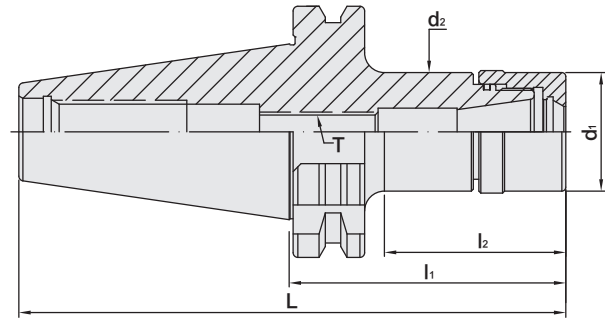
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73

SDAT / UT COLLET CHUCK



SDAT / UT 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
67.753.16.070	SDAT50 x UT16 - 70	171.75	70	45.9	30	30	M10 x 1.5P	1 ~ 10	2.79
67.753.16.100	SDAT50 x UT16 - 100	201.75	100	75.9	30	30	M10 x 1.5P	1 ~ 10	2.94
67.753.16.125	SDAT50 x UT16 - 125	226.75	125	95.9	30	30	M10 x 1.5P	1 ~ 10	3.01
67.753.16.150	SDAT50 x UT16 - 150	251.75	150	120.9	30	30	M10 x 1.5P	1 ~ 10	3.12
67.753.20.070	SDAT50 x UT20 - 70	171.75	70	40.9	35	36	M12 x 1.75P	1 ~ 13	2.89
67.753.20.100	SDAT50 x UT20 - 100	201.75	100	70.9	35	36	M12 x 1.75P	1 ~ 13	3.05
67.753.20.125	SDAT50 x UT20 - 125	226.75	125	95.9	35	36	M12 x 1.75P	1 ~ 13	3.18
67.753.20.150	SDAT50 x UT20 - 150	251.75	150	120.9	35	36	M12 x 1.75P	1 ~ 13	3.31
67.753.25.070	SDAT50 x UT25 - 70	171.75	70	45.9	42	42	M16 x 2.0P	1 ~ 16	2.94
67.753.25.100	SDAT50 x UT25 - 100	201.75	100	70.9	42	42	M16 x 2.0P	1 ~ 16	3.21
67.753.25.150	SDAT50 x UT25 - 150	251.75	150	120.9	42	42	M16 x 2.0P	1 ~ 16	3.72
67.753.32.070	SDAT50 x UT32 - 70	171.75	70	45.9	48	48	M16 x 2.0P	2 ~ 20	2.98
67.753.32.100	SDAT50 x UT32 - 100	201.75	100	70.9	48	48	M16 x 2.0P	2 ~ 20	3.36
67.753.32.125	SDAT50 x UT32 - 125	226.75	125	95.9	48	48	M16 x 2.0P	2 ~ 20	3.64
67.753.32.150	SDAT50 x UT32 - 150	251.75	150	120.9	48	48	M16 x 2.0P	2 ~ 20	3.92

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73



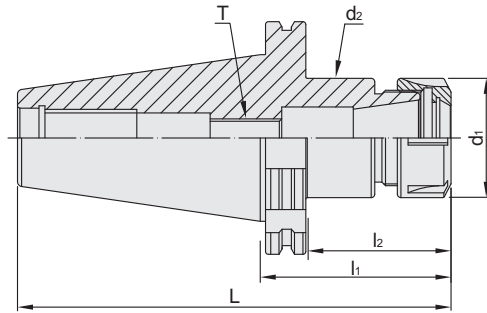
SDAT / ER COLLET CHUCK



SDAT / ER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.122.11.080	SDAT40 x ER11A - 80	148.4	80	50	19	19	M6 x 1.0P	1 ~ 7	1.05
66.122.11.125	SDAT40 x ER11A - 125	193.4	125	95	19	19	M6 x 1.0P	1 ~ 7	1.15
66.122.16.070	SDAT40 x ER16A - 70	138.4	70	40	28	28	M10 x 1.5P	1 ~ 10	1.10
66.122.16.100	SDAT40 x ER16A - 100	168.4	100	70	28	28	M10 x 1.5P	1 ~ 10	1.20
66.122.16.125	SDAT40 x ER16A - 125	193.4	125	95	28	28	M10 x 1.5P	1 ~ 10	1.30
66.122.16.150	SDAT40 x ER16A - 150	218.4	150	120	28	28	M10 x 1.5P	1 ~ 10	1.38
66.122.16.180	SDAT40 x ER16A - 180	248.4	180	150	28	28	M10 x 1.5P	1 ~ 10	1.85
66.122.20.070	SDAT40 x ER20A - 70	138.4	70	47	34	34	M12 x 1.75P	1 ~ 13	1.10
66.122.20.100	SDAT40 x ER20A - 100	168.4	100	70	34	34	M12 x 1.75P	1 ~ 13	1.30
66.122.20.135	SDAT40 x ER20A - 135	203.4	135	105	34	34	M12 x 1.75P	1 ~ 13	1.95
66.122.20.160	SDAT40 x ER20A - 160	228.4	160	130	34	34	M12 x 1.75P	1 ~ 13	2.20
66.122.25.070	SDAT40 x ER25 - 70	138.4	70	50	42	42	M16 x 2.0P	1 ~ 16	1.20
66.122.25.100	SDAT40 x ER25 - 100	168.4	100	80	42	42	M16 x 2.0P	1 ~ 16	1.45
66.122.25.150	SDAT40 x ER25 - 150	218.4	150	130	42	42	M16 x 2.0P	1 ~ 16	2.25
66.122.25.180	SDAT40 x ER25 - 180	248.4	180	160	42	42	M16 x 2.0P	1 ~ 16	2.45
66.122.25.200	SDAT40 x ER25 - 200	268.4	200	180	42	42	M16 x 2.0P	1 ~ 16	2.00
66.122.32.070	SDAT40 x ER32 - 70	138.4	70	50	50	49.7	M16 x 2.0P	2 ~ 20	1.30
66.122.32.100	SDAT40 x ER32 - 100	168.4	100	80	50	49.5	M16 x 2.0P	2 ~ 20	1.65
66.122.32.135	SDAT40 x ER32 - 135	203.4	135	115	50	49.7	M16 x 2.0P	2 ~ 20	2.15
66.122.32.150	SDAT40 x ER32 - 150	218.4	150	130	50	49.7	M16 x 2.0P	2 ~ 20	2.65
66.122.40.070	SDAT40 x ER40 - 70	138.4	70	50	63	50	M20 x 2.0P	3 ~ 26	1.50
66.122.40.100	SDAT40 x ER40 - 100	168.4	100	80	63	50	M20 x 2.0P	3 ~ 26	2.00
66.122.40.135	SDAT40 x ER40 - 135	203.4	135	115	63	50	M20 x 2.0P	3 ~ 26	2.30
66.122.50.100	SDAT40 x ER50 - 100	168.4	100	80	78	64	M24 x 2.0P	5 ~ 34	1.70

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

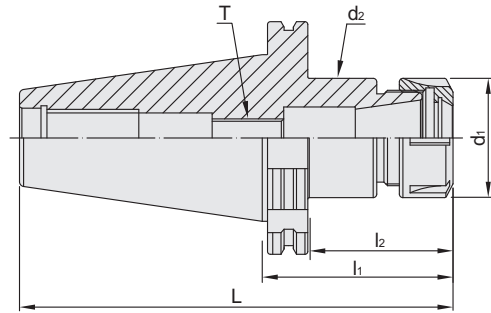
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-88	P.W-68~71

SDAT / ER COLLET CHUCK



SDAT / ER 法蘭加厚型立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
67.122.16.100	SDAT50 x ER16A - 100	201.75	100	70	28	28	M10 x 1.5P	1 ~ 10	3.20
67.122.16.135	SDAT50 x ER16A - 135	236.75	135	105	28	28	M10 x 1.5P	1 ~ 10	4.30
67.122.16.160	SDAT50 x ER16A - 160	261.75	160	130	28	28	M10 x 1.5P	1 ~ 10	4.50
67.122.16.180	SDAT50 x ER16A - 180	281.75	180	150	28	28	M10 x 1.5P	1 ~ 10	4.80
67.122.20.100	SDAT50 x ER20A - 100	201.75	100	70	34	34	M12 x 1.75P	1 ~ 13	3.40
67.122.20.135	SDAT50 x ER20A - 135	236.75	135	105	34	34	M12 x 1.75P	1 ~ 13	3.60
67.122.20.160	SDAT50 x ER20A - 160	261.75	160	130	34	34	M12 x 1.75P	1 ~ 13	3.80
67.122.25.070	SDAT50 x ER25 - 70	171.75	70	40	42	42	M16 x 2.0P	1 ~ 16	3.40
67.122.25.100	SDAT50 x ER25 - 100	201.75	100	70	42	42	M16 x 2.0P	1 ~ 16	3.54
67.122.25.150	SDAT50 x ER25 - 150	251.75	150	120	42	42	M16 x 2.0P	1 ~ 16	4.50
67.122.25.200	SDAT50 x ER25 - 200	301.75	200	170	42	42	M16 x 2.0P	1 ~ 16	4.70
67.122.32.080	SDAT50 x ER32 - 80	181.75	80	50	50	50	M20 x 2.0P	2 ~ 20	3.60
67.122.32.120	SDAT50 x ER32 - 120	221.75	120	90	50	50	M20 x 2.0P	2 ~ 20	4.60
67.122.32.160	SDAT50 x ER32 - 160	261.75	160	130	50	50	M20 x 2.0P	2 ~ 20	4.60
67.122.32.200	SDAT50 x ER32 - 200	301.75	200	170	50	50	M20 x 2.0P	2 ~ 20	5.20
67.122.40.080	SDAT50 x ER40 - 80	181.75	80	50	63	60	M20 x 2.0P	3 ~ 26	3.65
67.122.40.120	SDAT50 x ER40 - 120	221.75	120	90	63	60	M20 x 2.0P	3 ~ 26	4.50
67.122.40.160	SDAT50 x ER40 - 160	261.75	160	130	63	60	M20 x 2.0P	3 ~ 26	5.20
67.122.40.200	SDAT50 x ER40 - 200	301.75	200	170	63	60	M20 x 2.0P	3 ~ 26	5.40
67.122.50.080	SDAT50 x ER50 - 80	181.75	80	57	78	60	M24 x 2.0P	5 ~ 34	4.85
67.122.50.120	SDAT50 x ER50 - 120	221.75	120	99	78	78	M24 x 2.0P	5 ~ 34	5.45
67.122.50.160	SDAT50 x ER50 - 160	261.75	160	139	78	78	M24 x 2.0P	5 ~ 34	5.55
67.122.50.200	SDAT50 x ER50 - 200	301.75	200	179	78	78	M24 x 2.0P	5 ~ 34	5.70

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-88	P.W-68~71



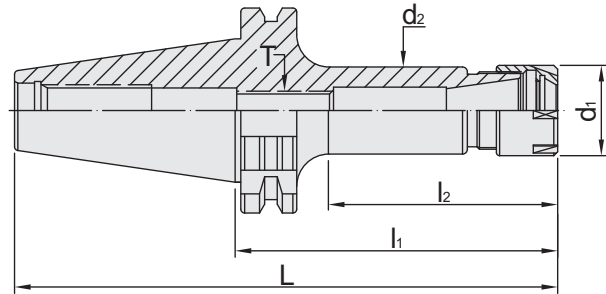
SDAT / ER COLLET CHUCK

M TYPE



M 型 SDAT / ER 法蘭加厚型立銑刀夾頭

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.123.11.070	SDAT40 x ER11M - 70	138.4	70	40	16	15	M6 x 1.0P	1 ~ 7	1.10
66.123.11.100	SDAT40 x ER11M - 100	168.4	100	70	16	15	M6 x 1.0P	1 ~ 7	1.20
66.123.11.125	SDAT40 x ER11M - 125	193.4	125	95	16	15	M6 x 1.0P	1 ~ 7	1.40
66.123.11.150	SDAT40 x ER11M - 150	218.4	150	120	16	15	M6 x 1.0P	1 ~ 7	1.50
66.123.16.070	SDAT40 x ER16M - 70	138.4	70	40	22	21	M10 x 1.5P	1 ~ 10	1.20
66.123.16.100	SDAT40 x ER16M - 100	168.4	100	70	22	21	M10 x 1.5P	1 ~ 10	1.30
66.123.16.125	SDAT40 x ER16M - 125	193.4	125	95	22	21	M10 x 1.5P	1 ~ 10	1.50
66.123.16.150	SDAT40 x ER16M - 150	218.4	150	120	22	21	M10 x 1.5P	1 ~ 10	1.60
66.123.20.070	SDAT40 x ER20M - 70	138.4	70	40	28	27	M12 x 1.75P	1 ~ 13	1.20
66.123.20.100	SDAT40 x ER20M - 100	168.4	100	70	28	27	M12 x 1.75P	1 ~ 13	1.55
66.123.20.125	SDAT40 x ER20M - 125	193.4	125	95	28	27	M12 x 1.75P	1 ~ 13	1.70
66.123.20.150	SDAT40 x ER20M - 150	218.4	150	120	28	27	M12 x 1.75P	1 ~ 13	1.80
67.123.11.070	SDAT50 x ER11M - 70	171.75	70	40	16	15	M6 x 1.0P	1 ~ 7	3.80
67.123.11.090	SDAT50 x ER11M - 90	191.75	90	60	16	15	M6 x 1.0P	1 ~ 7	3.90
67.123.11.105	SDAT50 x ER11M - 105	206.75	105	56	16	15	M6 x 1.0P	1 ~ 7	4.00
67.123.11.135	SDAT50 x ER11M - 135	236.75	135	86	16	15	M6 x 1.0P	1 ~ 7	4.10
67.123.11.165	SDAT50 x ER11M - 165	266.75	165	98	16	15	M6 x 1.0P	1 ~ 7	4.20
67.123.16.070	SDAT50 x ER16M - 70	171.75	70	40	22	21	M10 x 1.5P	1 ~ 10	3.90
67.123.16.090	SDAT50 x ER16M - 90	191.75	90	60	22	21	M10 x 1.5P	1 ~ 10	4.00
67.123.16.105	SDAT50 x ER16M - 105	206.75	105	68	22	21	M10 x 1.5P	1 ~ 10	4.10
67.123.16.135	SDAT50 x ER16M - 135	236.75	135	98	22	21	M10 x 1.5P	1 ~ 10	4.20
67.123.16.165	SDAT50 x ER16M - 165	266.75	165	128	22	21	M10 x 1.5P	1 ~ 10	4.30
67.123.20.090	SDAT50 x ER20M - 90	191.75	90	60	28	27	M12 x 1.75P	1 ~ 13	4.10
67.123.20.105	SDAT50 x ER20M - 105	206.75	105	71	28	27	M12 x 1.75P	1 ~ 13	4.20
67.123.20.135	SDAT50 x ER20M - 135	236.75	135	101	28	27	M12 x 1.75P	1 ~ 13	4.40
67.123.20.165	SDAT50 x ER20M - 165	266.75	165	131	28	27	M12 x 1.75P	1 ~ 13	4.60

Product information:

- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-63	P.W-88	P.W-68~71

SDAT / SKX COLLET CHUCK



SDAT / SKX 法蘭加厚型立銑刀夾頭



Fig.1

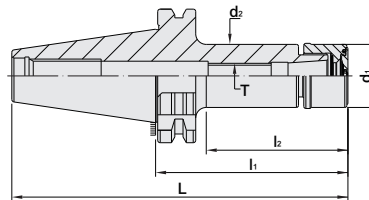
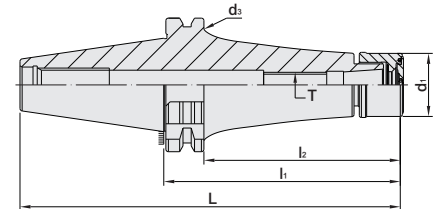


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
66.790.06.060	SDAT40 x SKX6 - 60	128.4	60	30	18	18	-	M8 x 1.25P	3 ~ 6	1	1.00
66.790.06.090	SDAT40 x SKX6 - 90	158.4	90	51	18	18	-	M8 x 1.25P	3 ~ 6	1	1.10
66.790.06.120	SDAT40 x SKX6 - 120	188.4	120	81	18	18	53	M8 x 1.25P	3 ~ 6	2	1.40
66.790.06.150	SDAT40 x SKX6 - 150	218.4	150	111	18	18	53	M8 x 1.25P	3 ~ 6	2	1.50
66.790.10.060	SDAT40 x SKX10 - 60	128.4	60	32	30	30	-	M12 x 1.75P	3 ~ 10	1	1.10
66.790.10.090	SDAT40 x SKX10 - 90	158.4	90	48	30	30	-	M12 x 1.75P	3 ~ 10	1	1.20
66.790.10.120	SDAT40 x SKX10 - 120	188.4	120	78	30	30	53	M12 x 1.75P	3 ~ 10	2	1.40
66.790.10.150	SDAT40 x SKX10 - 150	218.4	150	108	30	30	53	M12 x 1.75P	3 ~ 10	2	1.60
66.790.10.180	SDAT40 x SKX10 - 180	248.4	180	138	30	30	53	M12 x 1.75P	3 ~ 10	2	1.60
66.658.13.090	SDAT40 x SKX13 - 90	158.4	90	67	35	33	-	M12 x 1.75P	3 ~ 13	1	1.40
66.658.13.120	SDAT40 x SKX13 - 120	188.4	120	97	35	33	-	M12 x 1.75P	3 ~ 13	2	1.60
66.790.16.060	SDAT40 x SKX16 - 60	128.4	60	32	40	40	-	M18 x 1.5P	3 ~ 16	1	1.30
66.790.16.090	SDAT40 x SKX16 - 90	158.4	90	58	40	40	-	M18 x 1.5P	3 ~ 16	1	1.50
66.790.16.120	SDAT40 x SKX16 - 120	188.4	120	88	40	40	80	M18 x 1.5P	3 ~ 16	2	1.70
66.790.16.150	SDAT40 x SKX16 - 150	218.4	150	118	40	40	80	M18 x 1.5P	3 ~ 16	2	1.90
66.790.16.180	SDAT40 x SKX16 - 180	248.4	180	148	40	40	80	M18 x 1.5P	3 ~ 16	2	2.00
66.790.20.090	SDAT40 x SKX20 - 90	158.4	90	60	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.60
66.790.20.120	SDAT40 x SKX20 - 120	188.4	120	89.9	48.5	48.5	80	M22 x 1.5P	3 ~ 20	2	2.00
66.790.25.090	SDAT40 x SKX25 - 90	158.4	90	61	55	55	-	M28 x 2.0P	3 ~ 25.4	1	1.80
66.790.25.120	SDAT40 x SKX25 - 120	188.4	120	91	55	55	80	M28 x 2.0P	3 ~ 25.4	2	2.00

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-63	P.W-88	P.W-68~73	P.W-72



SDAT / SKX COLLET CHUCK



SDAT / SKX 法蘭加厚型立銑刀夾頭



Fig.1

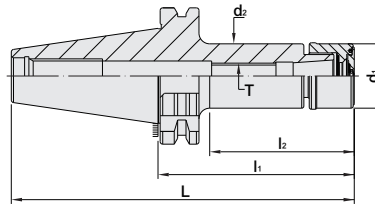
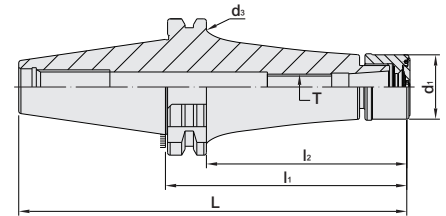


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
67.790.06.105	SDAT50 x SKX6 - 105	206.8	105	55	18	18	-	M8 x 1.25P	3 ~ 6	1	3.80
67.790.06.135	SDAT50 x SKX6 - 135	236.8	135	60	18	18	-	M8 x 1.25P	3 ~ 6	1	3.90
67.790.06.165	SDAT50 x SKX6 - 165	266.8	165	85	18	18	-	M8 x 1.25P	3 ~ 6	1	4.00
67.790.06.200	SDAT50 x SKX6 - 200	301.8	200	120	18	18	80	M8 x 1.25P	3 ~ 6	2	4.20
67.790.10.105	SDAT50 x SKX10 - 105	206.8	105	57	30	30	-	M12 x 1.75P	3 ~ 10	1	4.20
67.790.10.135	SDAT50 x SKX10 - 135	236.8	135	70	30	30	-	M12 x 1.75P	3 ~ 10	1	4.40
67.790.10.165	SDAT50 x SKX10 - 165	266.8	165	90	30	30	-	M12 x 1.75P	3 ~ 10	1	4.60
67.790.10.200	SDAT50 x SKX10 - 200	301.8	200	125	30	30	80	M12 x 1.75P	3 ~ 10	2	4.80
67.790.13.105	SDAT50 x SKX13 - 105	206.75	105	80	35	33	-	M12 x 1.75P	3 ~ 13	1	4.20
67.790.13.165	SDAT50 x SKX13 - 165	266.75	165	140	35	33	-	M12 x 1.75P	3 ~ 13	2	4.60
67.790.16.105	SDAT50 x SKX16 - 105	206.8	105	62	40	40	-	M18 x 1.5P	3 ~ 16	1	4.70
67.790.16.135	SDAT50 x SKX16 - 135	236.8	135	92	40	40	-	M18 x 1.5P	3 ~ 16	1	4.90
67.790.16.165	SDAT50 x SKX16 - 165	266.8	165	90	40	40	-	M18 x 1.5P	3 ~ 16	1	5.10
67.790.16.200	SDAT50 x SKX16 - 200	301.8	200	125	40	40	80	M18 x 1.5P	3 ~ 16	2	5.50
67.790.20.105	SDAT50 x SKX20 - 105	206.8	105	62	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	4.30
67.790.20.135	SDAT50 x SKX20 - 135	236.8	135	92	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	4.60
67.790.20.165	SDAT50 x SKX20 - 165	266.8	165	122	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	5.00
67.790.25.105	SDAT50 x SKX25 - 105	206.8	105	62	55	55	-	M28 x 2.0P	3 ~ 25.4	1	5.20
67.790.25.135	SDAT50 x SKX25 - 135	236.8	135	92	55	55	-	M28 x 2.0P	3 ~ 25.4	1	5.40
67.790.25.165	SDAT50 x SKX25 - 165	266.8	165	122	55	55	-	M28 x 2.0P	3 ~ 25.4	1	5.60
67.790.25.200	SDAT50 x SKX25 - 200	301.8	200	157	55	55	80	M28 x 2.0P	3 ~ 25.4	2	6.00

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

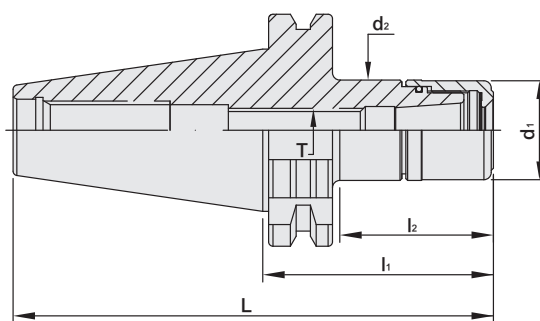
Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Pull Stud	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-63	P.W-88	P.W-68~73	P.W-72

SDAT / SK3 COLLET CHUCK



SDAT / SK3 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.763.06.080	SDAT40 x SK306 - 80	148.4	80	42.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.10
66.763.06.100	SDAT40 x SK306 - 100	168.4	100	62.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.30
66.763.06.120	SDAT40 x SK306 - 120	188.4	120	82.75	19.5	19.5	M8 x 1.25P	3 ~ 6	1.40
66.763.10.080	SDAT40 x SK310 - 80	148.4	80	50.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.10
66.763.10.100	SDAT40 x SK310 - 100	168.4	100	70.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.30
66.763.10.120	SDAT40 x SK310 - 120	188.4	120	90.9	27.5	27.5	M12 x 1.75P	3 ~ 10	1.40
66.763.13.080	SDAT40 x SK313 - 80	148.4	80	55.9	33	33	M12 x 1.75P	3 ~ 13	1.10
66.763.13.100	SDAT40 x SK313 - 100	168.4	100	75.9	33	33	M12 x 1.75P	3 ~ 13	1.30
66.763.13.120	SDAT40 x SK313 - 120	188.4	120	95.9	33	33	M12 x 1.75P	3 ~ 13	1.40
66.763.16.080	SDAT40 x SK316 - 80	148.4	80	55.9	40	40	M18 x 1.5P	3 ~ 16	1.20
66.763.16.100	SDAT40 x SK316 - 100	168.4	100	75.9	40	40	M18 x 1.5P	3 ~ 16	1.40
66.763.16.120	SDAT40 x SK316 - 120	188.4	120	95.9	40	40	M18 x 1.5P	3 ~ 16	1.50
67.763.06.080	SDAT50 x SK306 - 80	181.75	80	40.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.00
67.763.06.100	SDAT50 x SK306 - 100	201.75	100	60.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.10
67.763.06.120	SDAT50 x SK306 - 120	221.75	120	80.75	19.5	19.5	M8 x 1.25P	3 ~ 6	4.20
67.763.10.080	SDAT50 x SK310 - 80	181.75	80	50.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.10
67.763.10.100	SDAT50 x SK310 - 100	201.75	100	70.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.20
67.763.10.120	SDAT50 x SK310 - 120	221.75	120	90.9	27.5	27.5	M12 x 1.75P	3 ~ 10	4.30
67.763.13.080	SDAT50 x SK313 - 80	181.75	80	50.9	33	33	M12 x 1.75P	3 ~ 13	4.20
67.763.13.100	SDAT50 x SK313 - 100	201.75	100	70.9	33	33	M12 x 1.75P	3 ~ 13	4.30
67.763.13.120	SDAT50 x SK313 - 120	221.75	120	90.9	33	33	M12 x 1.75P	3 ~ 13	4.40
67.763.16.080	SDAT50 x SK316 - 80	181.75	80	50.9	40	40	M18 x 1.5P	3 ~ 16	4.30
67.763.16.100	SDAT50 x SK316 - 100	201.75	100	70.9	40	40	M18 x 1.5P	3 ~ 16	4.40
67.763.16.120	SDAT50 x SK316 - 120	221.75	120	90.9	40	40	M18 x 1.5P	3 ~ 16	4.50

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

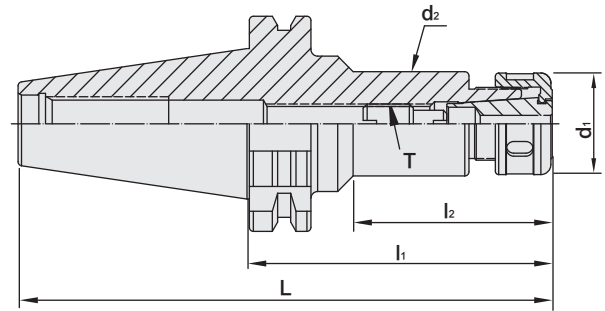
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-63	P.W-88	P.W-68~73



SDAT / SKS COLLET CHUCK



SDAT / SKS 法蘭加厚型高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
66.658.06.090	SDAT40 x SKS6 - 90	158.4	90	51	18	18	M8 x 1.25P	3 ~ 6	0.60
66.658.06.120	SDAT40 x SKS6 - 120	188.4	120	81	18	18	M8 x 1.25P	3 ~ 6	0.70
66.658.10.090	SDAT40 x SKS10 - 90	158.4	90	52	30	27.6	M12 x 1.75P	3 ~ 10	1.20
66.658.10.120	SDAT40 x SKS10 - 120	188.4	120	82	30	27.6	M12 x 1.75P	3 ~ 10	1.40
66.658.13.090	SDAT40 x SKS13 - 90	158.4	90	67	35	33	M12 x 1.75P	3 ~ 13	1.40
66.658.13.120	SDAT40 x SKS13 - 120	188.4	120	97	35	33	M12 x 1.75P	3 ~ 13	1.60
66.658.16.090	SDAT40 x SKS16 - 90	158.4	90	65	40	40	M18 x 1.5P	3 ~ 16	1.30
66.658.16.120	SDAT40 x SKS16 - 120	188.4	120	95	40	40	M18 x 1.5P	3 ~ 16	1.50
66.658.20.090	SDAT40 x SKS20 - 90	158.4	90	70	48.5	48.5	M22 x 1.5P	3 ~ 20	1.60
66.658.20.120	SDAT40 x SKS20 - 120	188.4	120	100	48.5	48.5	M22 x 1.5P	3 ~ 20	2.00
66.658.25.090	SDAT40 x SKS25 - 90	158.4	90	70	55	49.85	M28 x 2.0P	3 ~ 25.4	1.30
66.658.25.120	SDAT40 x SKS25 - 120	188.4	120	100	55	49.85	M28 x 2.0P	3 ~ 25.4	1.50
67.658.06.105	SDAT50 x SKS6 - 105	206.75	105	64	18	18	M8 x 1.25P	3 ~ 6	4.20
67.658.06.165	SDAT50 x SKS6 - 165	266.75	165	124	18	18	M8 x 1.25P	3 ~ 6	4.60
67.658.10.105	SDAT50 x SKS10 - 105	206.75	105	70	30	30	M12 x 1.75P	3 ~ 10	4.20
67.658.10.165	SDAT50 x SKS10 - 165	266.75	165	130	30	30	M12 x 1.75P	3 ~ 10	4.60
67.658.13.105	SDAT50 x SKS13 - 105	206.75	105	80	35	33	M12 x 1.75P	3 ~ 13	4.20
67.658.13.165	SDAT50 x SKS13 - 165	266.75	165	140	35	33	M12 x 1.75P	3 ~ 13	4.60
67.658.16.105	SDAT50 x SKS16 - 105	206.75	105	75	40	40	M18 x 1.5P	3 ~ 16	4.30
67.658.16.165	SDAT50 x SKS16 - 165	266.75	165	127	40	40	M18 x 1.5P	3 ~ 16	4.70
67.658.20.105	SDAT50 x SKS20 - 105	206.75	105	80	48.5	48.5	M22 x 1.5P	3 ~ 20	4.30
67.658.20.165	SDAT50 x SKS20 - 165	266.75	165	140	48.5	48.5	M22 x 1.5P	3 ~ 20	4.70
67.658.25.105	SDAT50 x SKS25 - 105	206.75	105	80	55	55	M28 x 2.0P	3 ~ 25.4	5.00
67.658.25.165	SDAT50 x SKS25 - 165	266.75	165	140	55	55	M28 x 2.0P	3 ~ 25.4	5.30

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

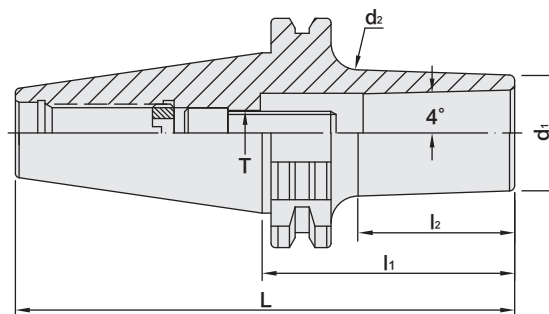
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-63	P.W-88	P.W-68~73

SDAT / SBL SLIM-FIT COLLET CHUCK



SDAT / SBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
66.648.06.070	SDAT40 x SBL6 - 70	138.4	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	1.00
66.648.06.100	SDAT40 x SBL6 - 100	168.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.10
66.648.08.100	SDAT40 x SBL8 - 100	168.4	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	1.25
66.648.08.130	SDAT40 x SBL8 - 130	198.4	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	1.19
66.648.08.150	SDAT40 x SBL8 - 150	218.4	150	121.4	20	32.6	M8 x 1.25P	29	21	3 ~ 8	1.32
66.648.12.070	SDAT40 x SBL12 - 70	138.4	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	1.20
66.648.12.100	SDAT40 x SBL12 - 100	168.4	100	73	26	32	M10 x 1.5P	45	33	3 ~ 12	1.30
66.648.20.070	SDAT40 x SBL20 - 70	138.4	70	46	35	39	M12 x 1.75P	60	44	3 ~ 20	1.30
66.648.20.100	SDAT40 x SBL20 - 100	168.4	100	78	35	41	M12 x 1.75P	60	44	3 ~ 20	1.40
66.648.25.080	SDAT40 x SBL25 - 80	148.4	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25.4	1.50
66.648.25.100	SDAT40 x SBL25 - 100	168.4	100	79	40	46	M16 x 2.0P	90	66	3 ~ 25.4	1.60
67.648.06.070	SDAT50 x SBL6 - 70	171.75	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	2.80
67.648.06.100	SDAT50 x SBL6 - 100	201.75	100	66	14	20	M6 x 1.0P	12	9	3 ~ 6	2.90
67.648.08.100	SDAT50 x SBL8 - 100	201.75	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	2.81
67.648.08.130	SDAT50 x SBL8 - 130	231.75	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	2.98
67.648.08.150	SDAT50 x SBL8 - 150	281.75	150	121.4	20	32.7	M8 x 1.25P	29	21	3 ~ 8	3.11
67.648.12.070	SDAT50 x SBL12 - 70	171.75	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	3.00
67.648.12.100	SDAT50 x SBL12 - 100	201.75	100	73	26	32	M10 x 1.5P	45	33	3 ~ 12	3.10
67.648.20.070	SDAT50 x SBL20 - 70	171.75	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	3.20
67.648.20.100	SDAT50 x SBL20 - 100	201.75	100	76	35	41	M12 x 1.75P	60	44	3 ~ 20	3.30
67.648.25.080	SDAT50 x SBL25 - 80	181.75	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25.4	3.20
67.648.25.100	SDAT50 x SBL25 - 100	201.75	100	78	40	46	M16 x 2.0P	90	66	3 ~ 25.4	3.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

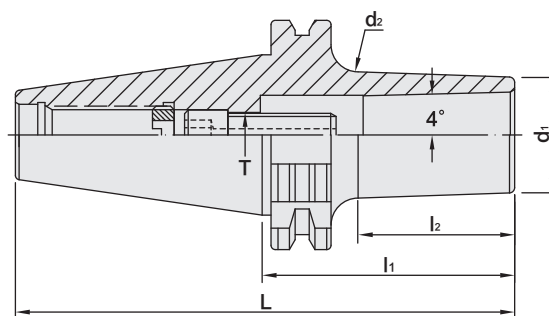
Collet	Pull Stud	SCREW	Spanner
P.W-33	P.W-63	P.W-91	P.W-72



SDAT / SBLC SLIM-FIT COLLET CHUCK



SDAT / SBLC 法蘭加厚型後拉式立銼刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
66.648C.06.070	SDAT40 x SBLC6 - 70	138.4	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	1.00
66.648C.06.100	SDAT40 x SBLC6 - 100	168.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.10
66.648C.08.100	SDAT40 x SBLC8 - 100	168.4	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	1.25
66.648C.08.130	SDAT40 x SBLC8 - 130	198.4	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	1.19
66.648C.08.150	SDAT40 x SBLC8 - 150	218.4	150	121.4	20	32.6	M8 x 1.25P	29	21	3 ~ 8	1.32
66.648C.12.070	SDAT40 x SBLC12 - 70	138.4	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	1.20
66.648C.12.100	SDAT40 x SBLC12 - 100	168.4	100	73	26	32	M10 x 1.5P	45	33	3 ~ 12	1.30
66.648C.20.070	SDAT40 x SBLC20 - 70	138.4	70	46	35	39	M12 x 1.75P	60	44	3 ~ 20	1.30
66.648C.20.100	SDAT40 x SBLC20 - 100	168.4	100	78	35	41	M12 x 1.75P	60	44	3 ~ 20	1.40
66.648C.25.080	SDAT40 x SBLC25 - 80	148.4	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25.4	1.50
66.648C.25.100	SDAT40 x SBLC25 - 100	168.4	100	79	40	46	M16 x 2.0P	90	66	3 ~ 25.4	1.60
67.648C.06.070	SDAT50 x SBLC6 - 70	171.75	70	36	14	17	M6 x 1.0P	12	9	3 ~ 6	2.80
67.648C.06.100	SDAT50 x SBLC6 - 100	201.75	100	66	14	20	M6 x 1.0P	12	9	3 ~ 6	2.90
67.648C.08.100	SDAT50 x SBLC8 - 100	201.75	100	71.4	20	27.4	M8 x 1.25P	29	21	3 ~ 8	2.81
67.648C.08.130	SDAT50 x SBLC8 - 130	231.75	130	101.4	20	30.6	M8 x 1.25P	29	21	3 ~ 8	2.98
67.648C.08.150	SDAT50 x SBLC8 - 150	281.75	150	121.4	20	32.7	M8 x 1.25P	29	21	3 ~ 8	3.11
67.648C.12.070	SDAT50 x SBLC12 - 70	171.75	70	41	26	29	M10 x 1.5P	45	33	3 ~ 12	3.00
67.648C.12.100	SDAT50 x SBLC12 - 100	201.75	100	73	26	32	M10 x 1.5P	45	33	3 ~ 12	3.10
67.648C.20.070	SDAT50 x SBLC20 - 70	171.75	70	41	35	38	M12 x 1.75P	60	44	3 ~ 20	3.20
67.648C.20.100	SDAT50 x SBLC20 - 100	201.75	100	76	35	41	M12 x 1.75P	60	44	3 ~ 20	3.30
67.648C.25.080	SDAT50 x SBLC25 - 80	181.75	80	58	40	45	M16 x 2.0P	90	66	3 ~ 25.4	3.20
67.648C.25.100	SDAT50 x SBLC25 - 100	201.75	100	78	40	46	M16 x 2.0P	90	66	3 ~ 25.4	3.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

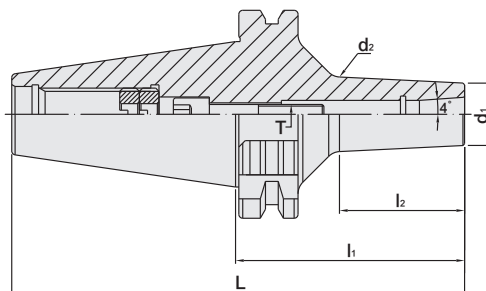
Standard Accessory: • SPANNER

Collet	Pull Stud	SCREW	Spanner
			
P.W-34	P.W-63	P.W-91	P.W-72

SDAT / EBL SLIM-FIT COLLET CHUCK

Dual
DRIVE+

SDAT / EBL 法蘭加厚型後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
66.277.06.070	SDAT40 x EBL6 - 70	138.4	70	38.2	19.05	22.7	M6 x 1.0P	12	9	3 ~ 6	1.01
66.277.06.100	SDAT40 x EBL6 - 100	168.4	100	69.7	19.05	25.8	M6 x 1.0P	12	9	3 ~ 6	1.12
66.277.08.070	SDAT40 x EBL8 - 70	138.4	70	36.5	22.225	25.8	M8 x 1.25P	29	21	3 ~ 8	1.03
66.277.08.100	SDAT40 x EBL8 - 100	168.4	100	68.1	22.225	28.8	M8 x 1.25P	29	21	3 ~ 8	1.17
67.277.06.070	SDAT50 x EBL6 - 70	171.75	70	38.2	19.05	22.7	M6 x 1.0P	12	9	3 ~ 6	2.80
67.277.06.100	SDAT50 x EBL6 - 100	201.75	100	69.7	19.05	25.8	M6 x 1.0P	12	9	3 ~ 6	2.83
67.277.08.070	SDAT50 x EBL8 - 70	171.75	70	36.5	22.225	25.8	M8 x 1.25P	29	21	3 ~ 8	2.83
67.277.08.100	SDAT50 x EBL8 - 100	201.75	100	68.1	22.225	28.8	M8 x 1.25P	29	21	3 ~ 8	2.88

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Spanner
P.W-35	P.W-36	P.W-63	P.W-72



SDAT / MLD MULTI - LOCK MILLING CHUCK



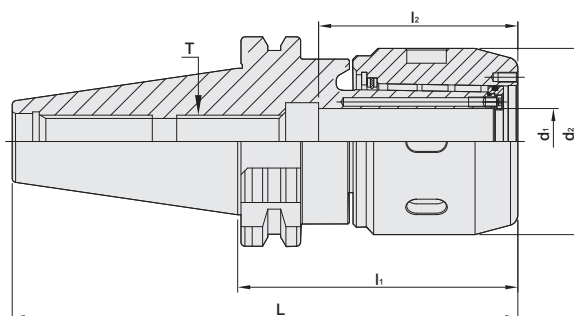
SDAT / MLD 法蘭加厚型直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
66.463G.12.075	SDAT40 x MLD12 - 75	143.4	75	46.7	12	42	M12 x 1.75P	2.10
66.463G.16.080	SDAT40 x MLD16 - 80	148.4	80	56.7	16	48	M12 x 1.75P	2.20
66.463G.20.085	SDAT40 x MLD20 - 85	153.4	85	59.3	20	56.5	M16 x 2.0P	2.40
66.463G.20.135	SDAT40 x MLD20 - 135	203.4	135	59.3	20	56.5	M16 x 2.0P	2.50
66.463G.25.095	SDAT40 x MLD25 - 95	163.4	95	58.2	25	60	M16 x 2.0P	2.00
66.463G.32.105	SDAT40 x MLD32 - 105	173.4	105	71.7	32	71	M16 x 2.0P	2.70
66.463G.32.135	SDAT40 x MLD32 - 135	203.4	135	71.7	32	71	M16 x 2.0P	3.00
67.463G.12.075	SDAT50 x MLD12 - 75	176.75	75	46.7	12	42	M12 x 1.75P	3.20
67.463G.16.075	SDAT50 x MLD16 - 75	176.75	75	56.7	16	48	M12 x 1.75P	3.20
67.463G.20.105	SDAT50 x MLD20 - 105	206.75	105	59.3	20	56.5	M16 x 2.0P	4.50
67.463G.20.150	SDAT50 x MLD20 - 150	251.75	150	59.3	20	56.5	M16 x 2.0P	4.90
67.463G.25.105	SDAT50 x MLD25 - 105	206.75	105	58.2	25	60	M24 x 3.0P	4.10
67.463G.32.105	SDAT50 x MLD32 - 105	206.75	105	71.7	32	71	M24 x 3.0P	5.10
67.463G.32.135	SDAT50 x MLD32 - 135	236.75	135	71.7	32	71	M24 x 3.0P	5.90
67.463G.42.115	SDAT50 x MLD42 - 115	216.75	115	84.8	42	90	M24 x 3.0P	5.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

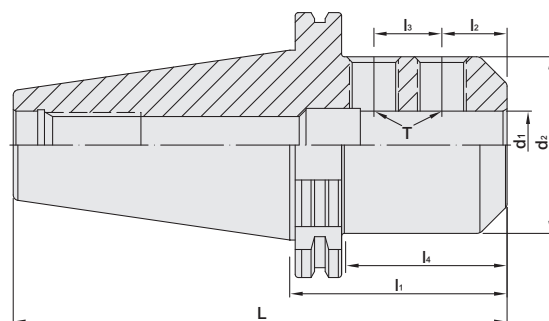
Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-63	P.W-88	P.W-71~72	P.W-73

SDAT / SLN SIDE LOCK END MILL HOLDER



SDAT / SLN 法蘭加厚型側固式立銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
66.653.06.050	SDAT40 x SLN6 - 50	118.4	50	18	-	27	6	25	M6 x 1.0P	0.85
66.653.08.050	SDAT40 x SLN8 - 50	118.4	50	18	-	27	8	28	M8 x 1.25P	1.00
66.653.10.050	SDAT40 x SLN10 - 50	118.4	50	20	-	27	10	35	M10 x 1.5P	1.10
66.653.12.050	SDAT40 x SLN12 - 50	118.4	50	22.5	-	30	12	42	M12 x 1.75P	1.15
66.653.16.063	SDAT40 x SLN16 - 63	131.4	63	24	-	43	16	48	M14 x 2.0P	1.40
66.653.20.063	SDAT40 x SLN20 - 63	131.4	63	25	-	43	20	52	M16 x 2.0P	1.30
66.653.25.100	SDAT40 x SLN25 - 100	168.4	100	24	25	80	25	65	M18 x 2.0P	2.40
66.653.32.100	SDAT40 x SLN32 - 100	168.4	100	24	28	80	32	72	M20 x 2.0P	2.70
67.653.06.063	SDAT50 x SLN6 - 63	164.75	63	18	-	33	6	25	M6 x 1.0P	3.10
67.653.08.063	SDAT50 x SLN8 - 63	164.75	63	18	-	33	8	28	M6 x 1.0P	3.10
67.653.10.063	SDAT50 x SLN10 - 63	164.75	63	20	-	33	10	35	M10 x 1.5P	3.30
67.653.12.063	SDAT50 x SLN12 - 63	164.75	63	22.5	-	40	12	42	M12 x 1.75P	3.50
67.653.16.063	SDAT50 x SLN16 - 63	164.75	63	24	-	40	16	48	M14 x 2.0P	3.45
67.653.20.063	SDAT50 x SLN20 - 63	164.75	63	25	-	40	20	52	M16 x 2.0P	3.50
67.653.25.080	SDAT50 x SLN25 - 80	181.75	80	24	25	59	25	65	M18 x 2.0P	4.20
67.653.32.100	SDAT50 x SLN32 - 100	201.75	100	24	28	78	32	72	M20 x 2.0P	5.00
67.653.40.100	SDAT50 x SLN40 - 100	201.75	100	30	32	80	40	90	M20 x 2.0P	5.60
67.653.42.100	SDAT50 x SLN42 - 100	201.75	100	30	32	80	42	90	M20 x 2.0P	5.70
67.653.50.125	SDAT50 x SLN50 - 125	226.75	125	35	35	105	50	100	M24 x 2.0P	5.90
67.653.63.150	SDAT50 x SLN63 - 150	251.75	150	40	40	130	63	125	M20 x 2.0P	6.20

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Lock Screw



P.W-63

P.W-90



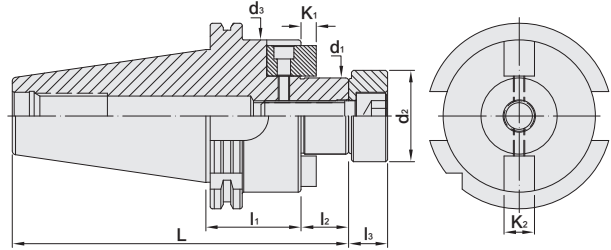
SDAT FACE MILL ARBOR

FMB TYPE

Dual
DRIVE+

SDAT / FMB 法蘭加厚型平面銑刀柄

(DIN 6357-B)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
66.153.22.035	SDAT40 x FMB22 - 35	122.4	35	19	14	22	26	48	5	10	1.20
66.153.27.060	SDAT40 x FMB27 - 60	148.4	60	20	16	27	31.5	58	5	12	1.80
66.153.32.060	SDAT40 x FMB32 - 60	150.4	60	22	16	32	41	66	6	14	2.30
66.153.40.060	SDAT40 x FMB40 - 60	153.4	60	25	20.5	40	48	80	8	16	2.80
67.153.22.035	SDAT50 x FMB22 - 35	155.75	35	19	14	22	26	48	5	10	3.40
67.153.27.035	SDAT50 x FMB27 - 35	156.75	35	20	16	27	31.5	58	5	12	3.50
67.153.32.035	SDAT50 x FMB32 - 35	158.75	35	22	16	32	41	66	6	14	3.70
67.153.40.050	SDAT50 x FMB40 - 50	176.75	50	25	20.5	40	48	80	8	16	4.70
67.153.50.060	SDAT50 x FMB50 - 60	191.75	60	30	25	50	68	95	10	19	5.80

МАШСЕРВИС

Features:

- ▶ d1 tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Screw



P.W-63

P.W-90

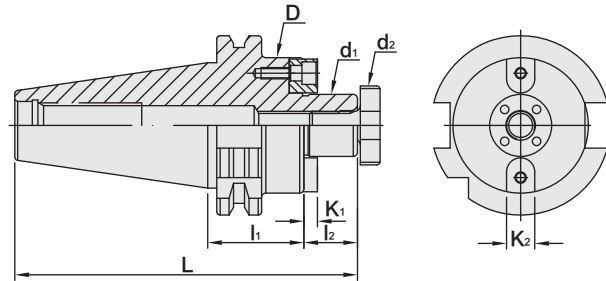
SDAT FACE MILL ARBOR

FMC TYPE

Dual
DRIVE+

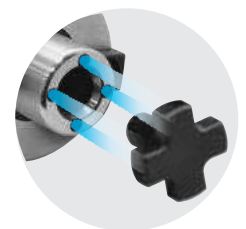
SDAT / FMC 法蘭加厚型平面銑刀柄

(DIN 6357-B)



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
66.157.16.050	SDAT40 x FMC16 - 50	135.4	50	17	40	16	40	5	8	1.27
66.157.22.050	SDAT40 x FMC22 - 50	137.5	50	19	50	22	50	4.8	10	1.45
66.157.27.060	SDAT40 x FMC27 - 60	149.4	60	21	60	27	58	5.8	12	1.57
66.157.32.060	SDAT40 x FMC32 - 60	152.4	60	24	78	32	78	6.8	14	1.87
67.157.16.050	SDAT50 x FMC16 - 50	168.75	50	17	40	16	40	5	8	3.05
67.157.22.050	SDAT50 x FMC22 - 50	170.75	50	19	50	22	50	4.8	10	3.07
67.157.27.050	SDAT50 x FMC27 - 50	172.75	50	21	60	27	60	5.8	12	3.10
67.157.32.060	SDAT50 x FMC32 - 60	185.75	60	24	78	23	78	6.8	14	3.65
67.157.40.070	SDAT50 x FMC40 - 70	198.75	70	27	89	40	89	8.3	16	4.25

МАШСЕРВИС



Features:

- ▶ d₁ tolerance: h6.

Product information:

- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SPANNER

Nut	Pull Stud	Spanner
		
P.W-67	P.W-63	P.W-67



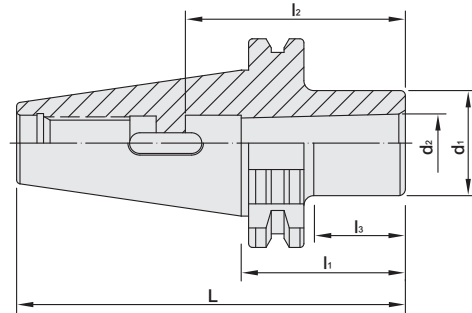
SDAT MORSE TAPER ADAPTER

TANG TYPE

Dual
DRIVE+

SDAT 法蘭加厚型斜柄鑽頭套筒

(DIN ISO 228-2 / 6383)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
66.465.01.050	SDAT40 x MTA1 - 50	118.4	50	56	22	25	12.065	1.20
66.465.02.050	SDAT40 x MTA2 - 50	118.4	50	67	27	32	17.78	1.00
66.465.03.070	SDAT40 x MTA3 - 70	138.4	70	84	47	40	23.825	1.10
66.465.04.095	SDAT40 x MTA4 - 95	163.4	95	107	74	48	31.267	1.35
67.465.01.045	SDAT50 x MTA1 - 45	146.75	45	56	22	25	12.065	3.00
67.465.02.060	SDAT50 x MTA2 - 60	161.75	60	67	35	32	17.78	3.10
67.465.03.065	SDAT50 x MTA3 - 65	166.75	65	84	40	40	23.825	3.20
67.465.04.095	SDAT50 x MTA4 - 95	196.75	95	107	70	48	31.267	3.40
67.465.05.105	SDAT50 x MTA5 - 105	206.75	105	135	80	63	44.399	3.60

МАШСЕРВИС

Features:

- ▶ The tools used for MTA are consistent with Morse Taper DIN 228 FORM B (with tang).

Pull Stud

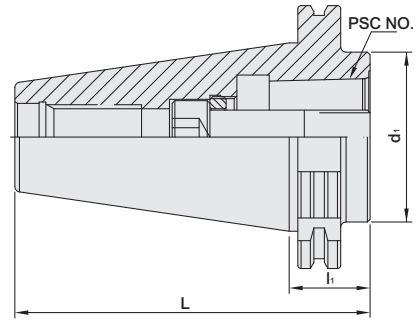


P.W-63

SDAT ADAPTER

Dual
DRIVE+

SDAT 法蘭加厚型套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
66.501.32.030	SDAT40 x PSC32 - 30	PSC32	98.4	30	32	M12 x 1.5P	45	33	1.40
66.501.40.040	SDAT40 x PSC40 - 40	PSC40	108.4	40	40	M14 x 1.5P	55	40	1.50
66.501.50.050	SDAT40 x PSC50 - 50	PSC50	118.4	50	50	M16 x 1.5P	95	70	1.60
66.501.63.090	SDAT40 x PSC63 - 90	PSC63	158.4	90	63	M20 x 2.0P	170	125	2.00
67.501.32.030	SDAT50 x PSC32 - 30	PSC32	131.75	30	32	M12 x 1.5P	45	33	4.20
67.501.40.030	SDAT50 x PSC40 - 30	PSC40	131.75	30	40	M14 x 1.5P	55	40	4.30
67.501.50.030	SDAT50 x PSC50 - 30	PSC50	131.75	30	50	M16 x 1.5P	95	70	4.40
67.501.63.030	SDAT50 x PSC63 - 30	PSC63	131.75	30	63	M20 x 2.0P	170	125	4.50
67.501.63.100	SDAT50 x PSC63 - 100	PSC63	201.75	100	63	M20 x 2.0P	170	125	5.00
67.501.63.150	SDAT50 x PSC63 - 150	PSC63	251.75	150	63	M20 x 2.0P	170	125	5.20
67.501.63.200	SDAT50 x PSC63 - 200	PSC63	301.75	200	63	M20 x 2.0P	170	125	5.40
67.501.63.250	SDAT50 x PSC63 - 250	PSC63	351.75	250	63	M20 x 2.0P	170	125	5.80
67.501.63.300	SDAT50 x PSC63 - 300	PSC63	401.75	300	63	M20 x 2.0P	170	125	6.20
67.501.80.050	SDAT50 x PSC80 - 50	PSC80	151.75	50	80	M20 x 2.0P	170	125	2.90
67.501.80.070	SDAT50 x PSC80 - 70	PSC80	171.75	70	80	M20 x 2.0P	170	125	3.30
67.501.80.100	SDAT50 x PSC80 - 100	PSC80	201.75	100	80	M20 x 2.0P	170	125	4.00
67.501.80.120	SDAT50 x PSC80 - 120	PSC80	221.75	120	80	M20 x 2.0P	170	125	4.70

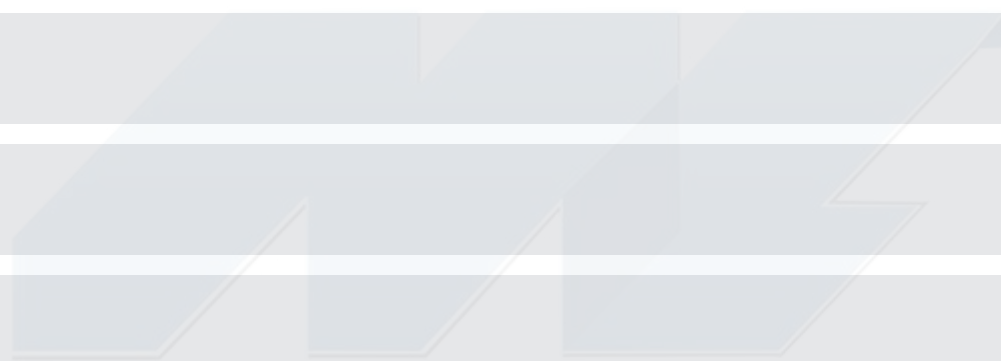
Pull Stud



P.W-63



MEMO



МАШСЕРВИС



HSK

CATEGORY

DIN 69893

A TYPE

PNR COLLET CHUCK	G-3~4
PTER COLLET CHUCK	G-5~6
PRO COLLET CHUCK	
UT COLLET CHUCK	G-7
ER COLLET CHUCK	G-8~10
SKX COLLET CHUCK	G-11~12
SK3 COLLET CHUCK	G-13
SKS COLLET CHUCK	G-14~15
SBL SLIM-FIT COLLET CHUCK	G-16
SBLC SLIM-FIT COLLET CHUCK	G-17
EBL SLIM-FIT COLLET CHUCK	G-18
MLD MULTI - LOCK MILLING CHUCK	G-19~20
EOC COLLET CHUCK	G-21
SLN SIDE LOCK END MILL HOLDER	G-22~24
SLN SIDE LOCK END MILL HOLDER [JIS TYPE]	G-25
SLN SIDE LOCK END MILL HOLDER [FID TYPE]	G-26~27
SLN SIDE LOCK END MILL HOLDER [JIS-FID TYPE]	G-28
SLNB SIDE LOCK END MILL HOLDER	G-29
FACE MILL ARBOR [FMB TYPE]	G-30~31
FACE MILL ARBOR [FMC TYPE]	G-32
COMBI SHELL END MILL ARBOR	G-33
SPH DRILL CHUCK ADAPTER	G-34
SPU DRILL CHUCK ADAPTER	G-35
SOM SCREWED END MILL HOLDER	G-36
MORSE TAPER ADAPTER	G-37
HSK / PSC ADAPTER	G-38
BLANK	G-39

E TYPE

PTER COLLET CHUCK	G-41
PRO COLLET CHUCK	
ER COLLET CHUCK	G-42
SKX COLLET CHUCK	G-43
SK3 COLLET CHUCK	G-44

F TYPE

ER COLLET CHUCK	G-46~47
SKX COLLET CHUCK	G-48

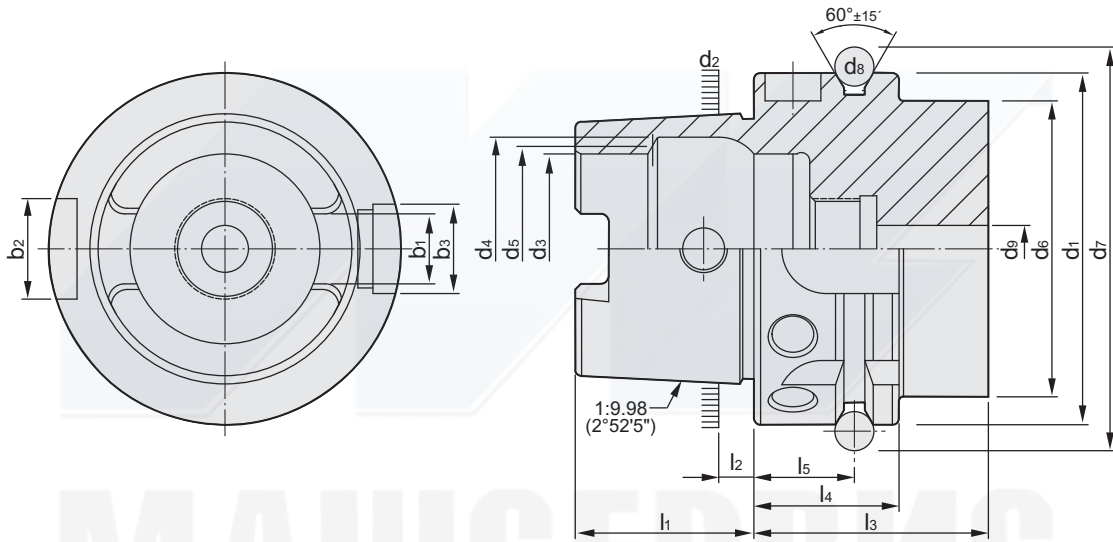
T TYPE

EXTERNAL TURNING TOOL	G-51~55
SIDE LOCK HOLDER	G-56~57
EXTERNAL TURNING TOOL HOLDER	G-57~59

REFERENCE DETAILS

DIN 69893 - A

- ▶ Shank body standard : **DIN 69893-1**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.6 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



FROM A

HSK	d ₁ h10	d ₂	d ₃ H10	d ₄ H11	d ₅	d ₆ max.	d ₇ 0 -0.1	d ₈	d ₉ max.
25	25	19.006	14	16.4	15	20	28.5	3	3
32	32	24.007	17	20.5	19	26	37	4	4.2
40	40	30.007	21	25.5	23	34	45	4	5
50	50	38.009	26	32	29	42	59.3	7	6.8
63	63	48.010	34	40	37	53	72.3	7	8.4
80	80	60.012	42	50	46	68	88.8	7	10.2
100	100	75.013	53	63	58	88	109.75	7	12
125	125	95.016	67	80	73	111	134.75	7	14
HSK	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1	b ₁ ±0.04	b ₂ H10	b ₃ H10	
25	13	2.5	20	10	4.5	6.05	6	7	
32	16	3.2	35	20	16	7.05	7	9	
40	20	4	35	20	16	8.05	9	11	
50	25	5	42	26	18	10.54	12	14	
63	32	6.3	42	26	18	12.54	16	18	
80	40	8	42	26	18	16.04	18	20	
100	50	10	45	29	20	20.02	20	22	
125	63	12.5	45	29	20	25.02	25	28	

HSK / PNER COLLET CHUCK

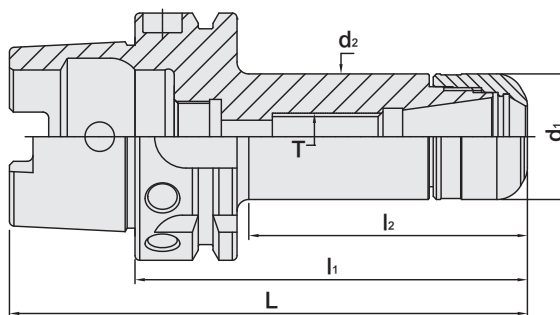


HSK / PNER 立銑刀夾頭

(DIN 69893-1)

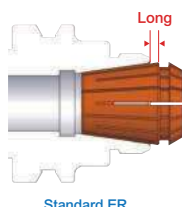
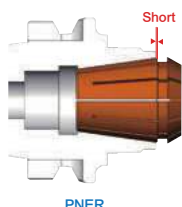
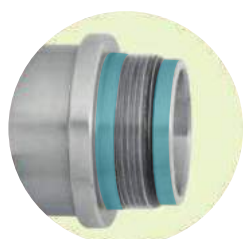


TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
35710	HSK32A x PNER16 - 50	66	50	29	30	26	-	3 ~ 10	0.14
35711	HSK32A x PNER20 - 60	76	60	39	32	26	-	3 ~ 13	0.24
35720	HSK40A x PNER16 - 60	80	60	37	30	30	-	3 ~ 10	0.36
35722	HSK40A x PNER20 - 60	80	60	38	32	32	-	3 ~ 13	0.37
35724	HSK40A x PNER25 - 60	80	60	39	40	34	-	3 ~ 16	0.47
35726	HSK40A x PNER32 - 70	90	70	35	50	50	-	3 ~ 20	0.57
35730	HSK50A x PNER16 - 60	85	60	31	30	30	-	3 ~ 10	0.54
35732	HSK50A x PNER20 - 60	85	60	31	32	32	-	3 ~ 13	0.55
35734	HSK50A x PNER25 - 60	85	60	33	40	40	-	3 ~ 16	0.65
35736	HSK50A x PNER32 - 70	95	70	42	50	42	-	3 ~ 20	0.75
35738	HSK50A x PNER40 - 80	105	80	38	63	63	-	6 ~ 26	0.85

MAШCEPВИC



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-5	P.W-45	P.W-66	P.W-66	P.W-88	P.W-68~73

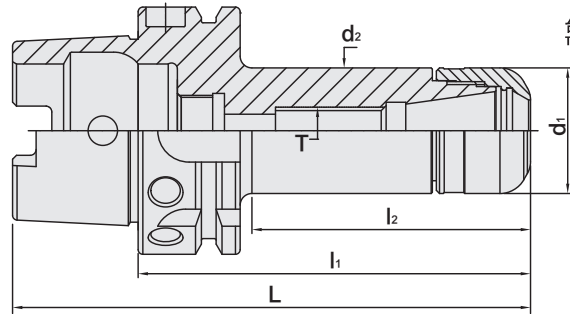


HSK / PNER COLLET CHUCK



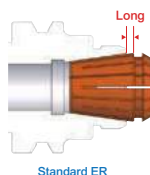
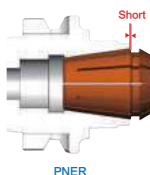
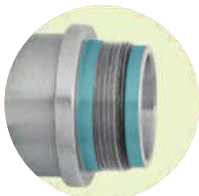
HSK / PNER 立銑刀夾頭

(DIN 69893-1)



TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
35742	HSK63A x PNER16 - 60	92	60	31	30	30	-	3 ~ 10	1.00
35742 - 100	HSK63A x PNER16 - 100	132	100	64	30	30	M10 x 1.5P	3 ~ 10	1.10
35742 - 130	HSK63A x PNER16 - 130	162	130	94	30	30	M10 x 1.5P	3 ~ 10	1.20
35742 - 160	HSK63A x PNER16 - 160	192	160	124	30	30	M10 x 1.5P	3 ~ 10	1.30
35744	HSK63A x PNER20 - 60	92	60	31	32	32	-	3 ~ 13	1.60
35744 - 100	HSK63A x PNER20 - 100	132	100	71	32	32	M12 x 1.75P	3 ~ 13	1.70
35744 - 130	HSK63A x PNER20 - 130	162	130	99	32	32	M12 x 1.75P	3 ~ 13	1.80
35744 - 160	HSK63A x PNER20 - 160	192	160	129	32	32	M12 x 1.75P	3 ~ 13	1.90
35746	HSK63A x PNER25 - 100	132	100	71	40	40	M16 x 2.0P	3 ~ 16	1.80
35746 - 130	HSK63A x PNER25 - 130	162	130	101	40	40	M16 x 2.0P	3 ~ 16	1.90
35746 - 160	HSK63A x PNER25 - 160	192	160	131	40	40	M16 x 2.0P	3 ~ 16	2.00
35748	HSK63A x PNER32 - 100	132	100	72	50	50	-	3 ~ 20	2.55
35748 - 130	HSK63A x PNER32 - 130	162	130	101	50	50	M16 x 2.0P	3 ~ 20	2.65
35748 - 160	HSK63A x PNER32 - 160	192	160	131	50	50	M16 x 2.0P	3 ~ 20	2.75
35750	HSK63A x PNER40 - 100	132	100	58	63	63	M20 x 2.0P	6 ~ 26	2.65
35750 - 130	HSK63A x PNER40 - 130	162	130	88	63	63	M20 x 2.0P	6 ~ 26	2.75
35750 - 160	HSK63A x PNER40 - 160	192	160	118	63	63	M20 x 2.0P	6 ~ 26	2.85
35760	HSK80A x PNER32 - 100	140	100	69	50	50	-	3 ~ 20	3.10
35762	HSK80A x PNER40 - 120	160	120	91	63	63	M20 x 2.0P	6 ~ 26	3.12
35766	HSK100A x PNER16 - 100	150	100	61	30	30	M10 x 1.5P	3 ~ 10	2.90
35768	HSK100A x PNER20 - 100	150	100	61	32	32	-	3 ~ 13	3.00
35770	HSK100A x PNER25 - 100	150	100	61	40	40	M16 x 2.0P	3 ~ 16	3.10
35772	HSK100A x PNER32 - 100	150	100	61	50	50	-	3 ~ 20	3.15
35774	HSK100A x PNER40 - 100	150	100	61	63	63	-	6 ~ 26	3.31



Features:

- ▶ PN collet is well covered in PNER tool holder, improving overall runout accuracy and the machining stability.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PN 3µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-5	P.W-45	P.W-66	P.W-66	P.W-88	P.W-68~73

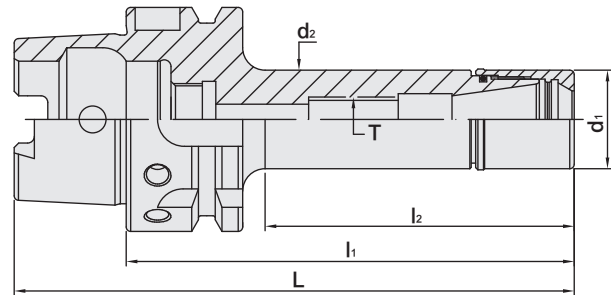


HSK / PTER COLLET CHUCK



HSK / PTER 立銑刀夾頭

[DIN 69893-1]



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
35816	HSK32A x PTER16 - 50	66	50	28	22	22	-	3 ~ 10	0.16
35818	HSK32A x PTER20 - 60	76	60	39	28	26	-	3 ~ 13	0.22
35820	HSK32A x PTER25 - 65	81	65	44	35	34	-	3 ~ 16	0.26
35826	HSK40A x PTER16 - 50	70	50	29	22	22	-	3 ~ 10	0.24
35828	HSK40A x PTER20 - 55	75	55	34	28	28	-	3 ~ 13	0.28
35830	HSK40A x PTER25 - 65	85	65	44	35	34	-	3 ~ 16	0.37
35834	HSK50A x PTER11 - 46	71	46	19.5	16	16	-	3 ~ 7	0.40
35834 - 70	HSK50A x PTER11 - 70	95	70	39	16	16	M6 x 1.0P	3 ~ 7	0.43
35834 - 100	HSK50A x PTER11 - 100	125	100	64	16	16	M6 x 1.0P	3 ~ 7	0.48
35834 - 125	HSK50A x PTER11 - 125	150	125	84	16	16	M6 x 1.0P	3 ~ 7	0.53
35834 - 150	HSK50A x PTER11 - 150	175	150	109	16	16	M6 x 1.0P	3 ~ 7	0.56
35836	HSK50A x PTER16 - 70	95	70	39	22	22	-	3 ~ 10	0.46
35836 - 100	HSK50A x PTER16 - 100	125	100	69	22	22	M10 x 1.5P	3 ~ 10	0.54
35836 - 125	HSK50A x PTER16 - 125	150	125	94	22	22	M10 x 1.5P	3 ~ 10	0.61
35836 - 150	HSK50A x PTER16 - 150	175	150	119	22	22	M10 x 1.5P	3 ~ 10	0.68
35838 - 70	HSK50A x PTER20 - 70	95	70	39	28	28	-	3 ~ 13	0.52
35838 - 100	HSK50A x PTER20 - 100	125	100	69	28	28	M12 x 1.75P	3 ~ 13	0.63
35838 - 125	HSK50A x PTER20 - 125	150	125	94	28	28	M12 x 1.75P	3 ~ 13	0.75
35838 - 150	HSK50A x PTER20 - 150	175	150	119	28	28	M12 x 1.75P	3 ~ 13	0.86

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-5	P.W-47	P.W-66	P.W-66	P.W-88	P.W-68~73

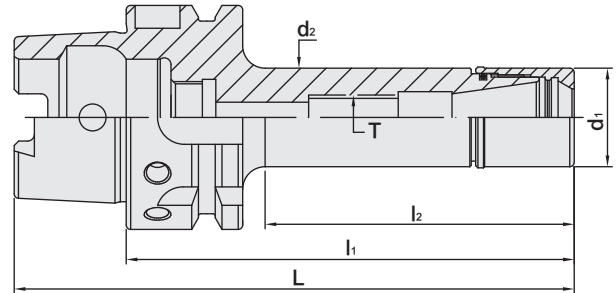


HSK / PTER COLLET CHUCK



HSK / PTER 立銑刀夾頭

(DIN 69893-1)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
35844	HSK63A x PTER11 - 70	102	70	39	16	16	M6 x 1.0P	3 ~ 7	0.68
35844 - 100	HSK63A x PTER11 - 100	132	100	64	16	16	M6 x 1.0P	3 ~ 7	0.73
35844 - 125	HSK63A x PTER11 - 125	157	125	84	16	16	M6 x 1.0P	3 ~ 7	0.77
35844 - 150	HSK63A x PTER11 - 150	182	150	109	16	16	M6 x 1.0P	3 ~ 7	0.81
35846	HSK63A x PTER16 - 70	102	70	39	22	22	-	3 ~ 10	0.71
35846 - 100	HSK63A x PTER16 - 100	132	100	69	22	22	M10 x 1.5P	3 ~ 10	0.79
35846 - 125	HSK63A x PTER16 - 125	157	125	89	22	22	M10 x 1.5P	3 ~ 10	0.86
35846 - 150	HSK63A x PTER16 - 150	182	150	114	22	22	M10 x 1.5P	3 ~ 10	0.92
35848	HSK63A x PTER20 - 70	102	70	39	28	28	-	3 ~ 13	0.76
35848 - 100	HSK63A x PTER20 - 100	132	100	69	28	28	M12 x 1.75P	3 ~ 13	0.88
35848 - 125	HSK63A x PTER20 - 125	157	125	89	28	28	M12 x 1.75P	3 ~ 13	1.00
35848 - 150	HSK63A x PTER20 - 150	182	150	114	28	28	M12 x 1.75P	3 ~ 13	1.11

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PN-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-5	P.W-47	P.W-66	P.W-66	P.W-88	P.W-68~73

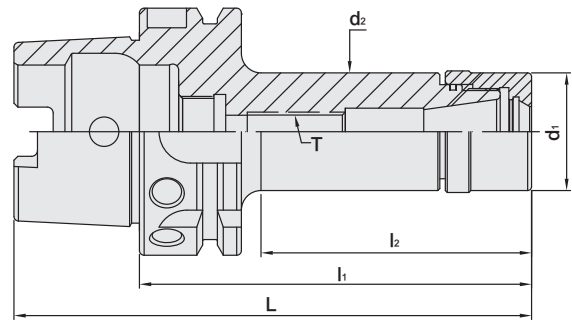


HSK / UT COLLET CHUCK



HSK / UT 立銑刀夾頭

(DIN 69893-1)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
70.753.16.060	HSK32A x UT16 - 60	76	60	40	30	26	-	1 ~ 10	0.22
70.753.20.070	HSK32A x UT20 - 70	86	70	35	35	36	-	1 ~ 13	0.28
71.753.16.060	HSK40A x UT16 - 60	80	60	38	30	30	-	1 ~ 10	0.31
71.753.20.065	HSK40A x UT20 - 65	85	65	44	48	34	-	1 ~ 13	0.36
72.753.20.060	HSK50A x UT20 - 60	85	60	33	35	36	-	1 ~ 13	0.49
72.753.25.060	HSK50A x UT25 - 60	92	60	34	42	42	-	1 ~ 16	0.51
72.753.25.070	HSK50A x UT25 - 70	102	70	44	42	42	-	1 ~ 16	0.60
72.753.25.100	HSK50A x UT25 - 100	132	100	74	42	42	M16 x 2.0P	1 ~ 16	0.85
72.753.32.075	HSK50A x UT32 - 75	100	75	33	48	42	-	2 ~ 20	0.69
73.753.16.080	HSK63A x UT16 - 80	112	80	49	30	30	M10 x 1.5P	1 ~ 10	0.86
73.753.16.100	HSK63A x UT16 - 100	132	100	69	30	30	M10 x 1.5P	1 ~ 10	0.96
73.753.16.120	HSK63A x UT16 - 120	152	120	89	30	30	M10 x 1.5P	1 ~ 10	1.06
73.753.16.160	HSK63A x UT16 - 160	192	160	124	30	30	M10 x 1.5P	1 ~ 10	1.28
73.753.20.080	HSK63A x UT20 - 80	112	80	49	35	36	M12 x 1.75P	1 ~ 13	0.94
73.753.20.100	HSK63A x UT20 - 100	132	100	69	35	36	M12 x 1.75P	1 ~ 13	1.08
73.753.20.120	HSK63A x UT20 - 120	152	120	89	35	36	M12 x 1.75P	1 ~ 13	1.23
73.753.20.160	HSK63A x UT20 - 160	192	160	129	35	36	M12 x 1.75P	1 ~ 13	1.53
73.753.25.080	HSK63A x UT25 - 80	112	80	49	42	42	M16 x 2.0P	1 ~ 16	1.06
73.753.25.100	HSK63A x UT25 - 100	132	100	69	42	42	M16 x 2.0P	1 ~ 16	1.24
73.753.25.120	HSK63A x UT25 - 120	152	120	89	42	42	M16 x 2.0P	1 ~ 16	1.41
73.753.25.145	HSK63A x UT25 - 145	177	145	114	42	42	M16 x 2.0P	1 ~ 16	1.66
73.753.25.160	HSK63A x UT25 - 160	192	160	129	42	42	M16 x 2.0P	1 ~ 16	1.81
73.753.32.080	HSK63A x UT32 - 80	112	80	52	48	48	-	2 ~ 20	1.13
73.753.32.100	HSK63A x UT32 - 100	132	100	72	48	48	M16 x 2.0P	2 ~ 20	1.33
73.753.32.120	HSK63A x UT32 - 120	152	120	92	48	48	M16 x 2.0P	2 ~ 20	1.59
73.753.32.145	HSK63A x UT32 - 145	177	145	117	48	48	M16 x 2.0P	2 ~ 20	1.91
73.753.32.160	HSK63A x UT32 - 160	192	160	132	48	48	M16 x 2.0P	2 ~ 20	2.11

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-66	P.W-66	P.W-88	P.W-68~73

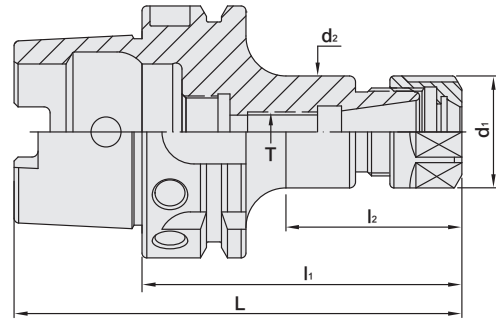


HSK / ER COLLET CHUCK



HSK / ER 立銑刀夾頭

(DIN 69893-1)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
31378	HSK40A x ER20A - 80	100	80	59	34	32	M10 x 1.5P	1 ~ 13	0.35
31384	HSK40A x ER25 - 80	100	80	59	42	32	M10 x 1.5P	1 ~ 16	0.40
31402	HSK50A x ER16A - 80	105	80	49	28	28	M10 x 1.5P	1 ~ 10	0.50
31404	HSK50A x ER16A - 100	125	100	71	28	28	M10 x 1.5P	1 ~ 10	0.55
31406	HSK50A x ER16A - 120	145	120	91	28	28	M10 x 1.5P	1 ~ 10	0.70
31408	HSK50A x ER20A - 80	105	80	53	34	34	M12 x 1.75P	1 ~ 13	0.60
31410	HSK50A x ER20A - 100	125	100	71	34	34	M12 x 1.75P	1 ~ 13	0.65
31412	HSK50A x ER20A - 120	145	120	91	34	34	M12 x 1.75P	1 ~ 13	0.70
31414	HSK50A x ER25 - 80	105	80	53	42	40	M16 x 2.0P	1 ~ 16	0.70
31416	HSK50A x ER25 - 100	125	100	73	42	42	M16 x 2.0P	1 ~ 16	0.80
31418	HSK50A x ER25 - 135	160	135	108	42	42	M16 x 2.0P	1 ~ 16	0.90
31420	HSK50A x ER32 - 100	125	100	73	50	50	M16 x 2.0P	2 ~ 20	1.35
31422	HSK50A x ER32 - 135	160	135	108	50	50	M16 x 2.0P	2 ~ 20	1.50
31424	HSK50A x ER32 - 160	185	160	133	50	50	M16 x 2.0P	2 ~ 20	1.70

МАШГЕРБИС

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-66	P.W-66	P.W-88	P.W-68~73

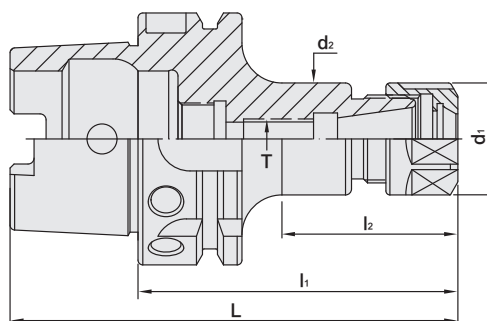


HSK / ER COLLET CHUCK



HSK / ER 立銑刀夾頭

(DIN 69893-1)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
31432	HSK63A x ER16A - 80	112	80	44	28	28	M10 x 1.5P	1 ~ 10	1.00
31434	HSK63A x ER16A - 100	132	100	64	28	28	M10 x 1.5P	1 ~ 10	1.10
31436	HSK63A x ER16A - 120	152	120	84	28	28	M10 x 1.5P	1 ~ 10	1.70
31438	HSK63A x ER16A - 160	192	160	124	28	28	M10 x 1.5P	1 ~ 10	1.90
31440	HSK63A x ER20A - 80	112	80	49	34	34	M12 x 1.75P	1 ~ 13	1.60
31442	HSK63A x ER20A - 100	132	100	66	34	34	M12 x 1.75P	1 ~ 13	1.70
31444	HSK63A x ER20A - 120	152	120	91	34	34	M12 x 1.75P	1 ~ 13	1.80
31446	HSK63A x ER20A - 160	192	160	131	34	34	M12 x 1.75P	1 ~ 13	2.00
31448	HSK63A x ER25 - 80	112	80	49	42	42	M16 x 2.0P	1 ~ 16	1.70
31450	HSK63A x ER25 - 100	132	100	69	42	42	M16 x 2.0P	1 ~ 16	1.80
31452	HSK63A x ER25 - 120	152	120	89	42	42	M16 x 2.0P	1 ~ 16	2.00
31454	HSK63A x ER25 - 150	182	150	119	42	42	M16 x 2.0P	1 ~ 16	2.30
31456	HSK63A x ER32 - 80	112	80	53	50	50	-	2 ~ 20	1.44
31462	HSK63A x ER32 - 100	132	100	72	50	50	M16 x 2.0P	2 ~ 20	2.55
31464	HSK63A x ER32 - 145	177	145	118	50	50	M16 x 2.0P	2 ~ 20	2.70
31466	HSK63A x ER32 - 160	192	160	133	50	50	M16 x 2.0P	2 ~ 20	3.10
31468	HSK63A x ER40 - 80	112	80	53	63	52	-	3 ~ 26	2.65
31470	HSK63A x ER40 - 100	132	100	58	63	60	M20 x 2.0P	3 ~ 26	1.66
31472	HSK63A x ER40 - 120	152	120	78	63	60	M20 x 2.0P	3 ~ 26	2.77
31474	HSK63A x ER40 - 150	182	150	108	63	60	M20 x 2.0P	3 ~ 26	2.95
31476	HSK63A x ER40 - 170	202	170	128	63	60	M20 x 2.0P	3 ~ 26	3.10
31478	HSK63A x ER50 - 120	152	120	78	78	60	M24 x 2.0P	6 ~ 34	3.50

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-66	P.W-66	P.W-88	P.W-68~73

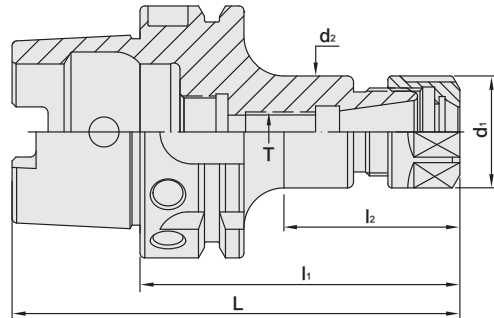


HSK / ER COLLET CHUCK



HSK / ER 立銑刀夾頭

(DIN 69893-1)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
31482	HSK100A x ER16A - 80	130	80	41	28	28	M10 x 1.5P	1 ~ 10	2.90
31484	HSK100A x ER16A - 100	150	100	61	28	28	M10 x 1.5P	1 ~ 10	2.95
31486	HSK100A x ER16A - 160	210	160	116	28	28	M10 x 1.5P	1 ~ 10	3.45
31488	HSK100A x ER20A - 80	130	80	41	34	34	M12 x 1.75P	1 ~ 13	2.90
31490	HSK100A x ER20A - 100	150	100	61	34	34	M12 x 1.75P	1 ~ 13	3.00
31492	HSK100A x ER20A - 160	210	160	121	34	34	M12 x 1.75P	1 ~ 13	3.30
31494	HSK100A x ER25 - 100	150	100	61	42	42	M16 x 2.0P	1 ~ 16	3.00
31496	HSK100A x ER25 - 130	180	130	96	42	42	M16 x 2.0P	1 ~ 16	3.20
31498	HSK100A x ER32 - 100	150	100	61	50	50	M16 x 2.0P	2 ~ 20	3.15
31500	HSK100A x ER32 - 135	185	135	96	50	50	M16 x 2.0P	2 ~ 20	3.35
31502	HSK100A x ER32 - 150	200	150	116	50	50	M16 x 2.0P	2 ~ 20	3.50
31504	HSK100A x ER40 - 80	130	80	46	63	62	-	3 ~ 26	3.30
31506	HSK100A x ER40 - 120	170	120	86	63	63	M20 x 2.0P	3 ~ 26	3.38
31508	HSK100A x ER40 - 175	225	175	141	63	60	M20 x 2.0P	3 ~ 26	4.20
31510	HSK100A x ER50 - 100	150	100	68	78	78	-	5 ~ 34	4.50
31512	HSK100A x ER50 - 120	170	120	88	78	64	M24 x 2.0P	5 ~ 34	5.00
31523 - 100	HSK125A x ER25 - 100	163	100	45	42	42	-	1 ~ 16	4.43
31523 - 130	HSK125A x ER25 - 130	193	130	75	42	42	M16 x 2.0P	1 ~ 16	4.71
31523 - 160	HSK125A x ER25 - 160	223	160	85	42	42	M16 x 2.0P	1 ~ 16	5.67
31523 - 200	HSK125A x ER25 - 200	263	200	125	42	42	M16 x 2.0P	1 ~ 16	6.92
31524	HSK125A x ER32 - 100	163	100	45	50	50	-	2 ~ 20	4.59
31524 - 130	HSK125A x ER32 - 130	193	130	75	50	50	M16 x 2.0P	2 ~ 20	5.01
31524 - 160	HSK125A x ER32 - 160	223	160	85	50	50	M16 x 2.0P	2 ~ 20	6.02
31524 - 200	HSK125A x ER32 - 200	263	200	125	50	50	M16 x 2.0P	2 ~ 20	7.40
31525 - 100	HSK125A x ER40 - 100	163	100	45	63	60	-	3 ~ 26	4.80
31525 - 130	HSK125A x ER40 - 130	193	130	75	63	60	M20 x 2.0P	3 ~ 26	5.40
31525 - 160	HSK125A x ER40 - 160	223	160	85	63	60	M20 x 2.0P	3 ~ 26	6.47
31525 - 200	HSK125A x ER40 - 200	263	200	125	63	60	M20 x 2.0P	3 ~ 26	8.01

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-66	P.W-66	P.W-88	P.W-68~73



HSK / SKX COLLET CHUCK

5μm



HSK / SKX 立銑刀夾頭

(DIN 69893-1)



Fig.1

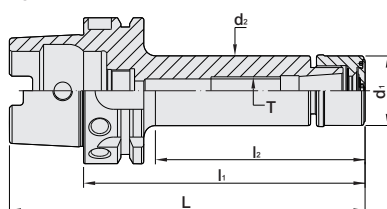
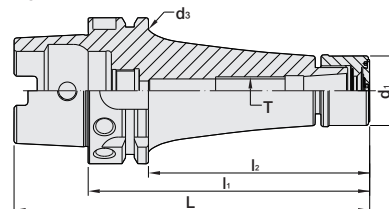


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
71.790.06.060	HSK40A x SKX6 - 60	80	60	35	18	18	-	M8 x 1.25P	3 ~ 6	1	0.25
71.790.10.075	HSK40A x SKX10 - 75	95	75	53	30	30	-	M12 x 1.75P	3 ~ 10	1	0.38
71.790.16.080	HSK40A x SKX16 - 80	100	80	58	40	40	-	-	3 ~ 16	1	0.44
72.790.06.060	HSK50A x SKX6 - 60	85	60	29	18	18	-	-	3 ~ 6	1	0.41
72.790.06.080	HSK50A x SKX6 - 80	105	80	49	18	18	-	M8 x 1.25P	3 ~ 6	1	0.44
72.790.10.060	HSK50A x SKX10 - 60	85	60	29	30	30	-	-	3 ~ 10	1	0.47
72.790.10.090	HSK50A x SKX10 - 90	115	90	59	30	30	-	M12 x 1.75P	3 ~ 10	1	0.61
72.790.13.070	HSK50A x SKX13 - 70	95	70	43	35	33	-	-	3 ~ 13	1	0.90
72.790.13.105	HSK50A x SKX13 - 105	130	105	76	35	33	-	M12 x 1.75P	3 ~ 13	1	1.20
72.790.16.080	HSK50A x SKX16 - 80	105	80	53	40	40	-	-	3 ~ 16	1	0.63
72.790.16.105	HSK50A x SKX16 - 105	130	105	78	40	40	-	M18 x 1.5P	3 ~ 16	1	0.83
73.790.06.060	HSK63A x SKX6 - 60	92	60	29	18	18	-	-	3 ~ 6	1	0.66
73.790.06.100	HSK63A x SKX6 - 100	132	100	69	18	18	-	M8 x 1.25P	3 ~ 6	1	0.70
73.790.06.120	HSK63A x SKX6 - 120	152	120	94	18	18	53	M8 x 1.25P	3 ~ 6	2	1.08
73.790.10.060	HSK63A x SKX10 - 60	92	60	29	30	30	-	-	3 ~ 10	1	0.72
73.790.10.105	HSK63A x SKX10 - 105	137	105	74	30	30	-	M12 x 1.75P	3 ~ 10	1	0.93
73.790.10.120	HSK63A x SKX10 - 120	152	120	94	30	30	53	M12 x 1.75P	3 ~ 10	2	1.23
73.790.13.070	HSK63A x SKX13 - 70	102	70	43	35	33	-	-	3 ~ 13	1	0.90
73.790.13.105	HSK63A x SKX13 - 105	137	105	74	35	33	-	M12 x 1.75P	3 ~ 13	1	1.20
73.790.13.120	HSK63A x SKX13 - 120	152	120	89	35	33	-	M12 x 1.75P	3 ~ 13	2	1.50
73.790.16.080	HSK63A x SKX16 - 80	112	80	49	40	40	-	-	3 ~ 16	1	0.89
73.790.16.105	HSK63A x SKX16 - 105	137	105	74	40	40	-	M12 x 1.75P	3 ~ 16	1	1.07
73.790.16.120	HSK63A x SKX16 - 120	152	120	94	40	40	53	M18 x 1.5P	3 ~ 16	2	1.29
73.790.20.090	HSK63A x SKX20 - 90	122	90	51	48.5	48.5	-	-	3 ~ 20	1	1.14
73.790.20.105	HSK63A x SKX20 - 105	137	105	66	48.5	48.5	-	-	3 ~ 20	1	1.34
73.790.20.135	HSK63A x SKX20 - 135	167	135	96	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.67
73.790.25.090	HSK63A x SKX25 - 90	122	90	63	55	52	-	-	3 ~ 25.4	1	1.09
73.790.25.135	HSK63A x SKX25 - 135	167	135	108	55	52	-	M28 x 2.0P	3 ~ 25.4	1	1.78

Features:

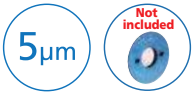
- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-88	P.W-68~73	P.W-72



HSK / SKX COLLET CHUCK



HSK / SKX 立銑刀夾頭

(DIN 69893-1)



Fig.1

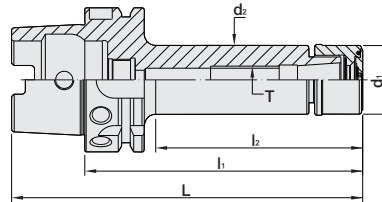
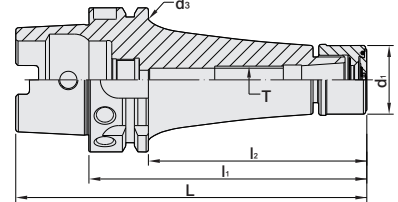
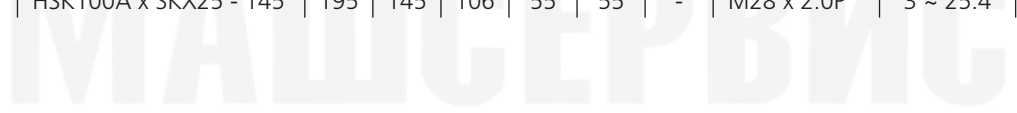


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
75.790.06.105	HSK100A x SKX6 - 105	155	105	61	18	18	-	M8 x 1.25P	3 ~ 6	1	2.08
75.790.10.105	HSK100A x SKX10 - 105	155	105	61	30	30	-	M12 x 1.75P	3 ~ 10	1	0.28
75.790.10.120	HSK100A x SKX10 - 120	170	120	76	30	30	-	M12 x 1.75P	3 ~ 10	1	2.35
75.790.10.150	HSK100A x SKX10 - 150	200	150	106	30	30	-	M12 x 1.75P	3 ~ 10	1	2.50
75.790.13.105	HSK100A x SKX13 - 105	155	105	71	35	33	-	M12 x 1.75P	3 ~ 13	1	2.70
79.790.13.120	HSK100A x SKX13 - 120	170	120	86	35	33	-	M12 x 1.75P	3 ~ 13	2	3.10
75.790.13.150	HSK100A x SKX13 - 150	200	150	88	35	33	45	M12 x 1.75P	3 ~ 13	2	3.40
75.790.16.105	HSK100A x SKX16 - 105	155	105	61	40	40	-	M18 x 1.5P	3 ~ 16	1	2.45
75.790.16.120	HSK100A x SKX16 - 120	170	120	76	40	40	-	M18 x 1.5P	3 ~ 16	1	2.56
75.790.16.150	HSK100A x SKX16 - 150	200	150	106	40	40	-	M18 x 1.5P	3 ~ 16	1	2.80
75.790.20.120	HSK100A x SKX20 - 120	170	120	81	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	2.80
75.790.20.150	HSK100A x SKX20 - 150	200	150	111	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	3.15
75.790.20.200	HSK100A x SKX20 - 200	250	200	171	48.5	48.5	88	M22 x 1.5P	3 ~ 20	2	4.82
75.790.25.120	HSK100A x SKX25 - 120	170	120	81	55	55	-	M28 x 2.0P	3 ~ 25.4	1	2.88
75.790.25.145	HSK100A x SKX25 - 145	195	145	106	55	55	-	M28 x 2.0P	3 ~ 25.4	1	3.21



Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-88	P.W-68~73	P.W-72

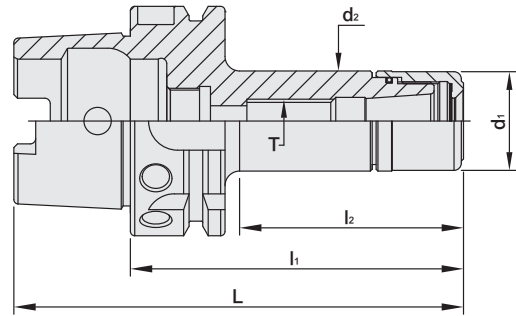


HSK / SK3 COLLET CHUCK

5 μ m

HSK / SK3 高速機專用夾頭

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
70.763.06.045	HSK32A x SK306 - 45	77	45	24	19.5	19.5	-	3 ~ 6	0.50
70.763.06.060	HSK32A x SK306 - 60	92	60	37	19.5	19.5	M8 x 1.25P	3 ~ 6	0.70
70.763.10.060	HSK32A x SK310 - 60	92	60	39	27.5	27.5	-	3 ~ 10	0.70
73.763.06.090	HSK63A x SK306 - 90	122	90	61	19.5	19.5	M8 x 1.25P	3 ~ 6	1.20
73.763.10.090	HSK63A x SK310 - 90	122	90	54	27.5	27.5	M12 x 1.75P	3 ~ 10	1.20
73.763.10.120	HSK63A x SK310 - 120	152	120	84	27.5	27.5	M12 x 1.75P	3 ~ 10	1.40
73.763.13.070	HSK63A x SK313 - 70	102	70	39	33	33	-	3 ~ 13	1.00
73.763.13.105	HSK63A x SK313 - 105	137	105	76	33	33	M12 x 1.75P	3 ~ 13	1.10
73.763.13.120	HSK63A x SK313 - 120	152	120	91	33	33	M12 x 1.75P	3 ~ 13	1.30
73.763.16.090	HSK63A x SK316 - 90	122	90	61	40	40	-	3 ~ 16	1.20
73.763.16.120	HSK63A x SK316 - 120	152	120	91	40	40	M18 x 1.5P	3 ~ 16	1.30
75.763.06.100	HSK100A x SK306 - 100	150	100	61	19.5	19.5	M8 x 1.25P	3 ~ 6	1.50
75.763.10.100	HSK100A x SK310 - 100	150	100	61	27.5	27.5	M12 x 1.75P	3 ~ 10	1.60
75.763.13.105	HSK100A x SK313 - 105	155	105	66	33	33	M12 x 1.75P	3 ~ 13	1.70
75.763.13.120	HSK100A x SK313 - 120	170	120	81	33	33	M12 x 1.75P	3 ~ 13	1.80
75.763.13.150	HSK100A x SK313 - 150	200	150	111	33	33	M12 x 1.75P	3 ~ 13	1.50
75.763.16.105	HSK100A x SK316 - 105	155	105	66	40	40	M18 x 1.5P	3 ~ 16	1.70

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	key	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-66	P.W-66	P.W-88	P.W-68~73

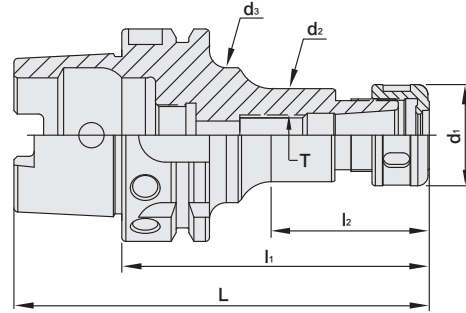


HSK / SKS COLLET CHUCK

5 μ m

HSK / SKS 高速機專用夾頭

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
35506	HSK50A x SKS6 - 90	115	90	44	18	18	32	M8 x 1.25P	3 ~ 6	0.80
35508	HSK50A x SKS6 - 120	145	120	74	18	18	32	M8 x 1.25P	3 ~ 6	1.00
35512	HSK50A x SKS10 - 90	115	90	45	30	27.6	40	M12 x 1.75P	3 ~ 10	0.80
35514	HSK50A x SKS10 - 120	145	120	75	30	27.6	40	M12 x 1.75P	3 ~ 10	1.00
35515	HSK50A x SKS13 - 70	95	70	43	35	33	-	-	3 ~ 13	0.90
35515 - 105	HSK50A x SKS13 - 105	130	105	76	35	33	-	M12 x 1.75P	3 ~ 13	1.20
35516	HSK50A x SKS16 - 90	115	90	63	40	40	-	M18 x 1.5P	3 ~ 16	1.00
35517	HSK50A x SKS16 - 120	145	120	93	40	40	-	M18 x 1.5P	3 ~ 16	1.20
35518	HSK50A x SKS20 - 90	115	90	48	48.5	48.5	-	-	3 ~ 20	1.00
35518 - 120	HSK50A x SKS20 - 120	145	120	78	48.5	48.5	-	M22x 1.5P	3 ~ 20	1.20
35519	HSK50A x SKS25 - 90	115	90	63	55	42	-	-	3 ~ 25.4	1.30
35520	HSK50A x SKS25 - 120	145	120	93	55	42	-	M28 x 2.0P	3 ~ 25.4	1.40

МАШСЕРВИС

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply Unit	key	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-66	P.W-66	P.W-88	P.W-68~73

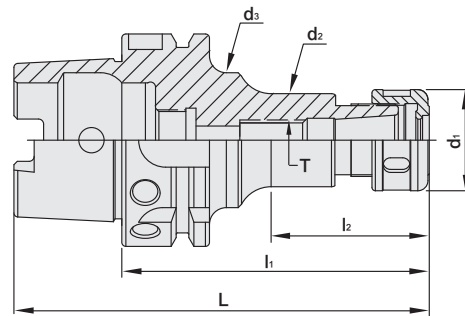


HSK / SKS COLLET CHUCK

5 μ m

HSK / SKS 高速機專用夾頭

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
35521	HSK63A x SKS6 - 90	122	90	44	18	18	32	M8 x 1.25P	3 ~ 6	1.00
35522	HSK63A x SKS10 - 90	122	90	45	30	27.6	40	M12 x 1.75P	3 ~ 10	1.00
35524	HSK63A x SKS10 - 120	152	120	75	30	27.6	40	M12 x 1.75P	3 ~ 10	1.80
35525	HSK63A x SKS13 - 70	102	70	43	35	33	-	-	3 ~ 13	0.90
35525 - 105	HSK63A x SKS13 - 105	137	105	74	35	33	-	M12 x 1.75P	3 ~ 13	1.20
35525 - 120	HSK63A x SKS13 - 120	152	120	89	35	33	-	M12 x 1.75P	3 ~ 13	1.50
35526	HSK63A x SKS16 - 90	122	90	59	40	40	-	M18 x 1.5P	3 ~ 16	2.00
35528	HSK63A x SKS16 - 120	152	120	89	40	40	-	M18 x 1.5P	3 ~ 16	2.20
35530	HSK63A x SKS20 - 90	122	90	63	48.5	48.5	-	-	3 ~ 20	1.40
35530 - 105	HSK63A x SKS20 - 105	137	105	78	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.60
35530 - 120	HSK63A x SKS20 - 120	152	120	93	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1.80
35530 - 135	HSK63A x SKS20 - 135	167	135	108	48.5	48.5	-	M22 x 1.5P	3 ~ 20	2.00
35536	HSK63A x SKS25 - 90	122	90	63	55	52	-	-	3 ~ 25.4	2.20
35538	HSK63A x SKS25 - 120	152	120	93	55	52	-	M28 x 2.0P	3 ~ 25.4	2.30
35550	HSK100A x SKS6 - 100	150	100	44	18	18	32	M8 x 1.25P	3 ~ 6	1.20
35552	HSK100A x SKS10 - 100	150	100	45	30	27.6	40	M12 x 1.75P	3 ~ 10	2.60
35553	HSK100A x SKS13 - 105	155	105	71	35	33	-	M12 x 1.75P	3 ~ 13	2.70
35553 - 120	HSK100A x SKS13 - 120	170	120	86	35	33	-	M12 x 1.75P	3 ~ 13	3.10
35553 - 150	HSK100A x SKS13 - 150	200	150	88	35	33	45	M12 x 1.75P	3 ~ 13	3.40
35554	HSK100A x SKS16 - 105	155	105	66	40	40	-	M18 x 1.5P	3 ~ 16	2.70
35555	HSK100A x SKS20 - 120	170	120	86	48.5	48.5	-	M22 x 1.5P	3 ~ 20	3.10
35555 - 150	HSK100A x SKS20 - 150	200	150	116	48.5	48.5	-	M22 x 1.5P	3 ~ 20	3.50
35555 - 200	HSK100A x SKS20 - 200	250	200	166	48.5	48.5	-	M22 x 1.5P	3 ~ 20	4.20
35556	HSK100A x SKS25 - 120	170	120	81	55	52	-	M28 x 2.0P	3 ~ 25.4	3.40

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

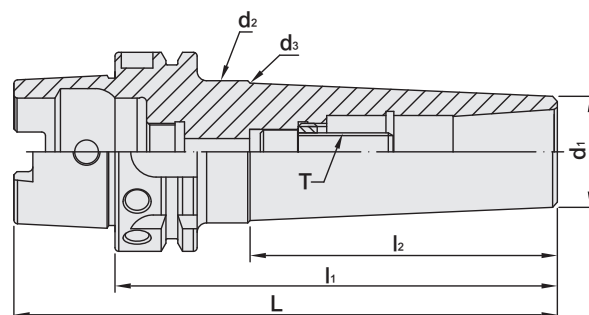
Collet	Nut	Coolant Supply Unit	key	Preset Screw	Spanner
P.W-29~32	P.W-53~54	P.W-66	P.W-66	P.W-88	P.W-68~73



HSK / SBL SLIM-FIT COLLET CHUCK

HSK / SBL 後拉式立銑刀夾頭

(DIN 69893-1)



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
									N.m	1bf-ft		
35452	HSK50A x SBL6 - 80	105	80	44	14	18	-	M6 x 1.0P	12	9	3 ~ 6	1.40
35454	HSK50A x SBL6 - 120	145	120	84	14	22	-	M6 x 1.0P	12	9	3 ~ 6	1.50
35456	HSK50A x SBL12 - 110	135	110	65	26	42	36	M10 x 1.5P	45	33	3 ~ 12	1.50
35458	HSK50A x SBL12 - 130	155	130	86	26	42	39	M10 x 1.5P	45	33	3 ~ 12	1.85
35460	HSK50A x SBL20 - 120	145	120	93	35	42	-	M12 x 1.75P	60	44	3 ~ 20	1.80
35462	HSK50A x SBL20 - 150	175	150	123	35	42	-	M12 x 1.75P	60	44	3 ~ 20	2.00
35470	HSK63A x SBL6 - 80	112	80	39	14	18	-	M6 x 1.0P	12	9	3 ~ 6	1.70
35472	HSK63A x SBL6 - 120	152	120	79	14	22	-	M6 x 1.0P	12	9	3 ~ 6	1.90
35474 - 130	HSK63A x SBL8 - 130	162	130	94.6	20	29.8	-	M8 x 1.25P	29	21	3 ~ 8	0.99
35474 - 150	HSK63A x SBL8 - 150	182	150	114.6	20	32.0	-	M8 x 1.25P	29	21	3 ~ 8	1.11
35476	HSK63A x SBL12 - 110	142	110	79	26	37	-	M10 x 1.5P	45	33	3 ~ 12	1.80
35478	HSK63A x SBL12 - 150	182	150	119	26	42	-	M10 x 1.5P	45	33	3 ~ 12	2.00
35480	HSK63A x SBL20 - 120	152	120	89	35	42	-	M12 x 1.75P	60	44	3 ~ 20	2.00
35482	HSK63A x SBL20 - 140	172	140	97	35	45	43	M12 x 1.75P	60	44	3 ~ 20	2.45
35492	HSK100A x SBL6 - 120	170	120	76	14	22	-	M6 x 1.0P	12	9	3 ~ 6	2.15
35493 - 130	HSK100A x SBL8 - 130	180	130	91.5	20	29.5	-	M8 x 1.25P	29	21	3 ~ 8	2.31
35493 - 150	HSK100A x SBL8 - 150	200	150	111	20	31.6	-	M8 x 1.25P	29	21	3 ~ 8	2.43
35494	HSK100A x SBL12 - 120	170	120	81	26	37	-	M10 x 1.5P	45	33	3 ~ 12	2.40
35496	HSK100A x SBL20 - 135	185	135	88	35	45	42	M12 x 1.75P	60	44	3 ~ 20	2.74
35498	HSK100A x SBL25 - 150	200	150	111	40	49	-	M16 x 1.5P	90	66	6 ~ 25.4	2.80

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Collet	Coolant Supply Unit	Key	Screw	Spanner
P.W-33	P.W-66	P.W-66	P.W-91	P.W-72



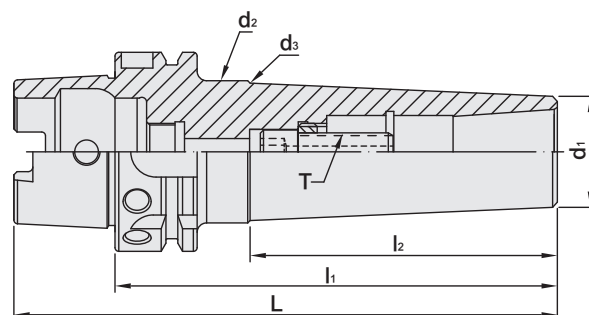
HSK / SBLC SLIM-FIT COLLET CHUCK

HSK / SBLC 後拉式立銑刀夾頭

[DIN 69893-1]



TW PAT NO. M274178



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
									N.m	1bf-ft		
35452C	HSK50A x SBLC6 - 80	105	80	44	14	18	-	M6 x 1.0P	12	9	3 ~ 6	1.40
35454C	HSK50A x SBLC6 - 120	145	120	84	14	22	-	M6 x 1.0P	12	9	3 ~ 6	1.50
35456C	HSK50A x SBLC12 - 110	135	110	65	26	42	36	M10 x 1.5P	45	33	3 ~ 12	1.50
35458C	HSK50A x SBLC12 - 130	155	130	86	26	42	39	M10 x 1.5P	45	33	3 ~ 12	1.85
35460C	HSK50A x SBLC20 - 120	145	120	93	35	42	-	M12 x 1.75P	60	44	3 ~ 20	1.80
35462C	HSK50A x SBLC20 - 150	175	150	123	35	42	-	M12 x 1.75P	60	44	3 ~ 20	2.00
35470C	HSK63A x SBLC6 - 80	112	80	39	14	18	-	M6 x 1.0P	12	9	3 ~ 6	1.70
35472C	HSK63A x SBLC6 - 120	152	120	79	14	22	-	M6 x 1.0P	12	9	3 ~ 6	1.90
35474C - 130	HSK63A x SBLC8 - 130	162	130	94.6	20	29.8	-	M8 x 1.25P	29	21	3 ~ 8	0.99
35474C - 150	HSK63A x SBLC8 - 150	182	150	114.6	20	32.0	-	M8 x 1.25P	29	21	3 ~ 8	1.11
35476C	HSK63A x SBLC12 - 110	142	110	79	26	37	-	M10 x 1.5P	45	33	3 ~ 12	1.80
35478C	HSK63A x SBLC12 - 150	182	150	119	26	42	-	M10 x 1.5P	45	33	3 ~ 12	2.00
35480C	HSK63A x SBLC20 - 120	152	120	89	35	42	-	M12 x 1.75P	60	44	3 ~ 20	2.00
35482C	HSK63A x SBLC20 - 140	172	140	97	35	45	43	M12 x 1.75P	60	44	3 ~ 20	2.45
35492C	HSK100A x SBLC6 - 120	170	120	76	14	22	-	M6 x 1.0P	12	9	3 ~ 6	2.15
35493C - 130	HSK100A x SBLC8 - 130	180	130	91.5	20	29.5	-	M8 x 1.25P	29	21	3 ~ 8	2.31
35493C - 150	HSK100A x SBLC8 - 150	200	150	111	20	31.6	-	M8 x 1.25P	29	21	3 ~ 8	2.43
35494C	HSK100A x SBLC12 - 120	170	120	81	26	37	-	M10 x 1.5P	45	33	3 ~ 12	2.40
35496C	HSK100A x SBLC20 - 135	185	135	88	35	45	42	M12 x 1.75P	60	44	3 ~ 20	2.74
35498C	HSK100A x SBLC25 - 150	200	150	111	40	49	-	M16 x 1.5P	90	66	6 ~ 25.4	2.80

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Used with SLC sealed collet and coolant through cutters.

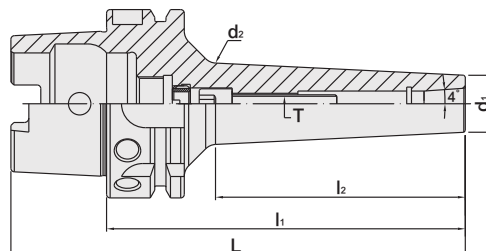
Standard Accessory: • SPANNER

Collet	Coolant Supply Unit	Key	Screw	Spanner
P.W-34	P.W-66	P.W-66	P.W-91	P.W-72



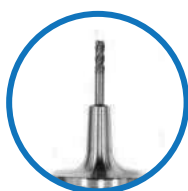
HSK / EBL SLIM-FIT COLLET CHUCK

HSK / EBL 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
36932 - 125	HSK50A x EBL6 - 125	150	125	94	19.05	28.2	M6 x 1.0P	12	9	3 ~ 6	0.79
36932 - 150	HSK50A x EBL6 - 150	175	150	119.2	19.05	30.7	M6 x 1.0P	12	9	3 ~ 6	0.91
36942 - 125	HSK63A x EBL6 - 125	157	125	88.8	19.05	27.7	M6 x 1.0P	12	9	3 ~ 6	1.06
36942 - 150	HSK63A x EBL6 - 150	182	150	115	19.05	30.3	M6 x 1.0P	12	9	3 ~ 6	1.19
36944 - 125	HSK63A x EBL8 - 125	157	125	90.4	22.225	31	M8 x 1.25P	29	21	3 ~ 8	1.12
36944 - 150	HSK63A x EBL8 - 150	182	150	116.7	22.225	33.2	M8 x 1.25P	29	21	3 ~ 8	1.26
36952 - 125	HSK100A x EBL6 - 125	165	125	85.6	19.05	27.4	M6 x 1.0P	12	9	3 ~ 6	2.34
36952 - 150	HSK100A x EBL6 - 150	190	150	111.9	19.05	30	M6 x 1.0P	12	9	3 ~ 6	2.49
36954 - 125	HSK100A x EBL8 - 125	165	125	87.3	22.225	30.7	M8 x 1.25P	29	21	3 ~ 8	2.41
36954 - 150	HSK100A x EBL8 - 150	190	150	113.6	22.225	33.3	M8 x 1.25P	29	21	3 ~ 8	2.55

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH

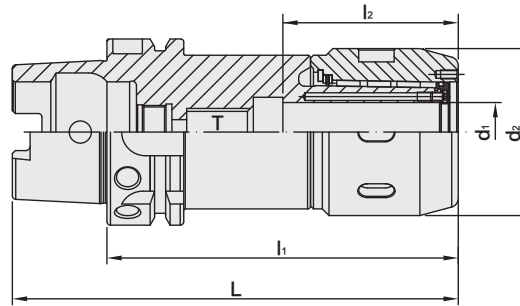
Collet	Sealed Collet	Coolant Supply Unit	Key	Set Screw	Spanner
P.W-35	P.W-36	P.W-66	P.W-66	P.W-88	P.W-72



HSK / MLD MULTI - LOCK MILLING CHUCK

HSK / MLD 直式筒夾銑床夾頭

(DIN 69893-1)



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
35310G	HSK50A x MLD12 - 90	115	90	46.7	12	42	-	1.52
35311G	HSK50A x MLD16 - 100	125	100	56.7	16	48	-	1.59
35312G	HSK50A x MLD20 - 120	145	120	59.3	20	56.5	M12 x 1.75P	1.62
35314G	HSK50A x MLD25 - 120	145	120	58.2	25	60	-	1.60
35316G	HSK50A x MLD32 - 130	150	130	71.7	32	71	-	1.80
35318G	HSK63A x MLD12 - 90	122	90	46.7	12	42	-	1.62
35320G	HSK63A x MLD16 - 100	132	100	56.7	16	48	-	1.62
35322G	HSK63A x MLD20 - 120	152	120	59.3	20	56.5	M16 x 2.0P	1.68
35330G	HSK63A x MLD25 - 105	137	105	58.2	25	60	-	1.82
35332G	HSK63A x MLD32 - 120	152	120	71.7	32	71	-	1.76
35348G	HSK100A x MLD12 - 115	165	115	46.7	12	42	M12 x 1.75P	3.10
35350G	HSK100A x MLD16 - 120	170	120	56.7	16	48	M12 x 1.75P	3.10
35352G	HSK100A x MLD20 - 120	170	120	59.3	20	56.5	M16 x 2.0P	3.40
35354G	HSK100A x MLD25 - 115	165	115	58.2	25	60	-	3.30
35356G	HSK100A x MLD32 - 120	170	120	71.7	32	71	-	3.40
35372G	HSK125A x MLD20 - 135	198	135	59.3	20	56.5	-	6.70
35372G - 165	HSK125A x MLD20 - 165	228	165	59.3	20	56.5	M12 x 1.75P	7.60
35374G	HSK125A x MLD25 - 135	198	135	58.2	25	60	M16 x 2.0P	7.10
35376G	HSK125A x MLD32 - 135	198	135	71.7	32	71	-	7.80
35376G - 165	HSK125A x MLD32 - 165	228	165	71.7	32	71	M16 x 2.0P	9.10
35378G	HSK125A x MLD42 - 135	198	135	84.8	42	90	-	8.00

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT • SET SCREW

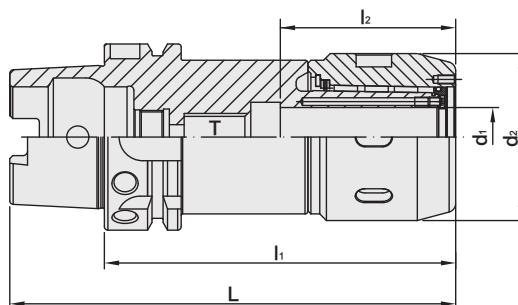
Collet	Sealed Cap	SR Sealed Ring	Coolant Supply Unit	Key	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-66	P.W-66	P.W-88	P.W-71~72	P.W-73



HSK / MLD MULTI - LOCK MILLING CHUCK

HSK / MLD 直式筒夾銑床夾頭

(DIN 69893-1)



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
33218G	HSK50A x MLD1/2" - 3.54"	4.528	3.54	1.84	0.5	1.654	-	1.52
33220G	HSK50A x MLD5/8" - 3.94"	4.921	3.94	2.23	0.625	1.889	-	1.62
33222G	HSK50A x MLD3/4" - 4"	4.984	4	2.34	0.75	2.224	-	1.62
33224G	HSK50A x MLD1" - 4.13"	5.118	4.13	2.49	1	2.362	-	1.72
33226G	HSK50A x MLD1-1/4" - 5.12"	6.102	5.12	2.8	1.25	2.795	-	1.70
33228G	HSK63A x MLD1/2" - 3.54"	4.803	3.54	1.84	0.5	1.654	-	1.72
33230G	HSK63A x MLD5/8" - 3.94"	5.197	3.94	2.23	0.625	1.889	-	1.75
33232G	HSK63A x MLD3/4" - 4"	5.26	4	2.34	0.75	2.224	-	1.80
33234G	HSK63A x MLD1" - 4.13"	5.394	4.13	2.49	1	2.362	-	1.65
33236G	HSK63A x MLD1-1/4" - 4.72"	5.984	4.72	2.8	1.25	2.795	-	1.68
33248G	HSK100A x MLD1/2" - 4.53"	6.496	4.53	1.84	0.5	1.654	M12 x 1.75P	1.65
33250G	HSK100A x MLD5/8" - 4.53"	6.496	4.53	2.23	0.625	1.889	M12 x 1.75P	1.65
33252G	HSK100A x MLD3/4" - 4.72"	6.693	4.72	2.34	0.75	2.224	-	1.70
33254G	HSK100A x MLD1" - 4.53"	6.496	4.53	2.49	1	2.362	-	1.72
33256G	HSK100A x MLD1-1/4" - 4.72"	6.693	4.72	2.8	1.25	2.795	-	1.76

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Coolant Supply Unit	Key	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-66	P.W-66	P.W-88	P.W-71~72	P.W-73

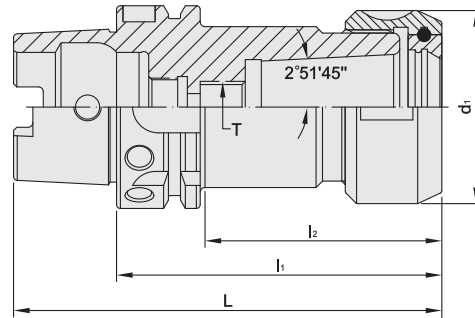


HSK / EOC COLLET CHUCK



HSK / EOC 立銑刀夾頭

(DIN 69893-1)
(DIN ISO 10897)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	T	SIZE RANGE	WEIGHT (KGS)
31002	HSK50A x EOC16 - 100	125	100	74	43	M12 x 1.75P	2 ~ 16	0.70
31004	HSK50A x EOC16 - 120	145	120	94	43	M12 x 1.75P	2 ~ 16	0.90
31006	HSK50A x EOC25 - 100	125	100	58	60	M16 x 2.0P	3 ~ 25	1.10
31008	HSK50A x EOC25 - 120	145	120	78	60	M16 x 2.0P	3 ~ 25	1.30
31010	HSK50A x EOC25 - 150	175	150	108	60	M16 x 2.0P	3 ~ 25	1.50
31012	HSK50A x EOC32 - 120	145	120	78	72	M20 x 2.0P	4 ~ 32	2.10
31014	HSK50A x EOC32 - 150	175	150	108	72	M20 x 2.0P	4 ~ 32	2.30
31022	HSK63A x EOC16 - 100	132	100	69	43	M12 x 1.75P	2 ~ 16	1.10
31024	HSK63A x EOC16 - 120	152	120	89	43	M12 x 1.75P	2 ~ 16	1.20
31026	HSK63A x EOC25 - 100	132	100	72	60	M16 x 2.0P	3 ~ 25	1.30
31028	HSK63A x EOC25 - 120	152	120	92	60	M16 x 2.0P	3 ~ 25	1.50
31030	HSK63A x EOC25 - 150	182	150	122	60	M16 x 2.0P	3 ~ 25	1.70
31032	HSK63A x EOC32 - 120	152	120	78	72	M20 x 2.0P	4 ~ 32	2.30
31034	HSK63A x EOC32 - 150	182	150	108	72	M20 x 2.0P	4 ~ 32	2.50
31042	HSK100A x EOC16 - 100	150	100	61	43	M12 x 1.75P	2.0 ~ 16	3.40
31044	HSK100A x EOC16 - 120	170	120	81	43	M12 x 1.75P	2.0 ~ 16	3.60
31046	HSK100A x EOC25 - 100	150	100	61	60	-	3.0 ~ 25	3.50
31048	HSK100A x EOC25 - 120	170	120	81	60	M16 x 2.0P	3.0 ~ 25	3.70
31050	HSK100A x EOC25 - 150	200	150	111	60	M16 x 2.0P	3.0 ~ 25	4.10
31052	HSK100A x EOC32 - 130	180	130	91	72	M20 x 2.0P	4.0 ~ 32	4.50
31054	HSK100A x EOC32 - 150	200	150	111	72	M20 x 2.0P	4.0 ~ 32	4.70

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

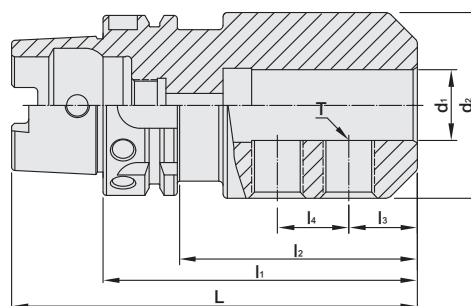
Collet	Nut	Coolant Supply Unit	Key	Preset Screw	Spanner
P.W-41	P.W-57	P.W-66	P.W-66	P.W-88	P.W-71~72



HSK / SLN SIDE LOCK END MILL HOLDER

HSK / SLN 側固式立銑刀柄

(DIN 69893-1)
(DIN 1835-B)
(DIN 69882-4)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
32802	HSK50A x SLN6 - 65	90	65	34	18	-	6	25	M6 x 1.0P	0.70
32804	HSK50A x SLN8 - 65	90	65	36	18	-	8	28	M8 x 1.25P	0.80
32806	HSK50A x SLN10 - 65	90	65	36.5	20	-	10	35	M10 x 1.5P	0.80
32808	HSK50A x SLN12 - 80	105	80	53.5	22.5	-	12	42	M12 x 1.75P	1.20
32810	HSK50A x SLN14 - 80	105	80	53.5	22.5	-	14	44	M12 x 1.75P	1.30
32812	HSK50A x SLN16 - 80	105	80	53.5	24	-	16	48	M14 x 2.0P	1.30
32814	HSK50A x SLN18 - 80	105	80	53.5	24	-	18	50	M14 x 2.0P	1.40
32816	HSK50A x SLN20 - 80	105	80	53	25	-	20	52	M16 x 2.0P	1.50
32822	HSK63A x SLN6 - 65	97	65	36	18	-	6	25	M6 x 1.0P	0.90
32824	HSK63A x SLN8 - 65	97	65	36	18	-	8	28	M8 x 1.25P	1.00
32826	HSK63A x SLN10 - 65	97	65	36	20	-	10	35	M10 x 1.5P	1.00
32828	HSK63A x SLN12 - 80	112	80	49	22.5	-	12	42	M12 x 1.75P	1.70
32830	HSK63A x SLN14 - 80	112	80	51	22.5	-	14	44	M12 x 1.75P	1.70
32832	HSK63A x SLN16 - 80	112	80	51.5	24	-	16	48	M14 x 2.0P	1.70
32834	HSK63A x SLN18 - 80	112	80	52.5	24	-	18	50	M14 x 2.0P	1.80
32836	HSK63A x SLN20 - 80	112	80	53.5	25	-	20	52	M16 x 2.0P	1.80
32838	HSK63A x SLN25 - 110	142	110	83.2	24	25	25	65	M18 x 2.0P	2.50
32840	HSK63A x SLN32 - 110	142	110	83.2	24	28	32	72	M20 x 2.0P	2.70
32862	HSK100A x SLN6 - 80	130	80	41	18	-	6	25	M6 x 1.0P	3.00
32864	HSK100A x SLN8 - 80	130	80	41	18	-	8	28	M8 x 1.25P	3.20
32866	HSK100A x SLN10 - 80	130	80	46	20	-	10	35	M10 x 1.5P	3.40
32868	HSK100A x SLN12 - 80	130	80	46	22.5	-	12	42	M12 x 1.75P	3.40
32870	HSK100A x SLN14 - 80	130	80	46	22.5	-	14	44	M12 x 1.75P	3.50
32872	HSK100A x SLN16 - 100	150	100	66	24	-	16	48	M14 x 2.0P	3.80
32874	HSK100A x SLN18 - 100	150	100	66	24	-	18	50	M16 x 2.0P	3.80
32876	HSK100A x SLN20 - 100	150	100	61	25	-	20	52	M16 x 2.0P	3.90
32878	HSK100A x SLN25 - 100	150	100	66	24	25	25	65	M18 x 2.0P	4.00
32880	HSK100A x SLN32 - 100	150	100	66	24	28	32	72	M20 x 2.0P	4.10
32882	HSK100A x SLN40 - 120	170	120	89	30	32	40	90	M20 x 2.0P	4.40

Product information:

- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90



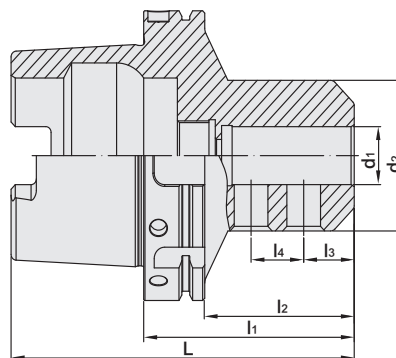
HSK / SLN SIDE LOCK END MILL HOLDER

HSK / SLN 側固式立銑刀柄

(DIN 69893-1)

(DIN 1835-B)

(DIN 69882-4)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
32903	HSK125A x SLN10 - 85	148	85	35	20	-	10	35	M10 x 1.5P	4.20
32904	HSK125A x SLN12 - 90	153	90	40	22.5	-	12	42	M12 x 1.75P	4.30
32905	HSK125A x SLN14 - 90	153	90	40	22.5	-	14	44	M12 x 1.75P	4.30
32906	HSK125A x SLN16 - 95	158	95	45	24	-	16	48	M14 x 2.0P	4.50
32908	HSK125A x SLN20 - 95	158	95	45	25	-	20	52	M16 x 2.0P	4.60
32909	HSK125A x SLN25 - 100	163	100	60	24	25	25	65	M18 x 2.0P	4.90
32910	HSK125A x SLN32 - 105	168	105	65	24	28	32	72	M20 x 2.0P	5.30
32911	HSK125A x SLN40 - 120	183	120	80	30	32	40	90	M20 x 2.0P	6.85
32912	HSK125A x SLN50 - 130	193	130	90	35	35	50	98	M24 x 2.0P	7.55

МАШСЕРВИС

Product information:

- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

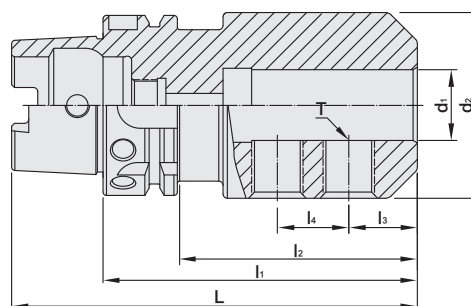
Coolant Supply Unit	Key	Lock Screw
 P.W-66	 P.W-66	 P.W-90



HSK / SLN SIDE LOCK END MILL HOLDER

HSK / SLN 側固式立銑刀柄

[DIN 69893-1]
[DIN 1835-B]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
32922	HSK40A x SLN1/4" - 2.5"	3.287	2.5	1.516	0.63	-	0.25	0.78	1/4 - 28	0.31
32926	HSK40A x SLN3/8" - 2.5"	3.287	2.5	1.594	0.75	-	0.375	1	3/8 - 24	0.42
32928	HSK40A x SLN1/2" - 2.75"	3.537	2.75	1.923	0.875	-	0.5	1.38	7/16 - 20	0.57
32930	HSK40A x SLN5/8" - 3"	3.787	3	2.181	0.937	-	0.625	1.63	1/2 - 20	0.69
32948	HSK63A x SLN1/4" - 3"	4.26	3	1.78	0.63	-	0.25	0.78	1/4 - 28	0.76
32952	HSK63A x SLN3/8" - 3"	4.26	3	1.78	0.75	-	0.375	1	3/8 - 24	0.88
32954	HSK63A x SLN1/2" - 3"	4.26	3	1.78	0.875	-	0.5	1.38	7/16 - 20	1.13
32956	HSK63A x SLN5/8" - 3.75"	5	3.75	2.53	0.937	-	0.625	1.63	1/2 - 20	1.26
32958	HSK63A x SLN3/4" - 3.75"	5	3.75	2.648	1	-	0.75	1.75	5/8 - 18	1.33
32962	HSK63A x SLN1" - 3.75"	5	3.75	2.687	1.125	1	1	2	3/4 - 16	2.30
32964	HSK63A x SLN1-1/4" - 4.25"	5.51	4.25	3.187	1.125	1	1.25	2.5	3/4 - 16	2.52
32978	HSK100A x SLN1/4" - 3"	4.97	3	1.465	0.63	-	0.25	0.78	1/4 - 28	2.16
32982	HSK100A x SLN3/8" - 3"	4.97	3	1.661	0.75	-	0.375	1	3/8 - 24	2.31
32984	HSK100A x SLN1/2" - 3.25"	5.219	3.25	1.911	0.875	-	0.5	1.38	7/16 - 20	2.45
32986	HSK100A x SLN5/8" - 3.75"	5.719	3.75	2.411	0.937	-	0.625	1.63	1/2 - 20	2.84
32988	HSK100A x SLN3/4" - 3.75"	5.719	3.75	2.411	1	-	0.75	1.75	5/8 - 18	2.95
32992	HSK100A x SLN1" - 4.25"	6.219	4.25	2.911	1.125	1	1	2	3/4 - 16	3.46
32994	HSK100A x SLN1-1/4" - 4.25"	6.219	4.25	2.911	1.125	1	1.25	2.5	3/4 - 16	3.73
32996	HSK100A x SLN1-1/2" - 4.5"	6.469	4.5	3.161	1.125	1	1.5	2.5	3/4 - 16	5.51
32998	HSK100A x SLN2" - 5.5"	7.469	5.5	4.319	1.41	1.5	2	3.75	1 - 14	6.37

Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90

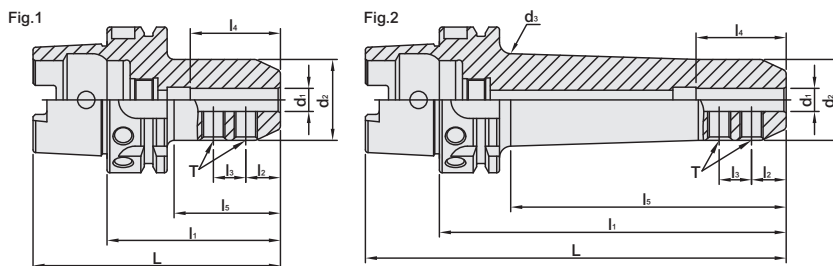


HSK / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

HSK / SLN 側固式立銑刀柄 [JIS 型]

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig.	WEIGHT (KGS)
33826	HSK63A x SLN10 - 75JIS	107	75	15	14	39	46	10	35	-	M10 x 1.5P	1	0.94
33826 - 150	HSK63A x SLN10 - 150JIS	182	150	15	14	39	119	10	35	40	M10 x 1.5P	2	1.56
33828	HSK63A x SLN12 - 80JIS	112	80	20	16	44	51	12	42	-	M10 x 1.5P	1	1.12
33828 - 150	HSK63A x SLN12 - 150JIS	182	150	20	16	44	121	12	42	47	M10 x 1.5P	2	1.94
33832	HSK63A x SLN16 - 90JIS	122	90	22	18	47	62	16	48	-	M10 x 1.5P	1	1.38
33832 - 150	HSK63A x SLN16 - 150JIS	182	150	22	18	47	123	16	48	53	M10 x 1.5P	2	2.31
33836	HSK63A x SLN20 - 90JIS	122	90	25	20	55	62.5	20	50	-	M12 x 1.75P	1	1.41
33836 - 150	HSK63A x SLN20 - 150JIS	182	150	25	20	55	123	20	50	53	M12 x 1.75P	2	2.35
33838	HSK63A x SLN25 - 90JIS	122	90	24	25	58	62.5	25	50	-	M12 x 1.75P	1	1.31
33838 - 150	HSK63A x SLN25 - 150JIS	182	150	24	25	58	123	25	50	53	M12 x 1.75P	2	2.25
33840	HSK63A x SLN32 - 105JIS	137	105	24	28	63	79	32	60	-	M16 x 2.0P	1	1.73

МАШСЕРВИС

Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90

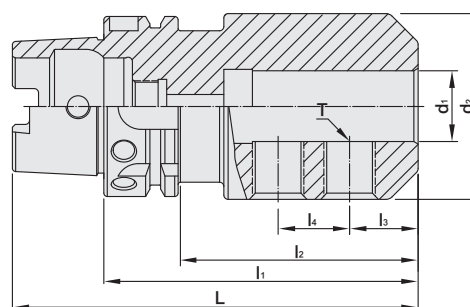


HSK / SLN SIDE LOCK END MILL HOLDER

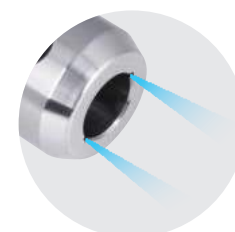
FID TYPE

HSK / SLN 側固式立銑刀柄 [FID 型]

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
32802B	HSK50A x SLN6 - 65 - FID	90	65	34	18	-	6	25	M6 x 1.0P	0.70
32804B	HSK50A x SLN8 - 65 - FID	90	65	36	18	-	8	28	M8 x 1.25P	0.80
32806B	HSK50A x SLN10 - 65 - FID	90	65	36.5	20	-	10	35	M10 x 1.5P	0.80
32808B	HSK50A x SLN12 - 80 - FID	105	80	53.5	22.5	-	12	42	M12 x 1.75P	1.20
32810B	HSK50A x SLN14 - 80 - FID	105	80	53.5	22.5	-	14	44	M12 x 1.75P	1.30
32812B	HSK50A x SLN16 - 80 - FID	105	80	53.5	24	-	16	48	M14 x 2.0P	1.30
32814B	HSK50A x SLN18 - 80 - FID	105	80	53.5	24	-	18	50	M14 x 2.0P	1.40
32816B	HSK50A x SLN20 - 80 - FID	105	80	53	25	-	20	52	M16 x 2.0P	1.50
32822B	HSK63A x SLN6 - 65 - FID	97	65	36	18	-	6	25	M6 x 1.0P	0.90
32824B	HSK63A x SLN8 - 65 - FID	97	65	36	18	-	8	28	M8 x 1.25P	1.00
32826B	HSK63A x SLN10 - 65 - FID	97	65	36	20	-	10	35	M10 x 1.5P	1.00
32828B	HSK63A x SLN12 - 80 - FID	112	80	49	22.5	-	12	42	M12 x 1.75P	1.70
32830B	HSK63A x SLN14 - 80 - FID	112	80	51	22.5	-	14	44	M12 x 1.75P	1.70
32832B	HSK63A x SLN16 - 80 - FID	112	80	51.5	24	-	16	48	M14 x 2.0P	1.70
32834B	HSK63A x SLN18 - 80 - FID	112	80	52.5	24	-	18	50	M14 x 2.0P	1.80
32836B	HSK63A x SLN20 - 80 - FID	112	80	53.5	25	-	20	52	M16 x 2.0P	1.80
32838B	HSK63A x SLN25 - 110 - FID	142	110	83.2	24	25	25	65	M18 x 2.0P	2.50
32840B	HSK63A x SLN32 - 110 - FID	142	110	83.2	24	28	32	72	M20 x 2.0P	2.70



Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90

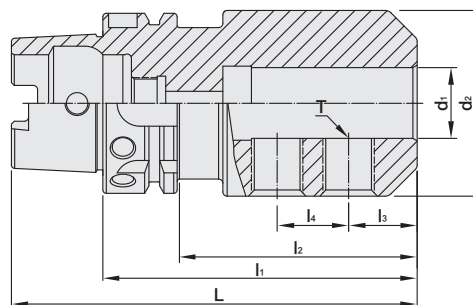


HSK / SLN SIDE LOCK END MILL HOLDER

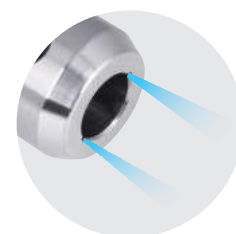
FID TYPE

HSK / SLN 側固式立銑刀柄 [FID 型]

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
32862B	HSK100A x SLN6 - 80 - FID	130	80	41	18	-	6	25	M6 x 1.0P	3.00
32864B	HSK100A x SLN8 - 80 - FID	130	80	41	18	-	8	28	M8 x 1.25P	3.20
32866B	HSK100A x SLN10 - 80 - FID	130	80	46	20	-	10	35	M10 x 1.5P	3.40
32868B	HSK100A x SLN12 - 80 - FID	130	80	46	22.5	-	12	42	M12 x 1.75P	3.40
32870B	HSK100A x SLN14 - 80 - FID	130	80	46	22.5	-	14	44	M12 x 1.75P	3.50
32872B	HSK100A x SLN16 - 100 - FID	150	100	66	24	-	16	48	M14 x 2.0P	3.80
32874B	HSK100A x SLN18 - 100 - FID	150	100	66	24	-	18	50	M16 x 2.0P	3.80
32876B	HSK100A x SLN20 - 100 - FID	150	100	61	25	-	20	52	M16 x 2.0P	3.90
32878B	HSK100A x SLN25 - 100 - FID	150	100	66	24	25	25	65	M18 x 2.0P	4.00
32880B	HSK100A x SLN32 - 100 - FID	150	100	66	24	28	32	72	M20 x 2.0P	4.10
32882B	HSK100A x SLN40 - 120 - FID	170	120	89	30	32	40	90	M20 x 2.0P	4.40
32903B	HSK125A x SLN10 - 85 - FID	148	85	35	20	-	10	35	M10 x 1.5P	4.20
32904B	HSK125A x SLN12 - 90 - FID	153	90	40	22.5	-	12	42	M12 x 1.75P	4.30
32905B	HSK125A x SLN14 - 90 - FID	153	90	40	22.5	-	14	44	M12 x 1.75P	4.30
32906B	HSK125A x SLN16 - 95 - FID	158	95	45	24	-	16	48	M14 x 2.0P	4.50
32908B	HSK125A x SLN20 - 95 - FID	158	95	45	25	-	20	52	M16 x 2.0P	4.60
32909B	HSK125A x SLN25 - 100 - FID	163	100	60	24	25	25	65	M18 x 2.0P	4.90
32910B	HSK125A x SLN32 - 105 - FID	168	105	65	24	28	32	72	M20 x 2.0P	5.30
32911B	HSK125A x SLN40 - 120 - FID	183	120	80	30	32	40	90	M20 x 2.0P	6.85
32912B	HSK125A x SLN50 - 130 - FID	193	130	90	35	35	50	98	M24 x 2.0P	7.55



Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90

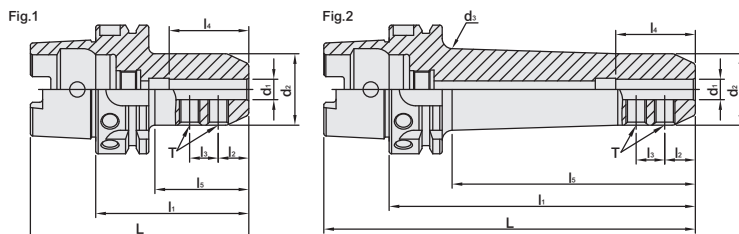


HSK / SLN SIDE LOCK END MILL HOLDER

JIS-FID TYPE

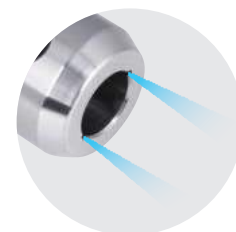
HSK / SLN 側固式立銑刀柄 [JIS-FID 型]

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig.	WEIGHT (KGS)
33826B - J	HSK63A x SLN10 - 75JIS - FID	107	75	15	14	39	46	10	35	-	M6 x 1.0P	1	0.94
33826B - 150 - J	HSK63A x SLN10 - 150JIS - FID	182	150	15	14	39	119.1	10	35	40	M6 x 1.0P	2	1.56
33828B - J	HSK63A x SLN12 - 80JIS - FID	112	80	20	16	44	51	12	42	-	M10 x 1.5P	1	1.12
33828B - 150 - J	HSK63A x SLN12 - 150JIS - FID	182	150	20	16	44	121.1	12	42	47	M10 x 1.5P	2	1.94
33832B - J	HSK63A x SLN16 - 90JIS - FID	122	90	22	18	47	62	16	48	-	M10 x 1.5P	1	1.38
33832B - 150 - J	HSK63A x SLN16 - 150JIS - FID	182	150	22	18	47	123	16	48	53	M10 x 1.5P	2	2.31
33836B - J	HSK63A x SLN20 - 90JIS - FID	122	90	25	20	55	62.5	20	50	-	M12 x 1.75P	1	1.41
33836B - 150 - J	HSK63A x SLN20 - 150JIS - FID	182	150	25	20	55	123	20	50	53	M12 x 1.75P	2	2.35
33838B - J	HSK63A x SLN25 - 90JIS - FID	122	90	24	25	58	62.5	25	52	-	M12 x 1.75P	1	1.31
33838 - 150	HSK63A x SLN25 - 150JIS - FID	182	150	24	25	58	123	25	52	53	M12 x 1.75P	2	2.25
33840B - J	HSK63A x SLN32 - 105JIS - FID	137	105	24	28	63	79	32	60	-	M16 x 2.0P	1	1.73

МАШСЕРВИС



Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
		
P.W-66	P.W-66	P.W-90



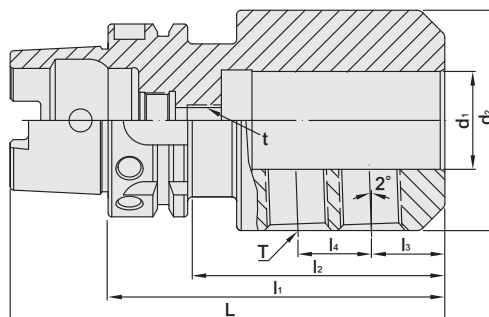
HSK / SLNB SIDE LOCK END MILL HOLDER

HSK / SLNB 側固式立銑刀柄

(DIN 69893-1)

(DIN 1835-E)

(DIN 69882-5)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	t	T	WEIGHT (KGS)
33102	HSK50A x SLNB6 - 80	105	80	49	18	-	6	25	M5	M6 x 1.0P	0.80
33104	HSK50A x SLNB8 - 80	105	80	49	18	-	8	28	M6	M8 x 1.25P	0.90
33106	HSK50A x SLNB10 - 80	105	80	51	20	-	10	35	M8	M10 x 1.5P	0.90
33108	HSK50A x SLNB12 - 90	115	90	64	22.5	-	12	42	M10	M12 x 1.75P	1.30
33110	HSK50A x SLNB14 - 90	115	90	63.2	22.5	-	14	44	M10	M12 x 1.75P	1.40
33112	HSK50A x SLNB16 - 90	115	90	63.2	24	-	16	48	M12	M14 x 2.0P	1.40
33114	HSK50A x SLNB18 - 90	115	90	63.2	24	-	18	50	M12	M14 x 2.0P	1.60
33116	HSK50A x SLNB20 - 100	125	100	73	25	-	20	52	M16	M16 x 2.0P	1.70
33132	HSK63A x SLNB6 - 80	112	80	49	18	-	6	25	M5	M6 x 1.0P	1.00
33134	HSK63A x SLNB8 - 80	112	80	49	18	-	8	28	M6	M8 x 1.25P	1.10
33136	HSK63A x SLNB10 - 80	112	80	51	20	-	10	35	M8	M10 x 1.5P	1.10
33138	HSK63A x SLNB12 - 90	122	90	64	22.5	-	12	42	M10	M12 x 1.75P	2.00
33140	HSK63A x SLNB14 - 90	122	90	61	22.5	-	14	44	M10	M12 x 1.75P	2.00
33142	HSK63A x SLNB16 - 100	132	100	72	24	-	16	48	M12	M14 x 2.0P	2.00
33144	HSK63A x SLNB18 - 100	132	100	72.5	24	-	18	50	M12	M14 x 2.0P	2.10
33146	HSK63A x SLNB20 - 100	132	100	72.5	25	-	20	52	M16	M16 x 2.0P	2.10
33148	HSK63A x SLNB25 - 110	142	110	83.2	24	25	25	65	M20	M18 x 2.0P	2.60
33150	HSK63A x SLNB32 - 110	142	110	82.5	24	24	32	72	-	M20 x 2.0P	2.80
33162	HSK100A x SLNB6 - 90	140	90	51	18	-	6	25	M5	M6 x 1.0P	3.40
33164	HSK100A x SLNB8 - 90	140	90	51	18	-	8	28	M6	M8 x 1.25P	3.50
33166	HSK100A x SLNB10 - 90	140	90	51	20	-	10	35	M8	M10 x 1.5P	3.80
33168	HSK100A x SLNB12 - 100	150	100	61	22.5	-	12	42	M10	M12 x 1.75P	3.80
33170	HSK100A x SLNB14 - 100	150	100	61	22.5	-	14	44	M10	M12 x 1.75P	4.00
33172	HSK100A x SLNB16 - 100	150	100	66	24	-	16	48	M12	M14 x 2.0P	4.00
33174	HSK100A x SLNB18 - 100	150	100	61	24	-	18	50	M12	M14 x 2.0P	4.00
33176	HSK100A x SLNB20 - 110	160	110	71	25	-	20	52	M16	M16 x 2.0P	4.20
33178	HSK100A x SLNB25 - 120	170	120	86	24	22	25	65	M20	M18 x 2.0P	4.40
33180	HSK100A x SLNB32 - 120	170	120	86	24	24	32	72	M20	M20 x 2.0P	4.50
33182	HSK100A x SLNB40 - 120	170	120	89	30	32	40	90	M20	M20 x 2.0P	5.00
33186	HSK125A x SLNB20 - 120	183	120	80	25	-	20	52	M16	M16 x 2.0P	4.80
33188	HSK125A x SLNB25 - 130	193	130	90	24	22	25	65	M20	M20 x 2.0P	5.10
33190	HSK125A x SLNB32 - 130	193	130	90	24	24	32	72	M20	M20 x 2.0P	5.50
33192	HSK125A x SLNB40 - 140	203	140	100	30	32	40	90	M20	M20 x 2.0P	7.00

Standard Accessory: • LOCK SCREW

Coolant Supply Unit	Key	Lock Screw
 P.W-66	 P.W-66	 P.W-90

Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

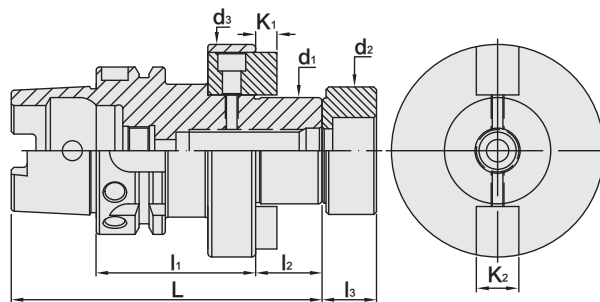


HSK FACE MILL ARBOR

FMB TYPE

HSK 平面铣刀柄

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
32392	HSK40A x FMB16 - 50	87	50	17	-	16	-	40	5	8	0.70
32394	HSK40A x FMB22 - 60	99	60	19	14	22	26	52	4.8	10	0.80
32396	HSK40A x FMB27 - 60	101	60	21	16	27	31.5	60	5.8	12	1.00
32398	HSK40A x FMB32 - 60	104	60	24	16	32	41	78	6.8	14	1.10
32402	HSK50A x FMB16 - 50	92	50	17	-	16	-	40	5	8	1.10
32404	HSK50A x FMB22 - 60	104	60	19	14	22	26	48	4.8	10	1.00
32406	HSK50A x FMB27 - 60	106	60	21	16	27	31.5	60	5.8	12	1.30
32408	HSK50A x FMB32 - 60	109	60	24	16	32	41	78	6.8	14	1.50
32412	HSK63A x FMB16 - 50	99	50	17	-	16	-	40	5	8	1.20
32414	HSK63A x FMB22 - 50	101	50	19	14	22	26	50	4.8	10	1.30
32416	HSK63A x FMB27 - 60	113	60	21	16	27	31.5	53	5.8	12	1.50
32418	HSK63A x FMB32 - 60	116	60	24	16	32	41	78	6.8	14	1.60
32420	HSK63A x FMB40 - 60	117	60	25	20.5	40	48	80	8.3	16	2.10
32442	HSK100A x FMB22 - 50	119	50	19	14	22	26	48	4.8	10	2.70
32444	HSK100A x FMB27 - 50	121	50	21	16	27	31.5	60	5.8	12	2.90
32446	HSK100A x FMB32 - 50	124	50	24	16	32	41	78	6.8	14	3.00
32448	HSK100A x FMB40 - 60	135	60	25	20.5	40	48	80	8.3	16	4.00
32450	HSK100A x FMB50 - 70	150	70	30	24	50	68	120	9.7	19	5.10
32452	HSK100A x FMB60 - 70	160	70	40	-	60	-	129	12.5	25.4	5.50

Product information:

- ▶ d1 tolerance: h6.
- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit	Key	Screw
		
P.W-66	P.W-66	P.W-90

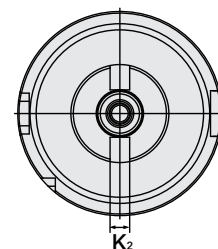
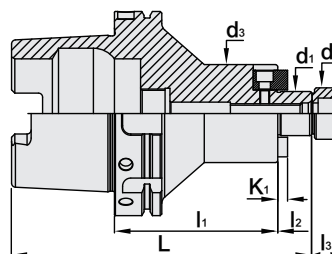


HSK FACE MILL ARBOR

FMB TYPE

HSK 平面铣刀柄

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
32462	HSK125A x FMB22 - 50	113	50	19	14	22	26	48	4.8	10	3.80
32462 - 100	HSK125A x FMB22 - 100	163	100	19	14	22	26	48	4.8	10	5.00
32462 - 130	HSK125A x FMB22 - 130	193	130	19	14	22	26	48	4.8	10	5.30
32462 - 160	HSK125A x FMB22 - 160	223	160	19	14	22	26	48	4.8	10	6.40
32462 - 200	HSK125A x FMB22 - 200	263	200	19	14	22	26	48	4.8	10	7.80
32464	HSK125A x FMB27 - 55	118	55	21	16	27	31.5	60	5.8	12	4.20
32464 - 100	HSK125A x FMB27 - 100	163	100	21	16	27	31.5	60	5.8	12	5.50
32464 - 130	HSK125A x FMB27 - 130	193	130	21	16	27	31.5	60	5.8	12	6.10
32464 - 160	HSK125A x FMB27 - 160	223	160	21	16	27	31.5	60	5.8	12	7.30
32464 - 200	HSK125A x FMB27 - 200	263	200	21	16	27	31.5	60	5.8	12	8.80
32466	HSK125A x FMB32 - 70	133	70	24	16	32	41	78	6.8	14	5.40
32466 - 100	HSK125A x FMB32 - 100	163	100	24	16	32	41	78	6.8	14	6.50
32466 - 130	HSK125A x FMB32 - 130	193	130	24	16	32	41	78	6.8	14	7.50
32466 - 160	HSK125A x FMB32 - 160	223	160	24	16	32	41	78	6.8	14	8.90
32466 - 200	HSK125A x FMB32 - 200	263	200	24	16	32	41	78	6.8	14	10.80
32468	HSK125A x FMB40 - 60	123	60	25	20.5	40	48	80	8.3	16	5.10
32468 - 100	HSK125A x FMB40 - 100	163	100	25	20.5	40	48	80	8.3	16	6.80
32468 - 130	HSK125A x FMB40 - 130	193	130	25	20.5	40	48	80	8.3	16	7.90
32468 - 160	HSK125A x FMB40 - 160	223	160	25	20.5	40	48	80	8.3	16	9.30
32468 - 200	HSK125A x FMB40 - 200	263	200	25	20.5	40	48	80	8.3	16	11.30
32470	HSK125A x FMB50 - 70	133	70	30	24	50	68	120	9.7	19	7.40

Product information:

- ▶ d1 tolerance: h6.
- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit	Key	Screw
		
P.W-66	P.W-66	P.W-90

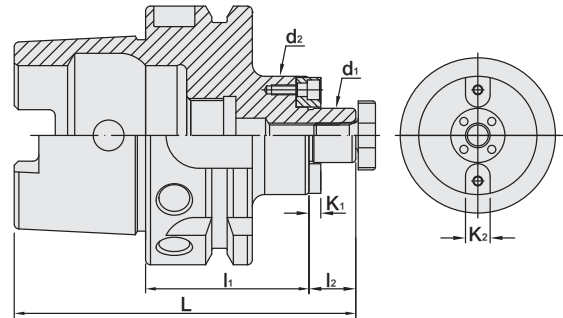


HSK FACE MILL ARBOR

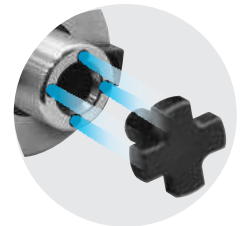
FMC TYPE

HSK 平面铣刀柄

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
32530	HSK50A x FMC16 - 60	102	60	17	16	40	5	8	1.30
32532	HSK50A x FMC22 - 60	104	60	19	22	50	4.8	10	1.40
32534	HSK50A x FMC27 - 60	106	60	21	27	60	5.8	12	1.30
32540	HSK63A x FMC16 - 50	99	50	17	16	40	5	8	1.20
32542	HSK63A x FMC22 - 50	101	50	19	22	50	4.8	10	1.30
32544	HSK63A x FMC27 - 60	113	60	21	27	60	5.8	12	1.70
32546	HSK63A x FMC32 - 60	116	60	24	32	78	6.8	14	1.60
32560	HSK100A x FMC16 - 50	117	50	17	16	40	5	8	2.80
32562	HSK100A x FMC22 - 50	119	50	19	22	50	4.8	10	2.90
32564	HSK100A x FMC27 - 50	121	50	21	27	60	5.8	12	2.90
32566	HSK100A x FMC32 - 60	134	60	24	32	78	6.8	14	3.30
32568	HSK100A x FMC40 - 70	147	70	27	40	89	8.3	16	4.30
32582	HSK125A x FMC22 - 50	132	50	19	22	50	4.8	10	3.90
32584	HSK125A x FMC27 - 55	139	55	21	27	60	5.8	12	4.10
32584 - 100	HSK125A x FMC27 - 100	184	100	21	27	60	5.8	12	5.90
32586	HSK125A x FMC32 - 70	157	70	24	32	78	6.8	14	5.20
32586 - 100	HSK125A x FMC32 - 100	187	100	24	32	78	6.8	14	6.60
32588	HSK125A x FMC40 - 60	150	60	27	40	89	8.3	16	5.00
32588 - 100	HSK125A x FMC40 - 100	190	100	27	40	89	8.3	16	7.00



Product information:

- ▶ d1 tolerance: h6.
- ▶ The pre-balance reaches G6.3 3,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT • SPANNER

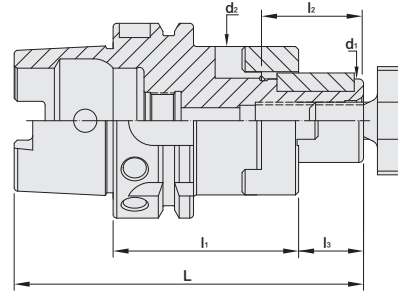
Nut	Coolant Supply Unit	Key	Spanner
P.W-67	P.W-66	P.W-66	P.W-67



HSK / COMBI SHELL END MILL ARBOR

HSK 聯結式銑刀柄

(DIN 69893-1)
(DIN 69228-2)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
32662	HSK32A x CSR16 - 55	88	55	27	17	16	32	0.50
32664	HSK32A x CSR22 - 55	90	55	31	19	22	40	0.50
32666	HSK32A x CSR27 - 65	102	65	33	21	27	48	0.60
32668	HSK40A x CSR16 - 50	87	50	27	17	16	32	0.50
32670	HSK40A x CSR22 - 50	89	50	31	19	22	40	0.60
32672	HSK40A x CSR27 - 65	106	65	33	21	27	48	0.70
32602	HSK50A x CSR16 - 50	92	50	27	17	16	32	0.77
32604	HSK50A x CSR22 - 50	94	50	31	19	22	40	0.88
32606	HSK50A x CSR27 - 65	111	65	33	21	27	48	1.10
32608	HSK50A x CSR32 - 65	114	65	38	24	32	50	1.40
32612	HSK63A x CSR16 - 60	109	60	27	17	16	32	0.97
32614	HSK63A x CSR22 - 60	111	60	31	19	22	40	1.08
32616	HSK63A x CSR27 - 60	113	60	33	21	27	48	1.30
32618	HSK63A x CSR32 - 60	116	60	38	24	32	52	1.60
32620	HSK63A x CSR40 - 70	129	70	41	27	40	70	2.05
32640	HSK100A x CSR16 - 60	127	60	27	17	16	32	2.47
32642	HSK100A x CSR22 - 60	129	60	31	19	22	40	2.68
32644	HSK100A x CSR27 - 60	131	60	33	21	27	48	2.90
32646	HSK100A x CSR32 - 60	134	60	38	24	32	58	3.20
32648	HSK100A x CSR40 - 70	147	70	41	27	40	70	3.65
32650	HSK100A x CSR50 - 80	160	80	46	30	50	90	4.10

Product information:

- ▶ d₁ tolerance: h6.
- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

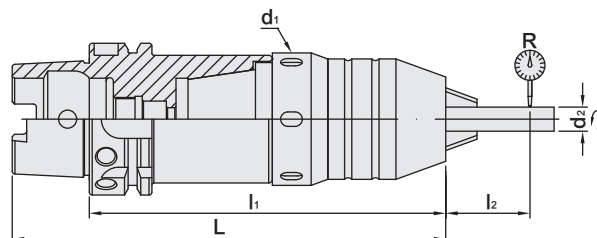
Key	Removable Ring	Nut	Coolant Supply Unit	Key	Spanner
P.W-67	P.W-67	P.W-67	P.W-66	P.W-66	P.W-67



HSK / SPH DRILL CHUCK ADAPTER

HSK / SPH 直結式鑽夾頭

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
35004	HSK40A x SPH8 - 135	155	135	55	42	6	0.04	1.40
35008	HSK40A x SPH13 - 125	145	125	75	54	8	0.04	1.60
35020	HSK63A x SPH8 - 130	162	130	55	42	6	0.04	1.40
35024	HSK63A x SPH13 - 150	182	150	75	54	8	0.04	1.60

МАШСЕРВИС



Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling & tapping.
- ▶ The clamping capacity of SPH8 is 1~8mm.
- ▶ The clamping capacity of SPH13 is 1~13mm.
- ▶ The clamping capacity of SPH16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • SPANNER

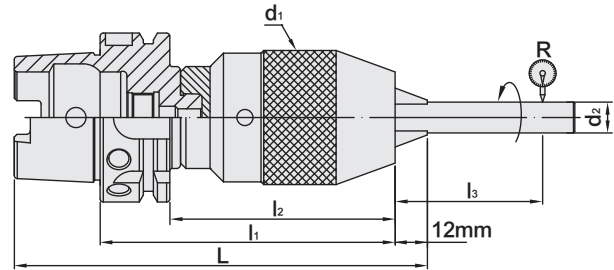
Coolant Supply Unit	Key
 P.W-66	 P.W-66



HSK / SPU DRILL CHUCK ADAPTER

HSK / SPU 直結式鑽夾頭

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	R	WEIGHT (KGS)
34903	HSK50A x SPU13 - 150	187	150	124	55	50	5	0.04	1.40
34905	HSK63A x SPU13 - 150	194	150	124	55	50	10	0.04	2.10
34907	HSK100A x SPU13 - 155	217	155	126	75	50	13	0.04	3.10

МАШСЕРВИС

Features:

- ▶ The adapter has a taper design to assemble with drill chuck and then lock with a screw, ensuring to have better stability and drill chuck would not fall off.
- ▶ Used for drilling.
- ▶ The clamping capacity of SPU8 is 1~8mm.
- ▶ The clamping capacity of SPU13 is 1~13mm.
- ▶ The clamping capacity of SPU16 is 3~16mm.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • SPANNER

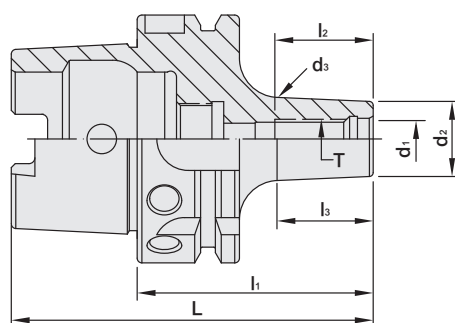
Coolant Supply Unit	Key	Spanner
 P.W-66	 P.W-66	 P.W-72



HSK / SOM SCREWED END MILL HOLDER

HSK / SOM 螺紋鎖固式刀桿

(DIN 69893-1)

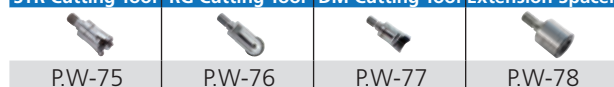


MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
39230	HSK50A x SOM6 - 60	85	60	25	24	6.5	13	15	M6 x 1.0P	0.70
39232	HSK50A x SOM8 - 60	85	60	25	24	8.5	15	17	M8 x 1.25P	0.70
39234	HSK50A x SOM10 - 60	85	60	25	24	10.5	19	21	M10 x 1.5P	0.80
39236	HSK50A x SOM12 - 70	95	70	31	36	12.5	21	24	M12 x 1.75P	0.80
39238	HSK50A x SOM16 - 80	105	80	31	49	17	25	29	M16 x 2.0P	0.80
39250	HSK63A x SOM6 - 60	92	60	25	24	6.5	13	15	M6 x 1.0P	1.00
39252	HSK63A x SOM8 - 60	92	60	25	24	8.5	15	17	M8 x 1.25P	1.00
39254	HSK63A x SOM10 - 60	92	60	25	24	10.5	19	21	M10 x 1.5P	1.10
39256	HSK63A x SOM12 - 70	102	70	31	34	12.5	21	23	M12 x 1.75P	1.10
39258	HSK63A x SOM16 - 80	112	80	30	49	17	25	29	M16 x 2.0P	1.10
39270	HSK100A x SOM6 - 90	140	90	25	51	6.5	13	17	M6 x 1.0P	2.18
39272	HSK100A x SOM8 - 90	140	90	25	51	8.5	15	19	M8 x 1.25P	2.19
39274	HSK100A x SOM10 - 95	145	95	25	56	10.5	19	23	M10 x 1.5P	2.26
39276	HSK100A x SOM12 - 90	140	90	31	51	12.5	21	25	M12 x 1.75P	2.31
39278	HSK100A x SOM16 - 100	150	100	31	61	17	25	30	M16 x 2.0P	2.55

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

STR Cutting Tool **RG Cutting Tool** **DM Cutting Tool** **Extension Spacer**

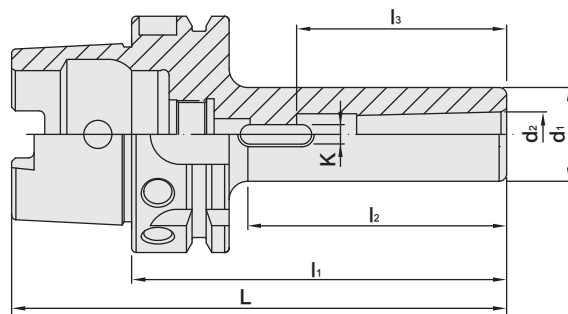


HSK MORSE TAPER ADAPTER

TANG TYPE

HSK 斜柄鑽頭套筒

(DIN 69893-1)





MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	K	WEIGHT (KGS)
35102	HSK50A x MTA1 - 100	125	100	69	56	25	12.065	5.2	1.50
35104	HSK50A x MTA2 - 120	145	120	89	67	32	17.78	6.3	1.80
35106	HSK50A x MTA3 - 140	165	140	113	84	40	23.825	7.9	1.90
35112	HSK63A x MTA1 - 100	132	100	69	56	25	12.065	5.2	1.90
35114	HSK63A x MTA2 - 120	152	120	89	67	32	17.78	6.3	2.00
35116	HSK63A x MTA3 - 140	172	140	109	84	40	23.825	7.9	2.20
35118	HSK63A x MTA4 - 160	192	160	132	107	48	31.267	11.9	2.50
35122	HSK100A x MTA1 - 110	160	110	71	56	25	12.065	5.2	3.40
35124	HSK100A x MTA2 - 120	170	120	81	67	32	17.78	6.3	3.80
35126	HSK100A x MTA3 - 150	200	150	111	84	40	23.825	7.9	4.00
35128	HSK100A x MTA4 - 170	220	170	131	107	48	31.267	11.9	4.60
35130	HSK100A x MTA5 - 200	250	200	166	135	63	44.399	15.9	5.20

МАШСЕРВИС

Features:

- ▶ Roundness: 0.005mm.
- ▶ MTA=TANG TYPE=DIN 228-B.

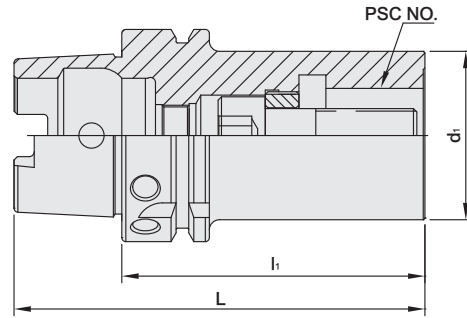
Coolant Supply Unit	Key
 P.W-66	 P.W-66



HSK / PSC ADAPTER



HSK / PSC 套筒

(DIN 69893-1)



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
73.501.32.075	HSK63A x PSC32 - 75	PSC32	107	75	32	M12 x 1.5P	45	33	0.92
73.501.40.080	HSK63A x PSC40 - 80	PSC40	112	80	40	M14 x 1.5P	55	40	1.06
73.501.50.090	HSK63A x PSC50 - 90	PSC50	122	90	50	M16 x 1.5P	95	70	1.39
75.501.32.080	HSK100A x PSC32 - 80	PSC32	130	80	32	M12 x 1.5P	45	33	2.25
75.501.40.090	HSK100A x PSC40 - 90	PSC40	140	90	40	M14 x 1.5P	55	40	2.43
75.501.50.100	HSK100A x PSC50 - 100	PSC50	150	100	50	M16 x 1.5P	95	70	2.80
75.501.63.110	HSK100A x PSC63 - 110	PSC63	160	110	63	M20 x 2.0P	170	125	3.41
75.501.63.150	HSK100A x PSC63 - 150	PSC63	200	150	63	M20 x 2.0P	170	125	4.18
75.501.63.200	HSK100A x PSC63 - 200	PSC63	250	200	63	M20 x 2.0P	170	125	5.14
75.501.63.250	HSK100A x PSC63 - 250	PSC63	300	250	63	M20 x 2.0P	170	125	6.10
75.501.63.300	HSK100A x PSC63 - 300	PSC63	350	300	63	M20 x 2.0P	170	125	7.07
75.501.80.120	HSK100A x PSC80 - 120	PSC80	170	120	80	M20 x 2.0P	170	125	4.93

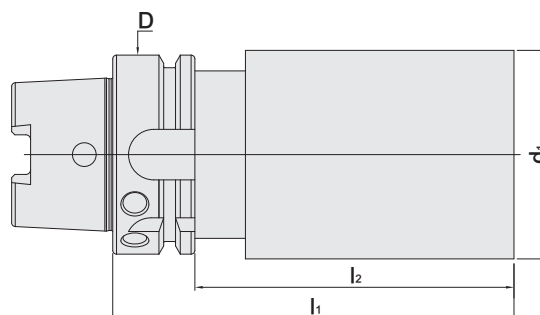
МАШСЕРВИС

Coolant Supply Unit	Key
 P.W-66	 P.W-66



HSK BLANK

HSK 素材



METRIC

MODEL NO.	TYPE	D	d ₁	l ₁	l ₂	WEIGHT (KGS)
70.001.67.043	HSK32A x ϕ 67 - 43.8	32	67	43.8	23.8	0.51
73.001.62.300	HSK63A x ϕ 62 - 3"	63	62	76.2	50.2	1.80
73.001.62.400	HSK63A x ϕ 62 - 4"	63	62	101.6	75.6	2.39
73.001.62.500	HSK63A x ϕ 62 - 5"	63	62	127	101	2.98
75.001.75.200	HSK100A x ϕ 75 - 200	100	75	200	171	7.87
75.001.97.250	HSK100A x ϕ 97 - 250	100	97	250	221	14.47
73T.001.62.150	HSKT63 x ϕ 62 - 150	63	62	150	124	3.51
73T.001.62.200	HSKT63 x ϕ 62 - 200	63	62	200	174	4.67
73T.001.62.250	HSKT63 x ϕ 62 - 250	63	62	250	224	5.84
73T.001.80.150	HSKT63 x ϕ 80 - 150	63	80	150	124	5.18
73T.001.80.200	HSKT63 x ϕ 80 - 200	63	80	200	174	7.12
73T.001.80.250	HSKT63 x ϕ 80 - 250	63	80	250	224	9.05
85.001.32.100	HSK32C x ϕ 32 - 100	32	32	100	-	0.79
88.001.115.150	HSK63C x ϕ 115 - 150	63	115	150	137.5	11.48

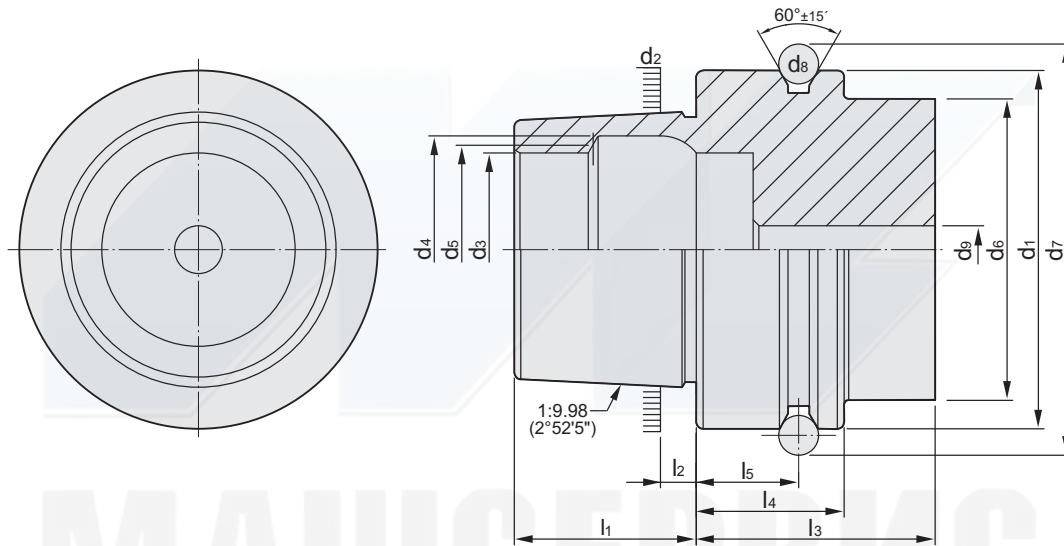
INCHES

73.001.92.600	HSK63A x ϕ 2.5" - 6"	63	2.5	6	4.98	3.69
75.001.77.200	HSK100A x ϕ 1.5" - 2"	100	1.5	2	0.86	2.25
75.001.77.812	HSK100A x ϕ 1.5" - 8.12"	100	1.5	8.12	6.98	3.61
75.001.77.110	HSK100A x ϕ 1.5" - 11"	100	1.5	11	9.86	4.25
75.001.99.100	HSK100A x ϕ 4" - 10"	100	4	10	8.86	15.85

REFERENCE DETAILS

DIN 69893 - E

- ▶ Shank body standard: **DIN 69893 - 5**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



FROM E

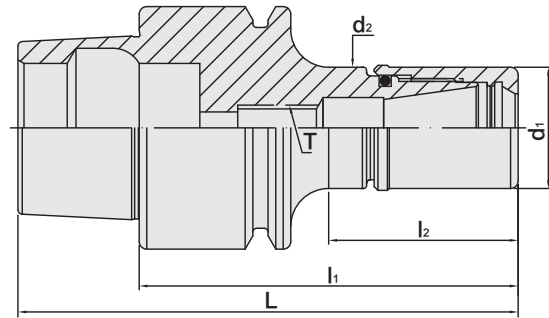
HSK	d ₁ h ₁₀	d ₂	d ₃ H ₁₀	d ₄ H ₁₁	d ₅	d ₆ max.	d ₇ 0 -0.1
25	25	19.006	14	16.4	15	20	28.5
32	32	24.007	17	20.5	19	26	37
40	40	30.007	21	25.5	23	34	45
50	50	38.009	26	32	29	42	59.3
63	63	48.010	34	40	37	53	72.3
80	80	60.012	42	50	46	68	88.8
100	100	75.013	53	63	58	88	109.75
125	125	95.016	67	80	73	111	134.75
HSK	d ₈	d ₉ max.	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1
25	3	3	13	2.5	20	10	4.5
32	4	4.2	16	3.2	35	20	16
40	4	5	20	4	35	20	16
50	7	6.8	25	5	42	26	18
63	7	8.4	32	6.3	42	26	18
80	7	10.2	40	8	42	26	18
100	7	12	50	10	45	29	20
125	7	14	63	12.5	45	29	20

HSK / PTER COLLET CHUCK

5 μ m

HSK / PTER 立銑刀夾頭

(DIN 69893-5)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 33200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
35802 - E	HSK25E x PTER8 - 35	48	35	23	12	12	-	3 ~ 5	0.06
35804 - E	HSK25E x PTER11 - 35	48	35	24	16	16	-	3 ~ 7	0.07
35806 - E	HSK25E x PTER16 - 48	61	48	28	22	22	-	3 ~ 10	0.10
35812 - E	HSK32E x PTER8 - 50	66	50	25	12	12	-	3 ~ 5	0.15
35814 - E	HSK32E x PTER11 - 50	66	50	25	16	16	M6 x 1.0P	3 ~ 7	0.16
35816 - 55 - E	HSK32E x PTER16 - 55	71	55	33	22	22	-	3 ~ 10	0.18
35816 - 60 - E	HSK32E x PTER16 - 60	76	60	38	22	22	-	3 ~ 10	0.19
35822 - E	HSK40E x PTER8 - 40	60	40	17	12	12	-	3 ~ 5	0.22
35824 - E	HSK40E x PTER11 - 40	60	40	19.5	16	16	-	3 ~ 7	0.22
35826 - 55 - E	HSK40E x PTER16 - 55	75	55	34	22	22	-	3 ~ 10	0.26
35828 - E	HSK40E x PTER20 - 55	75	55	34	28	28	-	3 ~ 13	0.30
35830 - E	HSK40E x PTER25 - 65	85	65	44	35	34	-	3 ~ 16	0.44

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PN-U 5 μ m collet.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-5	P.W-47	P.W-88	P.W-68~73

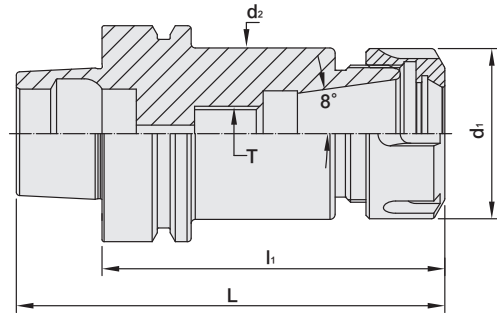


HSK / ER COLLET CHUCK



HSK / ER 立銑刀夾頭

(DIN 69893-5)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂ MAX.	T	SIZE RANGE	WEIGHT (KGS)
31376 - E	HSK40E x ER16A - 65	85	65	28	34	M10 x1.5P	1 ~ 10	0.35
31378 - E	HSK40E x ER20A - 60	80	60	34	34	-	1 ~ 13	0.35
31380 - E	HSK40E x ER20A - 100	120	100	34	34	M10 x 1.5P	1 ~ 13	0.45
31383 - E	HSK40E x ER25 - 75	95	75	42	34	M10 x 1.5P	1 ~ 16	0.40
31386 - E	HSK40E x ER32 - 100	120	100	50	34	M16 x 2.0P	2 ~ 20	0.92
31402 - E	HSK50E x ER16A - 80	105	80	28	42	M10 x 1.5P	1 ~ 10	0.50
31408 - E	HSK50E x ER20A - 80	105	80	34	42	M12 x 1.75P	1 ~ 13	0.60
31419 - E	HSK50E x ER32 - 85	110	85	50	42	-	2 ~ 20	1.30
31456 - E	HSK63E x ER32 - 90	122	90	50	53	M16 x 2.0P	2 ~ 20	2.50
31467 - E	HSK63E x ER40 - 75	107	75	63	53	-	3 ~ 26	2.65
31472 - E	HSK63E x ER40 - 120	152	120	63	53	M20 x 2.0P	3 ~ 26	2.77

МАШСЕРВИС

Features:

- ▶ Revolution of every tool holder is checked by a balancing machine.

Product information:

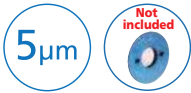
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71



HSK / SKX COLLET CHUCK



HSK / SKX 立銑刀夾頭

{ DIN 69893-5 }

Fig.1

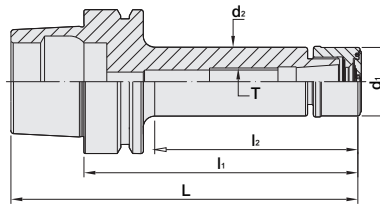
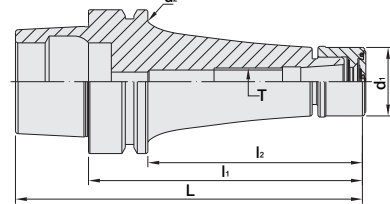


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
97.790.06.045	HSK25E x SKX6 - 45	58	45	34	18	18	-	-	3 ~ 6	1	0.10
97.790.10.055	HSK25E x SKX10 - 55	68	55	35	30	30	-	-	3 ~ 10	1	0.18
98.790.06.060	HSK32E x SKX6 - 60	76	60	36	18	18	-	-	3 ~ 6	1	0.17
98.790.10.060	HSK32E x SKX10 - 60	76	60	25	30	30	-	M6 x 1.0P	3 ~ 10	1	0.26
98.790.10.075	HSK32E x SKX10 - 75	91	75	40	30	30	-	M6 x 1.0P	3 ~ 10	1	0.30
99.790.06.060	HSK40E x SKX6 - 60	80	60	35	18	18	-	-	3 ~ 6	1	0.28
99.790.10.060	HSK40E x SKX10 - 60	80	60	38	30	30	-	M6 x 1.0P	3 ~ 10	1	0.40
99.790.10.075	HSK40E x SKX10 - 75	95	75	53	30	30	-	M6 x 1.0P	3 ~ 10	1	0.50
99.790.16.080	HSK40E x SKX16 - 80	100	80	45	40	40	-	-	3 ~ 16	1	0.60
100.790.06.060	HSK50E x SKX6 - 60	85	60	29	18	18	-	-	3 ~ 6	1	0.50
100.790.06.080	HSK50E x SKX6 - 80	105	80	49	18	18	-	M6 x 1.0P	3 ~ 6	1	0.60
100.790.10.060	HSK50E x SKX10 - 60	85	60	29	30	30	-	-	3 ~ 10	1	0.50
100.790.10.105	HSK50E x SKX10 - 105	130	105	74	30	30	-	M10 x 1.5P	3 ~ 10	1	0.70
100.790.16.080	HSK50E x SKX16 - 80	105	80	53	40	40	-	-	3 ~ 16	1	0.60
100.790.16.120	HSK50E x SKX16 - 120	145	120	92	40	40	-	M16 x 2.0P	3 ~ 16	1	1.10
101.790.06.100	HSK63E x SKX6 - 100	132	100	69	18	18	-	M6 x 1.0P	3 ~ 6	1	0.90
101.790.06.120	HSK63E x SKX6 - 120	152	120	94	18	18	53	M6 x 1.0P	3 ~ 6	2	1.00
101.790.10.105	HSK63E x SKX10 - 105	137	105	74	30	30	-	M10 x 1.5P	3 ~ 10	1	1.30
101.790.10.120	HSK63E x SKX10 - 120	152	120	94	30	30	53	M10 x 1.5P	3 ~ 10	2	1.50
101.790.10.150	HSK63E x SKX10 - 150	182	150	24	30	30	53	M10 x 1.5P	3 ~ 10	2	1.70
101.790.16.120	HSK63E x SKX16 - 120	152	120	94	40	40	-	M18 x 1.5P	3 ~ 16	1	1.70
101.790.16.150	HSK63E x SKX16 - 150	182	150	124	40	40	53	M18 x 1.5P	3 ~ 16	2	1.80
101.790.20.120	HSK63E x SKX20 - 120	152	120	94	48.5	48.5	53	M22 x 1.5P	3 ~ 20	2	1.80
101.790.20.135	HSK63E x SKX20 - 135	167	135	109	48.5	48.5	53	M22 x 1.5P	3 ~ 20	2	2.00
101.790.25.135	HSK63E x SKX25 - 135	167	135	109	55	-	-	M28 x 2.0P	3 ~ 25.4	1	1.90

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-88	P.W-68~73	P.W-72

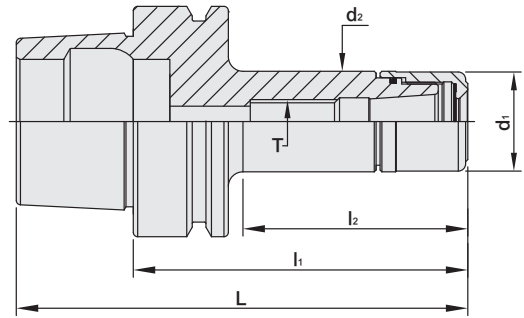


HSK / SK3 COLLET CHUCK

5 μ m

HSK / SK3 高速機專用夾頭

[DIN 69893-5]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
97.763.06.040	HSK25E x SK306 - 40	53	40	29	19.5	19.5	-	3 ~ 6	0.50
97.763.06.060	HSK25E x SK306 - 60	73	60	49	19.5	19.5	M8 x 1.25P	3 ~ 6	0.70
98.763.06.045	HSK32E x SK306 - 45	61	45	24	19.5	19.5	-	3 ~ 6	0.50
98.763.06.060	HSK32E x SK306 - 60	76	60	38	19.5	19.5	M8 x 1.25P	3 ~ 6	0.70
99.763.06.045	HSK40E x SK306 - 45	65	45	24	19.5	19.5	-	3 ~ 6	0.70
99.763.06.060	HSK40E x SK306 - 60	80	60	38	19.5	19.5	M8 x 1.25P	3 ~ 6	0.80
99.763.06.075	HSK40E x SK306 - 75	95	75	53	19.5	19.5	M8 x 1.25P	3 ~ 6	0.90
99.763.10.060	HSK40E x SK310 - 60	80	60	38	27.5	27.5	-	3 ~ 10	0.90
99.763.10.075	HSK40E x SK310 - 75	95	75	53	27.5	27.5	M12 x 1.75P	3 ~ 10	1.00
99.763.13.060	HSK40E x SK313 - 60	80	60	39	33	33	-	3 ~ 13	0.90
99.763.13.075	HSK40E x SK313 - 75	95	75	54	33	33	-	3 ~ 13	1.00
99.763.16.075	HSK40E x SK316 - 75	95	75	40	40	40	-	3 ~ 16	1.00
100.763.06.060	HSK50E x SK306 - 60	85	60	32	19.5	19.5	M8 x 1.25P	3 ~ 6	1.00
100.763.06.075	HSK50E x SK306 - 75	100	75	44	19.5	19.5	M8 x 1.25P	3 ~ 6	1.20
100.763.06.090	HSK50E x SK306 - 90	115	90	59	19.5	19.5	M8 x 1.25P	3 ~ 6	1.40
100.763.10.060	HSK50E x SK310 - 60	85	60	33	27.5	27.5	-	3 ~ 10	0.90
100.763.10.075	HSK50E x SK310 - 75	100	75	44	27.5	27.5	M12 x 1.75P	3 ~ 10	1.00
100.763.10.090	HSK50E x SK310 - 90	115	90	59	27.5	27.5	M12 x 1.75P	3 ~ 10	1.20
100.763.13.060	HSK50E x SK313 - 60	85	60	33	33	33	-	3 ~ 13	0.90
100.763.13.075	HSK50E x SK313 - 75	100	75	46	33	33	M12 x 1.75P	3 ~ 13	1.00
100.763.13.090	HSK50E x SK313 - 90	115	90	61	33	33	M12 x 1.75P	3 ~ 13	1.20
100.763.16.075	HSK50E x SK316 - 75	100	75	48	40	40	-	3 ~ 16	1.00
100.763.16.090	HSK50E x SK316 - 90	115	90	63	40	40	M18 x 1.5P	3 ~ 16	1.20

Features:

- ▶ The length of SK3 clamping nut is longer and the front thread of SK3 collet chuck is designed with an O-ring, which prevents coolant fluid and metal chips from getting into the tool holder.
- ▶ SK3 is exchangeable with other brands of SKS collets on the market.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

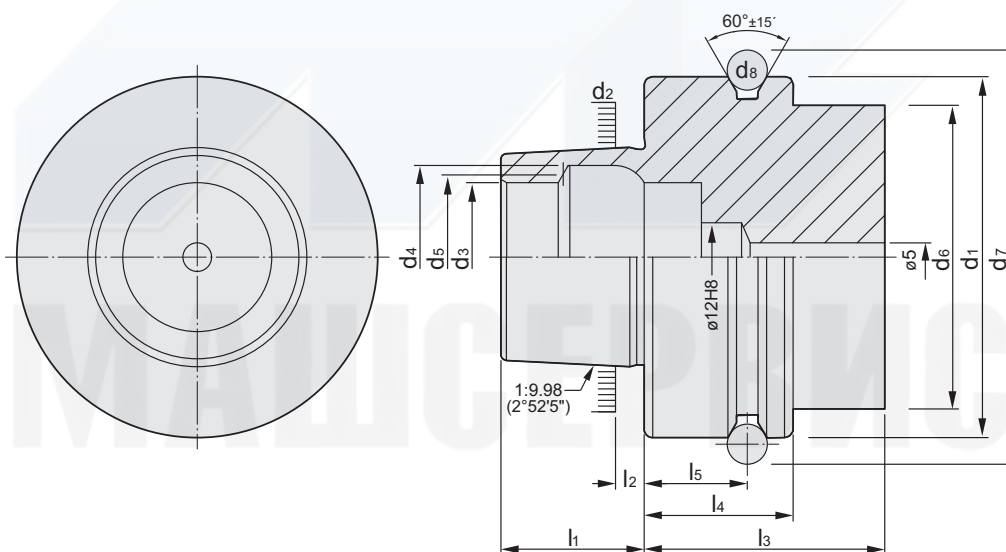
Collet	Nut	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-88	P.W-68~73



REFERENCE DETAILS

DIN 69893 - F

- ▶ Shank body standard: **DIN 69893 - 6**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.6 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



FROM F

HSK	d ₁ h ₁₀	d ₂	d ₃ H ₁₀	d ₄ H ₁₁	d ₅	d ₆ max.	d ₇ 0 -0.1
50	50	30.007	21	25.5	23	42	59.3
63	63	38.009	26	32	29	53	72.3
HSK	d ₈	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1	
50	7	20	4	42	26	18	
63	7	25	5	42	26	18	

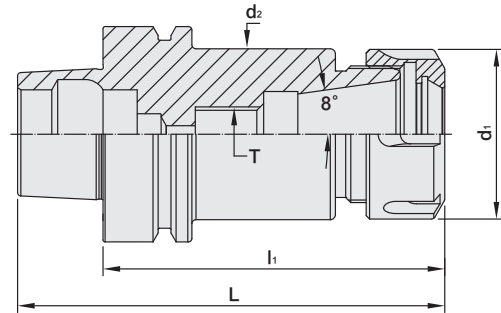




HSK / ER COLLET CHUCK

HSK / ER 立銑刀夾頭

(DIN 69893-6)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂ MAX.	T	SIZE RANGE	WEIGHT (KGS)
31402 - F	HSK50F x ER16A - 80	100	80	28	42	M10 x 1.5P	1 ~ 10	0.50
31404 - F	HSK50F x ER16A - 100	120	100	28	42	M10 x 1.5P	1 ~ 10	0.55
31406 - F	HSK50F x ER16A - 120	140	120	28	42	M10 x 1.5P	1 ~ 10	0.70
31408 - F	HSK50F x ER20A - 80	100	80	34	42	M12 x 1.75P	1 ~ 13	0.60
31410 - F	HSK50F x ER20A - 100	120	100	34	42	M12 x 1.75P	1 ~ 13	0.65
31412 - F	HSK50F x ER20A - 120	140	120	34	42	M12 x 1.75P	1 ~ 13	0.70
31414 - F	HSK50F x ER25 - 80	100	80	42	42	M16 x 2.0P	1 ~ 16	0.70
31416 - F	HSK50F x ER25 - 100	120	100	42	42	M16 x 2.0P	1 ~ 16	0.80
31418 - F	HSK50F x ER25 - 135	155	135	42	42	M16 x 2.0P	1 ~ 16	0.90
31420 - F	HSK50F x ER32 - 100	120	100	50	42	M16 x 2.0P	2 ~ 20	1.35
31422 - F	HSK50F x ER32 - 135	155	135	50	42	M16 x 2.0P	2 ~ 20	1.50
31424 - F	HSK50F x ER32 - 160	180	160	50	42	M16 x 2.0P	2 ~ 20	1.70

МАШСЕРВИС

Features:

- ▶ Revolution of every tool holder is checked by a balancing machine.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71

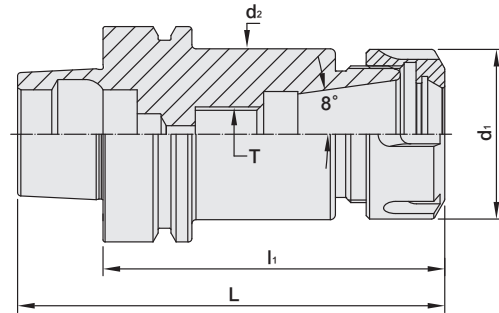


HSK / ER COLLET CHUCK



HSK / ER 立銑刀夾頭

(DIN 69893-6)
(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂ MAX.	T	SIZE RANGE	WEIGHT (KGS)
31432 - F	HSK63F x ER16A - 80	105	80	28	53	M10 x 1.5P	1 ~ 10	1.50
31434 - F	HSK63F x ER16A - 100	125	100	28	53	M10 x 1.5P	1 ~ 10	1.55
31436 - F	HSK63F x ER16A - 120	145	120	28	53	M10 x 1.5P	1 ~ 10	1.70
31438 - F	HSK63F x ER16A - 160	185	160	28	53	M10 x 1.5P	1 ~ 10	1.90
31440 - F	HSK63F x ER20A - 80	105	80	34	53	M12 x 1.75P	1 ~ 13	1.60
31442 - F	HSK63F x ER20A - 100	125	100	34	53	M12 x 1.75P	1 ~ 13	1.70
31444 - F	HSK63F x ER20A - 120	145	120	34	53	M12 x 1.75P	1 ~ 13	1.80
31446 - F	HSK63F x ER20A - 160	185	160	34	53	M12 x 1.75P	1 ~ 13	2.00
31448 - F	HSK63F x ER25 - 80	105	80	42	53	M16 x 2.0P	1 ~ 16	1.70
31450 - F	HSK63F x ER25 - 100	125	100	42	53	M16 x 2.0P	1 ~ 16	1.80
31452 - F	HSK63F x ER25 - 120	145	120	42	53	M16 x 2.0P	1 ~ 16	2.00
31454 - F	HSK63F x ER25 - 150	175	150	42	53	M16 x 2.0P	1 ~ 16	2.30
30000 - F	HSK63F x ER32 - 70	95	70	50	53	-	2 ~ 20	2.50
31462 - F	HSK63F x ER32 - 100	125	100	50	53	M16 x 2.0P	2 ~ 20	2.55
31464 - F	HSK63F x ER32 - 145	170	145	50	53	M16 x 2.0P	2 ~ 20	2.70
31466 - F	HSK63F x ER32 - 160	185	160	50	53	M16 x 2.0P	2 ~ 20	3.10
30001 - F	HSK63F x ER40 - 75	100	75	63	53	-	3 ~ 26	2.65
31470 - F	HSK63F x ER40 - 100	125	100	63	53	M20 x 2.0P	3 ~ 26	2.70
31472 - F	HSK63F x ER40 - 120	145	120	63	53	M20 x 2.0P	3 ~ 26	2.77
31474 - F	HSK63F x ER40 - 150	175	150	63	53	M20 x 2.0P	3 ~ 26	2.95
31476 - F	HSK63F x ER40 - 170	195	170	63	53	M20 x 2.0P	3 ~ 26	3.10
31478 - F	HSK63F x ER50 - 120	145	120	78	53	M24 x 2.0P	5 ~ 34	3.50

Features:

- ▶ Revolution of every tool holder is checked by a balancing machine.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71



HSK / SKX COLLET CHUCK

5 μ m



HSK / SKX 立銑刀夾頭

{ DIN 69893-6 }



Fig.1

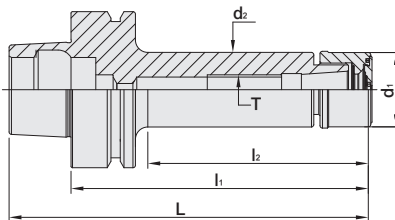
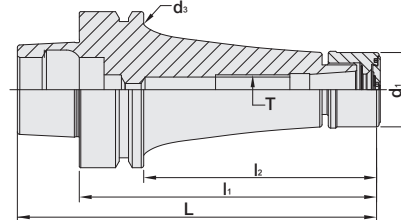


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	SIZE RANGE	Fig.	WEIGHT (KGS)
103.790.10.090	HSK63F x SKX10 - 90	115	90	60	30	30	-	M12 x 1.75P	3 ~ 10	1	0.86
103.790.10.105	HSK63F x SKX10 - 105	130	105	75	30	30	-	M12 x 1.75P	3 ~ 10	1	0.94
103.790.16.090	HSK63F x SKX16 - 90	115	90	59	40	40	-	M18 x 1.5P	3 ~ 16	1	0.96
103.790.16.105	HSK63F x SKX16 - 105	130	105	74	40	40	-	M18 x 1.5P	3 ~ 16	1	1.08
103.790.16.120	HSK63F x SKX16 - 120	145	120	94	40	40	53	M18 x 1.5P	3 ~ 16	2	1.30
103.790.20.120	HSK63F x SKX20 - 120	145	120	81	48.5	48.5	-	M22 x 1.5P	3 ~ 20	1	1.50
103.790.25.090	HSK63F x SKX25 - 90	115	90	48	55	55	-	-	3 ~ 25.4	1	1.12

МАШСЕРВИС

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

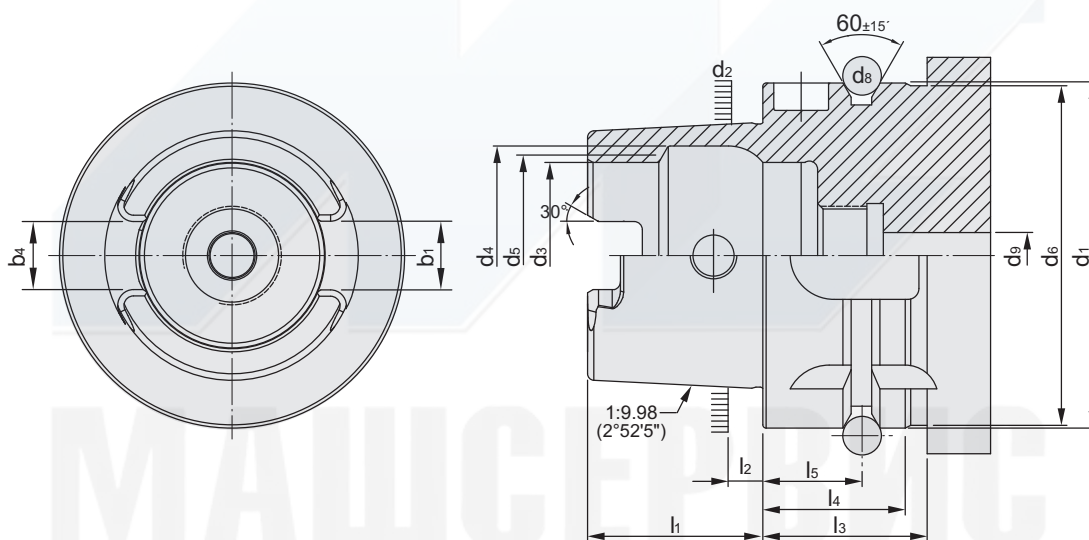
Collet	Nut	Sealed Cap	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-88	P.W-68~73	P.W-72



REFERENCE DETAILS

DIN ISO 12164 - 3

- ▶ Shank body standard: **ISO-12164-3:2014**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



FROM T

HSK	d ₁ h10	d ₂	d ₃ H10	d ₄ H11	d ₅	d ₆ max.	d ₈	d ₉ max.
32	32	24.007	17	20.5	19	31	4	4.2
40	40	30.007	21	25.5	23	39	4	5
50	50	38.009	26	32	29	49	7	6.8
63	63	48.010	34	40	37	62	7	8.4
80	80	60.012	42	50	46	79	7	10.2
100	100	75.013	53	63	58	99	7	12
HSK	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1	b ₁ +0.04 -0.04	b ₄	
32	16	3.2	23	20	16	7.05	6.932	
40	20	4	23	20	16	8.05	7.932	
50	25	5	30	26	18	10.54	10.425	
63	32	6.3	30	26	18	12.54	12.425	
80	40	8	30	26	18	16.04	15.93	
100	50	10	34	29	20	20.02	19.91	



DESIGNATION OF HSK-T TURNING TOOLS

HSK-T 編碼原則

CLAMP MECHANISM			
A	Back clamp system	M	Multi-clamp system
C	Clamp-on system	P	Pin lock system
D	Double clamp system	S	Screw-on system
E	Off-set pin system	T	Taper lock system
JS	Screw-on system	W	Wedge-on system
JT	Back clamp system		

INSERT CLEARANCE	
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°

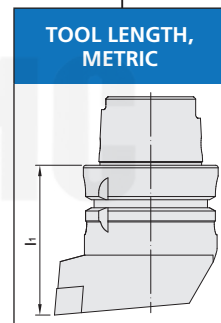
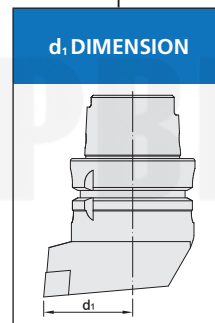
INSERT EDGE LENGTH					
Insert inscribed circle	6.35	7.94	9.525	12.00	12.70
	06	08	09	-	12
	07	-	11	-	15
	11	-	16	-	-
	-	-	-	12	-
	11	13	16	-	22
	-	-	09	-	12

HSK - T63 - M C L N R - 45 065 - 12

INSERT GEOMETRY		
C		80°
D		55°
K		55°
R		
S		
T		
V		35°
W		80°
L		
H		120°
A		85°
B		82°
E		75°
M		86°
O		135°
P		108°

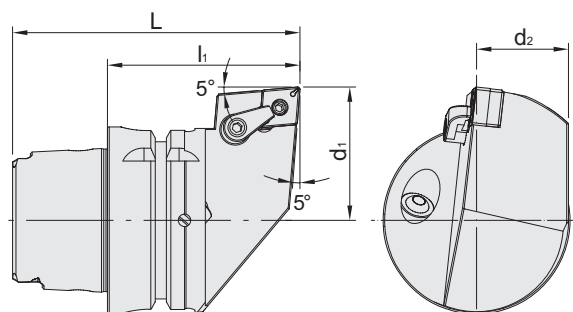
CUTTING EDGE GEOMETRY			
A - 90°		M - 50°	
B - 75°		N - 63°	
C - 90°		P - 117.5°	
D - 45°		R - 75°	
E - 60°		S - 45°	
F - 90°		T - 60°	
G - 90°		U - 93°	
H - 107.5°		V - 72.5°	
J - 93°		W - 60°	
K - 75°		Y - 85°	
L - 95°			

HAND
R
L
N



MCLN EXTERNAL TURNING TOOL

MCLN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
73T.475.12R.065	HSK-T63 - MCLNR - 45065 - 12	97	65	45	31	CN..1204	1.26
73T.475.12L.065	HSK-T63 - MCLNL - 45065 - 12	97	65	45	31	CN..1204	1.26

Product information:

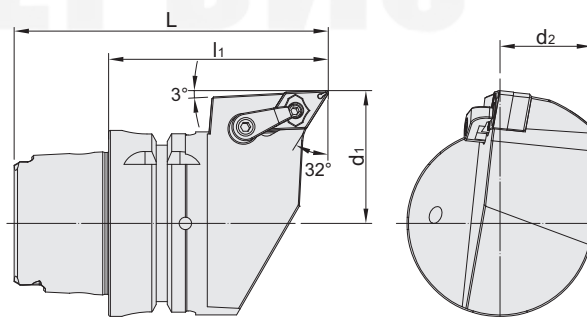
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
				
CN..1204	MC620	SMC432	MS630	MLP46L-A

MDJN EXTERNAL TURNING TOOL

MDJN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
73T.476.15R.075	HSK-T63 - MDJNR - 45075 - 15	107	75	45	31	DN..1504	1.38
73T.476.15L.075	HSK-T63 - MDJNL - 45075 - 15	107	75	45	31	DN..1504	1.38

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

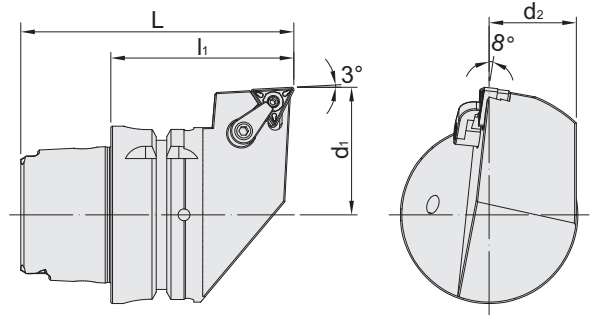
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
DN..1504	MC622	SMD463	MS630	MLP46L-A



MTJN EXTERNAL TURNING TOOL

MTJN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
73T.477.16R.065	HSK-T63 - MTJNR - 45065 - 16	97	65	45	31	TN..1604	1.27
73T.477.16L.065	HSK-T63 - MTJNL - 45065 - 16	97	65	45	31	TN..1604	1.27

Product information:

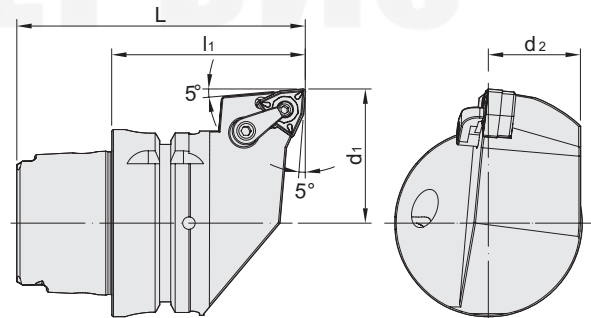
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
TN..1604	MC620	SMT322	MS630	MLP34L-A

MWLN EXTERNAL TURNING TOOL

MWLN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
73T.478.08R.065	HSK-T63 - MWLNR - 45065 - 08	97	65	45	31	WN..0804	1.22
73T.478.08L.065	HSK-T63 - MWLNL - 45065 - 08	97	65	45	31	WN..0804	1.22

Product information:

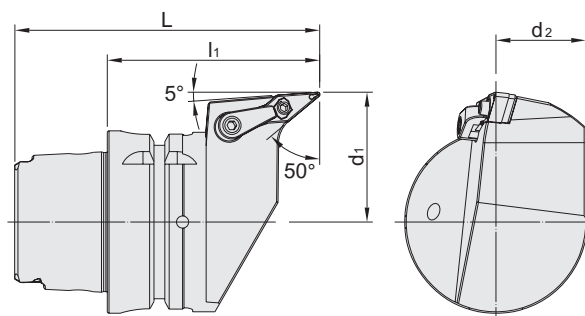
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
WN..0804	MC620	SMW422	MS630	MLP46L-A

MVLN EXTERNAL TURNING TOOL

MVLN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
73T.479.16R.075	HSK-T63 - MVLNR - 45075 - 16	107	75	45	31	VN..1604	1.30
73T.479.16L.075	HSK-T63 - MVLNL - 45075 - 16	107	75	45	31	VN..1604	1.30

Product information:

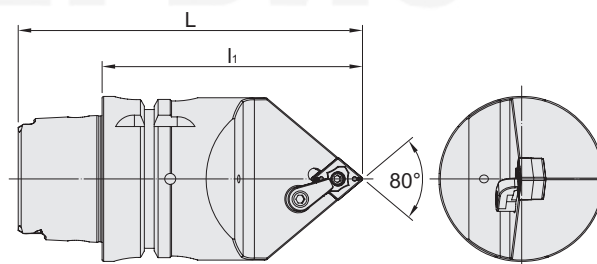
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
				
VN..1604	MC622	SMV322	MS630	MLP34L-A

MCMN EXTERNAL TURNING TOOL

MCMN 外徑車刀



MODEL NO.	TYPE	L	l ₁	Insert	WEIGHT (KGS)
73T.480.12N.100	HSK-T63 - MCMNN - 00100 - 12	132	100	CN..1204	1.68
73T.480.12N.140	HSK-T63 - MCMNN - 00140 - 12	172	140	CN..1204	1.68

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

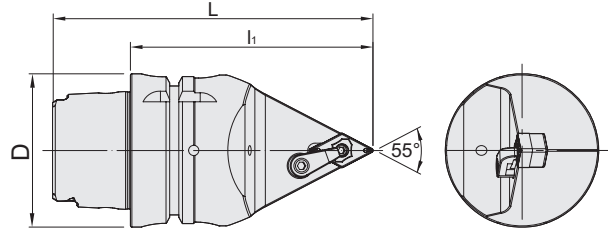
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
CN..1204	MC620	SMC432	MS620	MLP46L-A



MDNN EXTERNAL TURNING TOOL

MDNN 外徑車刀



MODEL NO.	TYPE	L	li	D	Insert	WEIGHT (KGS)
73T.481.15N.100	HSK-T63 - MDNNN - 00100 - 15	132	100	63	DN..1504	1.55
73T.481.15N.140	HSK-T63 - MDNNN - 00140 - 15	172	140	63	DN..1504	1.55

Product information:

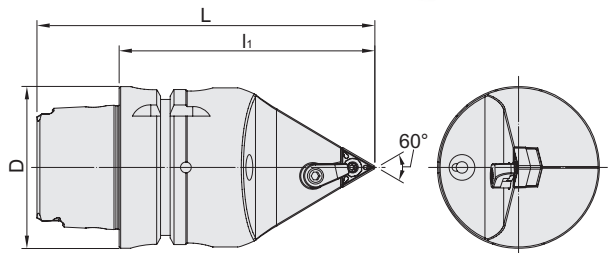
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
				
DN..1504	MC622	SMD463	MS625	MLP46L-A

MTEN EXTERNAL TURNING TOOL

MTEN 外徑車刀



MODEL NO.	TYPE	L	li	D	Insert	WEIGHT (KGS)
73T.482.16N.100	HSK-T63 - MTENN - 00100 - 16	132	100	63	TN..1604	1.62
73T.482.16N.140	HSK-T63 - MTENN - 00140 - 16	172	140	63	TN..1604	1.62

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

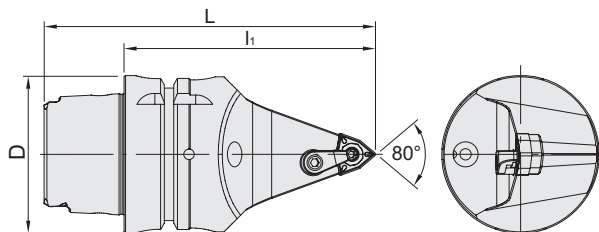
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
TN..1604	MC620	SMT322	MS630	MLP34L-A



MWMN EXTERNAL TURNING TOOL

MWMN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	Insert	WEIGHT (KGS)
73T.483.08N.100	HSK-T63 - MWMNN - 00100 - 08	132	100	63	WN..0804	1.48
73T.483.08N.140	HSK-T63 - MWMNN - 00140 - 08	172	140	63	WN..0804	1.48

Product information:

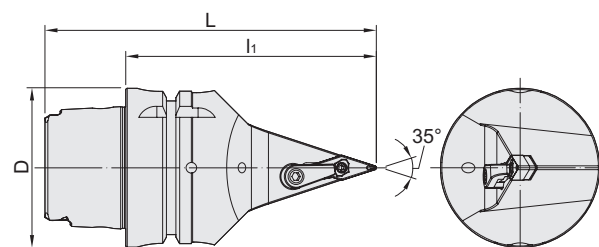
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
WN..0804	MC620	SMW422	MS630	MLP46L-A

MVNN EXTERNAL TURNING TOOL

MVNN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	Insert	WEIGHT (KGS)
73T.484.16N.100	HSK-T63 - MVVNN - 00100 - 16	132	100	63	VN..1604	1.40
73T.484.16N.140	HSK-T63 - MVVNN - 00140 - 16	172	140	63	VN..1604	1.40

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

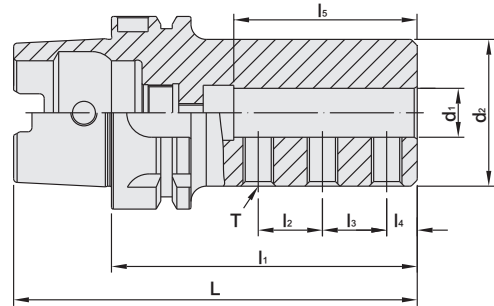
Insert	Clamp	Shim	Screw	Screw
VN..1604	MC622	SMV322	MS630	MLP34L-A



SIDE LOCK HOLDER

FOR INTERNAL TURNING BAR

SLT 側固式刀柄 [用於內徑車刀]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
73T.797.08.070	HSK-T63 x SLT8 - 70	102	70	10	10	6	32	8	28	M6	0.93
73T.797.10.080	HSK-T63 x SLT10 - 80	112	80	12	12	8	40	10	35	M8	1.10
73T.797.12.090	HSK-T63 x SLT12 - 90	122	90	16	16	8	45	12	42	M8	1.36
73T.797.16.100	HSK-T63 x SLT16 - 100	132	100	21	21	10	60	16	48	M10	1.60
73T.797.20.120	HSK-T63 x SLT20 - 120	152	120	20	20	12	60	20	52	M10	2.03
73T.797.25.140	HSK-T63 x SLT25 - 140	172	140	23	23	14	67	25	56	M12	2.52
73T.797.32.160	HSK-T63 x SLT32 - 160	192	160	26	26	16	74	32	64	M12	3.34

► Use screws to change the coolant outlet from tool coolant hole or from tool holder.

	MODEL NO.	TYPE
<p>SCREW FOR COOLANT OUTLET FROM TOOL</p>	B06 - 01M4 x 0.7P - 503	SLT8
	B06 - 01M5 x 0.8P - 503	SLT10
	B06 - 01M6 x 1.0P - 603	SLT12, SLT16, SLT20
	B06 - 01M8 x 1.25P - 603	SLT25, SLT32
<p>SCREW FOR COOLANT OUTLET FROM TOOL HOLDER</p>	B05 - 03M6 x 1.0P - 803	M6 x 1.0P - 8L EBSS6-8

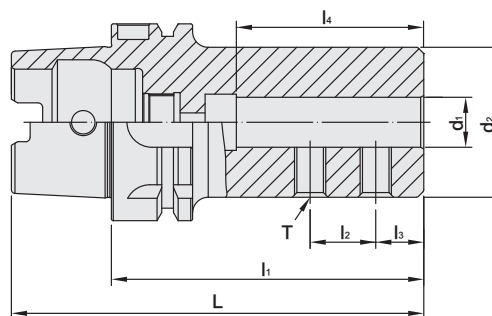
Product information:
 ► Both screws are standard accessories.



SIDE LOCK HOLDER

FOR HIGH SPEED DRILL

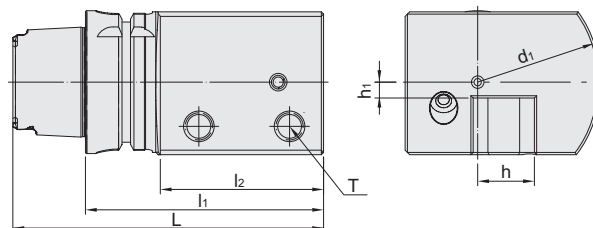
SLD 側固式刀柄 [用於快鑽]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	T	WEIGHT (KGS)
73T.798.08.065	HSK-T63 x SLD8 - 65	97	65	18	10	34	8	28	M8	0.84
73T.798.10.070	HSK-T63 x SLD10 - 70	102	70	20	12	39	10	35	M8	0.97
73T.798.12.070	HSK-T63 x SLD12 - 70	102	70	20	12	39	12	42	M8	1.10
73T.798.16.075	HSK-T63 x SLD16 - 75	107	75	20	15	44	16	48	M10	1.26
73T.798.20.075	HSK-T63 x SLD20 - 75	107	75	20	15	44	20	52	M10	1.34
73T.798.25.085	HSK-T63 x SLD25 - 85	117	85	23	17	52	25	62	M12	1.79
73T.798.32.090	HSK-T63 x SLD32 - 90	122	90	27	17	56	32	62	M12	1.74
73T.798.40.100	HSK-T63 x SLD40 - 100	132	100	28	22	62	40	68	M16	2.00

EXTERNAL TURNING TOOL HOLDER

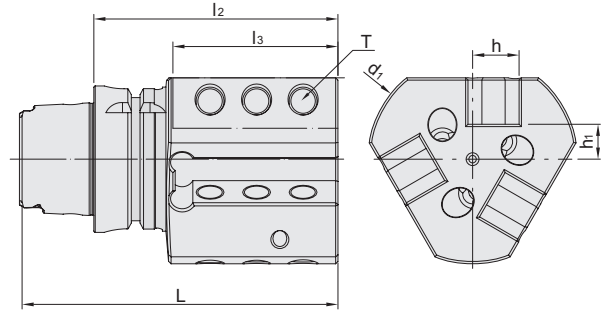
外徑車刀架



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	h	h ₁	T	WEIGHT (KGS)
73T.S25R.105	HSK-T63 x S25R - 105	137	105	70	54	25	6	M12 x 1.75P	3.40
73T.S25L.105	HSK-T63 x S25L - 105	137	105	70	54	25	6	M12 x 1.75P	3.40

EXTERNAL TURNING TOOL HOLDER

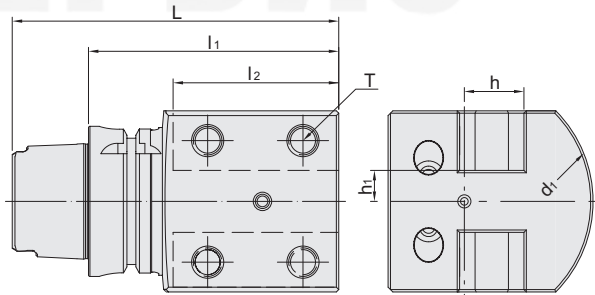
SV 外徑車刀架



MODEL NO.	TYPE	L	l ₂	l ₃	d ₁	h	h ₁	T	WEIGHT (KGS)
73T.SV20R.105	HSK-T63 x SV20R - 105	137	105	70	90	20	15	M12 x 1.75P	2.72
73T.SV20L.105	HSK-T63 x SV20L - 105	137	105	70	90	20	15	M12 x 1.75P	2.72

EXTERNAL TURNING TOOL HOLDER

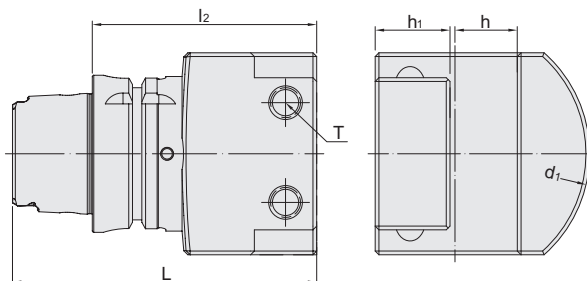
SB 外徑車刀架



MODEL NO.	TYPE	L	l ₁	l ₂	h	h ₁	d ₁	T	WEIGHT (KGS)
73T.SB25R.105	HSK-T63 x SB25R - 105	137	105	70	25	13	54	M12 x 1.75P	2.98

EXTERNAL TURNING TOOL HOLDER

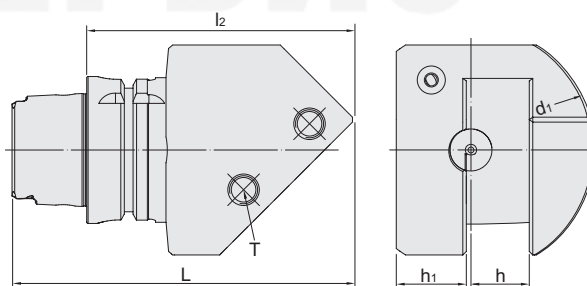
SF 外徑車刀架



MODEL NO.	TYPE	L	l ₂	h	h ₁	d ₁	T	WEIGHT (KGS)
73T.SF25.090	HSK-T63 x SF25 - 90	122	90	25	30	54	M12 x 1.75P	3.05
73T.SF25.120	HSK-T63 x SF25 - 120	152	120	25	30	54	M12 x 1.75P	3.99

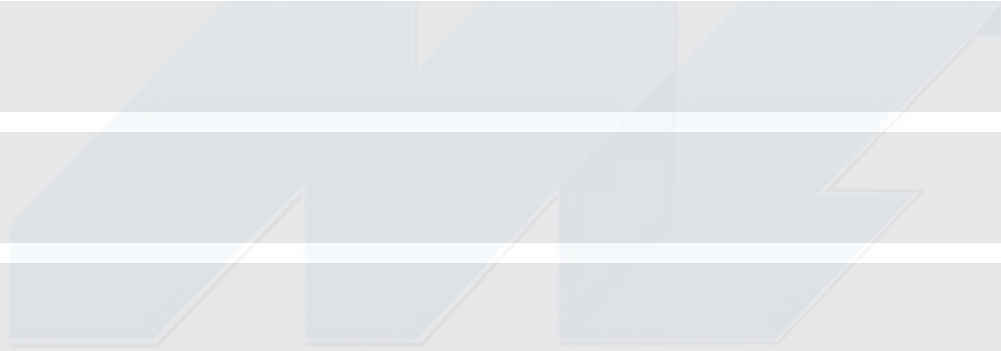
EXTERNAL TURNING TOOL HOLDER

SN 外徑車刀架



MODEL NO.	TYPE	L	l ₂	d ₁	h	h ₁	T	WEIGHT (KGS)
73T.SN25R.115	HSK-T63 x SN25R - 115	147	115	53	25	30	M12 x 1.75P	3.40
73T.SN25L.115	HSK-T63 x SN25L - 115	147	115	53	25	30	M12 x 1.75P	3.40

MEMO



МАШСЕРВИС



PSC

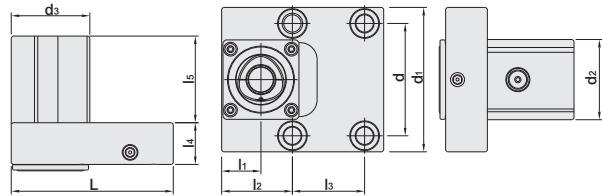
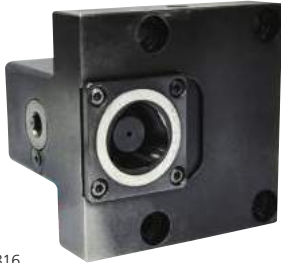
CATEGORY

ISO 26623 - 1

EOTP ONE-PIECE EXTERNAL TOOL POST	H-2
IOTP ONE-PIECE INTERNAL TOOL POST	H-2
IOTP-QR ONE-PIECE INTERNAL TOOL POST	H-3
AL ADAPTER	H-4
HIGH-PRESSURE COOLANT PIPE	H-4
EXTERNAL TURNING TOOL	H-7~16
EXTERNAL TURNING TOOL HOLDER	H-17~18
PSC / STUP INTERNAL BORING BAR	H-19
PSC / SCLC INTERNAL BORING BAR	H-20
PSC / SDUC INTERNAL BORING BAR	H-21
PSC / IAP INDEXABLE END MILL CUTTER	H-22
PSC / CIAP INDEXABLE END MILL CUTTER	H-23
PSC / MAP INDEXABLE END MILL CUTTER	H-24
PSC / CMAP INDEXABLE END MILL CUTTER	H-25
PSC / SPD HIGH SPEED DRILL	H-26~27
PNER COLLET CHUCK	H-28
PTER COLLET CHUCK	H-29~30
UT COLLET CHUCK	H-31~32
ER COLLET CHUCK	H-33
SKX COLLET CHUCK	H-34
SK3 COLLET CHUCK	H-35
SKS COLLET CHUCK	H-36
SBL SLIM-FIT COLLET CHUCK	H-37
SBLC SLIM-FIT COLLET CHUCK	H-38
EBL SLIM-FIT COLLET CHUCK	H-39
MLD MULTI - LOCK MILLING CHUCK	H-40~41
SLN SIDE LOCK END MILL HOLDER	H-42~44
FACE MILL ARBOR [FMA/FMB TYPE]	H-45~46
FACE MILL ARBOR [FMC TYPE]	H-47
SCA SIDE CUTTER ADAPTER	H-48
EXTENSION ADAPTER	H-49~50
BLANK	H-51

EOTP ONE-PIECE EXTERNAL TOOL POST FOR LATHE

EOTP 一體式外徑刀座



T W PAT NO. M507816
J P PAT NO. 3203371
D E PAT NO. Nr.202016100572

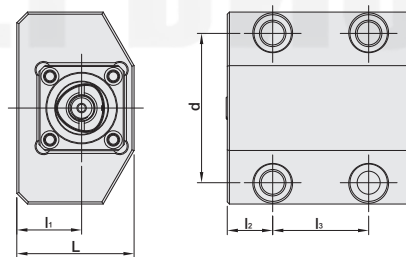
MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d	d ₁	d ₂	d ₃	APPLICABLE TYPE	MACHINE BRAND	WEIGHT (KGS)
305.C4.TLE.OR	EOTP40 - OR	108.5	24.5	43.5	35	26	54	76	105	50	49	PSC40	VICTOR TAICHUNG	2.81
305.C4.TLE.HAAS	EOTP40 - HA	101	24.5	44.1	45	26	54	70	90	50	49	PSC40	HAAS	2.40
305.C4.TLE.MORI	EOTP40 - MO	108.5	24.5	44	35	26	54	76	105	50	49	PSC40	DMG MORI	2.88
305.C4.TLE.MAZAK	EOTP40 - MA	104	24.5	32.75	60	33.5	45	84	104	49	47.75	PSC40	MAZAK	2.90
305.C4.TLE.GW	EOTP40 - GW	114	24.5	49	35	26	54	76	105	50	49	PSC40	GOODWAY	2.99
305.C4.TLE.EX	EOTP40 - EX	104	24.5	39	45	26	54	92	114	50	59	PSC40	TAKISAWA	2.90

Product information: ▶ Refer to P.H-5 for turning tool.

IOTP ONE-PIECE INTERNAL TOOL POST FOR LATHE

IOTP 一體式內徑刀座 [後拉式]

Lock from here →



T W PAT NO. M507816
J P PAT NO. 3203371
D E PAT NO. Nr.202016100572

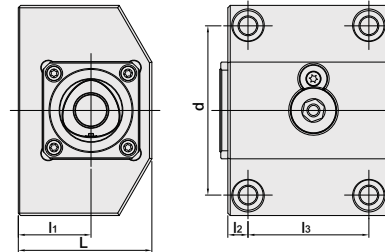
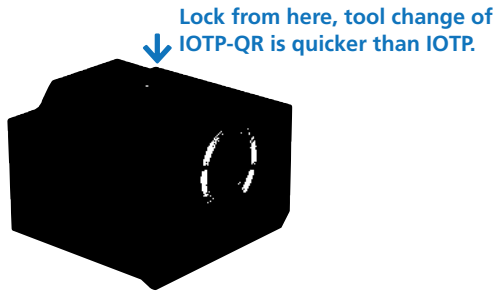
MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d	APPLICABLE TYPE	MACHINE BRAND	WEIGHT (KGS)
305.C4.HAAS	IOTP40 - HA	60	30.4	21.3	45	70	PSC40	HAAS	2.70
305.C4.MAZAK	IOTP40 - MA	93.2	63	10	60	84	PSC40	MAZAK	4.41
305.C4.MORI	IOTP40 - MO	80	46	25	35	76	PSC40	DMG MORI	4.10
305.C4.OR	IOTP40 - OR	81	46	25	35	76	PSC40	VICTOR TAICHUNG	4.15
305.C4.GW	IOTP40 - GW	75	40	25	35	76	PSC40	GOODWAY	4.20

Features:

- ▶ One-piece tool post can be customized as per customer's machines.
- ▶ One-piece tool post with PSC interface.
- ▶ Quick tool change in 10~30 seconds.
- ▶ PSC interface achieves high repeated positional precision $\pm 2\mu\text{m}$.
- ▶ Durable for high coolant pressure 70 bar.

IOTP-QR ONE-PIECE INTERNAL TOOL POST FOR LATHE

IOTP-QR 一體式內徑刀座



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d	APPLICABLE TYPE	MACHINE BRAND	WEIGHT (KGS)
305.C4.QR.MA	IOTP40 - QR - MA	89.5	63	10	60	84	PSC40	MAZAK	4.92
305.C4.QR.MO	IOTP40 - QR - MO	72.5	46	25	35	76	PSC40	DMG MORI	4.47
305.C4.QR.OR	IOTP40 - QR - OR	72.5	46	25	35	76	PSC40	VICTOR TAICHUNG	4.52
305.C4.QR.GW	IOTP40 - QR - GW	66.5	40	25	35	76	PSC40	GOODWAY	4.46
305.C4.QR.YI	IOTP40 - QR - YI	66.5	40	14	42	68	PSC40	YANG IRON	4.47
305.C4.QR.YI-8	IOTP40 - QR - YI - 8"	85.5	59	21.5	56	88	PSC40	YANG IRON	5.35
305.C4.QR.EX	IOTP40 - QR - EX	70.2	30.2	20	45	92	PSC40	TAKISAWA	5.25

МАШСЕРВИС

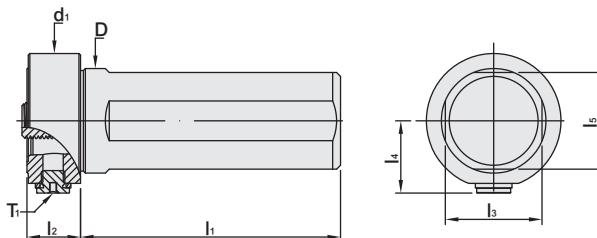
Features:

- ▶ One-piece tool post can be customized as per customer's machines.
- ▶ One-piece tool post with PSC interface.
- ▶ Quick tool change in 10~30 seconds.
- ▶ PSC interface achieves high repeated positional precision $\pm 2\mu\text{m}$.
- ▶ Durable for high coolant pressure 70 bar.



AL ADAPTER FOR LATHE

AL 車床套筒 [PSC 刀桿專用]



MODEL NO.	TYPE	l ₁	l ₂	l ₃	l ₄	l ₅	D	d ₁	T ₁	APPLICABLE MACHINE	WEIGHT (KGS)
161.C25.073	AL3 x C25 - 73	73	25	23	26	23	25	45.5	PF1/8	-	0.48
161.C32.080	AL3 x C32 - 80	80	18	30	26	30	32	45.5	PF1/8	-	0.53
161.C32.080A	AL3 x C32 - 80 - A	80	18	30	26	30	32	45.5	PF1/8	OR	0.57
161.C40.100	AL3 x C40 - 100	100	18	37	26	37	40	45.5	PF1/8	-	0.94
162.C40.100	AL4 x C40 - 100	99.5	20.5	37	28	37	40	51.5	PF1/8	-	0.99
162.C40.100A	AL4 x C40 - 100 - A	99.5	20.5	37	28	37	40	51.5	PF1/8	OR	0.98
162.C40.100B	AL4 x C40 - 100 - B	99.5	20.5	37	28	38.5	40	51.5	PF1/8	YIPC	0.99
163.C50.120	AL5 x C50 - 120	120	24	47	33	47	50	61.5	PF1/8	-	1.82

Wrench



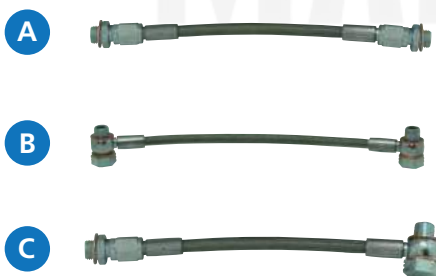
P.W-72

Features:

- ▶ Used with PSC tool holders.
- ▶ Quick change design.
- ▶ Modular system: internal hole 25 32 40 50.

HIGH-PRESSURE COOLANT PIPE

高壓水管 [用於 AL 套筒]



MODEL NO.	TYPE	LENGTH	MAX. WATER PRESSURE
310.A.150	HOSE - A - 150	150	80 bar
310.A.200	HOSE - A - 200	200	80 bar
310.B.150	HOSE - B - 150	150	80 bar
310.B.200	HOSE - B - 200	200	80 bar
310.C.150	HOSE - C - 150	150	80 bar
310.C.200	HOSE - C - 200	200	80 bar

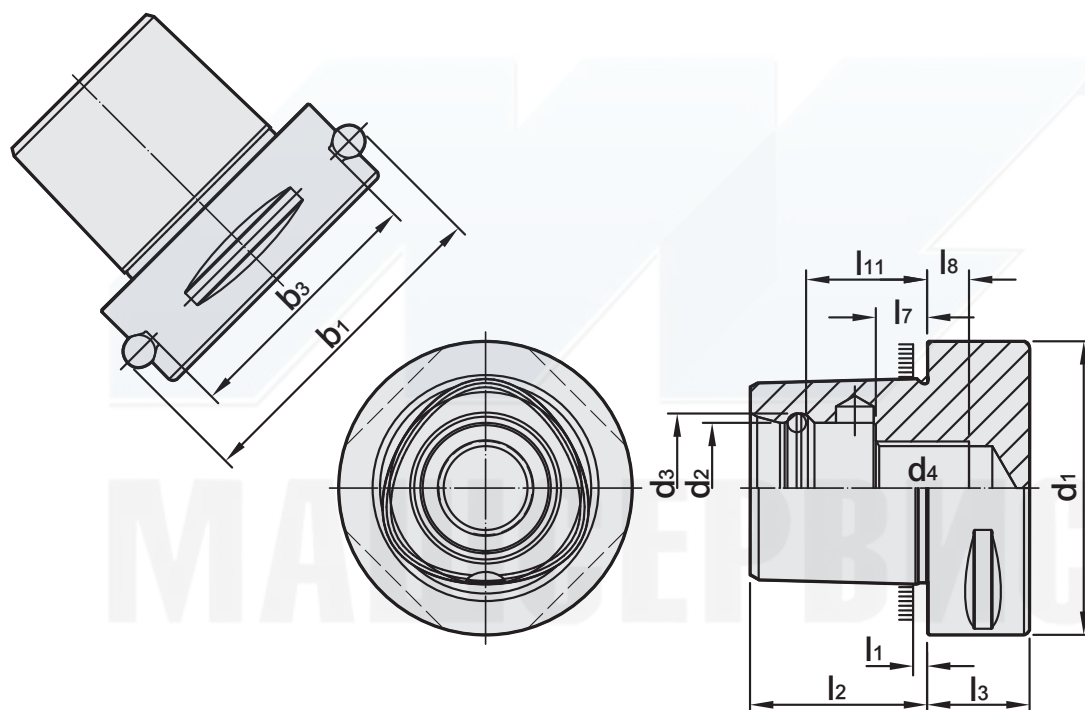
Features:

- ▶ Used for AL adapter.

REFERENCE DETAILS

DIN ISO 26623 - 1

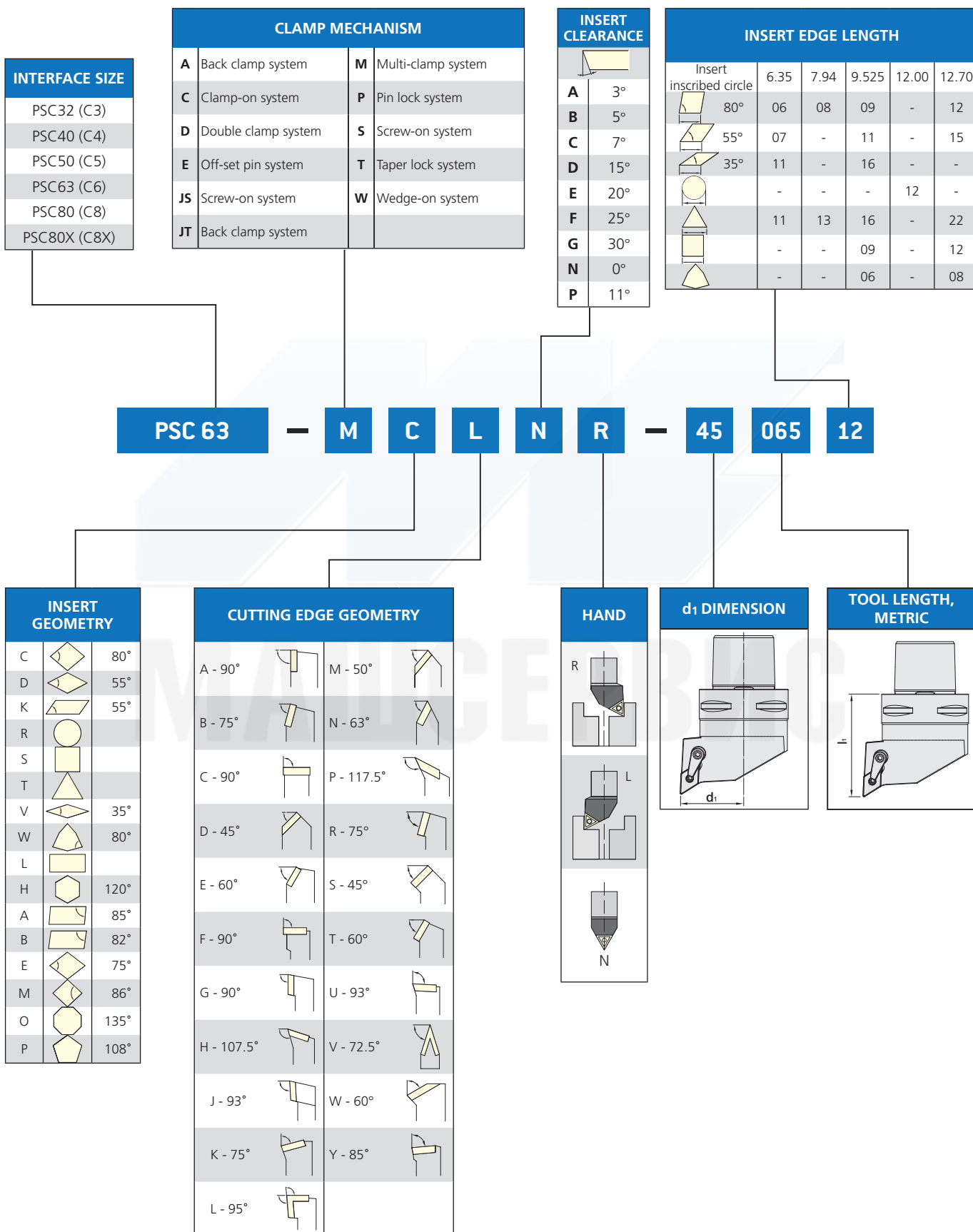
- ▶ Shank body standard: **DIN ISO 26623-1**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



PSC	b ₁ ±0.1	b ₃ ±0.1	d ₁ ±0.1	d ₂ +0.1 -0.05	d ₃ ±0.05	d ₄
32	39	27.9	32	15	16.5	M12 x 1.5P
40	46	34.9	40	18	20	M14 x 1.5P
50	59.3	44	50	21	24	M16 x 1.5P
63	70.7	55.4	63	28	32	M20 x 2.0P
80	86	70.7	80	32	38	M20 x 2.0P
80X	110	88.3	100	32	38	M20 x 2.0P
PSC	l ₁	l ₂ ±0.1	l ₃ min	l ₇ ±0.15	l ₈ min	l ₁₁ ±0.1
32	2.5	19	15	6	6	13.5
40	2.5	24	20	9	6	17.5
50	3	30	20	10	7	22
63	3	38	22	11	9	26
80	3	48	30	20	0	34
80X	3	48	32	20	0	34

DESIGNATION OF PSC

PSC 編碼原則

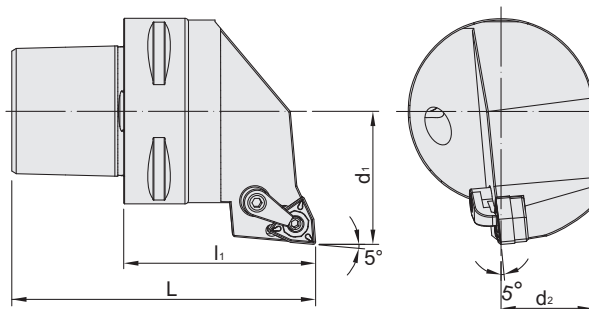


PSC / MWLN EXTERNAL TURNING TOOL

PSC / MWLN 外徑車刀



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
140.478.08R.045	PSC32 - MWLNR - 22045 - 08	64	45	22	18.1	WN..0804	0.22
140.478.08L.045	PSC32 - MWLNL - 22045 - 08	64	45	22	18.1	WN..0804	0.22
141.478.08R.050	PSC40 - MWLNR - 27050 - 08	74	50	27	22.5	WN..0804	0.42
141.478.08L.050	PSC40 - MWLNL - 27050 - 08	74	50	27	22.5	WN..0804	0.42
142.478.08R.060	PSC50 - MWLNR - 35060 - 08	90	60	35	28.65	WN..0804	0.78
142.478.08L.060	PSC50 - MWLNL - 35060 - 08	90	60	35	28.65	WN..0804	0.78
143.478.08R.065	PSC63 - MWLNR - 45065 - 08	103	65	45	31	WN..0804	0.80
143.478.08L.065	PSC63 - MWLNL - 45065 - 08	103	65	45	31	WN..0804	0.80

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Need to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
				
WN..0804	MC620	SMW422	MS630	MLP46L-A

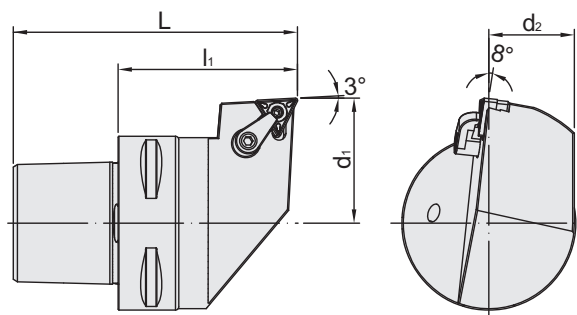


PSC / MTJN EXTERNAL TURNING TOOL

PSC / MTJN 外徑車刀



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
140.477.16R.045	PSC32 - MTJNR - 22045 - 16	64	45	22	18.1	TN..1604	0.22
140.477.16L.045	PSC32 - MTJNL - 22045 - 16	64	45	22	18.1	TN..1604	0.22
141.477.16R.050	PSC40 - MTJNR - 27050 - 16	74	50	27	22.5	TN..1604	0.42
141.477.16L.050	PSC40 - MTJNL - 27050 - 16	74	50	27	22.5	TN..1604	0.42
142.477.16R.060	PSC50 - MTJNR - 35060 - 16	90	60	35	28.65	TN..1604	0.78
142.477.16L.060	PSC50 - MTJNL - 35060 - 16	90	60	35	28.65	TN..1604	0.78
143.477.16R.065	PSC63 - MTJNR - 45065 - 16	103	65	45	31	TN..1604	0.80
143.477.16L.065	PSC63 - MTJNL - 45065 - 16	103	65	45	31	TN..1604	0.80

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Need to be purchased additionally.

Accessory:

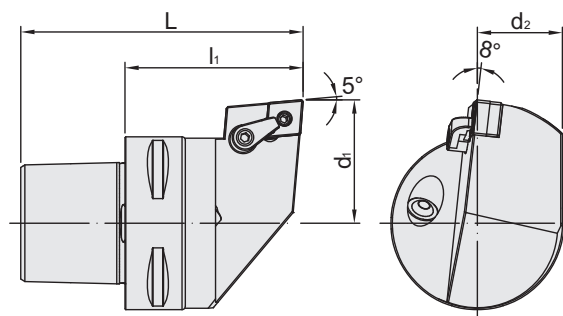
Insert	Clamp	Shim	Screw	Screw
				
TN..1604	MC620	SMT322	MS630	MLP34L-A

PSC / MCLN EXTERNAL TURNING TOOL

PSC / MCLN 外徑車刀



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
140.475.12R.045	PSC32 - MCLNR - 22045 - 12	64	45	22	18.1	CN..1204	0.22
140.475.12L.045	PSC32 - MCLNL - 22045 - 12	64	45	22	18.1	CN..1204	0.22
141.475.12R.050	PSC40 - MCLNR - 27050 - 12	74	50	27	22.5	CN..1204	0.42
141.475.12L.050	PSC40 - MCLNL - 27050 - 12	74	50	27	22.5	CN..1204	0.42
142.475.12R.060	PSC50 - MCLNR - 35060 - 12	90	60	35	28.65	CN..1204	0.78
142.475.12L.060	PSC50 - MCLNL - 35060 - 12	90	60	35	28.65	CN..1204	0.78
143.475.12R.065	PSC63 - MCLNR - 45065 - 12	103	65	45	31	CN..1204	0.80
143.475.12L.065	PSC63 - MCLNL - 45065 - 12	103	65	45	31	CN..1204	0.80

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Need to be purchased additionally.

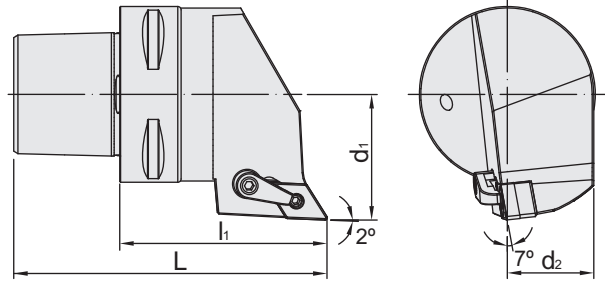
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
CN..1204	MC620	SMC432	MS620	MLP46L-A



PSC / MDJN EXTERNAL TURNING TOOL

PSC / MDJN 外徑車刀



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
140.476.15R.045	PSC32 - MDJNR - 22045 - 15	64	45	22	18.1	DN..1504	0.22
140.476.15L.045	PSC32 - MDJNL - 22045 - 15	64	45	22	18.1	DN..1504	0.22
141.476.15R.050	PSC40 - MDJNR - 27050 - 15	74	50	27	22.5	DN..1504	0.42
141.476.15L.050	PSC40 - MDJNL - 27050 - 15	74	50	27	22.5	DN..1504	0.42
142.476.15R.060	PSC50 - MDJNR - 35060 - 15	90	60	35	28.65	DN..1504	0.78
142.476.15L.060	PSC50 - MDJNL - 35060 - 15	90	60	35	28.65	DN..1504	0.78
143.476.15R.075	PSC63 - MDJNR - 45075 - 15	113	75	45	31	DN..1504	0.80
143.476.15L.075	PSC63 - MDJNL - 45075 - 15	113	75	45	31	DN..1504	0.80

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

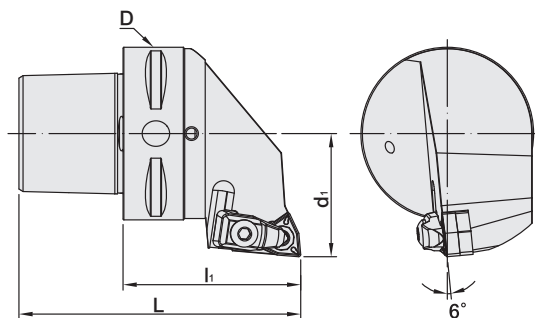
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
DN..1504	MC622	SMD463	MS630	MLP46L-A



PSC / DWLN EXTERNAL TURNING TOOL

PSC / DWLN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	d ₁	Insert	WEIGHT (KGS)
141.93.08R.050	PSC40 - DWLNR - 27050 - 08	74	50	40	27	WN..0804	0.42
141.93.08L.050	PSC40 - DWLNL - 27050 - 08	74	50	40	27	WN..0804	0.42
142.93.08R.060	PSC50 - DWLNR - 35060 - 08	90	60	50	35	WN..0804	0.78
142.93.08L.060	PSC50 - DWLNL - 35060 - 08	90	60	50	35	WN..0804	0.78
143.93.08R.065	PSC63 - DWLNR - 45065 - 08	103	65	63	45	WN..0804	0.80
143.93.08L.065	PSC63 - DWLNL - 45065 - 08	103	65	63	45	WN..0804	0.80
144.93.08R.080	PSC80 - DWLNR - 55080 - 08	128	80	80	55	WN..0804	2.64
144.93.08L.080	PSC80 - DWLNL - 55080 - 08	128	80	80	55	WN..0804	2.64

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

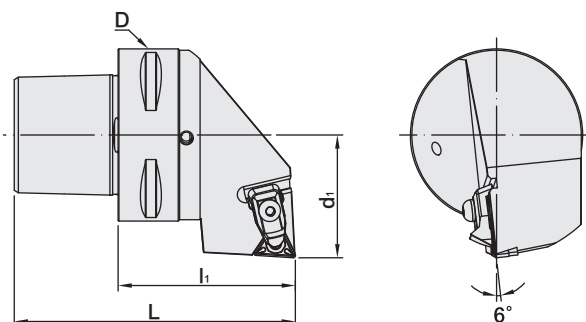
Accessory:

Insert	Clamp	Shim	Screw	Screw	Spring
WN..0804	C2RA	W08BM	SM6x10xA1	CM6x25C	SPR4



PSC / DTJN EXTERNAL TURNING TOOL

PSC / DTJN 外徑車刀









MODEL NO.	TYPE	L	l ₁	D	d ₁	Insert	WEIGHT (KGS)
140.92.16R.040	PSC32 - DTJNR - 22040 - 16	59	40	32	22	TN..1604	0.22
140.92.16L.040	PSC32 - DTJNL - 22040 - 16	59	40	32	22	TN..1604	0.22
141.92.16R.050	PSC40 - DTJNR - 27050 - 16	74	50	40	27	TN..1604	0.42
141.92.16L.050	PSC40 - DTJNL - 27050 - 16	74	50	40	27	TN..1604	0.42
142.92.16R.060	PSC50 - DTJNR - 35060 - 16	90	60	50	35	TN..1604	0.78
142.92.16L.060	PSC50 - DTJNL - 35060 - 16	90	60	50	35	TN..1604	0.78
143.92.16R.065	PSC63 - DTJNR - 45065 - 16	103	65	63	45	TN..1604	0.80
143.92.16L.065	PSC63 - DTJNL - 45065 - 16	103	65	63	45	TN..1604	0.80

МАШСЕРВИС

Product information:

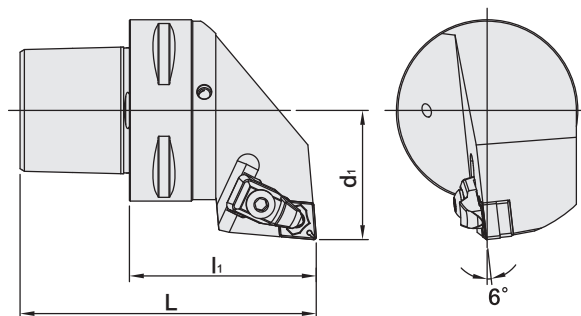
► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw	Spring
					
TN..1604	C1RA	T16BM	SM5x8.65xA1	CM5X22C	SPR6

PSC / DCLN EXTERNAL TURNING TOOL

PSC / DCLN 外徑車刀









MODEL NO.	TYPE	L	l ₁	d ₁	Insert	WEIGHT (KGS)
140.90.12R.045	PSC32 - DCLNR - 22045 - 12	64	45	22	CN..1204	0.22
140.90.12L.045	PSC32 - DCLNL - 22045 - 12	64	45	22	CN..1204	0.22
141.90.12R.050	PSC40 - DCLNR - 27050 - 12	74	50	27	CN..1204	0.42
141.90.12L.050	PSC40 - DCLNL - 27050 - 12	74	50	27	CN..1204	0.42
142.90.12R.060	PSC50 - DCLNR - 35060 - 12	90	60	35	CN..1204	0.78
142.90.12L.060	PSC50 - DCLNL - 35060 - 12	90	60	35	CN..1204	0.78
143.90.12R.065	PSC63 - DCLNR - 45065 - 12	103	65	45	CN..1204	0.80
143.90.12L.065	PSC63 - DCLNL - 45065 - 12	103	65	45	CN..1204	0.80
144.90.12R.080	PSC80 - DCLNR - 55080 - 12	128	80	55	CN..1204	2.64
144.90.12L.080	PSC80 - DCLNL - 55080 - 12	128	80	55	CN..1204	2.64

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

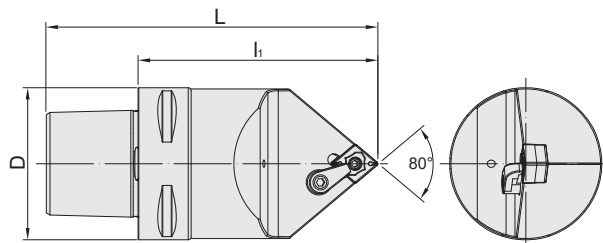
Accessory:

Insert	Clamp	Shim	Screw	Screw	Spring
					
CN..1204	C2RA	C12BM	SM6x10xA1	CM6x25C	SPR4



PSC / MCMN EXTERNAL TURNING TOOL

PSC / MCMN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	Insert	WEIGHT (KGS)
140.480.12N.050	PSC32 - MCMNN - 00050 - 12	69	50	32	CN..1204	0.24
141.480.12N.060	PSC40 - MCMNN - 00060 - 12	84	60	40	CN..1204	0.44
142.480.12N.070	PSC50 - MCMNN - 00070 - 12	100	70	50	CN..1204	0.76
143.480.12N.100	PSC63 - MCMNN - 00100 - 12	138	100	63	CN..1204	0.86

Accessory:

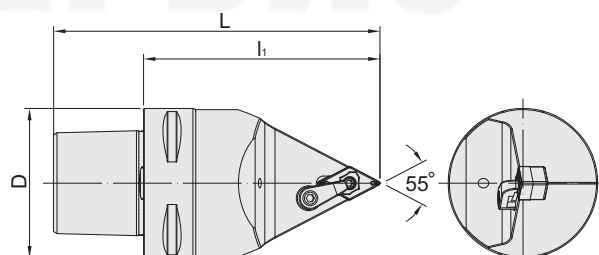
Insert	Clamp	Shim	Screw	Screw
CN..1204	MC620	SMC432	MS620	MLP46L-A

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

PSC / MDNN EXTERNAL TURNING TOOL

PSC / MDNN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	Insert	WEIGHT (KGS)
140.481.15N.050	PSC32 - MDNNN - 00050 - 15	69	50	32	DN..1504	0.22
141.481.15N.060	PSC40 - MDNNN - 00060 - 15	84	60	40	DN..1504	0.40
142.481.15N.070	PSC50 - MDNNN - 00070 - 15	100	70	50	DN..1504	0.70
143.481.15N.100	PSC63 - MDNNN - 00100 - 15	138	100	63	DN..1504	0.80

Accessory:

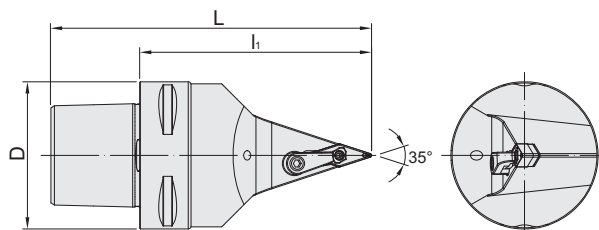
Insert	Clamp	Shim	Screw	Screw
DN..1504	MC622	SMD463	MS625	MLP46L-A

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

PSC / MVVN EXTERNAL TURNING TOOL

PSC / MVVN 外徑車刀



MODEL NO.	TYPE	L	l ₁	D	Insert	WEIGHT (KGS)
140.484.16N.055	PSC32 - MVVNN - 00055 - 16	74	55	32	VN..1604	0.22
141.484.16N.060	PSC40 - MVVNN - 00060 - 16	84	60	40	VN..1604	0.38
142.484.16N.070	PSC50 - MVVNN - 00070 - 16	100	70	50	VN..1604	0.68
143.484.16N.100	PSC63 - MVVNN - 00100 - 16	138	100	63	VN..1604	0.78

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

Accessory:

Insert	Clamp	Shim	Screw	Screw
				
VN..1604	MC622	SMV322	MS630	MLP34L-A

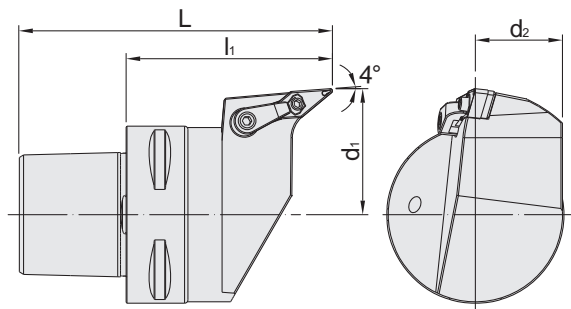


PSC / MVLN EXTERNAL TURNING TOOL

PSC / MVLN 外徑車刀



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	Insert	WEIGHT (KGS)
140.479.16R.050	PSC32 - MVLNR - 20050 - 16	69	50	20	18.1	VN..1604	0.22
140.479.16L.050	PSC32 - MVLNL - 20050 - 16	69	50	20	18.1	VN..1604	0.22
141.479.16R.055	PSC40 - MVLNR - 27055 - 16	79	55	27	22.5	VN..1604	0.42
141.479.16L.055	PSC40 - MVLNL - 27055 - 16	79	55	27	22.5	VN..1604	0.42
142.479.16R.060	PSC50 - MVLNR - 35060 - 16	90	60	35	28.65	VN..1604	0.78
142.479.16L.060	PSC50 - MVLNL - 35060 - 16	90	60	35	28.65	VN..1604	0.78
143.479.16R.075	PSC63 - MVLNR - 45075 - 16	113	75	45	31	VN..1604	0.80
143.479.16L.075	PSC63 - MVLNL - 45075 - 16	113	75	45	31	VN..1604	0.80

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

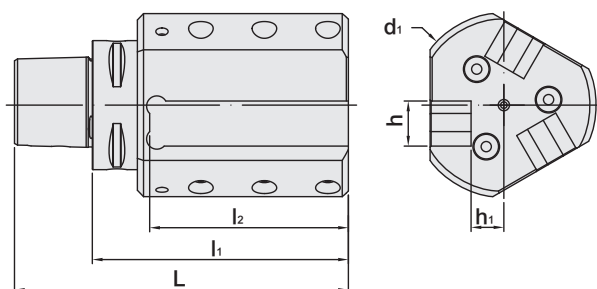
Accessory:

Insert	Clamp	Shim	Screw	Screw
				
VN..1604	MC622	SMV322	MS630	MLP34L-A



PSC / SV EXTERNAL TURNING TOOL HOLDER

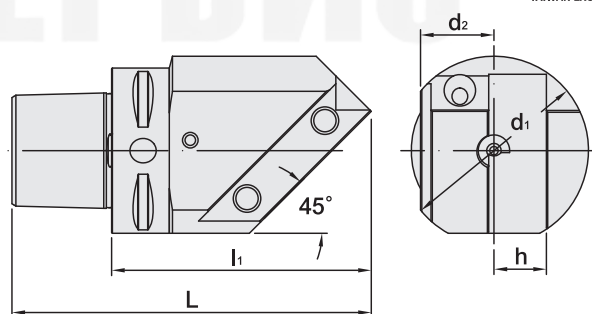
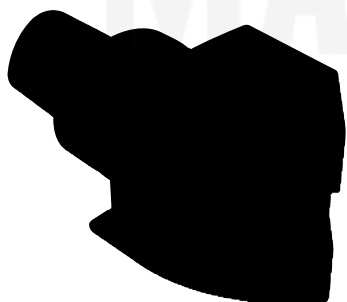
PSC / SV 外徑車刀架



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	h	h ₁	WEIGHT (KGS)
142.SV20R.123	PSC50 x SV20R - 123	153	123	97	90	20	16	3.56
142.SV20L.123	PSC50 x SV20L - 123	153	123	97	90	20	16	3.56
143.SV20R.125	PSC63 x SV20R - 125	163	125	97	90	20	16	3.58
143.SV20L.125	PSC63 x SV20L - 125	163	125	97	90	20	16	3.58
144.SV32R.150	PSC80 x SV32R - 150	198	150	114	120	32	20	7.13
144.SV32L.150	PSC80 x SV32L - 150	198	150	114	120	32	20	7.13

PSC / SN EXTERNAL TURNING TOOL HOLDER

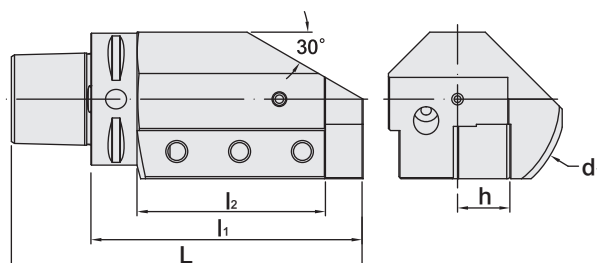
PSC / SN 外徑車刀架



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	h	WEIGHT (KGS)
142.SN20R.097	PSC50 x SN20R - 97	127	97	72	31.5	20	1.66
142.SN20L.097	PSC50 x SN20L - 97	127	97	72	31.5	20	1.66
143.SN20R.099	PSC63 x SN20R - 99	137	99	72	31.5	20	2.10
143.SN20L.099	PSC63 x SN20L - 99	137	99	72	31.5	20	2.10
144.SN32R.135	PSC80 x SN32R - 135	183	135	140	45	32	6.51
144.SN32L.135	PSC80 x SN32L - 135	183	135	140	45	32	6.51

PSC / S EXTERNAL TURNING TOOL HOLDER

PSC / S 外徑車刀架

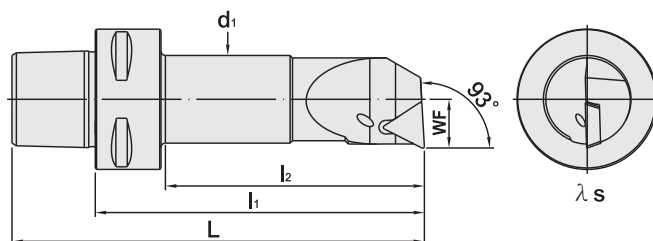
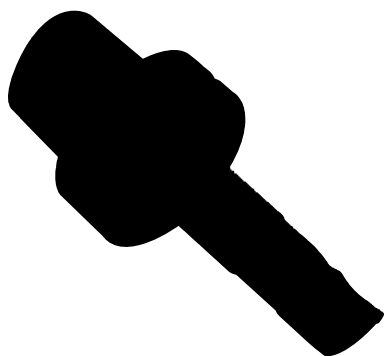


MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	h	WEIGHT (KGS)
142.S20R.098	PSC50 x S20R - 98	128	98	68	90	20	2.22
142.S20L.098	PSC50 x S20L - 98	128	98	68	90	20	2.11
143.S20R.100	PSC63 x S20R - 100	138	100	75	90	20	2.34
143.S20L.100	PSC63 x S20L - 100	138	100	75	90	20	2.34
143.S25R.130	PSC63 x S25R - 130	168	130	102	103.5	25	3.93
143.S25L.130	PSC63 x S25L - 130	168	130	102	103.5	25	3.93
144.S32L.140	PSC80 x S32L - 140	188	140	130	110	32	5.05
144.S32R.140	PSC80 x S32R - 140	188	140	130	110	32	5.05
145.S32L.143	PSC80X x S32L - 143	191	143	133	145	32	7.75
145.S32R.143	PSC80X x S32R - 143	191	143	133	145	32	7.75

МАШСЕРВИС

PSC / STUP INTERNAL BORING BAR

PSC / STUP 内徑車刀






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	WF	λ s	INSERT	WEIGHT (KGS)
140.761i.16R.065	PSC32 - STUPR - 09065 - 11	84	65	48	16	09	-4°	TP..1103	0.27
140.761i.16L.065	PSC32 - STUPL - 09065 - 11	84	65	48	16	09	-4°	TP..1103	0.27
140.761i.20R.075	PSC32 - STUPR - 11075 - 11	94	75	59	20	11	-2°	TP..1103	0.35
140.761i.20L.075	PSC32 - STUPL - 11075 - 11	94	75	59	20	11	-2°	TP..1103	0.35
140.761i.25R.090	PSC32 - STUPR - 14090 - 16	109	90	74	25	14	-3°	TP..1603	0.50
140.761i.25L.090	PSC32 - STUPL - 14090 - 16	109	90	74	25	14	-3°	TP..1603	0.50
141.761i.16R.070	PSC40 - STUPR - 09070 - 11	94	70	47	16	09	-4°	TP..1103	0.34
141.761i.16L.070	PSC40 - STUPL - 09070 - 11	94	70	47	16	09	-4°	TP..1103	0.34
141.761i.20R.080	PSC40 - STUPR - 11080 - 11	104	80	57	20	11	-2°	TP..1103	0.42
141.761i.20L.080	PSC40 - STUPL - 11080 - 11	104	80	57	20	11	-2°	TP..1103	0.42
141.761i.25R.090	PSC40 - STUPR - 14090 - 16	114	90	69	25	14	-3°	TP..1603	0.55
141.761i.25L.090	PSC40 - STUPL - 14090 - 16	114	90	69	25	14	-3°	TP..1603	0.55
141.761i.32R.110	PSC40 - STUPR - 20110 - 16	134	110	89	32	20	-2°	TP..1604	0.87
141.761i.32L.110	PSC40 - STUPL - 20110 - 16	134	110	89	32	20	-2°	TP..1604	0.87

МАШСЕРВИС

Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

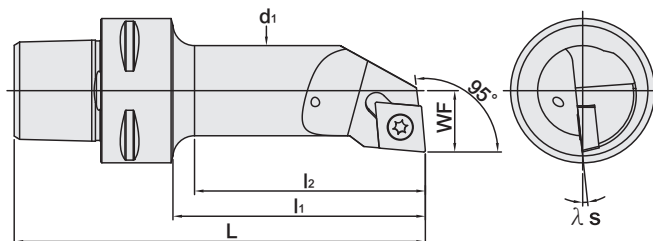
ACCESSORIES

Insert	Screw	Wrench
		
TP..1103 TP..1603	M3-8.0-4.0-46 M4-10-5.0-43	T9 T15



PSC / SCLC INTERNAL BORING BAR

PSC / SCLC 內徑車刀






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	WF	λ s	INSERT	WEIGHT (KGS)
140.787i.11R.065	PSC32 - SCLCR - 11065 - 09	84	65	48	16	11	-12°	CC..09T3	0.3
140.787i.11L.065	PSC32 - SCLCL - 11065 - 09	84	65	48	16	11	-12°	CC..09T3	0.3
140.787i.13R.075	PSC32 - SCLCR - 13075 - 09	94	75	59	20	13	-8°	CC..09T3	0.3
140.787i.13L.075	PSC32 - SCLCL - 13075 - 09	94	75	59	20	13	-8°	CC..09T3	0.3
140.787i.17R.090	PSC32 - SCLCR - 17090 - 09	109	90	75	25	17	-6°	CC..09T3	0.3
140.787i.17L.090	PSC32 - SCLCL - 17090 - 09	109	90	75	25	17	-6°	CC..09T3	0.3
140.787i.17RA.090	PSC32 - SCLCR - 17090 - 12	109	90	75	25	17	-6°	CC..1204	0.3
140.787i.17LA.090	PSC32 - SCLCL - 17090 - 12	109	90	75	25	17	-6°	CC..1204	0.3
140.787i.22R.064	PSC32 - SCLCR - 22064 - 12	83	64	50	32	22	-10°	CC..1204	0.3
140.787i.22L.064	PSC32 - SCLCL - 22064 - 12	83	64	50	32	22	-10°	CC..1204	0.3
140.787i.22R.096	PSC32 - SCLCR - 22096 - 12	115	96	82	32	22	-10°	CC..1204	0.3
140.787i.22L.096	PSC32 - SCLCL - 22096 - 12	115	96	82	32	22	-10°	CC..1204	0.3
141.787i.11R.070	PSC40 - SCLCR - 11070 - 09	94	70	47	16	11	-12°	CC..09T3	0.5
141.787i.11L.070	PSC40 - SCLCL - 11070 - 09	94	70	47	16	11	-12°	CC..09T3	0.5
141.787i.13R.080	PSC40 - SCLCR - 13080 - 09	104	80	58	20	13	-8°	CC..09T3	0.5
141.787i.13L.080	PSC40 - SCLCL - 13080 - 09	104	80	58	20	13	-8°	CC..09T3	0.5
141.787i.17R.090	PSC40 - SCLCR - 17090 - 09	114	90	69	25	17	-6°	CC..09T3	0.5
141.787i.17L.090	PSC40 - SCLCL - 17090 - 09	114	90	69	25	17	-6°	CC..09T3	0.5
141.787i.27R.080	PSC40 - SCLCR - 27080 - 09	104	80	60	40	27	-6°	CC..09T3	0.5
141.787i.27L.080	PSC40 - SCLCL - 27080 - 09	104	80	60	40	27	-6°	CC..09T3	0.5
141.787i.17RA.090	PSC40 - SCLCR - 17090 - 12	114	90	69	25	17	-6°	CC..1204	0.5
141.787i.17LA.090	PSC40 - SCLCL - 17090 - 12	114	90	69	25	17	-6°	CC..1204	0.5
141.787i.22R.110	PSC40 - SCLCR - 22110 - 12	134	110	89	32	22	-10°	CC..1204	0.5
141.787i.22L.110	PSC40 - SCLCL - 22110 - 12	134	110	89	32	22	-10°	CC..1204	0.5
141.787i.27RA.080	PSC40 - SCLCR - 27080 - 12	104	80	60	40	27	-8°	CC..1204	0.5
141.787i.27LA.080	PSC40 - SCLCL - 27080 - 12	104	80	60	40	27	-8°	CC..1204	0.5

Product information:

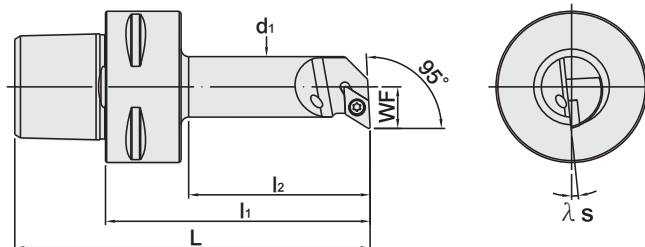
- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
CC..09T3	M4-10-5.7-60	T15
CC..1204	M5-11-7.5-60	T20

PSC / SDUC INTERNAL BORING BAR

PSC / SDUC 内徑車刀






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	WF	λ _s	INSERT	WEIGHT (KGS)
140.765i.16R.065	PSC32 - SDUCR - 11065 - 07	84	65	48	16	11	-6°	DC..0702	0.3
140.765i.16L.065	PSC32 - SDUCL - 11065 - 07	84	65	48	16	11	-6°	DC..0702	0.3
140.765i.20R.075	PSC32 - SDUCR - 13075 - 11	94	75	58	20	13	-6°	DC..11T3	0.3
140.765i.20L.075	PSC32 - SDUCL - 13075 - 11	94	75	58	20	13	-6°	DC..11T3	0.3
140.765i.25R.090	PSC32 - SDUCR - 17090 - 11	109	90	73	25	17	-6°	DC..11T3	0.3
140.765i.25L.090	PSC32 - SDUCL - 17090 - 11	109	90	73	25	17	-6°	DC..11T3	0.3
140.765i.32R.096	PSC32 - SDUCR - 22096 - 11	115	96	81	32	22	-6°	DC..11T3	0.3
140.765i.32L.096	PSC32 - SDUCL - 22096 - 11	115	96	81	32	22	-6°	DC..11T3	0.3
141.765i.16R.070	PSC40 - SDUCR - 11070 - 07	94	70	47	16	11	-6°	DC..0702	0.5
141.765i.16L.070	PSC40 - SDUCL - 11070 - 07	94	70	47	16	11	-6°	DC..0702	0.5
141.765i.20R.080	PSC40 - SDUCR - 13080 - 11	104	80	57	20	13	-6°	DC..11T3	0.5
141.765i.20L.080	PSC40 - SDUCL - 13080 - 11	104	80	57	20	13	-6°	DC..11T3	0.5
141.765i.25R.090	PSC40 - SDUCR - 17090 - 11	114	90	68	25	17	-6°	DC..11T3	0.5
141.765i.25L.090	PSC40 - SDUCL - 17090 - 11	114	90	68	25	17	-6°	DC..11T3	0.5
141.765i.32R.110	PSC40 - SDUCR - 22110 - 11	134	110	89	32	22	-6°	DC..11T3	0.5
141.765i.32L.110	PSC40 - SDUCL - 22110 - 11	134	110	89	32	22	-6°	DC..11T3	0.5
141.765i.40R.080	PSC40 - SDUCR - 27080 - 11	104	80	60	40	27	-6°	DC..11T3	0.5
141.765i.40L.080	PSC40 - SDUCL - 27080 - 11	104	80	60	40	27	-6°	DC..11T3	0.5

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
DC..0702	M2.5-6.0-3.5-60	T8
DC..11T3	M4-10-5.7-60	T15

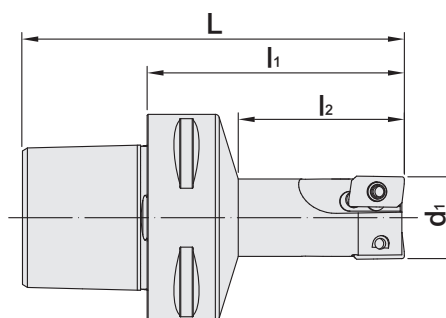


PSC / IAP INDEXABLE END MILL CUTTER

PSC / IAP 直角高速銼刀



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MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	TEETH	INSERT	WEIGHT (KGS)
140.244.16.050	PSC32 x IAP16 - 50 - 2T	69	50	25	16	2	AP..1003	0.20
140.244.20.050	PSC32 x IAP20 - 50 - 2T	69	50	25	20	2	AP..1003	0.20
140.245.20.050	PSC32 x IAP20 - 50 - 3T	69	50	25	20	3	AP..1003	0.30
140.244.25.050	PSC32 x IAP25 - 50 - 2T	69	50	32	25	2	AP..1003	0.20
140.245.25.050	PSC32 x IAP25 - 50 - 3T	69	50	32	25	3	AP..1003	0.30
140.245.32.050	PSC32 x IAP32 - 50 - 3T	69	50	35	32	3	AP..1003	0.20
141.244.16.050	PSC40 x IAP16 - 50 - 2T	74	50	25	16	2	AP..1003	0.50
141.244.20.050	PSC40 x IAP20 - 50 - 2T	74	50	25	20	2	AP..1003	0.50
141.244.25.055	PSC40 x IAP25 - 55 - 2T	79	55	32	25	2	AP..1003	0.50
141.245.25.055	PSC40 x IAP25 - 55 - 3T	79	55	32	25	3	AP..1003	0.50
141.245.32.065	PSC40 x IAP32 - 65 - 3T	89	65	40	32	3	AP..1003	0.60
142.245.20.095	PSC50 x IAP20 - 95 - 3T	125	95	40	20	3	AP..1003	1.00
142.245.25.095	PSC50 x IAP25 - 95 - 3T	125	95	45	25	3	AP..1003	1.10
142.245.32.065	PSC50 x IAP32 - 65 - 3T	95	65	40	32	3	AP..1003	1.50
142.245.40.080	PSC50 x IAP40 - 80 - 3T	110	80	40	40	3	AP..1604	1.10
142.247.50.060	PSC50 x IAP50 - 60 - 5T	90	60	60	50	5	AP..1604	1.00
142.247.63.060	PSC50 x IAP63 - 60 - 5T	90	60	60	63	5	AP..1604	1.40
143.245.20.110	PSC63 x IAP20 - 110 - 3T	148	110	40	20	3	AP..1003	1.60
143.244.20.165	PSC63 x IAP20 - 165 - 2T	203	165	60	20	2	AP..1003	1.60
143.245.25.110	PSC63 x IAP25 - 110 - 3T	148	110	45	25	3	AP..1003	1.60
143.245.32.080	PSC63 x IAP32 - 80 - 3T	118	80	40	32	3	AP..1003	1.50
143.245.32.110	PSC63 x IAP32 - 110 - 3T	148	110	50	32	3	AP..1003	1.70
143.246.40.080	PSC63 x IAP40 - 80 - 4T	118	80	40	40	4	AP..1003	1.60
143.247.40.080	PSC63 x IAP40 - 80 - 5T	118	80	40	40	5	AP..1003	1.60
143.245.40.100	PSC63 x IAP40 - 100 - 3T	138	100	50	40	3	AP..1604	1.80
143.246.50.080	PSC63 x IAP50 - 80 - 4T	118	80	40	50	4	AP..1604	1.80
143.247.63.060	PSC63 x IAP63 - 60 - 5T	98	60	38	63	5	AP..1604	2.20
143.247.66.060	PSC63 x IAP66 - 60 - 5T	98	60	60	66	5	AP..1604	1.90
143.247.66.080	PSC63 x IAP66 - 80 - 5T	118	80	80	66	5	AP..1604	2.30
143.248.80.060	PSC63 x IAP80 - 60 - 6T	98	60	60	80	6	AP..1604	2.20

Product information:

- ▶ One-piece design improves rigidity.
- ▶ Stable insert seat and excellent metal chips removal capacity.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
AP..1003	M2.5-6.45-3.7-60	T8
AP..1604	M4-10-5.7-60	T15

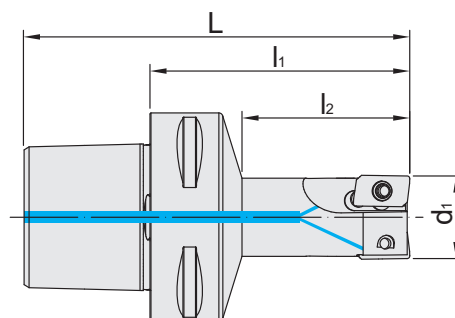


PSC / CIAP INDEXABLE END MILL CUTTER

PSC / CIAP 直角高速銑刀



台灣精品 2012
TAIWAN EXCELLENCE






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	TEETH	INSERT	WEIGHT (KGS)
140.244C.16.050	PSC32 x CIAP16 - 50 - 2T	69	50	25	16	2	AP..1003	0.20
140.244C.20.050	PSC32 x CIAP20 - 50 - 2T	69	50	25	20	2	AP..1003	0.20
140.245C.20.050	PSC32 x CIAP20 - 50 - 3T	69	50	25	20	3	AP..1003	0.30
140.244C.25.050	PSC32 x CIAP25 - 50 - 2T	69	50	32	25	2	AP..1003	0.20
140.245C.25.050	PSC32 x CIAP25 - 50 - 3T	69	50	32	25	3	AP..1003	0.30
140.245C.32.050	PSC32 x CIAP32 - 50 - 3T	69	50	35	32	3	AP..1003	0.20
141.244C.16.050	PSC40 x CIAP16 - 50 - 2T	74	50	25	16	2	AP..1003	0.50
141.244C.20.050	PSC40 x CIAP20 - 50 - 2T	74	50	25	20	2	AP..1003	0.50
141.244C.25.055	PSC40 x CIAP25 - 55 - 2T	79	55	32	25	2	AP..1003	0.50
141.245C.25.055	PSC40 x CIAP25 - 55 - 3T	79	55	32	25	3	AP..1003	0.50
141.245C.32.065	PSC40 x CIAP32 - 65 - 3T	89	65	40	32	3	AP..1003	0.60
142.245C.20.095	PSC50 x CIAP20 - 95 - 3T	125	95	40	20	3	AP..1003	1.00
142.245C.25.095	PSC50 x CIAP25 - 95 - 3T	125	95	45	25	3	AP..1003	1.10
142.245C.32.065	PSC50 x CIAP32 - 65 - 3T	95	65	40	32	3	AP..1003	1.50
142.245C.40.080	PSC50 x CIAP40 - 80 - 3T	110	80	40	40	3	AP..1604	1.10
142.247C.50.060	PSC50 x CIAP50 - 60 - 5T	90	60	60	50	5	AP..1604	1.00
142.247C.63.060	PSC50 x CIAP63 - 60 - 5T	90	60	60	63	5	AP..1604	1.40
143.245C.20.110	PSC63 x CIAP20 - 110 - 3T	148	110	40	20	3	AP..1003	1.60
143.244C.20.165	PSC63 x CIAP20 - 165 - 2T	203	165	60	20	2	AP..1003	1.60
143.245C.25.110	PSC63 x CIAP25 - 110 - 3T	148	110	45	25	3	AP..1003	1.60
143.245C.32.080	PSC63 x CIAP32 - 80 - 3T	118	80	40	32	3	AP..1003	1.50
143.245C.32.110	PSC63 x CIAP32 - 110 - 3T	148	110	50	32	3	AP..1003	1.70
143.246C.40.080	PSC63 x CIAP40 - 80 - 4T	118	80	40	40	4	AP..1003	1.60
143.247C.40.080	PSC63 x CIAP40 - 80 - 5T	118	80	40	40	5	AP..1003	1.60
143.245C.40.100	PSC63 x CIAP40 - 100 - 3T	138	100	50	40	3	AP..1604	1.80
143.246C.50.080	PSC63 x CIAP50 - 80 - 4T	118	80	40	50	4	AP..1604	1.80
143.247C.63.060	PSC63 x CIAP63 - 60 - 5T	98	60	38	63	5	AP..1604	2.20
143.247C.66.060	PSC63 x CIAP66 - 60 - 5T	98	60	60	66	5	AP..1604	1.90
143.247C.66.080	PSC63 x CIAP66 - 80 - 5T	118	80	80	66	5	AP..1604	2.30
143.248C.80.060	PSC63 x CIAP80 - 60 - 6T	98	60	60	80	6	AP..1604	2.20

Product information:

- ▶ One-piece design improves rigidity.
- ▶ Stable insert seat and excellent metal chips removal capacity.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.

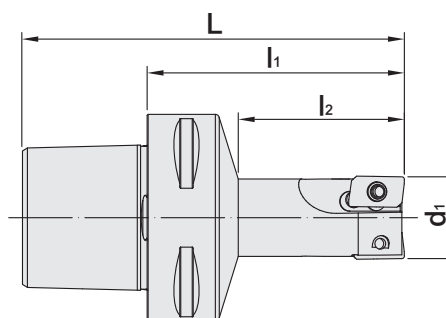
ACCESSORIES

Insert	Screw	Wrench
		
AP..1003	M2.5-6.45-3.7-60	T8
AP..1604	M4-10-5.7-60	T15



PSC / MAP INDEXABLE END MILL CUTTER

PSC / MAP 直角高速銑刀






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	TEETH	INSERT	WEIGHT (KGS)
140.468.16.050	PSC32 x MAP16 - 50 - 2T	69	50	25	16	2	AP..1135	0.20
140.468.20.050	PSC32 x MAP20 - 50 - 2T	69	50	25	20	2	AP..1135	0.20
140.469.20.050	PSC32 x MAP20 - 50 - 3T	69	50	25	20	3	AP..1135	0.30
140.468.25.050	PSC32 x MAP25 - 50 - 2T	69	50	32	25	2	AP..1604	0.20
140.469.25.050	PSC32 x MAP25 - 50 - 3T	69	50	32	25	3	AP..1135	0.30
140.468.32.050	PSC32 x MAP32 - 50 - 2T	69	50	35	32	2	AP..1604	0.20
141.468.16.050	PSC40 x MAP16 - 50 - 2T	74	50	25	16	2	AP..1135	0.50
141.468.20.050	PSC40 x MAP20 - 50 - 2T	74	50	25	20	2	AP..1135	0.50
141.468.25.055	PSC40 x MAP25 - 55 - 2T	79	55	32	25	2	AP..1604	0.50
141.469.25.055	PSC40 x MAP25 - 55 - 3T	79	55	32	25	3	AP..1135	0.50
141.468.32.065	PSC40 x MAP32 - 65 - 2T	89	65	40	32	2	AP..1604	0.60
142.469.20.095	PSC50 x MAP20 - 95 - 3T	125	95	40	20	3	AP..1135	1.00
142.469.25.095	PSC50 x MAP25 - 95 - 3T	125	95	45	25	3	AP..1135	1.10
142.468.32.065	PSC50 x MAP32 - 65 - 2T	95	65	40	32	2	AP..1604	1.50
142.471.50.060	PSC50 x MAP50 - 60 - 5T	90	60	60	50	5	AP..1604	1.00
142.471.63.060	PSC50 x MAP63 - 60 - 5T	90	60	60	63	5	AP..1604	1.40
143.469.20.110	PSC63 x MAP20 - 110 - 3T	148	110	40	20	3	AP..1135	1.60
143.468.20.165	PSC63 x MAP20 - 165 - 2T	203	165	60	20	2	AP..1135	1.60
143.469.25.110	PSC63 x MAP25 - 110 - 3T	148	110	45	25	3	AP..1135	1.60
143.469.32.080	PSC63 x MAP32 - 80 - 3T	118	80	40	32	3	AP..1135	1.50
143.469.32.110	PSC63 x MAP32 - 110 - 3T	148	110	50	32	3	AP..1135	1.70
143.470.40.080	PSC63 x MAP40 - 80 - 4T	118	80	40	40	4	AP..1135	1.60
143.471.40.080	PSC63 x MAP40 - 80 - 5T	118	80	40	40	5	AP..1135	1.60
143.469.40.100	PSC63 x MAP40 - 100 - 3T	138	100	50	40	3	AP..1604	1.80
143.470.50.080	PSC63 x MAP50 - 80 - 4T	118	80	40	50	4	AP..1604	1.80
143.471.63.060	PSC63 x MAP63 - 60 - 5T	98	60	38	63	5	AP..1604	2.20
143.471.66.060	PSC63 x MAP66 - 60 - 5T	98	60	60	66	5	AP..1604	1.90
143.471.66.080	PSC63 x MAP66 - 80 - 5T	118	80	80	66	5	AP..1604	2.30
143.472.80.060	PSC63 x MAP80 - 60 - 6T	98	60	60	80	6	AP..1604	2.20

Product information:

- ▶ One-piece design improves rigidity.
- ▶ Stable insert seat and excellent metal chips removal capacity.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
AP..1135 AP..1604	M2.5-6.0-3.5-60 M4-10-5.7-60	T8 T15

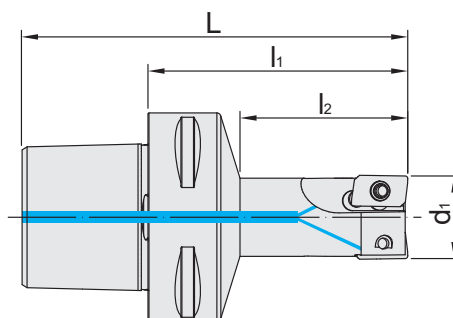


PSC / CMAP INDEXABLE END MILL CUTTER

PSC / CMAP 直角高速銑刀



台灣精品 2012
TAIWAN EXCELLENCE






MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	TEETH	INSERT	WEIGHT (KGS)
140.468C.16.050	PSC32 x CMAP16 - 50 - 2T	69	50	25	16	2	AP..1135	0.20
140.468C.20.050	PSC32 x CMAP20 - 50 - 2T	69	50	25	20	2	AP..1135	0.20
140.469C.20.050	PSC32 x CMAP20 - 50 - 3T	69	50	25	20	3	AP..1135	0.30
140.468C.25.050	PSC32 x CMAP25 - 50 - 2T	69	50	32	25	2	AP..1604	0.20
140.469C.25.050	PSC32 x CMAP25 - 50 - 3T	69	50	32	25	3	AP..1135	0.30
140.468C.32.050	PSC32 x CMAP32 - 50 - 2T	69	50	35	32	2	AP..1604	0.20
141.468C.16.050	PSC40 x CMAP16 - 50 - 2T	74	50	25	16	2	AP..1135	0.50
141.468C.20.050	PSC40 x CMAP20 - 50 - 2T	74	50	25	20	2	AP..1135	0.50
141.468C.25.055	PSC40 x CMAP25 - 55 - 2T	79	55	32	25	2	AP..1604	0.50
141.469C.25.055	PSC40 x CMAP25 - 55 - 3T	79	55	32	25	3	AP..1135	0.50
141.468C.32.065	PSC40 x CMAP32 - 65 - 2T	89	65	40	32	2	AP..1604	0.60
142.469C.20.095	PSC50 x CMAP20 - 95 - 3T	125	95	40	20	3	AP..1135	1.00
142.469C.25.095	PSC50 x CMAP25 - 95 - 3T	125	95	45	25	3	AP..1135	1.10
142.468C.32.065	PSC50 x CMAP32 - 65 - 2T	95	65	40	32	2	AP..1604	1.50
142.471C.50.060	PSC50 x CMAP50 - 60 - 5T	90	60	60	50	5	AP..1604	1.00
142.471C.63.060	PSC50 x CMAP63 - 60 - 5T	90	60	60	63	5	AP..1604	1.40
143.469C.20.110	PSC63 x CMAP20 - 110 - 3T	148	110	40	20	3	AP..1135	1.60
143.468C.20.165	PSC63 x CMAP20 - 165 - 2T	203	165	60	20	2	AP..1135	1.60
143.469C.25.110	PSC63 x CMAP25 - 110 - 3T	148	110	45	25	3	AP..1135	1.60
143.469C.32.080	PSC63 x CMAP32 - 80 - 3T	118	80	40	32	3	AP..1135	1.50
143.469C.32.110	PSC63 x CMAP32 - 110 - 3T	148	110	50	32	3	AP..1135	1.70
143.470C.40.080	PSC63 x CMAP40 - 80 - 4T	118	80	40	40	4	AP..1135	1.60
143.471C.40.080	PSC63 x CMAP40 - 80 - 5T	118	80	40	40	5	AP..1135	1.60
143.469C.40.100	PSC63 x CMAP40 - 100 - 3T	138	100	50	40	3	AP..1604	1.80
143.470C.50.080	PSC63 x CMAP50 - 80 - 4T	118	80	40	50	4	AP..1604	1.80
143.471C.63.060	PSC63 x CMAP63 - 60 - 5T	98	60	38	63	5	AP..1604	2.20
143.471C.66.060	PSC63 x CMAP66 - 60 - 5T	98	60	60	66	5	AP..1604	1.90
143.471C.66.080	PSC63 x CMAP66 - 80 - 5T	118	80	80	66	5	AP..1604	2.30
143.472C.80.060	PSC63 x CMAP80 - 60 - 6T	98	60	60	80	6	AP..1604	2.20

Product information:

- ▶ One-piece design improves rigidity.
- ▶ Stable insert seat and excellent metal chips removal capacity.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
AP..1135	M2.5-6.0-3.5-60	T8
AP..1604	M4-10-5.7-60	T15

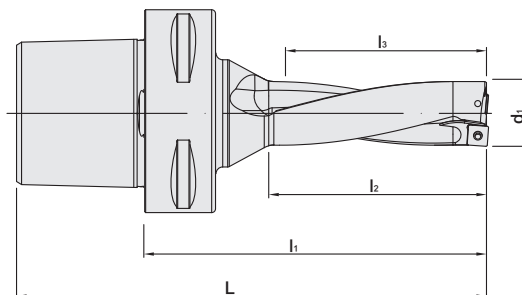


PSC / SPD HIGH SPEED DRILL

ONE-PIECE TYPE

3D

PSC / SPD 一體式快速鑽頭



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	INSERT	WEIGHT (KGS)
141.685.15.045	PSC40 x SPD15 - 3D - 45	82	70	50	45	15	SP..0502	0.30
141.685.16.048	PSC40 x SPD16 - 3D - 48	86	74	53	48	16	SP..0602	0.40
141.685.17.051	PSC40 x SPD17 - 3D - 51	89	77	56	51	17	SP..0602	0.42
141.685.18.054	PSC40 x SPD18 - 3D - 54	93	81	59	54	18	SP..0602	0.44
141.685.19.057	PSC40 x SPD19 - 3D - 57	96	84	62	57	19	SP..0602	0.45
141.685.20.060	PSC40 x SPD20 - 3D - 60	101	89	65	60	20	SP..0602	0.47
141.685.21.063	PSC40 x SPD21 - 3D - 63	104	92	68	63	21	SP..0602	0.48
141.685.22.066	PSC40 x SPD22 - 3D - 66	107	95	71	66	22	SP..07T3	0.49
141.685.23.069	PSC40 x SPD23 - 3D - 69	111	99	74	69	23	SP..07T3	0.66
141.685.24.072	PSC40 x SPD24 - 3D - 72	115	103	77	72	24	SP..07T3	0.67
141.685.25.075	PSC40 x SPD25 - 3D - 75	119	107	80	75	25	SP..07T3	0.72
141.685.26.078	PSC40 x SPD26 - 3D - 78	122	110	83	78	26	SP..07T3	0.73
141.685.27.081	PSC40 x SPD27 - 3D - 81	125	113	86	81	27	SP..07T3	0.75
141.685.28.084	PSC40 x SPD28 - 3D - 84	129	117	89	84	28	SP..0904	0.78
141.685.29.087	PSC40 x SPD29 - 3D - 87	132	120	92	87	29	SP..0904	0.81
141.685.30.090	PSC40 x SPD30 - 3D - 90	135	123	95	90	30	SP..0904	0.83

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	INSERT	WEIGHT (KGS)
141.685.15.5.047	PSC40 x SPD15.5 - 3D - 47	96	84	52	47	15.5	SP..0602	0.28
141.685.16.5.050	PSC40 x SPD16.5 - 3D - 50	100	88	55	50	16.5	SP..0602	0.31
141.685.17.5.053	PSC40 x SPD17.5 - 3D - 53	104	92	58	53	17.5	SP..0602	0.42
141.685.18.5.056	PSC40 x SPD18.5 - 3D - 56	107	95	61	56	18.5	SP..0602	0.43
141.685.20.62.062	PSC40 x SPD20.62 - 3D - 62	115	103	67	62	20.62	SP..0602	0.43
141.685.22.23.067	PSC40 x SPD22.23 - 3D - 67	120	108	72	67	22.23	SP..07T3	0.45
141.685.25.4.077	PSC40 x SPD25.4 - 3D - 77	133	121	82	77	25.4	SP..07T3	0.48
141.685.28.59.086	PSC40 x SPD28.59 - 3D - 86	143	131	91	86	28.59	SP..0904	0.50




Features:

- ▶ Drilling depth is three times longer than the diameter of the High Speed Drill. ▶ The material is anti-vibration tool steel.
- ▶ The whole body is treated with fine grinding after hardening in order to raise the rigidity and stability and prevent from deformation.
- ▶ There is special coating on the surface of the high speed drill, which decreases the wear rate and extends the use life of the drill.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
SP..0502	M2-4.3-2.7-60	T6
SP..0602	M2.2-5.2-3.1-60	T7
SP..07T3	M2.5-6.33-3.5-48	T8
SP..0904	M3.5-8.4-5.0-60	T10

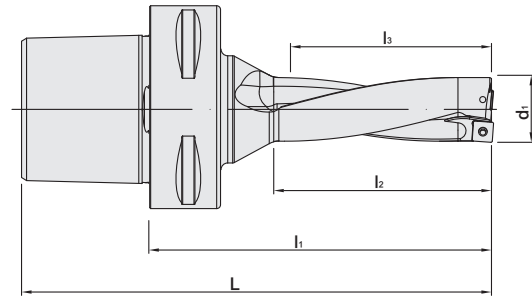


PSC / SPD HIGH SPEED DRILL

ONE-PIECE TYPE

4D

PSC / SPD 一體式快速鑽頭



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	INSERT	WEIGHT (KGS)
141.685.17.068	PSC40 x SPD17 - 4D - 68	118	106	73	68	17	SP..0602	0.45
141.685.18.072	PSC40 x SPD18 - 4D - 72	123	111	77	72	18	SP..0602	0.47
141.685.19.076	PSC40 x SPD19 - 4D - 76	127	115	81	76	19	SP..0602	0.48
141.685.20.080	PSC40 x SPD20 - 4D - 80	133	121	85	80	20	SP..0602	0.50
141.685.21.084	PSC40 x SPD21 - 4D - 84	137	125	89	84	21	SP..0602	0.51
141.685.22.088	PSC40 x SPD22 - 4D - 88	141	129	93	88	22	SP..07T3	0.74
141.685.23.092	PSC40 x SPD23 - 4D - 92	146	134	97	92	23	SP..07T3	0.56
141.685.24.096	PSC40 x SPD24 - 4D - 96	151	139	101	96	24	SP..07T3	0.58
141.685.25.100	PSC40 x SPD25 - 4D - 100	156	144	105	100	25	SP..07T3	0.61
141.685.26.104	PSC40 x SPD26 - 4D - 104	160	148	109	104	26	SP..07T3	0.65
141.685.27.108	PSC40 x SPD27 - 4D - 108	164	152	113	108	27	SP..07T3	0.69
141.685.28.112	PSC40 x SPD28 - 4D - 112	169	157	117	112	28	SP..0904	0.73
141.685.29.116	PSC40 x SPD29 - 4D - 116	173	161	121	116	29	SP..0904	0.75
141.685.30.120	PSC40 x SPD30 - 4D - 120	177	165	125	120	30	SP..0904	0.81

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	INSERT	WEIGHT (KGS)
141.685.17.5.070	PSC40 x SPD17.5 - 4D - 70	121	109	75	70	17.5	SP..0602	0.47
141.685.18.5.074	PSC40 x SPD18.5 - 4D - 74	125	113	79	74	18.5	SP..0602	0.49
141.685.20.62.083	PSC40 x SPD20.62 - 4D - 83	136	124	88	83	20.62	SP..0602	0.52
141.685.22.23.089	PSC40 x SPD22.23 - 4D - 89	142	130	94	89	22.23	SP..07T3	0.76
141.685.25.4.102	PSC40 x SPD25.4 - 4D - 102	158	146	107	102	25.4	SP..07T3	0.63
141.685.28.59.115	PSC40 x SPD28.59 - 4D - 115	172	160	120	115	28.59	SP..0904	0.75




Features:

- ▶ Drilling depth is four times longer than the diameter of the High Speed Drill. ▶ The material is anti-vibration tool steel.
- ▶ The whole body is treated with fine grinding after hardening in order to raise the rigidity and stability and prevent from deformation.
- ▶ There is special coating on the surface of the high speed drill, which decreases the wear rate and extends the use life of the drill.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

ACCESSORIES

Insert	Screw	Wrench
		
SP..0502	M2-4.3-2.7-60	T6
SP..0602	M2.2-5.2-3.1-60	T7
SP..07T3	M2.5-6.33-3.5-48	T8
SP..0904	M3.5-8.4-5.0-60	T10

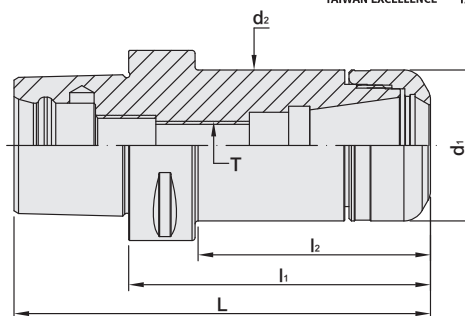


PSC / PNER COLLET CHUCK



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

PSC / PNER 立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
140.273.16.045	PSC32 x PNER16 - 45	64	45	29	30	30	-	3 ~ 10	0.21
140.273.20.045	PSC32 x PNER20 - 45	64	45	30	32	32	-	3 ~ 13	0.21
141.273.16.055	PSC40 x PNER16 - 55	79	55	30	30	30	-	3 ~ 10	0.36
141.273.20.055	PSC40 x PNER20 - 55	79	55	31	32	32	-	3 ~ 13	0.36
142.273.16.060	PSC50 x PNER16 - 60	90	60	34	30	30	-	3 ~ 10	0.56
142.273.16.100	PSC50 x PNER16 - 100	130	100	74	30	30	M10 x 1.5P	3 ~ 10	0.75
142.273.20.060	PSC50 x PNER20 - 60	90	60	34	32	32	-	3 ~ 13	0.57
142.273.25.060	PSC50 x PNER25 - 60	90	60	37	40	40	-	3 ~ 16	0.63
142.273.32.060	PSC50 x PNER32 - 60	90	60	37	50	50	-	3 ~ 20	0.70
143.273.16.060	PSC63 x PNER16 - 60	98	60	35	30	30	-	3 ~ 10	0.87
143.273.16.100	PSC63 x PNER16 - 100	138	100	75	30	30	M10 x 1.5P	3 ~ 10	1.07
143.273.20.060	PSC63 x PNER20 - 60	98	60	35	32	32	-	3 ~ 13	0.88
143.273.20.100	PSC63 x PNER20 - 100	138	100	75	32	32	M12 x 1.75P	3 ~ 13	1.10
143.273.25.060	PSC63 x PNER25 - 60	98	60	35	40	40	-	3 ~ 16	0.94
143.273.25.100	PSC63 x PNER25 - 100	138	100	75	40	40	M16 x 2.0P	3 ~ 16	1.28
143.273.25.130	PSC63 x PNER25 - 130	168	130	105	40	40	M16 x 2.0P	3 ~ 16	1.53
143.273.25.160	PSC63 x PNER25 - 160	198	160	135	40	40	M16 x 2.0P	3 ~ 16	1.79
143.273.32.060	PSC63 x PNER32 - 60	98	60	35	50	50	-	3 ~ 20	1.00
143.273.32.100	PSC63 x PNER32 - 100	138	100	75	50	50	M16 x 2.0P	3 ~ 20	1.55
143.273.32.130	PSC63 x PNER32 - 130	168	130	105	50	50	M16 x 2.0P	3 ~ 20	1.97
143.273.40.060	PSC63 x PNER40 - 60	98	60	38	63	63	-	6 ~ 26	1.18
143.273.40.100	PSC63 x PNER40 - 100	138	100	68	63	63	M20 x 2.0P	6 ~ 26	2.03
144.273.32.100	PSC80 x PNER32 - 100	148	100	65	50	50	M16 x 2.0P	3 ~ 20	2.38
144.273.40.100	PSC80 x PNER40 - 100	148	100	69	63	63	M20 x 2.0P	6 ~ 26	2.73

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PNER 3µm collet.

Standard Accessory: • NUT

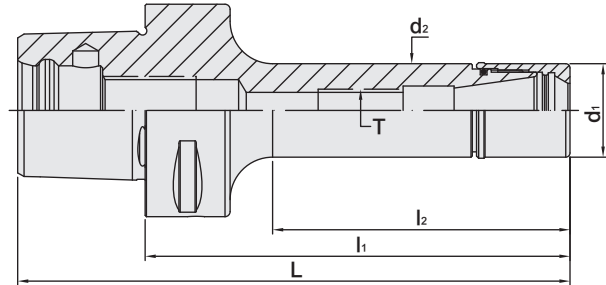
Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-5	P.W-45	P.W-66	P.W-88	P.W-68~73



PSC / PTER COLLET CHUCK



PSC / PTER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
140.528.16.040	PSC32 x PTER16 - 40	59	40	24	22	22	-	3 - 10	0.15
140.528.16.050	PSC32 x PTER16 - 50	69	50	34	22	22	-	3 - 10	0.18
140.528.20.050	PSC32 x PTER20 - 50	69	50	33	28	28	-	3 - 13	0.21
140.528.25.065	PSC32 x PTER25 - 65	84	65	49	35	34	-	3 - 16	0.32
141.528.16.050	PSC40 x PTER16 - 50	74	50	29	22	22	-	3 - 10	0.30
141.528.20.050	PSC40 x PTER20 - 50	74	50	29	28	28	-	3 - 13	0.30
141.528.25.065	PSC40 x PTER25 - 65	89	65	42	35	34	-	3 - 16	0.41
142.528.11.070	PSC50 x PTER11 - 70	100	70	40	16	16	M6 x 1.0P	3 - 7	0.49
142.528.11.100	PSC50 x PTER11 - 100	130	100	70	16	16	M6 x 1.0P	3 - 7	0.52
142.528.11.125	PSC50 x PTER11 - 125	155	125	95	16	16	M6 x 1.0P	3 - 7	0.55
142.528.11.150	PSC50 x PTER11 - 150	180	150	120	16	16	M6 x 1.0P	3 - 7	0.59
142.528.16.070	PSC50 x PTER16 - 70	100	70	40	22	22	-	3 - 10	0.52
142.528.16.100	PSC50 x PTER16 - 100	130	100	70	22	22	M10 x 1.5P	3 - 10	0.60
142.528.16.125	PSC50 x PTER16 - 125	155	125	95	22	22	M10 x 1.5P	3 - 10	0.66
142.528.16.150	PSC50 x PTER16 - 150	180	150	120	22	22	M10 x 1.5P	3 - 10	0.72
142.528.20.070	PSC50 x PTER20 - 70	100	70	45	28	28	-	3 - 13	0.57
142.528.20.100	PSC50 x PTER20 - 100	130	100	75	28	28	M12 x 1.75P	3 - 13	0.68
142.528.20.125	PSC50 x PTER20 - 125	155	125	100	28	28	M12 x 1.75P	3 - 13	0.79
142.528.20.150	PSC50 x PTER20 - 150	180	150	125	28	28	M12 x 1.75P	3 - 13	0.89

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PNER-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-5	P.W-47	P.W-66	P.W-88	P.W-68~73



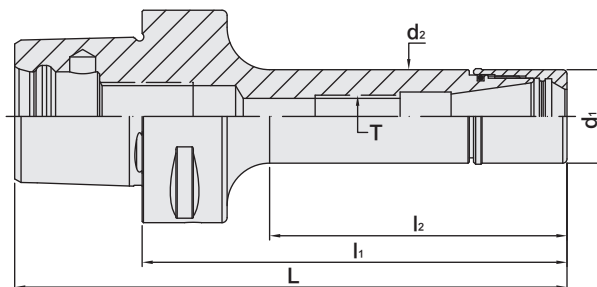
PSC / PTER COLLET CHUCK



PSC / PTER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
143.528.11.070	PSC63 x PTER11 - 70	108	70	43	16	16	M6 x 1.0P	3 ~ 7	0.79
143.528.11.100	PSC63 x PTER11 - 100	138	100	68	16	16	M6 x 1.0P	3 ~ 7	0.84
143.528.11.125	PSC63 x PTER11 - 125	163	125	88	16	16	M6 x 1.0P	3 ~ 7	0.89
143.528.11.150	PSC63 x PTER11 - 150	188	150	113	16	16	M6 x 1.0P	3 ~ 7	0.93
143.528.16.070	PSC63 x PTER16 - 70	108	70	38	22	22	-	3 ~ 10	0.84
143.528.16.100	PSC63 x PTER16 - 100	138	100	68	22	22	M10 x 1.5P	3 ~ 10	0.92
143.528.16.125	PSC63 x PTER16 - 125	163	125	93	22	22	M10 x 1.5P	3 ~ 10	0.98
143.528.16.150	PSC63 x PTER16 - 150	188	150	118	22	22	M10 x 1.5P	3 ~ 10	1.04
143.528.20.070	PSC63 x PTER20 - 70	108	70	38	28	28	-	3 ~ 13	0.89
143.528.20.100	PSC63 x PTER20 - 100	138	100	68	28	28	M12 x 1.75P	3 ~ 13	1.00
143.528.20.125	PSC63 x PTER20 - 125	163	125	93	28	28	M12 x 1.75P	3 ~ 13	1.12
143.528.20.150	PSC63 x PTER20 - 150	188	150	118	28	28	M12 x 1.75P	3 ~ 13	1.22

MAWCEPBIC

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use PNER-U 5µm collet.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-5	P.W-47	P.W-66	P.W-88	P.W-68~73



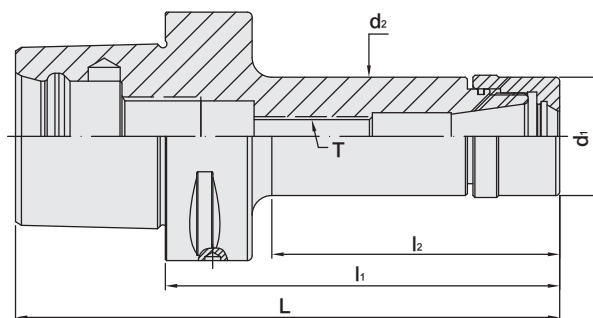
PSC / UT COLLET CHUCK



PSC / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
140.753.16.045	PSC32 x UT16 - 45	64	45	29	30	30	-	1 ~ 10	0.23
141.753.16.070	PSC40 x UT16 - 70	94	70	47	30	30	M10 x 1.5P	1 ~ 10	0.46
141.753.20.052	PSC40 x UT20 - 52	76	52	31.2	35	36	-	1 ~ 13	0.40
141.753.25.055	PSC40 x UT25 - 55	79	55	35	42	42	-	1 ~ 16	0.70
141.753.32.060	PSC40 x UT32 - 60	84	60	40	48	48	-	2 ~ 20	0.80
142.753.16.100	PSC50 x UT16 - 100	130	100	75	30	30	M10 x 1.5P	1 ~ 10	0.78
142.753.16.130	PSC50 x UT16 - 130	160	130	105	30	30	M10 x 1.5P	1 ~ 10	0.90
142.753.20.055	PSC50 x UT20 - 55	85	55	32	35	36	-	1 ~ 13	0.60
142.753.20.100	PSC50 x UT20 - 100	130	100	77	35	36	M12 x 1.75P	1 ~ 13	0.91
142.753.20.130	PSC50 x UT20 - 130	160	130	107	35	36	M12 x 1.75P	1 ~ 13	1.10
142.753.25.060	PSC50 x UT25 - 60	90	60	39	42	42	-	1 ~ 16	0.70
142.753.25.100	PSC50 x UT25 - 100	130	100	79	42	42	M16 x 2.0P	1 ~ 16	1.10
142.753.25.130	PSC50 x UT25 - 130	160	130	109	42	42	M16 x 2.0P	1 ~ 16	1.40
142.753.32.057	PSC50 x UT32 - 57	87	57	36	48	48	-	2 ~ 20	0.70
142.753.32.100	PSC50 x UT32 - 100	130	100	79	48	48	M16 x 2.0P	2 ~ 20	1.18

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-66	P.W-88	P.W-68~73



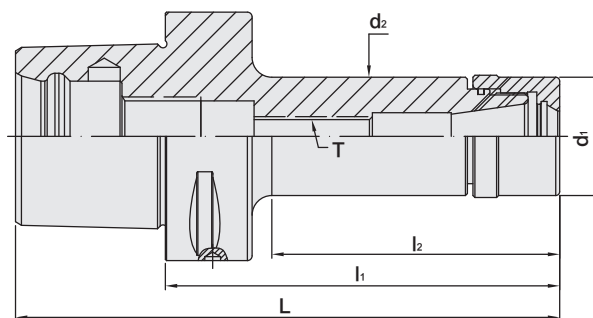
PSC / UT COLLET CHUCK



PSC / UT 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
143.753.16.100	PSC63 x UT16 - 100	138	100	73	30	30	M10 x 1.5P	1 ~ 10	1.09
143.753.16.130	PSC63 x UT16 - 130	168	130	103	30	30	M10 x 1.5P	1 ~ 10	1.19
143.753.16.160	PSC63 x UT16 - 160	198	160	133	30	30	M10 x 1.5P	1 ~ 10	1.30
143.753.20.060	PSC63 x UT20 - 60	98	60	33	35	36	-	1 ~ 13	0.95
143.753.20.100	PSC63 x UT20 - 100	138	100	70	35	36	M12 x 1.75P	1 ~ 13	1.23
143.753.20.130	PSC63 x UT20 - 130	168	130	100	35	36	M12 x 1.75P	1 ~ 13	1.41
143.753.20.160	PSC63 x UT20 - 160	198	160	130	35	36	M12 x 1.75P	1 ~ 13	1.58
143.753.25.065	PSC63 x UT25 - 65	103	65	38	42	42	-	1 ~ 16	0.95
143.753.25.100	PSC63 x UT25 - 100	138	100	73	42	42	M16 x 2.0P	1 ~ 16	1.25
143.753.25.130	PSC63 x UT25 - 130	168	130	103	42	42	M16 x 2.0P	1 ~ 16	1.54
143.753.25.160	PSC63 x UT25 - 160	198	160	133	42	42	M16 x 2.0P	1 ~ 16	1.82
143.753.32.070	PSC63 x UT32 - 70	108	70	43	48	48	-	2 ~ 20	1.15
143.753.32.100	PSC63 x UT32 - 100	138	100	73	48	48	M16 x 2.0P	2 ~ 20	1.48
143.753.32.130	PSC63 x UT32 - 130	168	130	103	48	48	M16 x 2.0P	2 ~ 20	1.87
143.753.32.160	PSC63 x UT32 - 160	198	160	133	48	48	M16 x 2.0P	2 ~ 20	2.23
144.753.16.070	PSC80 x UT16 - 70	118	70	35	30	30	-	1 ~ 10	2.10
144.753.16.100	PSC80 x UT16 - 100	148	100	65	30	30	M10 x 1.5P	1 ~ 10	2.70
144.753.16.160	PSC80 x UT16 - 160	208	160	120	30	30	M10 x 1.5P	1 ~ 10	2.90
144.753.20.070	PSC80 x UT20 - 70	118	70	35	35	35	-	1 ~ 13	2.60
144.753.20.100	PSC80 x UT20 - 100	148	100	65	35	35	M12 x 1.75P	1 ~ 13	2.90
144.753.20.160	PSC80 x UT20 - 160	208	160	120	35	35	M12 x 1.75P	1 ~ 13	3.20
144.753.25.070	PSC80 x UT25 - 70	118	70	35	42	42	-	1 ~ 16	2.70
144.753.25.100	PSC80 x UT25 - 100	148	100	65	42	42	M16 x 2.0P	1 ~ 16	2.90
144.753.25.160	PSC80 x UT25 - 160	208	160	120	42	42	M16 x 2.0P	1 ~ 16	3.50
144.753.32.070	PSC80 x UT32 - 70	118	70	39	48	48	-	2 ~ 20	1.96
144.753.32.100	PSC80 x UT32 - 100	148	100	65	48	48	M16 x 2.0P	2 ~ 20	2.32
144.753.32.160	PSC80 x UT32 - 160	208	160	125	48	48	M16 x 2.0P	2 ~ 20	3.06

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Use standard ER collets.

Standard Accessory: • NUT

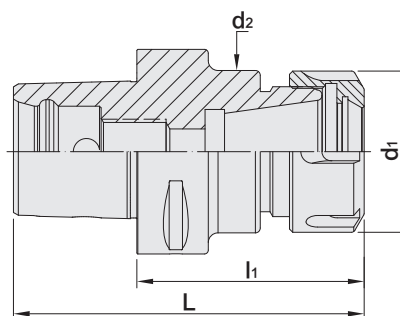
Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-66	P.W-88	P.W-68~73



PSC / ER COLLET CHUCK



PSC / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	SIZE RANGE	WEIGHT (KGS)
140.122.16.045	PSC32 x ER16A - 45	64	45	28	28	1 ~ 10	0.20
140.122.20.045	PSC32 x ER20A - 45	64	45	34	34	1 ~ 13	0.30
141.122.16.070	PSC40 x ER16A - 70	94	70	28	28	1 ~ 10	0.40
141.122.20.052	PSC40 x ER20A - 52	76	52	34	34	1 ~ 13	0.30
141.122.25.052	PSC40 x ER25 - 52	76	52	42	42	1 ~ 16	0.40
141.122.32.054	PSC40 x ER32 - 54	78	54	50	50	2 ~ 20	0.50
142.122.16.100	PSC50 x ER16A - 100	130	100	28	28	1 ~ 10	0.90
142.122.20.055	PSC50 x ER20A - 55	85	55	34	34	1 ~ 13	0.50
142.122.20.100	PSC50 x ER20A - 100	130	100	34	34	1 ~ 13	0.80
142.122.25.055	PSC50 x ER25 - 55	85	55	42	42	1 ~ 16	0.50
142.122.32.057	PSC50 x ER32 - 57	87	57	50	50	2 ~ 20	0.60
142.122.32.100	PSC50 x ER32 - 100	130	100	50	50	2 ~ 20	0.90
143.122.16.100	PSC63 x ER16A - 100	138	100	28	28	1 ~ 10	1.30
143.122.20.060	PSC63 x ER20A - 60	98	60	34	34	1 ~ 13	0.80
143.122.20.100	PSC63 x ER20A - 100	138	100	34	34	1 ~ 13	1.29
143.122.25.060	PSC63 x ER25 - 60	98	60	42	42	1 ~ 16	0.90
143.122.25.100	PSC63 x ER25 - 100	138	100	42	42	1 ~ 16	1.30
143.122.32.070	PSC63 x ER32 - 70	108	70	50	50	2 ~ 20	0.80
143.122.32.100	PSC63 x ER32 - 100	138	100	50	50	2 ~ 20	1.50
143.122.40.065	PSC63 x ER40 - 65	103	65	63	63	3 ~ 26	1.10
144.122.20.065	PSC80 x ER20A - 65	113	65	34	34	1 ~ 13	1.40
144.122.25.070	PSC80 x ER25 - 70	118	70	42	42	1 ~ 16	1.60
144.122.32.070	PSC80 x ER32 - 70	118	70	50	50	2 ~ 20	1.80
144.122.32.160	PSC80 x ER32 - 160	208	160	50	50	2 ~ 20	2.00
144.122.40.070	PSC80 x ER40 - 70	118	70	63	63	3 ~ 26	2.30
144.122.40.160	PSC80 x ER40 - 160	208	160	63	63	3 ~ 26	4.10
144.122.50.080	PSC80 x ER50 - 80	128	80	78	78	6 ~ 34	4.60

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-66	P.W-88	P.W-68~71

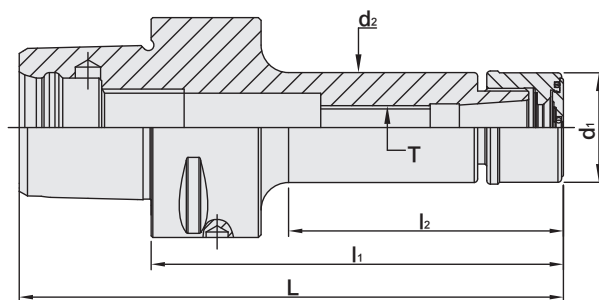


PSC / SKX COLLET CHUCK

5 μ m

PSC / SKX 立銑刀夾頭

台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
141.790.06.060	PSC40 x SKX6 - 60	84	60	35	18	18	M8 x 1.25P	3 ~ 6	0.28
141.790.10.075	PSC40 x SKX10 - 75	99	75	50	30	30	M12 x 1.75P	3 ~ 10	0.43
141.790.13.050	PSC40 x SKX13 - 50	74	50	29	35	33	-	3 ~ 13	0.70
141.790.16.080	PSC40 x SKX16 - 80	104	80	55	40	40	M18 x 1.5P	3 ~ 16	0.54
142.790.06.060	PSC50 x SKX6 - 60	90	60	35	18	18	M8 x 1.25P	3 ~ 6	0.45
142.790.06.080	PSC50 x SKX6 - 80	110	80	55	18	18	M8 x 1.25P	3 ~ 6	0.52
142.790.10.060	PSC50 x SKX10 - 60	90	60	35	30	30	M12 x 1.75P	3 ~ 10	0.53
142.790.10.090	PSC50 x SKX10 - 90	120	90	65	30	30	M12 x 1.75P	3 ~ 10	0.63
142.790.13.060	PSC50 x SKX13 - 60	90	60	35	35	33	-	3 ~ 13	0.70
142.790.16.080	PSC50 x SKX16 - 80	110	80	55	40	40	M18 x 1.5P	3 ~ 16	0.72
142.790.16.105	PSC50 x SKX16 - 105	135	105	80	40	40	M18 x 1.5P	3 ~ 16	1.27
143.790.06.060	PSC63 x SKX6 - 60	98	60	33	18	18	M8 x 1.25P	3 ~ 6	0.81
143.790.06.100	PSC63 x SKX6 - 100	138	100	73	18	18	M8 x 1.25P	3 ~ 6	0.88
143.790.06.120	PSC63 x SKX6 - 120	158	120	93	18	18	M8 x 1.25P	3 ~ 6	0.92
143.790.10.060	PSC63 x SKX10 - 60	98	60	33	30	30	M12 x 1.75P	3 ~ 10	0.87
143.790.10.105	PSC63 x SKX10 - 105	143	105	78	30	30	M12 x 1.75P	3 ~ 10	1.12
143.790.10.120	PSC63 x SKX10 - 120	158	120	93	30	30	M12 x 1.75P	3 ~ 10	1.19
143.790.13.090	PSC63 x SKX13 - 90	128	90	63	35	33	M12 x 1.75P	3 ~ 13	1.20
143.790.16.080	PSC63 x SKX16 - 80	118	80	53	40	40	-	3 ~ 16	1.06
143.790.16.105	PSC63 x SKX16 - 105	143	105	83	40	40	M18 x 1.5P	3 ~ 16	1.28
143.790.16.120	PSC63 x SKX16 - 120	158	120	98	40	40	M18 x 1.5P	3 ~ 16	1.41
143.790.20.090	PSC63 x SKX20 - 90	128	90	60	48.5	48.5	-	3 ~ 20	1.32
143.790.20.105	PSC63 x SKX20 - 105	143	105	80	48.5	48.5	M22 x 1.5P	3 ~ 20	1.48
143.790.20.135	PSC63 x SKX20 - 135	173	135	95	48.5	48.5	M22 x 1.5P	3 ~ 20	1.80
143.790.25.090	PSC63 x SKX25 - 90	128	90	65	55	55	-	3 ~ 25.4	1.32
143.790.25.135	PSC63 x SKX25 - 135	173	135	110	55	55	M22 x 1.5P	3 ~ 25.4	1.82
144.790.10.075	PSC80 x SKX10 - 75	123	75	22	30	30	M28 x 2.0P	3 ~ 10	1.84
144.790.10.090	PSC80 x SKX10 - 90	138	90	42	30	30	-	3 ~ 10	1.91
144.790.16.075	PSC80 x SKX16 - 75	123	75	37	40	40	M12 x 1.75P	3 ~ 16	1.89
144.790.16.090	PSC80 x SKX16 - 90	138	90	57	40	40	M18 x 1.5P	3 ~ 16	2.01

Features:

- ▶ SKX sealed cap is optional. Please order SKX sealed cap additionally.
- ▶ With the design of SKX sealed cap, coolant pressure capable up to 70 bar.
- ▶ Used with coolant-through tools.
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • NUT

Collet	Nut	Sealed Cap	Coolant Supply unit	Preset Screw	Spanner	Sealed Cap Spanner
P.W-29	P.W-55	P.W-56	P.W-66	P.W-88	P.W-68~73	P.W-72

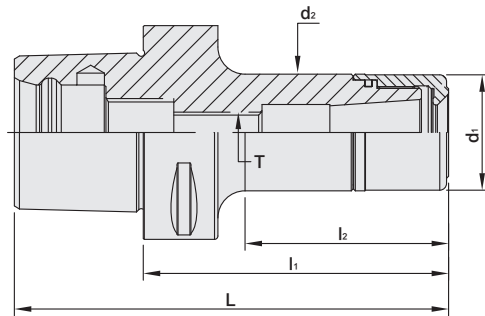


PSC / SK3 COLLET CHUCK

5μm

PSC / SK3 高速機專用夾頭

台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
141.763.06.075	PSC40 x SK306 - 75	99	75	48	19.5	19.5	M8 x 1.25P	3 ~ 6	0.20
141.763.10.075	PSC40 x SK310 - 75	99	75	28	27.5	27.5	M12 x 1.75P	3 ~ 10	0.20
141.763.13.075	PSC40 x SK313 - 75	99	75	54	33	33	M12 x 1.75P	3 ~ 13	0.30
142.763.06.060	PSC50 x SK306 - 60	90	60	34	19.5	19.5	M8 x 1.25P	3 ~ 6	0.50
142.763.06.075	PSC50 x SK306 - 75	105	75	49	19.5	19.5	M8 x 1.25P	3 ~ 6	0.60
142.763.06.090	PSC50 x SK306 - 90	120	90	62	19.5	19.5	M8 x 1.25P	3 ~ 6	0.70
142.763.10.075	PSC50 x SK310 - 75	105	75	49	27.5	27.5	M12 x 1.75P	3 ~ 10	0.70
142.763.10.090	PSC50 x SK310 - 90	120	90	64	27.5	27.5	M12 x 1.75P	3 ~ 10	0.80
142.763.13.075	PSC50 x SK313 - 75	105	75	49	33	33	M12 x 1.75P	3 ~ 13	0.70
142.763.13.090	PSC50 x SK313 - 90	120	90	64	33	33	M12 x 1.75P	3 ~ 13	0.90
142.763.16.075	PSC50 x SK316 - 75	105	75	53	40	40	M18 x 1.5P	3 ~ 16	0.90
142.763.16.090	PSC50 x SK316 - 90	120	90	69	40	40	M18 x 1.5P	3 ~ 16	1.10
143.763.06.060	PSC63 x SK306 - 60	98	60	30	19.5	19.5	M8 x 1.25P	3 ~ 6	0.80
143.763.06.075	PSC63 x SK306 - 75	113	75	43	19.5	19.5	M8 x 1.25P	3 ~ 6	0.90
143.763.06.090	PSC63 x SK306 - 90	128	90	58	19.5	19.5	M8 x 1.25P	3 ~ 6	1.00
143.763.10.075	PSC63 x SK310 - 75	98	75	43	27.5	27.5	M12 x 1.75P	3 ~ 10	0.90
143.763.10.090	PSC63 x SK310 - 90	128	90	58	27.5	27.5	M12 x 1.75P	3 ~ 10	1.10
143.763.13.075	PSC63 x SK313 - 75	98	75	45	33	33	M12 x 1.75P	3 ~ 13	1.00
143.763.13.090	PSC63 x SK313 - 90	128	90	60	33	33	M12 x 1.75P	3 ~ 13	1.20
143.763.16.075	PSC63 x SK316 - 75	98	75	47	40	40	M18 x 1.5P	3 ~ 16	1.10
143.763.16.090	PSC63 x SK316 - 90	128	90	60	40	40	M18 x 1.5P	3 ~ 16	1.30
144.763.06.060	PSC80 x SK306 - 60	108	60	27	19.5	19.5	M8 x 1.25P	3 ~ 6	1.80
144.763.06.075	PSC80 x SK306 - 75	123	75	42	19.5	19.5	M8 x 1.25P	3 ~ 6	1.90
144.763.06.090	PSC80 x SK306 - 90	138	90	57	19.5	19.5	M8 x 1.25P	3 ~ 6	2.00
144.763.10.075	PSC80 x SK310 - 75	123	75	42	27.5	27.5	M12 x 1.75P	3 ~ 10	2.10
144.763.10.090	PSC80 x SK310 - 90	138	90	57	27.5	27.5	M12 x 1.75P	3 ~ 10	2.20
144.763.13.075	PSC80 x SK313 - 75	123	75	42	33	33	M12 x 1.75P	3 ~ 13	2.10
144.763.13.090	PSC80 x SK313 - 90	138	90	57	33	33	M12 x 1.75P	3 ~ 13	2.30
144.763.16.075	PSC80 x SK316 - 75	123	75	42	40	40	M18 x 1.5P	3 ~ 16	2.20
144.763.16.090	PSC80 x SK316 - 90	138	90	57	40	40	M18 x 1.5P	3 ~ 16	2.40

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Patent number: TW PAT NO. M270871.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-66	P.W-88	P.W-68~73

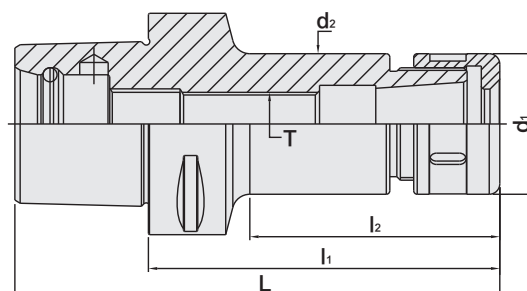


PSC / SKS COLLET CHUCK

5 μ m

PSC / SKS 高速機專用夾頭



台灣精品 2012
TAIWAN EXCELLENCE


T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
140.658.06.045	PSC32 x SKS6 - 45	64	45	28	18	18	M8 x 1.25P	3 ~ 6	0.20
140.658.10.045	PSC32 x SKS10 - 45	64	45	29	30	30	-	3 ~ 10	0.20
141.658.06.050	PSC40 x SKS6 - 50	74	50	28	18	18	M8 x 1.25P	3 ~ 6	0.50
141.658.10.050	PSC40 x SKS10 - 50	74	50	28	30	30	-	3 ~ 10	0.60
141.658.13.050	PSC40 x SKS13 - 50	74	50	29	35	33	-	3 ~ 13	0.70
141.658.16.050	PSC40 x SKS16 - 50	74	50	31.3	40	40	-	3 ~ 16	0.80
142.658.06.060	PSC50 x SKS6 - 60	90	60	35	18	18	M8 x 1.25P	3 ~ 6	0.50
142.658.10.060	PSC50 x SKS10 - 60	90	60	35	30	27.6	M12 x 1.75P	3 ~ 10	0.60
142.658.13.060	PSC50 x SKS13 - 60	90	60	35	35	33	-	3 ~ 13	0.70
142.658.16.060	PSC50 x SKS16 - 60	90	60	38	40	40	-	3 ~ 16	0.80
143.658.06.090	PSC63 x SKS6 - 90	128	90	46	18	18	M8 x 1.25P	3 ~ 6	1.00
143.658.10.090	PSC63 x SKS10 - 90	128	90	60	30	30	M12 x 1.75P	3 ~ 10	1.10
143.658.13.090	PSC63 x SKS13 - 90	128	90	63	35	33	M12 x 1.75P	3 ~ 13	1.20
143.658.16.100	PSC63 x SKS16 - 100	138	100	71	40	40	M18 x 1.5P	3 ~ 16	1.30
143.658.20.100	PSC63 x SKS20 - 100	138	100	75	48.5	48.5	M22 x 1.5P	3 ~ 20	1.40

Product information:

► Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Standard Accessory: • NUT

Collet	Nut	Coolant Supply unit	Preset Screw	Spanner
				
P.W-29~32	P.W-53~54	P.W-66	P.W-88	P.W-68~73

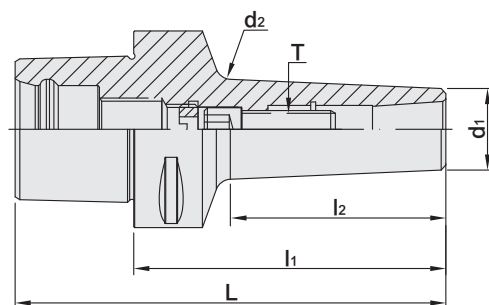


PSC / SBL SLIM-FIT COLLET CHUCK

PSC / SBL 後拉式立銑刀夾頭



台灣精品 2012
TAIWAN EXCELLENCE



TW PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
140.648.06.075	PSC32 x SBL6 - 75	94	75	58	14	20.1	M6 x 1.0P	12	9	3 ~ 6	0.50
140.648.12.090	PSC32 x SBL12 - 90	109	90	74	26	31.2	M10 x 1.5P	45	33	3 ~ 12	0.70
141.648.06.075	PSC40 x SBL6 - 75	99	75	43	14	18.5	M6 x 1.0P	12	9	3 ~ 6	0.60
141.648.12.090	PSC40 x SBL12 - 90	114	90	68	26	31.9	M10 x 1.5P	45	33	3 ~ 12	0.70
141.648.20.105	PSC40 x SBL20 - 105	129	105	57	35	40	M12 x 1.75P	60	44	3 ~ 20	0.80
142.648.06.080	PSC50 x SBL6 - 80	110	80	45	14	18.8	M6 x 1.0P	12	9	3 ~ 6	0.60
142.648.08.100	PSC50 x SBL8 - 100	130	100	70.5	20	27.3	M8 x 1.25P	29	21	3 ~ 8	0.65
142.648.12.105	PSC50 x SBL12 - 105	135	105	80	26	33	M10 x 1.5P	45	33	3 ~ 12	0.70
142.648.20.115	PSC50 x SBL20 - 115	145	115	94	35	43.2	M12 x 1.75P	60	44	3 ~ 20	0.80
143.648.06.080	PSC63 x SBL6 - 80	118	80	43	14	18.5	M6 x 1.0P	12	9	3 ~ 6	1.00
143.648.08.100	PSC63 x SBL8 - 100	138	100	68.5	20	27.1	M8 x 1.25P	29	21	3 ~ 8	0.98
143.648.12.100	PSC63 x SBL12 - 100	138	100	69	26	32	M10 x 1.5P	45	33	3 ~ 12	1.20
143.648.20.120	PSC63 x SBL20 - 120	158	120	91	35	42.9	M12 x 1.75P	60	44	3 ~ 20	1.40
144.648.06.080	PSC80 x SBL6 - 80	128	80	40.5	14	18.2	M6 x 1.0P	12	9	3 ~ 6	2.10
144.648.08.100	PSC80 x SBL8 - 100	148	100	60.5	20	26.3	M8 x 1.25P	29	21	3 ~ 8	1.9
144.648.12.100	PSC80 x SBL12 - 100	148	100	31.2	26	60.4	M10 x 1.5P	45	33	3 ~ 12	2.40
144.648.20.120	PSC80 x SBL20 - 120	168	120	42	35	80.4	M12 x 1.75P	60	44	3 ~ 20	2.60

Product information:

- Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Collet	Coolant Supply unit	Screw	Spanner
			
P.W-33	P.W-66	P.W-91	P.W-72

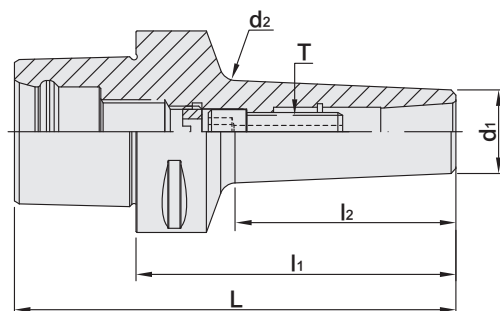


PSC / SBLC SLIM-FIT COLLET CHUCK

PSC / SBLC 後拉式立銑刀夾頭



台灣精品 2012
TAIWAN EXCELLENCE



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
140.648C.06.075	PSC32 x SBLC6 - 75	94	75	58	14	20.1	M6 x 1.0P	12	9	3 ~ 6	0.50
140.648C.12.090	PSC32 x SBLC12 - 90	109	90	74	26	31.2	M10 x 1.5P	45	33	3 ~ 12	0.70
141.648C.06.075	PSC40 x SBLC6 - 75	99	75	43	14	18.5	M6 x 1.0P	12	9	3 ~ 6	0.60
141.648C.12.090	PSC40 x SBLC12 - 90	114	90	68	26	31.9	M10 x 1.5P	45	33	3 ~ 12	0.70
141.648C.20.105	PSC40 x SBLC20 - 105	129	105	57	35	40	M12 x 1.75P	60	44	3 ~ 20	0.80
142.648C.06.080	PSC50 x SBLC6 - 80	110	80	45	14	18.8	M6 x 1.0P	12	9	3 ~ 6	0.60
142.648C.08.100	PSC50 x SBLC8 - 100	130	100	70.5	20	27.3	M8 x 1.25P	29	21	3 ~ 8	0.65
142.648C.12.105	PSC50 x SBLC12 - 105	135	105	80	26	33	M10 x 1.5P	45	33	3 ~ 12	0.70
142.648C.20.115	PSC50 x SBLC20 - 115	145	115	94	35	43.2	M12 x 1.75P	60	44	3 ~ 20	0.80
143.648C.06.080	PSC63 x SBLC6 - 80	118	80	43	14	18.5	M6 x 1.0P	12	9	3 ~ 6	1.00
143.648C.08.100	PSC63 x SBLC8 - 100	138	100	68.5	20	27.1	M8 x 1.25P	29	21	3 ~ 8	0.98
143.648C.12.100	PSC63 x SBLC12 - 100	138	100	69	26	32	M10 x 1.5P	45	33	3 ~ 12	1.20
143.648C.20.120	PSC63 x SBLC20 - 120	158	120	91	35	42.9	M12 x 1.75P	60	44	3 ~ 20	1.40
144.648C.06.080	PSC80 x SBLC6 - 80	128	80	40.5	14	18.2	M6 x 1.0P	12	9	3 ~ 6	2.10
144.648C.08.100	PSC80 x SBLC8 - 100	148	100	60.5	20	26.3	M8 x 1.25P	29	21	3 ~ 8	1.9
144.648C.12.100	PSC80 x SBLC12 - 100	148	100	31.2	26	60.4	M10 x 1.5P	45	33	3 ~ 12	2.40
144.648C.20.120	PSC80 x SBLC20 - 120	168	120	42	35	80.4	M12 x 1.75P	60	44	3 ~ 20	2.60

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Used with SLC sealed collet and coolant through cutters.

Collet	Coolant Supply unit	Screw	Spanner
			
P.W-34	P.W-66	P.W-91	P.W-72

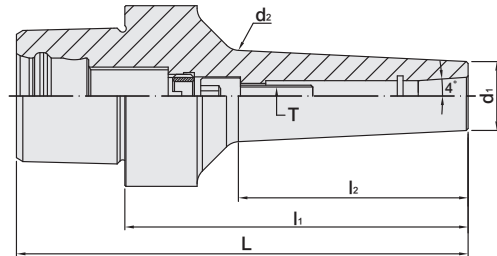


PSC / EBL SLIM-FIT COLLET CHUCK

PSC / EBL 後拉式刀桿



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
141.277.06.100	PSC40 x EBL6 - 100	124	100	75.2	19.05	26.4	M6 x 1.0P	12	9	3 ~ 6	0.58
142.277.06.100	PSC50 x EBL6 - 100	130	100	68.5	19.05	25.7	M6 x 1.0P	12	9	3 ~ 6	0.79
142.277.08.100	PSC50 x EBL8 - 100	130	100	74.1	22.225	29.4	M8 x 1.25P	29	21	3 ~ 8	0.79
143.277.06.100	PSC63 x EBL6 - 100	138	100	66.4	19.05	25.5	M6 x 1.0P	12	9	3 ~ 6	1.10
143.277.08.100	PSC63 x EBL8 - 100	138	100	64.8	22.225	28.5	M8 x 1.25P	29	21	3 ~ 8	1.15
143.277.08.125	PSC63 x EBL8 - 125	163	125	91	22.225	31.1	M8 x 1.25P	29	21	3 ~ 8	1.25
143.277.08.150	PSC63 x EBL8 - 150	188	150	116.8	22.225	33.7	M8 x 1.25P	29	21	3 ~ 8	1.37
144.277.06.100	PSC80 x EBL6 - 100	148	100	66.4	19.05	25.5	M6 x 1.0P	12	9	3 ~ 6	2.19
144.277.08.100	PSC80 x EBL8 - 100	148	100	64.8	19.05	28.5	M8 x 1.25P	29	21	3 ~ 8	3.56

МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

- ▶ Balance: G2.5 25,000rpm.

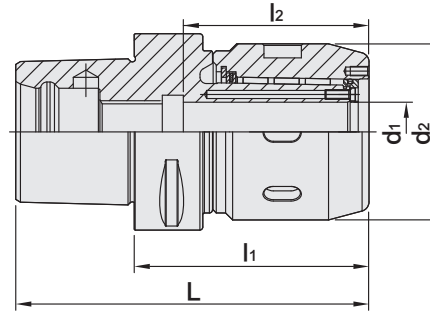
Standard Accessory: • ALLEN WRENCH

Collet	Sealed Collet	Coolant Supply unit	Screw	Spanner
P.W-35	P.W-36	P.W-66	P.W-91	P.W-72



PSC / MLD MULTI-LOCK MILLING CHUCK

PSC / MLD 直式筒夾銑床夾頭



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
142.463G.16.065	PSC50 x MLD16 - 65	95	65	56.7	16	48	1.00
142.463G.16.090	PSC50 x MLD16 - 90	120	90	56.7	16	48	1.50
142.463G.20.075	PSC50 x MLD20 - 75	105	75	59.3	20	56.5	1.20
142.463G.20.090	PSC50 x MLD20 - 90	120	90	59.3	20	56.5	1.40
142.463G.25.085	PSC50 x MLD25 - 85	115	85	58.2	25	60	1.60
142.463G.25.105	PSC50 x MLD25 - 105	135	105	58.2	25	60	1.80
142.463G.32.090	PSC50 x MLD32 - 90	120	90	71.7	32	71	1.90
143.463G.16.070	PSC63 x MLD16 - 70	108	70	56.7	16	48	1.20
143.463G.16.090	PSC63 x MLD16 - 90	128	90	59.3	16	48	1.40
143.463G.20.075	PSC63 x MLD20 - 75	113	75	59.3	20	56.5	1.40
143.463G.20.090	PSC63 x MLD20 - 90	128	90	59.3	20	56.5	1.60
143.463G.25.080	PSC63 x MLD25 - 80	118	80	58.2	25	60	1.70
143.463G.25.090	PSC63 x MLD25 - 90	128	90	58.2	25	60	1.90
143.463G.32.085	PSC63 x MLD32 - 85	123	85	71.7	32	71	2.20
143.463G.32.105	PSC63 x MLD32 - 105	143	105	71.7	32	71	2.40
144.463G.16.070	PSC80 x MLD16 - 70	118	70	56.7	16	48	2.30
144.463G.16.105	PSC80 x MLD16 - 105	153	105	56.7	16	48	2.50
144.463G.20.080	PSC80 x MLD20 - 80	128	80	59.3	20	56.5	2.60
144.463G.20.105	PSC80 x MLD20 - 105	153	105	59.3	20	56.5	2.80
144.463G.25.085	PSC80 x MLD25 - 85	133	85	58.2	25	60	2.80
144.463G.25.105	PSC80 x MLD25 - 105	153	105	58.2	25	60	3.10
144.463G.32.090	PSC80 x MLD32 - 90	138	90	71.7	32	71	2.90
144.463G.32.105	PSC80 x MLD32 - 105	153	105	71.7	32	71	3.10

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

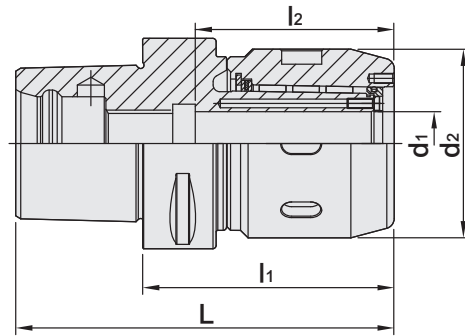
Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Coolant Supply unit	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-66	P.W-88	P.W-71~72	P.W-73



PSC / MLD MULTI-LOCK MILLING CHUCK

PSC / MLD 直式筒夾銑床夾頭



T W PAT NO. M447277
 T W PAT NO. M430337
 T W PAT NO. M451185
 C N PAT NO. ZL201220749784.4
 C H PAT NO. ZL201220749942.6

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
142.463G.61.250	PSC50 x MLD5/8" - 2.5"	3.681	2.5	2.23	0.625	1.889	1.00
142.463G.61.350	PSC50 x MLD5/8" - 3.5"	4.681	3.5	2.23	0.625	1.889	1.50
142.463G.64.300	PSC50 x MLD3/4" - 3"	4.181	3	2.34	0.75	2.224	1.20
142.463G.64.350	PSC50 x MLD3/4" - 3.5"	4.681	3.5	2.34	0.75	2.224	1.40
142.463G.68.335	PSC50 x MLD1" - 3.35"	4.531	3.35	2.49	1	2.362	1.60
142.463G.68.413	PSC50 x MLD1" - 4.13"	5.314	4.13	2.49	1	2.362	1.80
142.463G.72.350	PSC50 x MLD1-1/4" - 3.5"	4.681	3.5	2.8	1.25	2.795	1.90
143.463G.61.275	PSC63 x MLD5/8" - 2.75"	4.246	2.75	2.23	0.625	1.889	1.20
143.463G.61.350	PSC63 x MLD5/8" - 3.5"	4.996	3.5	2.23	0.625	1.889	1.40
143.463G.64.300	PSC63 x MLD3/4" - 3"	4.496	3	2.34	0.75	2.224	1.40
143.463G.64.350	PSC63 x MLD3/4" - 3.5"	4.996	3.5	2.34	0.75	2.224	1.60
143.463G.68.315	PSC63 x MLD1" - 3.15"	4.645	3.15	2.49	1	2.362	1.70
143.463G.68.350	PSC63 x MLD1" - 3.5"	4.996	3.5	2.49	1	2.362	1.90
143.463G.72.335	PSC63 x MLD1-1/4" - 3.35"	4.846	3.35	2.8	1.25	2.795	2.20
143.463G.72.413	PSC63 x MLD1-1/4" - 4.13"	5.626	4.13	2.8	1.25	2.795	2.40
144.463G.61.275	PSC80 x MLD5/8" - 2.75"	4.639	2.75	2.23	0.625	1.889	2.30
144.463G.61.413	PSC80 x MLD5/8" - 4.13"	6.019	4.13	2.23	0.625	1.889	2.50
144.463G.64.315	PSC80 x MLD3/4" - 3.15"	5.039	3.15	2.34	0.75	2.224	2.60
144.463G.64.413	PSC80 x MLD3/4" - 4.13"	6.019	4.13	2.34	0.75	2.224	2.80
144.463G.68.335	PSC80 x MLD1" - 3.35"	5.239	3.35	2.49	1	2.362	2.80
144.463G.68.413	PSC80 x MLD1" - 4.13"	6.019	4.13	2.49	1	2.362	3.10
144.463G.72.350	PSC80 x MLD1-1/4" - 3.5"	5.389	3.5	2.8	1.25	2.795	2.90
144.463G.72.413	PSC80 x MLD1-1/4" - 4.13"	6.019	4.13	2.8	1.25	2.795	3.10

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

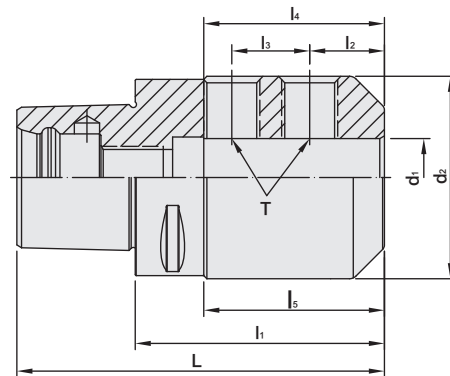
Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Coolant Supply unit	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-66	P.W-88	P.W-71~72	P.W-73



PSC / SLN SIDE LOCK END MILL HOLDER

PSC / SLN 側固式立銑刀柄



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
140.653.06.045	PSC32 x SLN6 - 45	64	45	18	-	35	29	6	25	M6	0.30
140.653.08.045	PSC32 x SLN8 - 45	64	45	18	-	35	29.5	8	28	M8	0.30
140.653.10.050	PSC32 x SLN10 - 50	69	50	20	-	39	35	10	35	M10	0.40
140.653.12.055	PSC32 x SLN12 - 55	74	55	22.5	-	38	40	12	42	M12	0.30
141.653.06.050	PSC40 x SLN6 - 50	74	50	18	-	35	25	6	25	M6	0.40
141.653.08.050	PSC40 x SLN8 - 50	74	50	18	-	35	26	8	28	M8	0.40
141.653.10.050	PSC40 x SLN10 - 50	74	50	20	-	39	27.5	10	35	M10	0.50
141.653.12.055	PSC40 x SLN12 - 55	79	55	22.5	-	44	35	12	42	M12	0.60
141.653.14.055	PSC40 x SLN14 - 55	79	55	22.5	-	39	35	14	44	M12	0.60
141.653.16.055	PSC40 x SLN16 - 55	79	55	24	-	37	35	16	47	M14	0.70
142.653.06.050	PSC50 x SLN6 - 50	80	50	18	-	35	25	6	25	M6	0.60
142.653.08.050	PSC50 x SLN8 - 50	80	50	18	-	35	25	8	28	M8	0.70
142.653.10.055	PSC50 x SLN10 - 55	85	55	20	-	39	30	10	35	M10	0.70
142.653.12.060	PSC50 x SLN12 - 60	90	60	22.5	-	44	38	12	42	M12	0.90
142.653.14.060	PSC50 x SLN14 - 60	90	60	22.5	-	44	37	14	44	M12	0.80
142.653.16.060	PSC50 x SLN16 - 60	90	60	24	-	43	39	16	48	M14	1.00
142.653.18.060	PSC50 x SLN18 - 60	90	60	24	-	45	-	18	50	M14	1.00
142.653.20.060	PSC50 x SLN20 - 60	90	60	25	-	43	40	20	52	M16	1.00
142.653.25.080	PSC50 x SLN25 - 80	110	80	24	25	58	60	25	65	M18	1.80

Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit Lock Screw



P.W-66

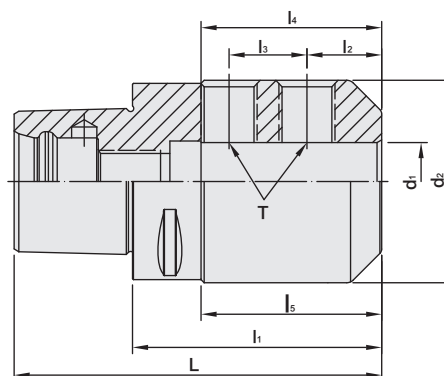


P.W-90



PSC / SLN SIDE LOCK END MILL HOLDER

PSC / SLN 側固式立銑刀柄



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
143.653.06.055	PSC63 x SLN6 - 55	93	55	18	-	35	28	6	25	M6	0.90
143.653.08.055	PSC63 x SLN8 - 55	93	55	18	-	39	28	8	28	M8	0.90
143.653.10.060	PSC63 x SLN10 - 60	98	60	20	-	39	33	10	35	M10	1.00
143.653.12.060	PSC63 x SLN12 - 60	98	60	22.5	-	44	33	12	42	M12	1.10
143.653.14.060	PSC63 x SLN14 - 60	98	60	22.5	-	44	33	14	44	M12	1.10
143.653.16.065	PSC63 x SLN16 - 65	103	65	24	-	47	40	16	48	M14	1.20
143.653.18.065	PSC63 x SLN18 - 65	103	65	24	-	44	40	18	50	M14	1.20
143.653.20.065	PSC63 x SLN20 - 65	103	65	25	-	49	40	20	52	M16	1.50
143.653.25.080	PSC63 x SLN25 - 80	118	80	24	25	58	58	25	65	M18	1.90
143.653.32.090	PSC63 x SLN32 - 90	128	90	24	28	58	63	32	72	M20	2.40
143.653.40.100	PSC63 x SLN40 - 100	138	100	30	32	75	78	40	90	M20	3.70
144.653.06.070	PSC80 x SLN6 - 70	118	70	18	-	35	35	6	25	M6	2.10
144.653.08.070	PSC80 x SLN8 - 70	118	70	18	-	35	35	8	28	M8	2.10
144.653.10.070	PSC80 x SLN10 - 70	118	70	20	-	39	35	10	35	M10	2.20
144.653.12.070	PSC80 x SLN12 - 70	118	70	22.5	-	44	35	12	42	M12	2.20
144.653.14.070	PSC80 x SLN14 - 70	118	70	22.5	-	44	35	14	44	M12	2.30
144.653.16.070	PSC80 x SLN16 - 70	118	70	24	-	47	35	16	48	M14	2.30
144.653.18.070	PSC80 x SLN18 - 70	118	70	24	-	44	35	18	50	M14	2.30
144.653.20.070	PSC80 x SLN20 - 70	118	70	25	-	49	37	20	52	M16	2.30
144.653.25.090	PSC80 x SLN25 - 90	138	90	24	25	58	59	25	65	M18	2.40
144.653.32.095	PSC80 x SLN32 - 95	143	95	24	28	63	63.5	32	72	M20	2.90
144.653.40.110	PSC80 x SLN40 - 110	158	110	30	32	75	79.5	40	90	M20	4.50
144.653.50.120	PSC80 x SLN50 - 120	168	120	35	35	78	90	50	98	M24	5.50

Product information:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 10,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit Lock Screw



P.W-66

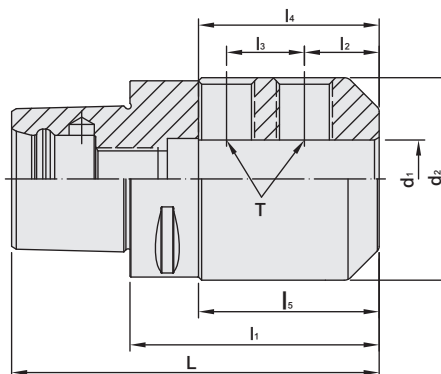


P.W-90



PSC / SLN SIDE LOCK END MILL HOLDER

PSC / SLN 側固式立銑刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
140.653.54.177	PSC32 x SLN1/4" - 1.77"	2.52	1.77	0.63	-	1.38	0.984	0.25	0.78	1/4 - 28	0.30
140.653.55.177	PSC32 x SLN5/16" - 1.77"	2.52	1.77	0.63	-	1.38	1.06	0.3125	0.88	5/16 - 24	0.30
140.653.56.197	PSC32 x SLN3/8" - 1.97"	2.72	1.97	0.75	-	1.38	1.34	0.375	1	3/8 - 24	0.40
140.653.58.217	PSC32 x SLN1/2" - 2.17"	2.91	2.17	0.875	-	1.732	1.57	0.5	1.25	7/6 - 20	0.30
141.653.54.197	PSC40 x SLN1/4" - 1.97"	2.91	1.97	0.63	-	1.38	0.984	0.25	0.78	1/4 - 28	0.40
141.653.55.197	PSC40 x SLN5/16" - 1.97"	2.91	1.97	0.6	-	1.38	1.06	0.3125	0.88	5/16 - 24	0.40
141.653.56.197	PSC40 x SLN3/8" - 1.97"	2.91	1.97	0.75	-	1.38	1.08	0.375	1	3/8 - 24	0.50
141.653.58.217	PSC40 x SLN1/2" - 2.17"	3.11	2.17	0.875	-	1.732	1.34	0.5	1.25	7/6 - 20	0.60
141.653.59.217	PSC40 x SLN9/16" - 2.17"	3.11	2.17	0.937	-	1.81	1.38	0.5625	1.75	1/2 - 20	0.60
141.653.61.217	PSC40 x SLN5/8" - 2.17"	3.11	2.17	0.937	-	1.73	1.34	0.625	1.5	1/2 - 20	0.70
142.653.54.200	PSC50 x SLN1/4" - 2"	3.18	2	0.63	-	1.38	1	0.25	0.78	1/4 - 28	0.60
142.653.55.200	PSC50 x SLN5/16" - 2"	3.18	2	0.6	-	1.38	1.02	0.3125	0.88	5/16 - 24	0.70
142.653.56.217	PSC50 x SLN3/8" - 2.17"	3.35	2.17	0.75	-	1.38	1.18	0.375	1	3/8 - 24	0.70
142.653.58.236	PSC50 x SLN1/2" - 2.36"	3.54	2.36	0.875	-	1.732	1.38	0.5	1.25	7/6 - 20	0.90
142.653.59.236	PSC50 x SLN9/16" - 2.36"	3.54	2.36	0.937	-	1.77	1.46	0.5625	1.75	1/2 - 20	0.80
142.653.61.236	PSC50 x SLN5/8" - 2.36"	3.54	2.36	0.937	-	1.69	1.46	0.625	1.5	1/2 - 20	1.00
142.653.64.236	PSC50 x SLN3/4" - 2.36"	3.54	2.36	1	-	1.69	1.53	0.75	1.75	5/8 - 18	1.00
142.653.68.315	PSC50 x SLN1" - 3.15"	4.33	3.15	1.125	1	2.559	2.36	1	2	3/4 - 16	1.00
143.653.54.217	PSC63 x SLN1/4" - 2.17"	3.66	2.17	0.63	-	1.38	1.102	0.25	0.78	1/4 - 28	1.80
143.653.55.217	PSC63 x SLN5/16" - 2.17"	3.66	2.17	0.6	-	1.38	1.102	0.3125	0.88	5/16 - 24	0.90
143.653.56.236	PSC63 x SLN3/8" - 2.36"	3.86	2.36	0.75	-	1.38	1.299	0.375	1	3/8 - 24	0.90
143.653.58.236	PSC63 x SLN1/2" - 2.36"	3.86	2.36	0.875	-	1.732	1.299	0.5	1.25	7/6 - 20	1.00
143.653.59.236	PSC63 x SLN9/16" - 2.36"	3.86	2.36	0.937	-	1.85	1.338	0.5625	1.75	1/2 - 20	1.10
143.653.61.256	PSC63 x SLN5/8" - 2.56"	4.06	2.56	0.937	-	1.85	1.496	0.625	1.5	1/2 - 20	1.10
143.653.64.256	PSC63 x SLN3/4" - 2.56"	4.06	2.56	1	-	1.929	1.496	0.75	1.75	5/8 - 18	1.20
143.653.68.315	PSC63 x SLN1" - 3.15"	4.65	3.15	1.125	-	2.559	2.283	1	2	3/4 - 16	1.20
143.653.72.354	PSC63 x SLN1-1/4" - 3.54"	5.04	3.54	1.125	1	2.559	2.677	1.25	2.5	3/4 - 16	1.50
143.653.77.394	PSC63 x SLN1-1/2" - 3.94"	5.43	3.94	1.125	1	2.56	3.07	1.5	2.5	3/4 - 16	1.90

Product information:

- ▶ Internal hole tolerance: H5(DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ The pre-balance reaches G6.3 10 ,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit Lock Screw



P.W-66



P.W-90



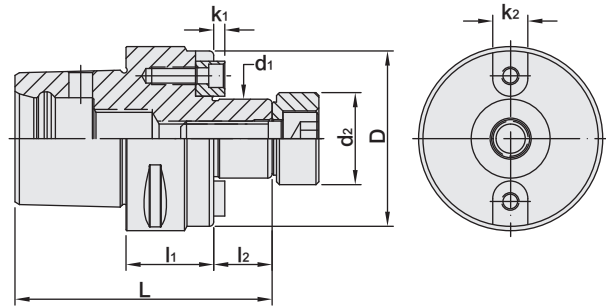
PSC FACE MILL ARBOR

FMA TYPE

PSC / FMA 平面銑刀柄



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TAIWAN EXCELLENCE





INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	D	k ₁	k ₂	WEIGHT (KGS)
142.151.64.150	PSC50 x FMA3/4" - 1.5"	3.49	1.5	0.69	0.75	0.875	1.69	0.19	0.31	0.50
142.151.68.157	PSC50 x FMA1" - 1.57"	3.44	1.57	0.69	1	1.187	2.19	0.19	0.375	0.80
143.151.68.200	PSC63 x FMA1" - 2"	4.18	2	0.69	1	1.187	2.19	0.19	0.375	0.90
143.151.72.200	PSC63 x FMA1-1/4" - 2"	4.18	2	0.69	1.25	1.5	2.75	0.25	0.5	1.00
143.151.77.200	PSC63 x FMA1-1/2" - 2"	4.48	2	0.99	1.5	1.75	2.95	0.35	0.63	1.60
144.151.64.118	PSC80 x FMA3/4" - 1.18"	3.76	1.18	0.69	0.75	0.875	3.15	0.19	0.31	1.70
144.151.68.118	PSC80 x FMA1" - 1.18"	3.76	1.18	0.69	1	1.187	3.15	0.19	0.375	1.80
144.151.72.118	PSC80 x FMA1-1/4" - 1.18"	3.76	1.18	0.69	1.25	1.5	3.15	0.25	0.5	2.00
144.151.77.236	PSC80 x FMA1-1/2" - 2.36"	5.23	2.36	0.99	1.5	1.75	2.95	0.32	0.63	2.10

МАШСЕРВИС

Features:

- ▶ d1 tolerance: h6.

Coolant Supply unit	Screw
	
P.W-66	P.W-90



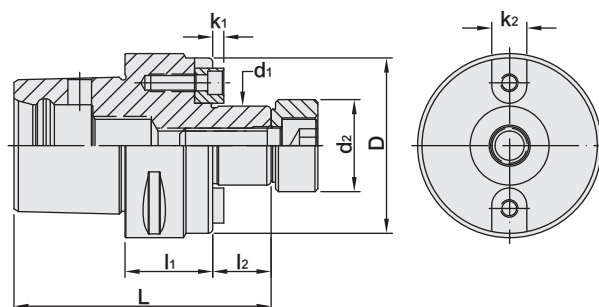
PSC FACE MILL ARBOR

FMB TYPE

PSC / FMB 平面銑刀柄



台灣精品 2012
TAIWAN EXCELLENCE



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	k ₁	k ₂	WEIGHT (KGS)
140.153.16.030	PSC32 x FMB16 - 30	65	30	16	32	16	-	4	8	0.30
141.153.16.032	PSC40 x FMB16 - 32	72	32	16	34	16	-	4	8	0.30
141.153.16.055	PSC40 x FMB16 - 55	95	55	16	34	16	-	4	8	0.40
141.153.22.025	PSC40 x FMB22 - 25	68	25	19	40	22	26	4.8	10	0.40
141.153.22.055	PSC40 x FMB22 - 55	98	55	19	48	22	26	4.8	10	0.70
142.153.16.035	PSC50 x FMB16 - 35	81	35	16	34	16	-	4	8	0.60
142.153.16.070	PSC50 x FMB16 - 70	116	70	16	34	16	-	4	8	0.70
142.153.22.025	PSC50 x FMB22 - 25	74	25	19	48	22	26	4.8	10	0.60
142.153.22.070	PSC50 x FMB22 - 70	119	70	19	48	22	26	4.8	10	1.00
142.153.27.025	PSC50 x FMB27 - 25	75	25	20	50	27	31.5	5.8	12	0.70
142.153.32.040	PSC50 x FMB32 - 40	92	40	22	63	32	41	6.8	14	1.20
143.153.16.040	PSC63 x FMB16 - 40	94	40	16	34	16	-	4	8	0.90
143.153.22.040	PSC63 x FMB22 - 40	97	40	19	48	22	26	4.8	10	0.90
143.153.27.030	PSC63 x FMB27 - 30	88	30	20	60	27	31.5	5.8	12	1.00
143.153.32.045	PSC63 x FMB32 - 45	105	45	22	78	32	41	6.8	14	1.60
143.153.40.045	PSC63 x FMB40 - 45	108	45	25	80	40	48	8.3	16	1.60
144.153.16.050	PSC80 x FMB16 - 50	114	50	16	34	16	-	4	8	1.80
144.153.22.030	PSC80 x FMB22 - 30	97	30	19	48	22	26	4.8	10	1.80
144.153.27.030	PSC80 x FMB27 - 30	98	30	20	60	27	31.5	5.8	12	2.00
144.153.32.030	PSC80 x FMB32 - 30	100	30	22	78	32	41	6.8	14	2.10
144.153.40.030	PSC80 x FMB40 - 30	103	30	25	80	40	48	8.3	16	2.10
144.153.60.060	PSC80 x FMB60 - 60	148	60	40	129	60	-	12.5	25.4	5.30
145.153.40.040	PSC80X x FMB40 - 40	113	40	25	80	40	48	8.3	16	3.20
145.153.60.070	PSC80X x FMB60 - 70	158	70	40	129	60	-	12.5	25.4	6.90

Features:

- ▶ d1 tolerance: h6.

Coolant Supply unit	Screw
	
P.W-66	P.W-90



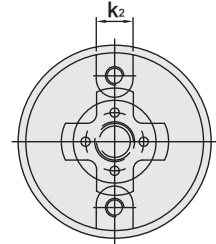
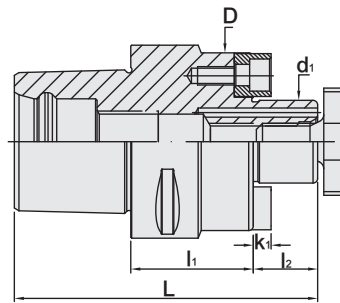
PSC FACE MILL ARBOR

FMC TYPE

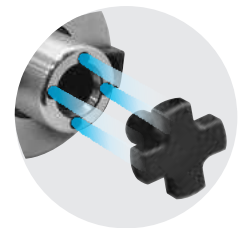
PSC / FMC 平面銑刀柄



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	k ₁	k ₂	WEIGHT (KGS)
140.157.16.030	PSC32 x FMC16 - 30	66	30	17	38	16	5	8	0.30
141.157.16.035	PSC40 x FMC16 - 35	79	35	17	38	16	5	8	0.30
141.157.22.040	PSC40 x FMC22 - 40	83	40	19	48	22	4.8	10	0.60
142.157.16.035	PSC50 x FMC16 - 35	82	35	17	38	16	5	8	0.70
142.157.22.040	PSC50 x FMC22 - 40	89	40	19	48	22	4.8	10	0.60
142.157.27.040	PSC50 x FMC27 - 40	91	40	21	58	27	5.8	12	0.70
142.157.32.040	PSC50 x FMC32 - 40	94	40	24	78	32	6.8	14	1.20
143.157.16.035	PSC63 x FMC16 - 35	90	35	17	38	16	5	8	0.90
143.157.22.040	PSC63 x FMC22 - 40	92	40	19	48	22	4.8	10	0.90
143.157.27.040	PSC63 x FMC27 - 40	99	40	21	58	27	5.8	12	0.90
143.157.32.040	PSC63 x FMC32 - 40	102	40	24	78	32	6.8	14	1.00
143.157.40.045	PSC63 x FMC40 - 45	110	45	27	89	40	8.3	16	1.60
144.157.27.050	PSC80 x FMC27 - 50	119	50	21	58	27	5.8	12	1.80
144.157.32.050	PSC80 x FMC32 - 50	122	50	24	78	32	6.8	14	2.00
144.157.40.055	PSC80 x FMC40 - 55	130	55	27	89	40	8.3	16	2.10



Features:

- ▶ With four coolant holes at the end of holder.

Nut	Coolant Supply unit	Spanner
P.W-67	P.W-66	P.W-67

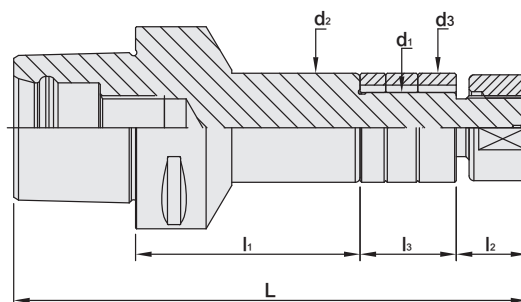


PSC / SCA SIDE CUTTER ADAPTER

PSC / SCA 側銑刀柄



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
140.649.16.020	PSC32 x SCA16 - 20	85	20	16	30	16	26	26	0.20
141.649.16.025	PSC40 x SCA16 - 25	95	25	16	30	16	26	26	0.30
141.649.22.025	PSC40 x SCA22 - 25	101	25	22	30	22	34	34	0.40
141.649.27.025	PSC40 x SCA27 - 25	107	25	28	30	27	41	40	0.60
142.649.16.025	PSC50 x SCA16 - 25	101	25	16	30	16	26	26	0.60
142.649.22.025	PSC50 x SCA22 - 25	107	25	22	30	22	34	34	0.70
142.649.27.025	PSC50 x SCA27 - 25	113	25	28	30	27	41	40	0.80
142.649.32.025	PSC50 x SCA32 - 25	117	25	32	30	32	47	46	0.90
143.649.16.060	PSC63 x SCA16 - 60	144	60	16	30	16	26	26	0.90
143.649.22.070	PSC63 x SCA22 - 70	160	70	22	30	22	34	34	1.00
143.649.27.090	PSC63 x SCA27 - 90	186	90	28	30	27	41	40	1.20
143.649.32.085	PSC63 x SCA32 - 85	185	85	32	30	32	47	46	1.40
144.649.16.040	PSC80 x SCA16 - 40	134	40	16	30	16	26	26	1.80
144.649.22.040	PSC80 x SCA22 - 40	140	40	22	30	22	34	34	2.00
144.649.27.030	PSC80 x SCA27 - 30	136	30	28	30	27	41	40	2.10
144.649.32.030	PSC80 x SCA32 - 30	140	30	32	30	32	47	46	2.20
144.649.40.030	PSC80 x SCA40 - 30	148	30	40	30	40	55	55	2.50

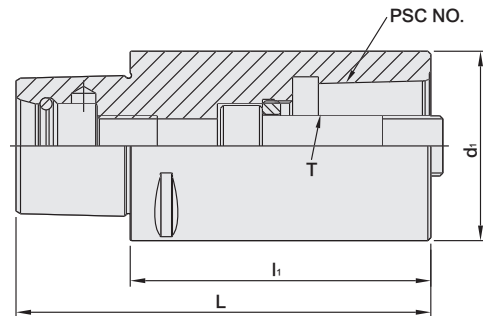
PSC EXTENSION ADAPTER

FOR SAME DIAMETER

PSC 等徑套筒



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	PSC NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
140.501.32.060	PSC32 x PSC32 - 60	PSC32	79	60	32	M12 x 1.5P	45	33	0.40
140.501.32.080	PSC32 x PSC32 - 80	PSC32	99	80	32	M12 x 1.5P	45	33	0.50
141.501.40.060	PSC40 x PSC40 - 60	PSC40	84	60	40	M14 x 1.5P	55	40	0.50
141.501.40.080	PSC40 x PSC40 - 80	PSC40	104	80	40	M14 x 1.5P	55	40	0.70
142.501.50.080	PSC50 x PSC50 - 80	PSC50	110	80	50	M16 x 1.5P	95	70	1.10
142.501.50.100	PSC50 x PSC50 - 100	PSC50	130	100	50	M16 x 1.5P	95	70	1.40
143.501.63.080	PSC63 x PSC63 - 80	PSC63	118	80	63	M20 x 2.0P	170	125	2.00
143.501.63.100	PSC63 x PSC63 - 100	PSC63	138	100	63	M20 x 2.0P	170	125	2.20
144.501.80.065	PSC80 x PSC80 - 65	PSC80	113	65	80	M20 x 2.0P	170	125	3.10
144.501.80.100	PSC80 x PSC80 - 100	PSC80	148	100	80	M20 x 2.0P	170	125	3.60
144.501.80.125	PSC80 x PSC80 - 125	PSC80	173	125	80	M20 x 2.0P	170	125	4.60
145.501.80.065	PSC80X x PSC80 - 65	PSC80	113	65	80	M20 x 2.0P	170	125	4.00
145.501.80.100	PSC80X x PSC80 - 100	PSC80	148	100	80	M20 x 2.0P	170	125	4.40
145.501.80.150	PSC80X x PSC80 - 150	PSC80	198	150	80	M20 x 2.0P	170	125	7.30
145.501.80X.100	PSC80X x PSC80X - 100	PSC80X	148	100	100	M20 x 2.0P	170	125	5.80

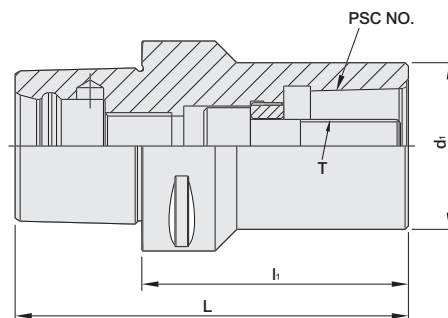
PSC EXTENSION ADAPTER

FOR DIFFERENT DIAMETER

PSC 異徑套筒



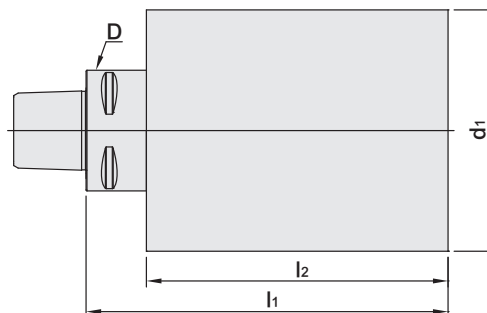
台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
141.501.32.055	PSC40 x PSC32 - 55	PSC32	79	55	32	M12 x 1.5P	45	33	0.50
141.501.32.070	PSC40 x PSC32 - 70	PSC32	94	70	32	M12 x 1.5P	45	33	0.60
142.501.32.060	PSC50 x PSC32 - 60	PSC32	90	60	32	M12 x 1.5P	45	33	0.60
142.501.40.065	PSC50 x PSC40 - 65	PSC40	95	65	40	M14 x 1.5P	55	40	0.80
142.501.40.085	PSC50 x PSC40 - 85	PSC40	115	85	40	M14 x 1.5P	55	40	1.10
143.501.32.070	PSC63 x PSC32 - 70	PSC32	108	70	32	M12 x 1.5P	45	33	1.10
143.501.40.080	PSC63 x PSC40 - 80	PSC40	118	80	40	M14 x 1.5P	55	40	1.20
143.501.50.080	PSC63 x PSC50 - 80	PSC50	118	80	50	M16 x 1.5P	95	70	1.50
143.501.50.110	PSC63 x PSC50 - 110	PSC50	148	110	50	M16 x 1.5P	95	70	2.20
144.501.32.060	PSC80 x PSC32 - 60	PSC32	108	60	32	M12 x 1.5P	45	33	1.70
144.501.40.070	PSC80 x PSC40 - 70	PSC40	118	70	40	M14 x 1.5P	55	40	1.90
144.501.50.045	PSC80 x PSC50 - 45	PSC50	93	45	50	M16 x 1.5P	95	70	1.50
144.501.50.080	PSC80 x PSC50 - 80	PSC50	128	80	50	M16 x 1.5P	95	70	2.20
144.501.63.055	PSC80 x PSC63 - 55	PSC63	103	55	63	M20 x 2.0P	170	125	2.30
144.501.63.080	PSC80 x PSC63 - 80	PSC63	128	80	63	M20 x 2.0P	170	125	2.50
144.501.63.120	PSC80 x PSC63 - 120	PSC63	168	120	63	M20 x 2.0P	170	125	4.00
145.501.63.055	PSC80X x PSC63 - 55	PSC63	103	55	63	M20 x 2.0P	170	125	3.00
145.501.63.080	PSC80X x PSC63 - 80	PSC63	128	80	63	M20 x 2.0P	170	125	3.40

PSC BLANK

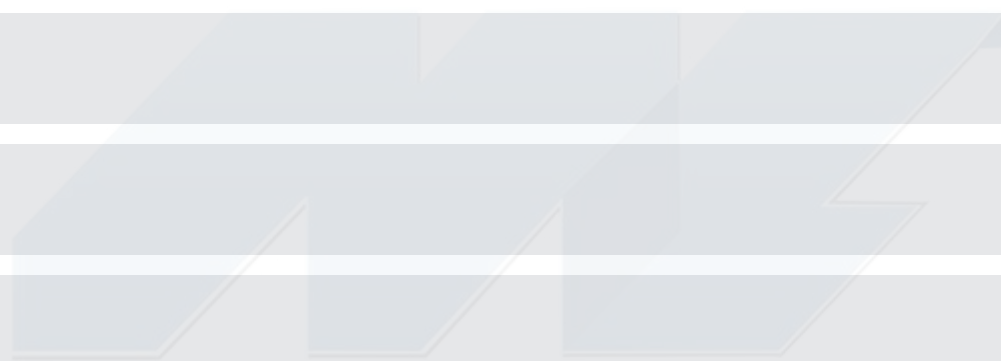
PSC 素材



MODEL NO.	TYPE	D	d ₁	l ₁	l ₂	WEIGHT (KGS)
140.001.32.090	PSC32 x ϕ 32 - 90	32	32	90	-	0.53
140.001.60.090	PSC32 x ϕ 60 - 90	32	60	90	75	1.65
141.001.40.120	PSC40 x ϕ 40 - 120	40	40	120	-	1.30
141.001.80.120	PSC40 x ϕ 80 - 120	40	80	120	100	4.12
142.001.50.150	PSC50 x ϕ 50 - 150	50	50	150	-	2.38
142.001.95.150	PSC50 x ϕ 95 - 150	50	95	150	130	7.60
143.001.63.180	PSC63 x ϕ 63 - 180	63	63	180	-	4.56
143.001.120.180	PSC63 x ϕ 120 - 180	63	120	180	158	14.5
144.001.80.200	PSC80 x ϕ 80 - 200	80	80	200	-	8.30
144.001.145.200	PSC80 x ϕ 145 - 200	80	145	200	170	23.3
145.001.145.200	PSC80X x ϕ 145 - 200	100	145	200	168	23.2

МАШСЕРВИС

MEMO



МАШСЕРВИС



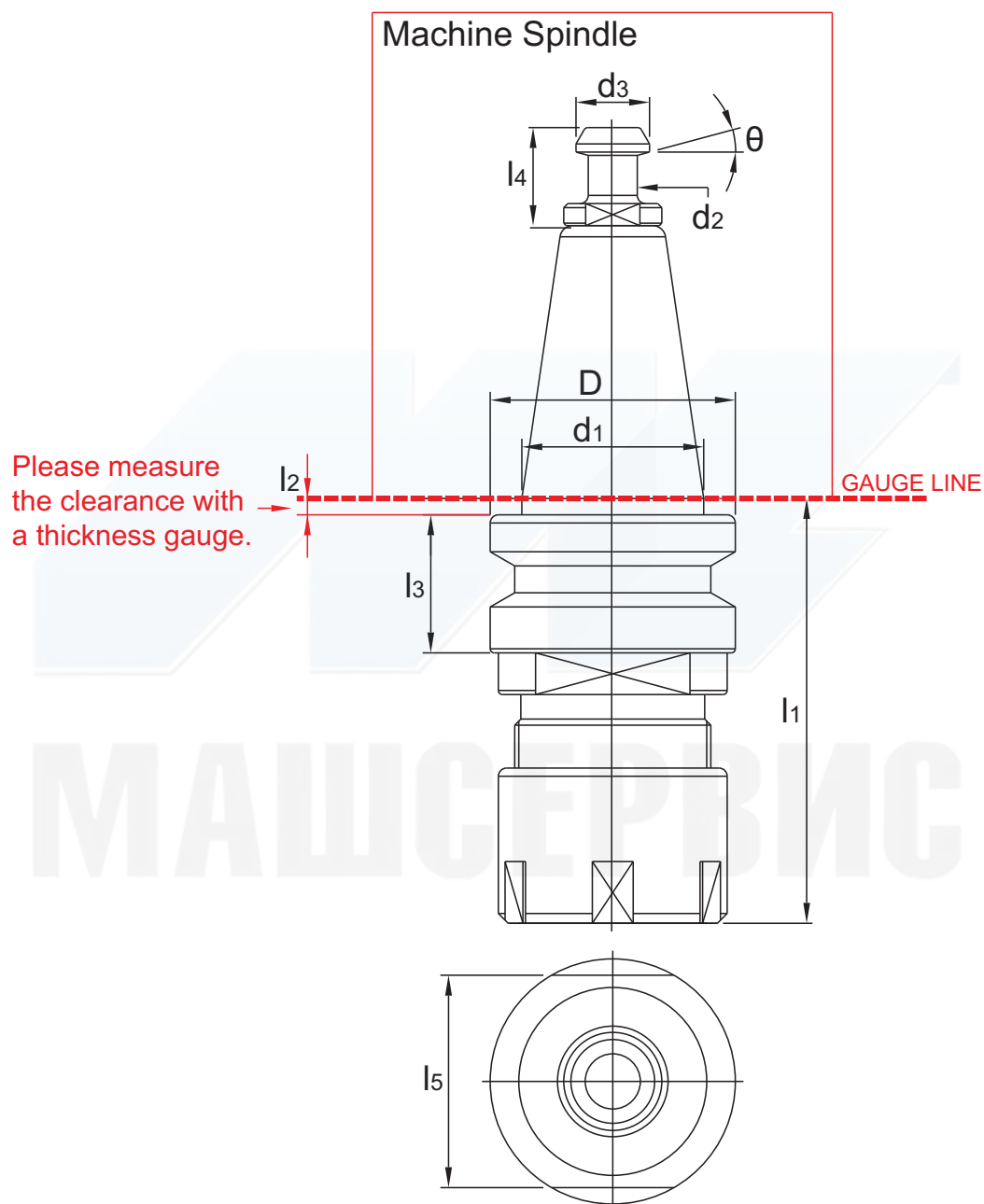
ISO CATEGORY

ER COLLET CHUCK SYSTEM	J-3
SKS COLLET CHUCK SYSTEM	J-4
SBL SLIM-FIT COLLET CHUCK	J-5
SBLC SLIM-FIT COLLET CHUCK	J-6
EBL SLIM-FIT COLLET CHUCK	J-7

МАШСЕРВИС

TOOLING MEASUREMENT GUIDE FOR SPECIAL ORDERS

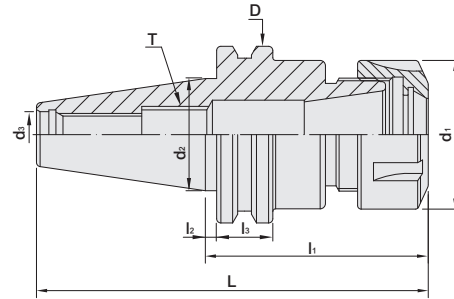
When ordering the custom-made ISO tool holders, please offer the following dimensions (shown as the drawing) by filling out the form. Thank you!



ISO / ER COLLET CHUCK W/OUT SLOTS



ISO / ER 立銑刀夾頭



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
86102	ISO20 x ER11A - 52	83.3	52	2	8	33	19	21.642	8.5	M6	1 ~ 7	0.55
86103	ISO20 x ER16AD - 52	85.4	52	2	15.9	30	28	22.255	8.5	M10	1 ~ 10	0.60
86104	ISO20 x ER16A - 52	83.3	52	2	8	33	28	21.642	8.5	M10	1 ~ 10	0.60
86105	ISO20 x ER20AD - 52	85.4	52	2	15.9	30	34	22.255	8.5	M10	1 ~ 13	0.65
86106	ISO20 x ER20A - 52	83.3	52	2	8	33	34	21.642	8.5	M12	1 ~ 13	0.65
86112	ISO25 x ER11A - 52	89.7	52	2.95	8	37	19	25.114	8.5	M6	1 ~ 7	0.60
86114	ISO25 x ER16A - 52	89.7	52	2.95	8	37	28	24.91	8.5	M10	1 ~ 10	0.65
86116	ISO25 x ER20A - 52	89.7	52	2.95	8	37	34	25.114	8.5	M12	1 ~ 13	0.70
86122	ISO30 x ER11A - 80	127.8	80	3.2	15.9	50	19	31.75	13	M6	1 ~ 7	0.70
86124	ISO30 x ER16A - 63	110.8	63	3.2	15.9	50	28	31.75	13	M10	1 ~ 10	0.80
86126	ISO30 x ER20A - 63	110.8	63	3.2	15.9	50	34	31.75	13	M12	1 ~ 13	0.85
86128	ISO30 x ER25 - 63	110.8	63	3.2	15.9	50	42	31.75	13	M16	1 ~ 16	0.90
86130	ISO30 x ER32 - 63	110.8	63	3.2	15.9	50	50	31.75	13	M16	2 ~ 20	0.90
86132	ISO30 x ER40 - 57	104.8	57	3.2	15.9	50	63	31.75	13	M16	3 ~ 26	0.95

МАШГЕРБИС

Features:

- ▶ Whole shank body with grinding.
- ▶ Balance: G2.5 40,000RPM.

Standard Accessory: • NUT

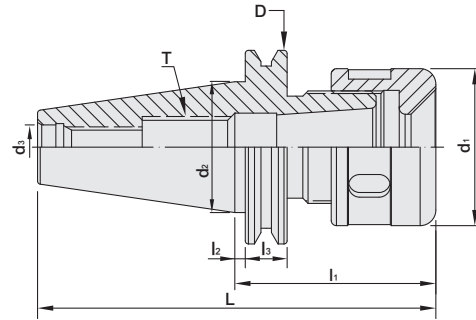
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-64	P.W-88	P.W-68~71



ISO / SKS COLLET CHUCK

W/OUT SLOTS

ISO / SKS 高速機專用夾頭



T W PAT NO. M270871

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	T	SIZE RANGE	WEIGHT (KGS)
86852	ISO20 x SKS6 - 45	76.3	45	3.9	8	33	18	21.642	8.5	M8	3 ~ 6	0.55
86854	ISO20 x SKS6 - 60	91.3	60	3.9	8	33	18	21.642	8.5	M8	3 ~ 6	0.60
86856	ISO20 x SKS10 - 45	76.3	45	3.9	8	33	30	21.642	8.5	M12	3 ~ 10	0.60
86858	ISO20 x SKS10 - 60	91.3	60	3.9	8	33	30	21.642	8.5	M12	3 ~ 10	0.70
86862	ISO25 x SKS6 - 45	82.7	45	2.0	8	37	18	25	8.5	M8	3 ~ 6	0.60
86864	ISO25 x SKS6 - 60	97.7	60	2.0	8	37	18	25	8.5	M8	3 ~ 6	0.65
86866	ISO25 x SKS10 - 40	77.7	40	2.0	8	37	30	25	8.5	M12	3 ~ 10	0.70
86868	ISO25 x SKS10 - 60	97.7	60	2.0	8	37	30	25	8.5	M12	3 ~ 10	0.75
86872	ISO30 x SKS6 - 45	92.8	45	3.2	15.9	50	18	31.75	13	M8	3 ~ 6	0.65
86874	ISO30 x SKS6 - 60	107.8	60	3.2	15.9	50	18	31.75	13	M8	3 ~ 6	0.70
86876	ISO30 x SKS10 - 45	92.8	45	3.2	15.9	50	30	31.75	13	M12	3 ~ 10	0.80
86878	ISO30 x SKS10 - 60	107.8	60	3.2	15.9	50	30	31.75	13	M12	3 ~ 10	0.85
86880	ISO30 x SKS16 - 60	107.8	60	3.2	15.9	50	40	31.75	13	M18	3 ~ 16	0.72

МАШСЕРВИС

Features:

- ▶ Whole shank body with grinding.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

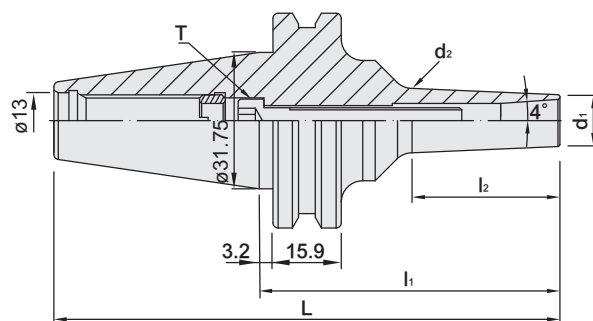
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
				
P.W-29~32	P.W-53~54	P.W-64	P.W-88	P.W-68~72

ISO / SBL SLIM-FIT COLLET CHUCK

W/OUT SLOTS

ISO / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
86822	ISO30 x SBL6 - 70	117.8	70	39	14	18	M6	12	9	3 ~ 6	0.70
86824	ISO30 x SBL12 - 70	117.8	70	46	26	30	M10	45	33	3 ~ 12	0.80
86826	ISO30 x SBL20 - 80	127.8	80	58	35	37	M12	60	44	3 ~ 20	0.85





МАШСЕРВИС

Features:

- ▶ Slim designs avoid interference.
- ▶ Chucking in the front part of collet which hides inside.
- ▶ Good design for high speed rotation with good stability because of non-clamping nut.
- ▶ 4° taper angle is good for powerful chucking and can strip easily.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

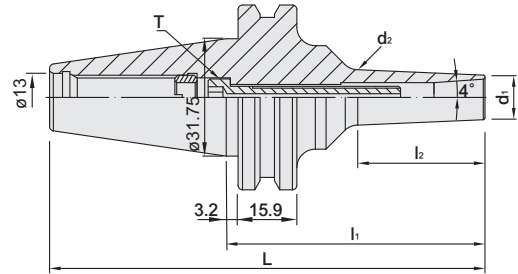
Collet	Pull Stud	Screw	Spanner
			
P.W-33	P.W-64	P.W-91	P.W-72



ISO / SBLC SLIM-FIT COLLET CHUCK

W/OUT SLOTS

ISO / SBLC 後拉式立銑刀夾頭



T W PAT NO. M274178

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
86822C	ISO30 x SBLC6 - 70	117.8	70	39	14	18	M6	12	9	3 ~ 6	0.70
86824C	ISO30 x SBLC12 - 70	117.8	70	46	26	30	M10	45	33	3 ~ 12	0.80
86826C	ISO30 x SBLC20 - 80	127.8	80	58	35	37	M12	60	44	3 ~ 20	0.85

МАШСЕРВИС

Features:

- ▶ Slim designs avoid interference.
- ▶ Chucking in the front part of collet which hides inside.
- ▶ Good design for high speed rotation with good stability because of non-clamping nut.
- ▶ 4° taper angle is good for powerful chucking and can strip easily.

Product information:

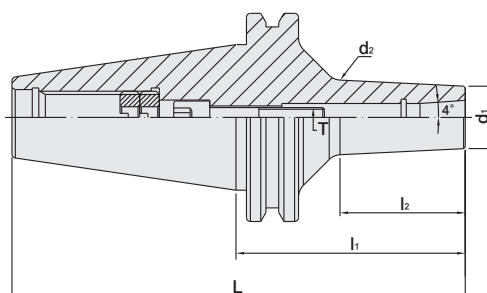
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ Used with SLC sealed collet and coolant through cutters.

Standard Accessory: • SPANNER

Collet	Pull Stud	Screw	Spanner
P.W-34	P.W-64	P.W-91	P.W-72

ISO / EBL SLIM-FIT COLLET CHUCK

ISO / EBL 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
113.277.06.070	ISO30 x EBL6 - 70	117.8	70	41.2	19.05	23.1	M6 x 1.0P	12	9	3 ~ 6	0.52



МАШСЕРВИС



▶ SBL



▶ EBL

Features:

- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates micro-vibration.
- ▶ Use with CTS to achieve better dustproof ability and chip evacuation. Capable of coolant pressure up to 25 bar.

Product information:

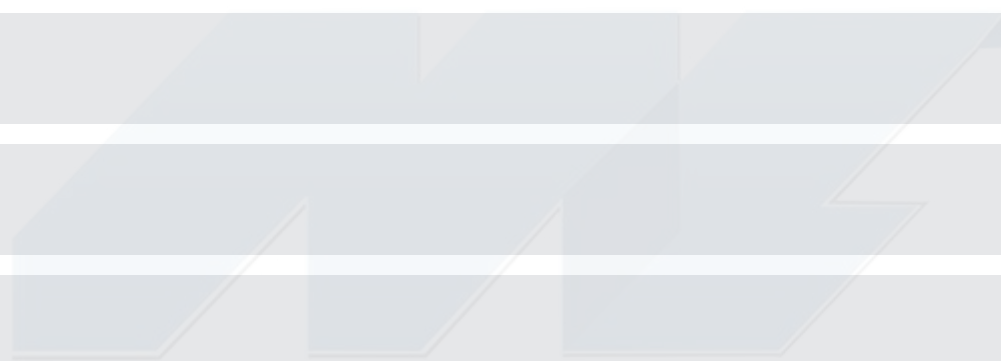
- ▶ Balance: G2.5 25,000rpm.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

Collet	Sealed Collet	Pull Stud	Screw	Spanner
				
P.W-35	P.W-36	P.W-64	P.W-91	P.W-72



MEMO



МАШСЕРВИС



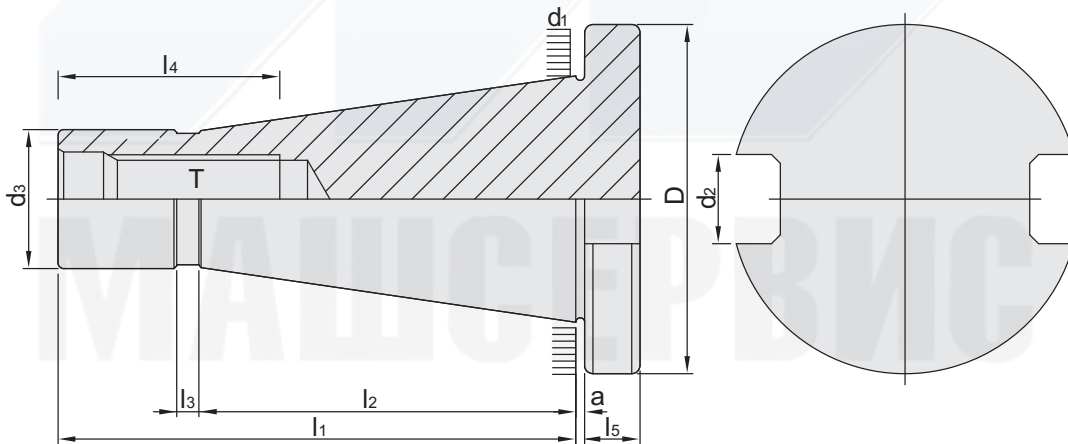
NT.MT CATEGORY

ER COLLET CHUCK SYSTEM	K-3
MLD MULTI - LOCK MILLING CHUCK	K-4
EOC COLLET CHUCK	K-5
TG COLLET CHUCK	K-6
SLN SIDE LOCK END MILL HOLDER	K-7
FACE MILL ARBOR	K-8
COMBI SHELL END MILL ARBOR	K-9
SPU DRILL CHUCK	K-10
DRILL CHUCK ARBOR	K-11
MORSE TAPER ADAPTER	K-12
ADAPTER	K-13

REFERENCE DETAILS

DIN 2080

- ▶ Shank body standard: **DIN 2080**
- ▶ Taper tolerance < **AT3**
- ▶ Hardness > **HRC 56°**
- ▶ Surface roughness: Ra < **0.25 μm**
- ▶ Roundness < **0.8 μm**
- ▶ Carbon depth > **0.8mm**
- ▶ The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.



NT	D 0 -0.4	d ₁	d ₂ H12	d ₃ min	a ±0.2	l ₁	l ₂
30	50	31.75	16.1	17.04	1.6	68.4	48.4
40	63	44.45	16.1	24.92	1.6	93.4	65.4
50	97.5	69.85	25.7	39.19	3.2	126.8	101.8
NT	l ₃	l ₄	l ₅ ±0.15	T			
30	3	24	8	1/2" - 12W, M12 x 1.75P, 1/2" - 13UNC			
40	5	32	10	5/8" - 11W, M16 x 2.0P			
50	8	47	12	1" - 8W, M24 x 3.0P			

NT / ER COLLET HOLDER

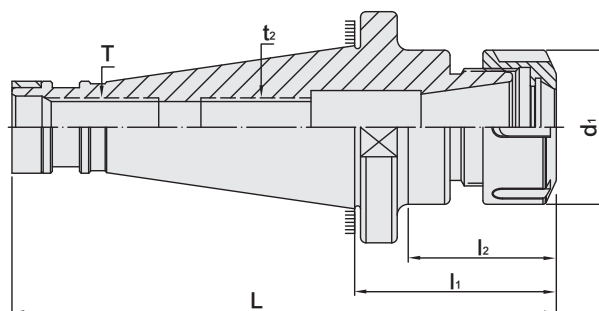


NT / ER 銑夾頭柄

(DIN ISO 15488)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	t ₂	T DRAW BAR		WEIGHT (KGS)
04732	NT30 x ER16A - 45	113.4	45	29.4	28	M10 x 1.5P	M12 x 1.75P	1/2" - 12	0.50
04733	NT30 x ER20A - 45	113.4	45	32	34	M12 x 1.75P	M12 x 1.75P	1/2" - 12	0.60
04734	NT30 x ER25 - 55	123.4	55	42	42	M16 x 2.0P	M12 x 1.75P	1/2" - 12	0.65
04735	NT30 x ER32 - 60	128.4	60	48	50	M16 x 2.0P	M12 x 1.75P	1/2" - 12	0.80
04736	NT30 x ER40 - 75	143.4	75	63	63	M16 x 2.0P	M12 x 1.75P	1/2" - 12	0.90
04738	NT40 x ER16A - 45	138.4	45	30	28	M10 x 1.5P	M16 x 2.0P	5/8" - 11	0.95
04740	NT40 x ER20A - 45	138.4	45	30	34	M12 x 1.75P	M16 x 2.0P	5/8" - 11	1.20
04742	NT40 x ER25 - 55	148.4	55	40	42	M16 x 2.0P	M16 x 2.0P	5/8" - 11	1.25
04743	NT40 x ER32 - 60	153.4	60	45	50	M16 x 2.0P	M16 x 2.0P	5/8" - 11	1.30
04745	NT40 x ER40 - 70	161.8	70	53.8	63	M20 x 2.0P	M16 x 2.0P	5/8" - 11	1.35
04746	NT40 x ER50 - 80	173.4	80	68	78	M24 x 2.0P	M16 x 2.0P	5/8" - 11	2.00
04748	NT50 x ER32 - 75	201.8	75	49	50	M16 x 2.0P	M24 x 3.0P	1" - 8	3.20
04749	NT50 x ER40 - 80	206.8	80	59	63	M20 x 2.0P	M24 x 3.0P	1" - 8	3.40
04750	NT50 x ER50 - 80	206.8	80	62	78	M24 x 2.0P	M24 x 3.0P	1" - 8	3.70

Fig.1

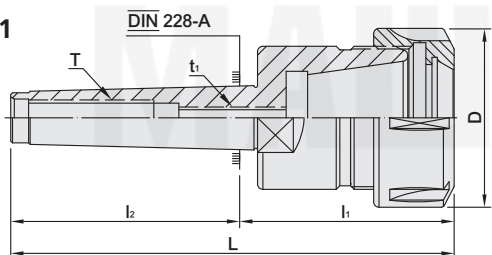
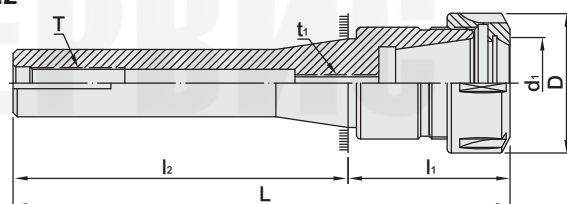


Fig.2



MODEL NO.	TYPE MTB x ER x l ₁	l ₂	L	D	t ₁	T DRAW BAR		Fig.	WEIGHT (KGS)
04700	MTB2 x ER20A - 52	64	116	35	M10 x 1.5P	M10 x 1.5P	3/8" W16	1	0.45
04701	MTB2 x ER25 - 55	64	119	42	M10 x 1.5P	M10 x 1.5P	3/8" W16	1	0.50
04702	MTB3 x ER25 - 55	81	136	42	M12 x 1.75P	M12 x 1.75P	1/2" W12	1	0.60
04703	MTB3 x ER32 - 60	81	141	50	M12 x 1.75P	M12 x 1.75P	1/2" W12	1	0.80
04704	MTB3 x ER40 - 70	81	151	63	M12 x 1.75P	M12 x 1.75P	1/2" W12	1	1.30
04705	MTB4 x ER32 - 60	102.5	162.5	50	M16 x 2.0P	M16 x 2.0P	5/8" W11	1	0.95
04706	MTB4 x ER40 - 70	102.5	172.5	63	M16 x 2.0P	M16 x 2.0P	5/8" W11	1	1.50
04717	R8 x ER16A - 38	101	136	28	16	M10 x 1.5P	7/16" NF20	2	0.65
04718	R8 x ER32 - 60	101	161	50	32	M12 x 1.75P	7/16" NF20	2	0.90
04719	R8 x ER40 - 65	101	168	63	40	M16 x 2.0P	7/16" NF20	2	1.15

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71



MLD MULTI-LOCK MILLING CHUCK

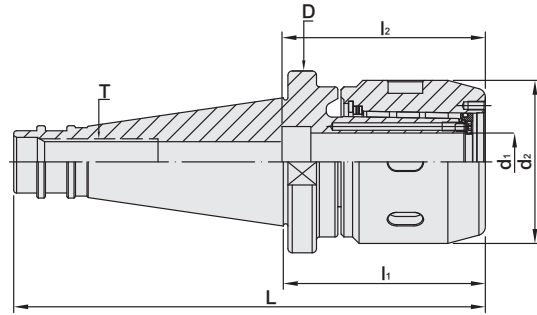
MLD 直式筒夾 銑床夾頭



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M447277
T W PAT NO. M430337
T W PAT NO. M451185
C N PAT NO. ZL201220749784.4
C H PAT NO. ZL201220749942.6



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	T		WEIGHT (KGS)
85930G	NT30 x MLD20 - 70	138.4	70	63.5	50	20	56.5	1/2" - 12	M12 x 1.75P	1.90
85932G	NT40 x MLD20 - 70	163.4	70	63.5	52	20	56.5	5/8" - 11	M16 x 2.0P	2.30
85934G	R8 x MLD20 - 70	174	70	63.5	52	20	56.5	7/16" - 20		1.90
85938G	MTB5 x MLD32 - 90	218.5	90	71.8	67	32	71	1" - 8	M24 x 3.0P	3.80
85940G	NT40 x MLD32 - 85	178.4	85	71.8	67	32	71	5/8" - 11	M16 x 2.0P	2.60
85942G	NT50 x MLD32 - 90	216.8	90	71.8	67	32	71	1" - 8	M24 x 3.0P	4.90

МАШСЕРВИС

Features:

- ▶ Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- ▶ Runout accuracy of MLD holder body: within 0.005mm.
- ▶ Runout accuracy with collet: within 0.02mm.
- ▶ The tolerance of the cutting tool must be less than h6.
- ▶ Internal bearing cage helps increase the clamping force.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity.
- ▶ Coolant options: through the center of holder or cutter. Use sealed caps and SR rings for coolant through cutter.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SET SCREW

Collet	Sealed Cap	SR Sealed Ring	Set Screw	Spanner	Spanner
P.W-38~39	P.W-58	P.W-59	P.W-88	P.W-71~72	P.W-73

EOC COLLET CHUCK

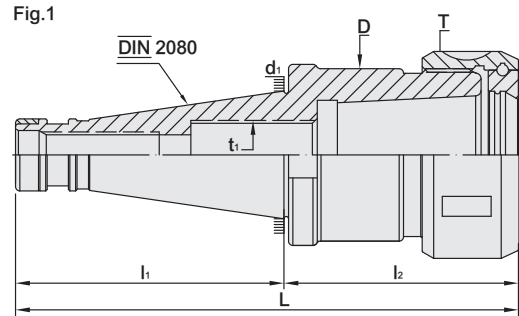


EOC 立銑刀夾頭

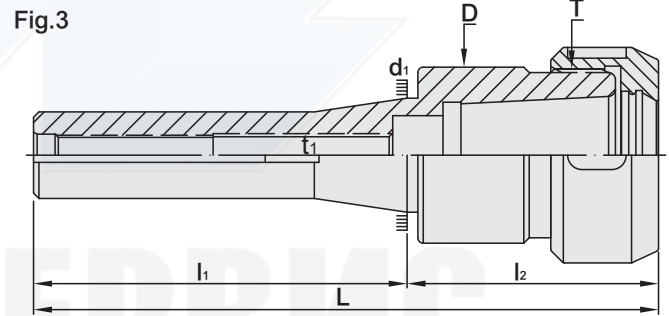
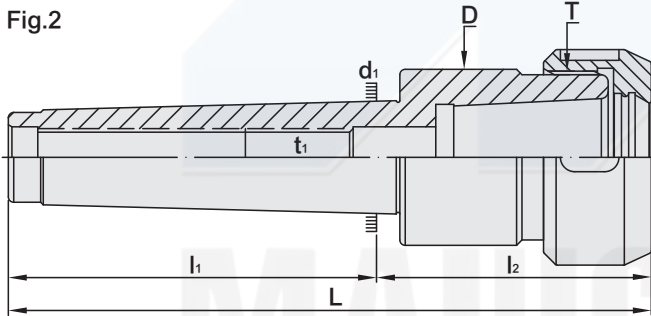
(DIN ISO 10897)



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	t ₁	T	Fig	WEIGHT (KGS)
83676	NT30 x EOC25	140	68.4	71.6	49	31.75	M12 x 1.75P	M48 x 2.0P	1	1.35
83677	NT40 x EOC25	160	93.4	66.6	63	44.45	M16 x 2.0P	M48 x 2.0P	1	1.65
83678	NT50 x EOC25	197	126.8	70.2	97.5	69.85	M24 x 2.0P	M48 x 2.0P	1	3.45
83685	NT40 x EOC32	175	93.4	81.6	63	44.45	M24 x 2.0P	M60 x 2.5P	1	2.25
83686	NT50 x EOC32	196.8	126.8	70	97.5	69.85	M24 x 2.0P	M60 x 2.5P	1	3.95



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	t ₁	T	Fig	WEIGHT (KGS)
83672	MTB2 x EOC25	139	64	75	49	17.78	M6 x 1.0P	M48 x 2.0P	2	1.30
83673	MTB3 x EOC25	156	81	75	49	23.825	M12 x 1.75P	M48 x 2.0P	2	1.40
83674	MTB4 x EOC25	179	102.5	76.5	49	31.267	M16 x 2.0P	M48 x 2.0P	2	1.55
83675	R8 x EOC25	174	104	70	49	31.75	M12 x 1.75P	M48 x 2.0P	3	1.55
83682	MTB4 x EOC32	187	102.5	84.5	63	31.267	M16 x 2.0P	M60 x 2.5P	2	2.25
83683	MTB5 x EOC32	213	128.5	78	63	44.399	M24 x 2.0P	M60 x 2.5P	2	2.45

Standard Accessory: • NUT • SPANNER

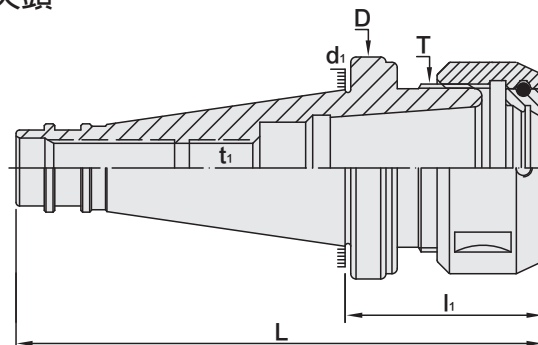
Collet	Nut	Tang	Preset Screw	Spanner
P.W-41	P.W-57	P.W-81	P.W-88	P.W-71~72



TG COLLET CHUCK



TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	D	d ₁	t ₁	T	SIZE RANGE	WEIGHT (KGS)
84024	MTB3 x TG75	136	55	40	23.825	M12 x 1.75P	TW 1-1/2" - 12	3 ~ 16	0.95
84025	MTB4 x TG75	159.5	57	40	31.267	M16 x 2.0P	TW 1-1/2" - 12	3 ~ 16	1.20
84026	R8 x TG75	154	70	40	31.75	M12 x 1.75P	TW 1-1/2" - 12	3 ~ 16	1.10
84027	NT30 x TG75	123.4	55	49	31.75	M12 x 1.75P	TW 1-1/2" - 12	3 ~ 16	0.90
84028	NT40 x TG75	162	68.6	63	44.45	M16 x 2.0P	TW 1-1/2" - 12	3 ~ 16	1.20
84033	MTB3 x TG100	161	80	49	23.825	M12 x 1.75P	TW 1-7/8" - 12	3 ~ 25	1.05
84034	MTB4 x TG100	182.5	80	49	31.267	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.30
84035	R8 x TG100	181	80	49	31.75	M12 x 1.75P	TW 1-7/8" - 12	3 ~ 25	1.20
84036	NT30 x TG100	148.4	80	49	31.75	M12 x 1.75P	TW 1-7/8" - 12	3 ~ 25	1.00
84037	NT40 x TG100	163.4	70	63	44.45	M16 x 2.0P	TW 1-7/8" - 12	3 ~ 25	1.30
84038	NT50 x TG100	206.8	80	97.5	69.85	M24 x 2.0P	TW 1-7/8" - 12	3 ~ 25	3.15
84043	MTB4 x TG150	197.5	95	67	31.267	M16 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.90
84045	MTB5 x TG150	223.5	95	67	44.399	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	3.50
84047	NT40 x TG150	191.8	98.36	63	44.45	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	2.90
84049	NT50 x TG150	206.8	80	97.5	69.85	M24 x 2.0P	TW 2-5/8" - 12	4 ~ 38	4.75

Features:

- ▶ The body thread treated with grinding.
- ▶ Including nut and spanner.
- ▶ MTB=Draw Bar Type=DIN 228-A.

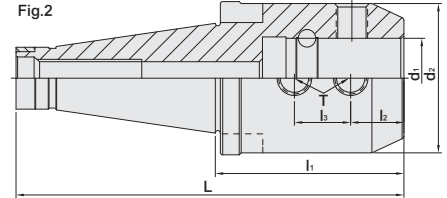
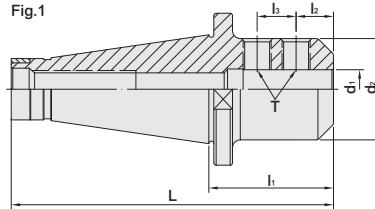
Standard Accessory: • NUT

Collet	Nut	Tang	Preset Screw	Spanner
P.W-42~44	P.W-57	P.W-81	P.W-88	P.W-71

NT / SLN SIDE LOCK END MILL HOLDER

NT / SLN 側固式立銑刀柄

(DIN 1835)
(DIN 6359)
(DIN 1835-C)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	Fig.	WEIGHT (KGS)
83230	NT30 x SLN6 - 40	108.4	40	18	-	6	25	M6 x 1.0P	1	0.50
83231	NT30 x SLN8 - 40	108.4	40	18	-	8	28	M8 x 1.25P	1	0.60
83232	NT30 x SLN10 - 40	108.4	40	20	-	10	35	M10 x 1.5P	1	0.60
83233	NT30 x SLN12 - 50	118.4	50	22.5	-	12	42	M12 x 1.75P	1	0.65
83234	NT30 x SLN16 - 50	118.4	50	24	-	16	48	M14 x 2.0P	1	0.75
83235	NT30 x SLN20 - 63	131.4	63	25	-	20	52	M16 x 2.0P	1	1.10
83236	NT30 x SLN25 - 80	148.4	80	24	25	25	63.5	M18 x 2.0P	1	1.20
83240	NT40 x SLN6 - 50	143.4	50	18	-	6	25	M6 x 1.0P	1	0.90
83241	NT40 x SLN8 - 50	143.4	50	18	-	8	28	M8 x 1.25P	1	0.95
83242	NT40 x SLN10 - 50	143.4	50	20	-	10	35	M10 x 1.5P	1	1.10
83243	NT40 x SLN12 - 50	143.4	50	22.5	-	12	42	M12 x 1.75P	1	1.00
83244	NT40 x SLN16 - 63	156.4	63	24	-	16	48	M14 x 2.0P	1	1.40
83245	NT40 x SLN20 - 63	156.4	63	25	-	20	52	M16 x 2.0P	1	1.45
83246	NT40 x SLN25 - 80	173.4	80	24	25	25	65	M18 x 2.0P	1	2.10
83247	NT40 x SLN32 - 80	173.4	80	24	28	32	72	M20 x 2.0P	1	2.50
83250	NT50 x SLN6 - 63	189.8	63	18	-	6	25	M6 x 1.0P	1	2.90
83251	NT50 x SLN8 - 63	189.8	63	18	-	8	28	M8 x 1.25P	1	3.00
83252	NT50 x SLN10 - 63	189.8	63	20	-	10	35	M10 x 1.5P	1	3.20
83253	NT50 x SLN12 - 63	189.8	63	22.5	-	12	42	M12 x 1.75P	1	3.30
83254	NT50 x SLN16 - 63	189.8	63	24	-	16	48	M14 x 2.0P	1	3.50
83255	NT50 x SLN20 - 63	189.8	63	25	-	20	52	M16 x 2.0P	1	3.60
83256	NT50 x SLN25 - 80	206.8	80	24	25	25	65	M18 x 2.0P	1	4.20
83257	NT50 x SLN32 - 80	206.8	80	24	28	32	72	M20 x 2.0P	1	4.40
83258	NT50 x SLN40 - 100	226.8	100	30	32	40	90	M20 x 2.0P	1	4.40
83261	NT50 x SLN40 - 120	246.8	120	30	32	40	90	M20 x 2.0P	1	4.20
83259	NT50 x SLN42 - 100	226.8	100	30	32	42	90	M20 x 2.0P	1	4.60
83263	NT50 x SLN50 - 120	246.8	120	35	35	50	95	M24 x 2.0P	1	4.80
83265	NT50 x SLN63 - 120	246.8	120	40	40	63	125	M20 x 2.0P	1	5.40
83267	NT50 x SLN50.8 - 120	246.8	120	33.1	28.58	50.8	95	M20 x 2.0P	1	5.00
83269	NT50 x SLN50.8 - 120	246.8	120	33.1	28.58	50.8	95	M20 x 2.0P	2	5.00

Features:

- Tolerance of internal hole: H5.

Lock Screw

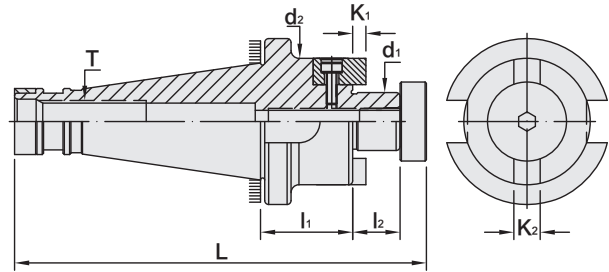


P.W-90



NT FACE MILL ARBOR

NT 平面銑刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	K ₁	K ₂	T	WEIGHT (KGS)	
82802	NT30 x FMA25.40	139.4	35	20	25.4	46	4.5	9.52	1/2" - 12	M12 x 1.75P	0.55
82803	NT30 x FMA31.75	141.4	35	22	31.75	60	5.7	12.7	1/2" - 12	M12 x 1.75P	0.75
82804	NT30 x FMA38.10	148.9	35	25	38.1	70	6.87	15.87	1/2" - 12	M12 x 1.75P	2.10
82807	NT40 x FMA25.40	164.4	35	20	25.4	63	4.5	9.52	5/8" - 11	M16 x 2.0P	1.45
82808	NT40 x FMA31.75	166.4	35	22	31.75	63	5.7	12.7	5/8" - 11	M16 x 2.0P	1.75
82809	NT40 x FMA38.10	173.4	35	25	38.1	70	6.87	15.87	5/8" - 11	M16 x 2.0P	2.00
82810	NT40 x FMA50.80	178.4	35	36	50.8	98	9.75	19.05	5/8" - 11	M16 x 2.0P	2.55
82811	NT40 x FMA47.62	149.4	24	32	47.62	128.75	12.5	25.4	5/8" - 11	M16 x 2.0P	2.90
82813	NT50 x FMA25.40	207.8	45	20	25.4	50	4.5	9.52	1" - 8	M24 x 3.0P	3.52
82814	NT50 x FMA31.75	200.8	45	22	31.75	60	5.7	12.7	1" - 8	M24 x 3.0P	3.40
82815	NT50 x FMA38.10	217.3	45	25	38.1	70	6.87	15.87	1" - 8	M24 x 3.0P	3.60
82816	NT50 x FMA50.80	221.8	45	36	50.8	90	9.75	19.05	1" - 8	M24 x 3.0P	6.00
82817	NT50 x FMA47.62	182.8	24	32	47.62	128.75	12.5	25.4	1" - 8	M24 x 3.0P	4.90
82827	NT30 x FMB22mm	136.4	35	19	22	42	4	10	1/2" - 12	M12 x 1.75P	0.67
82828	NT30 x FMB27mm	139.4	35	20	27	60	5	12	1/2" - 12	M12 x 1.75P	1.00
82829	NT30 x FMB32mm	141.4	35	22	32	65	6	14	1/2" - 12	M12 x 1.75P	1.20
82830	NT30 x FMB40mm	148.9	35	25	40	80	7	16	1/2" - 12	M12 x 1.75P	1.40
82831	NT40 x FMB22mm	161.4	35	19	22	48	4	10	5/8" - 11	M16 x 2.0P	1.25
82832	NT40 x FMB27mm	164.4	35	20	27	58	5	12	5/8" - 11	M16 x 2.0P	1.45
82833	NT40 x FMB32mm	166.4	35	22	32	65	6	14	5/8" - 11	M16 x 2.0P	1.70
82834	NT40 x FMB40mm	173.9	35	25	40	80	7	16	5/8" - 11	M16 x 2.0P	4.54
82835	NT50 x FMB22mm	204.8	45	19	22	48	4	10	1" - 8	M24 x 3.0P	3.50
82836	NT50 x FMB27mm	207.8	45	20	27	58	5	12	1" - 8	M24 x 3.0P	3.90
82837	NT50 x FMB32mm	209.8	45	22	32	65	6	14	1" - 8	M24 x 3.0P	4.00
82838	NT50 x FMB40mm	217.3	45	25	40	80	7	16	1" - 8	M24 x 3.0P	4.83

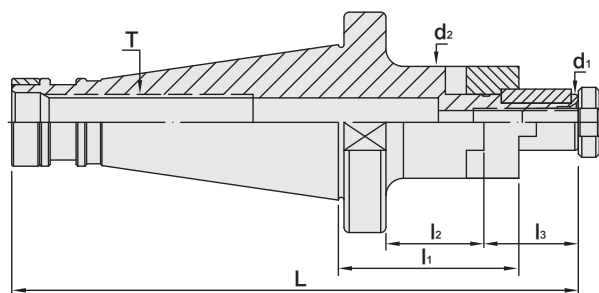
Features:

- ▶ d₁=the external dia. of face mill cutter.
- ▶ There's a plastic ring at the end of the shank to protect machine spindle.
- ▶ When making an order, please inform draw bar size.

NT COMBI SHELL END MILL ARBOR

NT 聯結式銑刀柄

(DIN 6358)






MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
83362	NT30 x CSR16 - 25	120	25	17	27	16	32	1/2" - 12 M12 x 1.75P	1.40
83364	NT30 x CSR22 - 25	122	25	19	31	22	40	1/2" - 12 M12 x 1.75P	1.60
83366	NT30 x CSR27 - 25	124	25	21	33	27	48	1/2" - 12 M12 x 1.75P	1.80
83372	NT40 x CSR16 - 40	162	40	17	27	16	32	5/8" - 11 M16 x 2.0P	2.20
83374	NT40 x CSR22 - 40	164	40	19	31	22	40	5/8" - 11 M16 x 2.0P	2.40
83376	NT40 x CSR27 - 40	166	40	21	33	27	48	5/8" - 11 M16 x 2.0P	2.60
83378	NT40 x CSR32 - 40	169	40	24	38	32	58	5/8" - 11 M16 x 2.0P	2.80
83380	NT40 x CSR40 - 40	172	40	27	41	40	70	5/8" - 11 M16 x 2.0P	3.00
83382	NT50 x CSR16 - 40	199	40	17	27	16	32	1" - 8 M24 x 3.0P	4.40
83384	NT50 x CSR22 - 40	201	40	19	31	22	40	1" - 8 M24 x 3.0P	4.60
83386	NT50 x CSR27 - 40	203	40	21	33	27	48	1" - 8 M24 x 3.0P	4.80
83388	NT50 x CSR32 - 40	206	40	24	38	32	58	1" - 8 M24 x 3.0P	5.00
83390	NT50 x CSR40 - 40	209	40	27	41	40	70	1" - 8 M24 x 3.0P	5.20
83392	NT50 x CSR50 - 40	212	40	30	46	50	90	1" - 8 M24 x 3.0P	5.40

МАШСЕРВИС

Features:

- ▶ Shank includes removable ring, nut and spanner.
- ▶ Can purchase removable ring, nut, and spanner separately.
- ▶ Please inform the draw bar size when making an order.

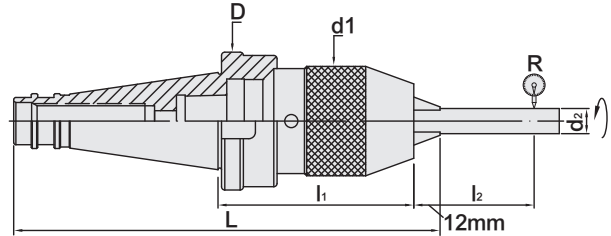
Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Key	Removable Ring	Nut	Spanner
			
P.W-67	P.W-67	P.W-67	P.W-67



SPU DRILL CHUCK

SPU 直結式鑽夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	R	WEIGHT (KGS)
82236	NT30 x SPU13 - 110	190.4	110	55	49	50	5	0.05	1.50
82237	NT40 x SPU13 - 90	195.4	90	55	63	50	10	0.05	1.90
82238	NT50 x SPU13 - 80	218.8	80	75	97.5	50	13	0.05	3.80
82245	NT30 x SPU 8 - 80	160.4	80	55	49	37	5	0.05	1.30
82246	NT40 x SPU8 - 80	185.4	80	55	63	37	5	0.05	1.48
82247	NT40 x SPU16 - 100	205.4	100	75	63	57	13	0.05	2.28
82248	NT50 x SPU16 - 100	238.8	100	75	97.5	57	13	0.05	4.20

Fig.1

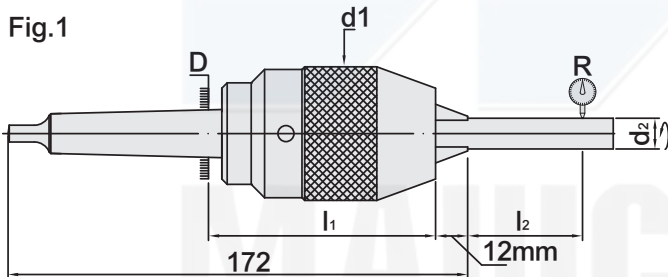
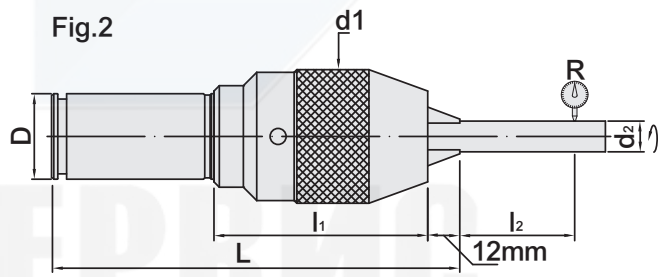


Fig.2

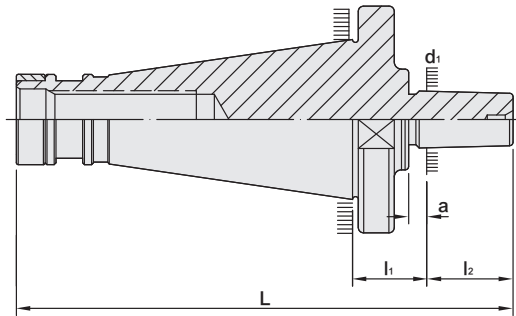


MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	R	Fig.	WEIGHT (KGS)
82233	MTA3 x SPU13 - 81	162	81	55	50	50	10	0.05	1	1.30
82234	MTA4 x SPU13 - 81	206	81	55	50	50	10	0.05	1	1.65
82229	C20 x SPU8 - 61	121	61	55	20	37	10	0.05	2	1.15
82230	C20 x SPU13 - 81	141	81	55	20	50	10	0.05	2	1.20
82231	C25 x SPU13 - 81	160	81	55	25	50	10	0.05	2	1.30
82232	C32 x SPU13 - 81	162	81	55	32	50	10	0.05	2	1.50
82239	R8 x SPU13 - 81	184	81	55	50	50	10	0.05	-	1.42

KEYLESS DRILL CHUCK	Tang	Spanner
P.W-83	P.W-81	P.W-72

NT DRILL CHUCK ARBOR

NT 夾頭心軸





MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	a	WEIGHT (KGS)
81512	NT30 x B16	113	20.6	24	15.733	5	0.35
81513	NT40 x B16	138	20.6	24	15.733	5	0.80
81514	NT50 x B16	176	26.2	24	15.733	5	2.85
81533	NT30 x JT3	118.95	19.6	30.95	20.599	5	0.45
81536	NT30 x JT6	112.4	18.6	25.4	17.17	4	0.40
81543	NT40 x JT3	144.95	20.6	30.95	20.599	5	0.95
81546	NT40 x JT6	139.4	20.6	25.4	17.17	4	0.85
81553	NT50 x JT3	182.95	26.2	30.95	20.599	5	3.00
81556	NT50 x JT6	176.4	24.2	25.4	17.17	4	2.90

МАШСЕРВИС

Features:

- ▶ Concentricity: 0.005mm.
- ▶ Roundness: 0.005mm.
- ▶ Please inform draw bar size when making an order.

KEYLESS DRILL CHUCK	Spanner
 P.W-83	 P.W-72

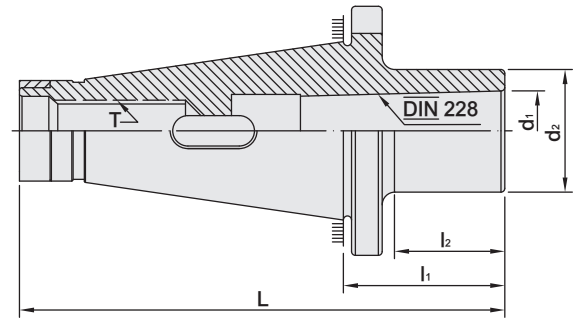


NT MORSE TAPER ADAPTER

TANG TYPE

NT 斜柄鑽頭套筒

(DIN 6383)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
82900	NT30 x MTA2	123.9	55.5	42	17.78	32	1/2" - 12 M12 x 1.75P	0.50
82901	NT30 x MTA3	144	75.6	63	23.825	36	1/2" - 12 M12 x 1.75P	0.55
82902	NT40 x MTA2	118.4	25	11	17.78	32	5/8" - 11 M16 x 2.0P	0.80
82903	NT40 x MTA3	142	48.6	35	23.825	40	5/8" - 11 M16 x 2.0P	0.85
82904	NT40 x MTA4	177	83.6	69	31.267	48	5/8" - 11 M16 x 2.0P	1.25
82905	NT40 x MTA5	263.4	170	156	44.399	63	5/8" - 11 M16 x 2.0P	1.45
82907	NT50 x MTA2	150	23.2	5.5	17.78	32	1" - 8 M24 x 3.0P	2.80
82908	NT50 x MTA3	160	33.2	13	23.825	40	1" - 8 M24 x 3.0P	2.90
82909	NT50 x MTA4	190	63.2	43	31.267	48	1" - 8 M24 x 3.0P	3.00
82910	NT50 x MTA5	213	86.2	66	44.399	63	1" - 8 M24 x 3.0P	3.10

МАШСЕРВИС

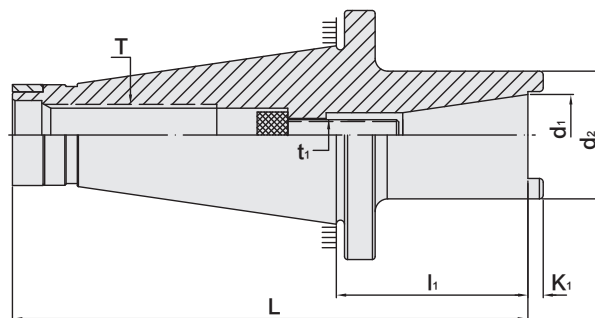
Features:

- ▶ Hardened & precision ground (I.D & O.D).
- ▶ Roundness: 0.005mm.
- ▶ MTA=TANG TYPE=DIN 228-B.
- ▶ MTB=DRAW BAR TYPE=DIN 228-A.
- ▶ Best selected top quality tools steel fully hardened and ground. Morse taper inside hole and outside shank.
- ▶ Please inform draw bar size when making an order.



NT ADAPTER

NT 套筒



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	K ₁	t ₁	T	WEIGHT (KGS)	
82852	NT40 x TSA30M - 75	174.4	75	31.75	50	6	M12 x 1.75P	5/8" - 11	M16 x 2.0P	1.80
82854	NT40 x TSA30U - 75	174.4	75	31.75	50	6	1/2" - 12	5/8" - 11	M16 x 2.0P	1.80
82856	NT50 x TSA30M - 75	201.8	75	31.75	50	6	M12 x 1.75P	1" - 8	M24 x 3.0P	5.00
82858	NT50 x TSA30U - 75	201.8	75	31.75	50	6	1/2" - 12	1" - 8	M24 x 3.0P	5.00
82860	NT50 x TSA40M - 75	201.8	75	44.45	85	8	M16 x 2.0P	1" - 8	M24 x 3.0P	4.60
82862	NT50 x TSA40U - 75	201.8	75	44.45	85	8	5/8" - 11	1" - 8	M24 x 3.0P	4.60

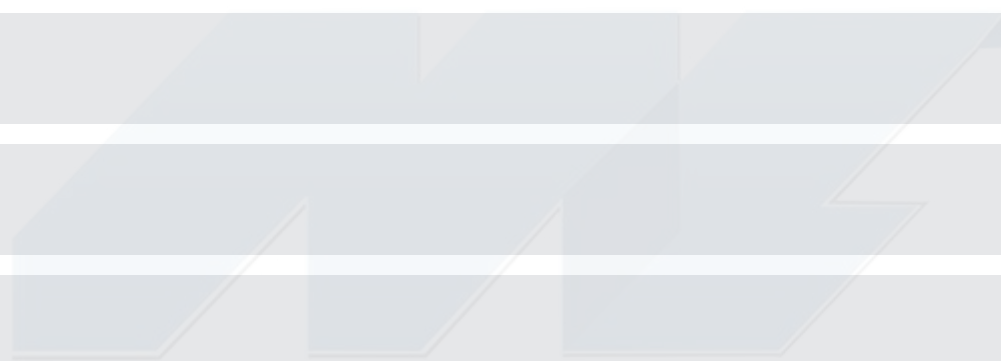
МАШСЕРВИС

Features:

- ▶ Please inform the draw bar size when making an order.



MEMO



МАШСЕРВИС



SHRINK FIT CATEGORY

SHRINK - FIT MACHINE	L- 2~4
BT / SFC SHRINK FIT CHUCK	L-6~10
BT / SFCT SHRINK FIT CHUCK	L-11~17
CAT / SFC SHRINK FIT CHUCK	L-18~21
DAT / SFC SHRINK FIT CHUCK	L-22~26
SBT / SFC SHRINK FIT CHUCK	L-27~31
SBT / SFCT SHRINK FIT CHUCK	L-32~33
SBT / SFC SHRINK FIT CHUCK [CUL TYPE]	L-34~35
SCAT / SFC SHRINK FIT CHUCK	L-36~39
SCAT / SFC SHRINK FIT CHUCK [CUL TYPE]	L-40~41
SDAT / SFC SHRINK FIT CHUCK	L-42~45
SDAT / SFC SHRINK FIT CHUCK [CUL TYPE]	L-46
HSK-A / SFC SHRINK FIT CHUCK	L-47~55
HSK-A / SFCT SHRINK FIT CHUCK	L-56~57
HSK-A / SFC SHRINK FIT CHUCK [CUL TYPE]	L-58~59
HSK-E / SFC SHRINK FIT CHUCK	L-60~65
HSK-E / SFCT SHRINK FIT CHUCK	L-66~69
HSK-E / SFC SHRINK FIT CHUCK [CUL TYPE]	L-70
HSK-F / SFC SHRINK FIT CHUCK	L-71~73
HSK-F / SFCT SHRINK FIT CHUCK	L-74
HSK-F / SFC SHRINK FIT CHUCK [CUL TYPE]	L-75
PSC / SFC SHRINK FIT CHUCK	L-76~78
PSC / SFC SHRINK FIT CHUCK [CUL TYPE]	L-79
ISO / SFC SHRINK FIT CHUCK	L-80~81
BT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-82~83
BT / SFCT SHRINK FIT CHUCK [COOLANT HOLE]	L-84~85
CAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-86~89
DAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-90~94
SBT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-95~99
SBT / SFCT SHRINK FIT CHUCK [COOLANT HOLE]	L-100~101
SCAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-102~105
SDAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-106~109
HSK-A / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-110~113
PSC / SFC SHRINK FIT CHUCK [COOLANT HOLE]	L-114~115
SLF SLIM-FIT SHRINK FIT COLLET CHUCK	L-116~117
SFC SHRINK FIT CHUCK	L-118~120
ER / SFE SHRINK FIT COLLET CHUCK	L-121~122
OPERATION INSTRUCTIONS OF SFC SHRINK FIT CHUCK	L-123

ShrinkSTATION HEATING MACHINE

ShrinkSTATION 加熱器



MODEL NO.	POWER	MAX. POWER	FUSE	SIZE (CM)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
00400	3 phase, 480V~208V, 60Hz	13000W	16A	43x34x55	Solid carbide	3 ~ 32mm	31.5

Features:

- ▶ Automatic 90 PSI air cooling.
- ▶ Used with carbide cutting tools from 3mm to 32mm (1/8" to 1-1/4").
- ▶ Change tools in 15~25 seconds (shank dia. 3~20mm).
- ▶ Easy-operation touch screen.
- ▶ Automatic tool holder lift and down.
- ▶ By changing adapters, workable for various shrink fit holders: #30 taper, #40 taper, #50 taper, HSK40, 50, 63, and PSC40, 50, and 63. HSK100 can be heated without using adapters.
- ▶ Applicable for extended tools up to 500mm gauge length by transport adapter.
- ▶ Box dimensions: 51cmx 47cmx 62cm.

Accessories Included with Machine

DESCRIPTION	QTY.
induction stop ring (3-5mm)	1
induction stop ring (6-12mm)	1
induction stop ring (14-20mm)	1
induction stop ring (25-32mm)	1
toolholder adapter - 30 taper	1
toolholder adapter - 40 taper	1
toolholder adapter - 50 taper	1
toolholder adapter - HSK40 & PSC40	1
toolholder adapter - HSK50 & PSC50	1
toolholder adapter - HSK63	1
toolholder adapter - PSC63	1
transport adapter for extended lengths	1
thermal insulated glove	1

SHRINK-FIT MACHINE

SFC 電磁誘導加熱器



台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M260356
T W PAT NO. M260982
T W PAT NO. M247320
T W PAT NO. M296769
T W PAT NO. M366438
T W PAT NO. M366439
J P PAT NO. 3110095
J P PAT NO. 3110096
J P PAT NO. 3154730
C N PAT NO. ZL200420074353.8
C N PAT NO. ZL200320116467X
D E PAT NO. Nr. 202009011234.9
U S PAT NO. US8292305 B2

MODEL NO.	TYPE	MAX. POWER	FUSE	SIZE (mm)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
00100 - A	220V 3phase	9000W	25A	650x410x820	Tungsten steel	φ 3 ~ φ 32	40
00101 - A	380V 3phase	10000W	16A	650x410x820	Tungsten steel	φ 3 ~ φ 32	40
00102 - A	415V 3phase	10000W	16A	650x410x820	Tungsten steel	φ 3 ~ φ 32	40
00103 - A	440V 3phase	10000W	16A	650x410x820	Tungsten steel	φ 3 ~ φ 32	40

МАШЦЕРВИС

Features:

- ▶ Heating time: 3~18 sec. (depends on the internal diameter and shape of tool holder)
- ▶ Automatic cooling: 3~5 min.
- ▶ Used for HSS or general throw-away cutting tools (more than φ 8mm)

Standard Accessories Included with Machine

MODEL NO.	SPINDLE TYPE	Fig
00151	BT 30	1
00152	BT 40	1
00153	BT 50	1
00157	HSK 40, PSC 40	1
00158	HSK 50, PSC 50	1
00159	HSK 63, PSC 63	1
00170	φ 84 x 101	2
MODEL NO.	DIMENSION	Fig
00165	φ 3 ~ φ 5	3
00166	φ 6 ~ φ 12	3
00167	φ 14 ~ φ 20	3
00168	φ 25 ~ φ 32	3

Optional

MODEL NO.	DIMENSION	Fig
00175	φ 3 ~ φ 12	4

Tool holder transfer stand



Fig.1

Height plus seat



Fig.2

Induction rings



Fig.3

Clamp for cutting tool

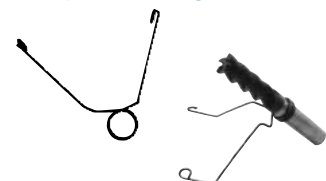


Fig.4



SHRINK-FIT MACHINE

SFC 電磁誘導加熱器

台灣精品 2008
TAIWAN EXCELLENCEPAT NO. 3110096
PAT NO. 3110095
PAT NO. M284472
PAT NO. M247320
ZL 200320116467X

MODEL NO.	TYPE	MAX. POWER	FUSE	SIZE (mm)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
00301 - A	220V x 60HZ 1phase	3000W	15A	300 x 300 x 685	Tungsten steel	$\phi 3 \sim \phi 20$	20

МАШИНЕРИЈА

Features:

- ▶ Used with carbide cutting tools from 3mm to 20mm (1/8"~3/4").
- ▶ Automatic air cooling. Preset cooling time is 3 minutes. For urgent use, press reset button to reheat and change tools while air cooling reaches 1 minute.
- ▶ By changing adapters, workable for various shrink fit holders: #30 taper, #40 taper, #50 taper, HSK40, 50, 63 and PSC40, 50, 63. HSK100 can be heated without using adapters.
- ▶ Before heating the shrink fit holders, please make sure the tool shank tolerance is h6.

Standard Accessories Included with Machine

MODEL NO.	SPINDLE TYPE	Fig
00151	# 30	1
00152	# 40	1
00153	# 50	1
00157	HSK 40, PSC 40	1
00158	HSK 50, PSC 50	1
00159	HSK 63, PSC 63	1
MODEL NO.	DIMENSION	Fig
00301 - 01.1	$\phi 3 \sim \phi 5$	2
00301 - 01.2	$\phi 6 \sim \phi 12$	2
00301 - 01.3	$\phi 14 \sim \phi 20$	2

Optional

MODEL NO.	DIMENSION	Fig
00175	$\phi 3 \sim \phi 12$	3

Tool holder transfer stand

Fig.1

Induction rings

Fig.2

Clamp for cutting tool

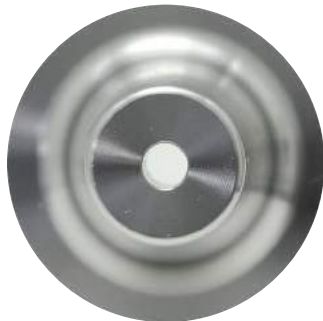
Fig.3

SHRINK FIT CHUCK SERIES



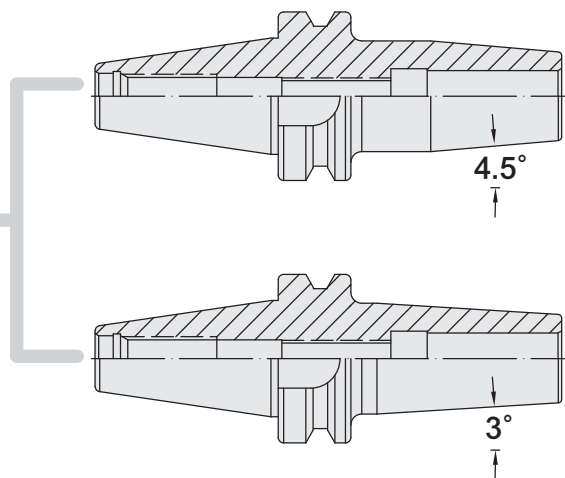
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Standard



[w/o coolant hole]

Page L-6~81

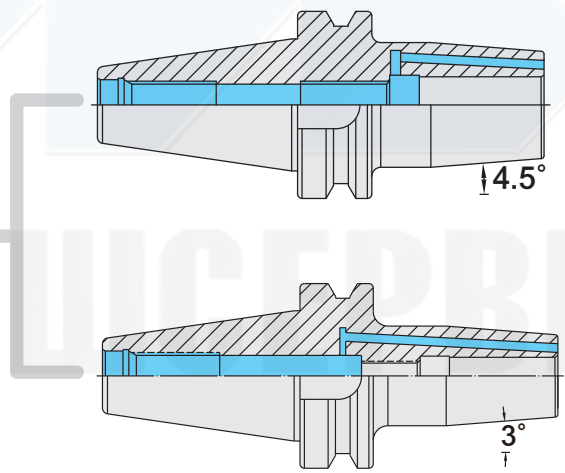


CP Type



[with coolant hole]

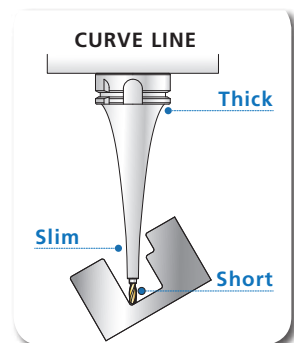
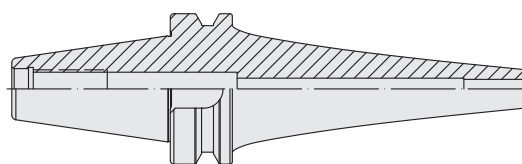
Page L-82~115



CUL Type



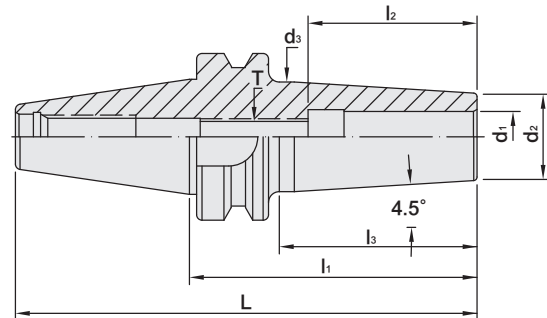
Page L-34,35,40,41,58,59,70,75,79



BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19302	BT30 x SFC3 - 60	108.4	60	18	33	3	10	15.2	M6	18	0.43
19303	BT30 x SFC3 - 80	128.4	80	18	48	3	10	17.6	M6	18	0.53
19304	BT30 x SFC4 - 60	108.4	60	20	33	4	10	15.2	M6	18	0.55
19305	BT30 x SFC4 - 80	128.4	80	20	53	4	10	17.6	M6	18	0.62
19306	BT30 x SFC5 - 60	108.4	60	20	33	5	10	15.2	M6	18	0.67
19307	BT30 x SFC5 - 80	128.4	80	20	53	5	10	17.6	M6	18	0.61
19308	BT30 x SFC6 - 60	108.4	60	36	33	6	23	28.2	M5	18	0.70
19309	BT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
19310	BT30 x SFC8 - 60	108.4	60	36	33	8	23	28.2	M6	35	0.52
19311	BT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
19312	BT30 x SFC10 - 60	108.4	60	42	35	10	27	29.4	M8	65	0.52
19313	BT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
19314	BT30 x SFC12 - 60	108.4	60	47	36	12	27	32.6	M10	110	0.52
19315	BT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
19316	BT30 x SFC14 - 65	113.4	65	47	41	14	30	36.4	M10	150	0.57
19317	BT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
19318	BT30 x SFC16 - 65	113.4	65	50	41	16	30	36.4	M12	200	0.55
19319	BT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
19320	BT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
19321	BT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
19322	BT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
19323	BT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

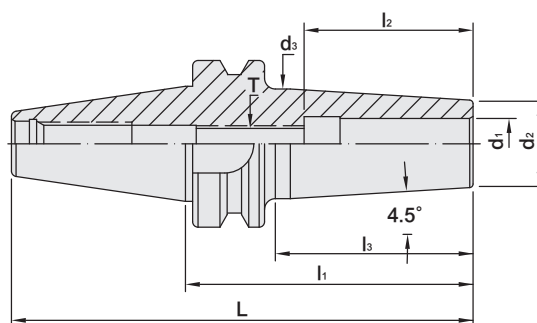
BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19332	BT40 x SFC3 - 90	155.4	90	18	53.6	3	10	18.4	M6	18	1.07
19334	BT40 x SFC4 - 90	155.4	90	20	53.6	4	10	18.4	M6	18	1.07
19336	BT40 x SFC5 - 90	155.4	90	20	53.6	5	10	18.4	M6	18	1.07
19338	BT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
19339	BT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
19339 - 160	BT40 x SFC6 - 160	225.4	160	36	123	6	21	27	M5	18	1.54
19339 - 200	BT40 x SFC6 - 200	265.4	200	36	163	6	21	27	M5	18	1.72
19340	BT40 x SFC8 - 90	155.4	90	36	53	8	21	27	M6	35	1.23
19341	BT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
19341 - 160	BT40 x SFC8 - 160	225.4	160	36	123	8	21	27	M6	35	1.54
19341 - 200	BT40 x SFC8 - 200	265.4	200	36	163	8	21	27	M6	35	1.72
19342	BT40 x SFC10 - 90	155.4	90	42	58	10	24	32	M8	65	1.48
19343	BT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
19343 - 160	BT40 x SFC10 - 160	225.4	160	42	123	10	24	32	M8	65	1.79
19343 - 200	BT40 x SFC10 - 200	265.4	200	42	163	10	24	32	M8	65	1.97
19344	BT40 x SFC12 - 90	155.4	90	47	58	12	24	32	M10	110	1.68
19345	BT40 x SFC12 - 130	195.4	130	47	93	12	24	32	M10	110	1.86
19345 - 160	BT40 x SFC12 - 160	225.4	160	47	123	12	24	32	M10	110	1.99
19345 - 200	BT40 x SFC12 - 200	265.4	200	47	163	12	24	32	M10	110	2.17
19346	BT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
19347	BT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
19347 - 160	BT40 x SFC14 - 160	225.4	160	47	123	14	27	34	M10	150	2.07
19347 - 200	BT40 x SFC14 - 200	265.4	200	47	163	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

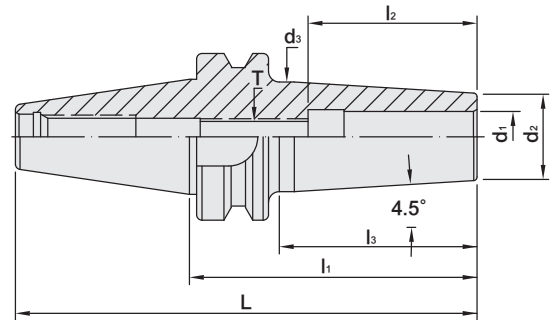
P.W-88



BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.2
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19348	BT40 x SFC16 - 90	155.4	90	50	58	16	27	34	M12	200	1.57
19349	BT40 x SFC16 - 130	195.4	130	50	93	16	27	34	M12	200	1.75
19349 - 160	BT40 x SFC16 - 160	225.4	160	50	123	16	27	34	M12	200	1.91
19349 - 200	BT40 x SFC16 - 200	265.4	200	50	163	16	27	34	M12	200	2.06
19350	BT40 x SFC18 - 90	155.4	90	50	58	18	33	42	M12	250	2.12
19351	BT40 x SFC18 - 130	195.4	130	50	98	18	33	42	M12	250	2.31
19351 - 160	BT40 x SFC18 - 160	225.4	160	50	128	18	33	42	M12	250	2.46
19351 - 200	BT40 x SFC18 - 200	265.4	200	50	168	18	33	42	M12	250	2.61
19352	BT40 x SFC20 - 90	155.4	90	52	58	20	33	42	M16	320	2.09
19353	BT40 x SFC20 - 130	195.4	130	52	98	20	33	42	M16	320	2.28
19353 - 160	BT40 x SFC20 - 160	225.4	160	52	128	20	33	42	M16	320	2.43
19353 - 200	BT40 x SFC20 - 200	265.4	200	52	168	20	33	42	M16	320	2.57
19354	BT40 x SFC25 - 100	165.4	100	58	71	25	44	53	M20	500	1.83
19355	BT40 x SFC25 - 130	195.4	130	58	101	25	44	53	M20	500	2.34
19355 - 160	BT40 x SFC25 - 160	225.4	160	58	131	25	44	53	M20	500	2.85
19355 - 200	BT40 x SFC25 - 200	265.4	200	58	171	25	44	53	M20	500	3.53
19356	BT40 x SFC32 - 100	165.4	100	58	71	32	44	53	M20	550	1.69
19357	BT40 x SFC32 - 130	195.4	130	58	101	32	44	53	M20	550	2.21
19357 - 160	BT40 x SFC32 - 160	225.4	160	58	131	32	44	53	M20	550	2.71
19357 - 200	BT40 x SFC32 - 200	265.4	200	58	171	32	44	53	M20	550	3.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

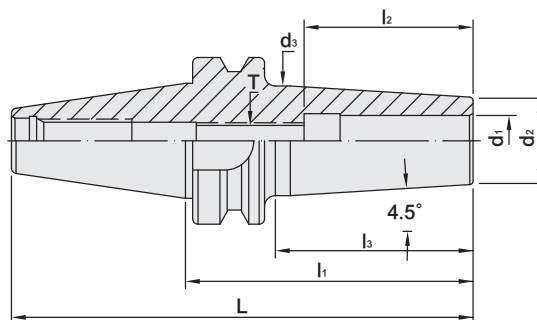
BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19361	BT50 x SFC4 - 100	201.8	100	20	52	4	10	18.4	M6	18	3.52
19361 - 130	BT50 x SFC4 - 130	231.8	130	20	82	4	10	18.4	-	18	3.57
19361 - 160	BT50 x SFC4 - 160	261.8	160	20	112	4	10	18.4	-	18	3.62
19361 - 200	BT50 x SFC4 - 200	301.8	200	20	152	4	10	18.4	-	18	3.69
19362	BT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
19363	BT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
19363 - 160	BT50 x SFC6 - 160	261.8	160	36	112	6	21	27	M5	18	4.07
19363 - 200	BT50 x SFC6 - 200	301.8	200	36	152	6	21	27	M5	18	4.24
19364	BT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
19365	BT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
19365 - 160	BT50 x SFC8 - 160	261.8	160	36	112	8	21	27	M6	35	4.06
19365 - 200	BT50 x SFC8 - 200	301.8	200	36	152	8	21	27	M6	35	4.23
19366	BT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
19367	BT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
19367 - 160	BT50 x SFC10 - 160	261.8	160	42	112	10	24	32	M8	65	4.18
19367 - 200	BT50 x SFC10 - 200	301.8	200	42	152	10	24	32	M8	65	4.35
19368	BT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
19369	BT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
19369 - 160	BT50 x SFC12 - 160	261.8	160	47	112	12	24	32	M10	110	4.17
19369 - 200	BT50 x SFC12 - 200	301.8	200	47	152	12	24	32	M10	110	4.34
19370	BT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
19371	BT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
19371 - 160	BT50 x SFC14 - 160	261.8	160	47	112	14	27	34	M10	150	4.24
19371 - 200	BT50 x SFC14 - 200	301.8	200	47	152	14	27	34	M10	150	4.41

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

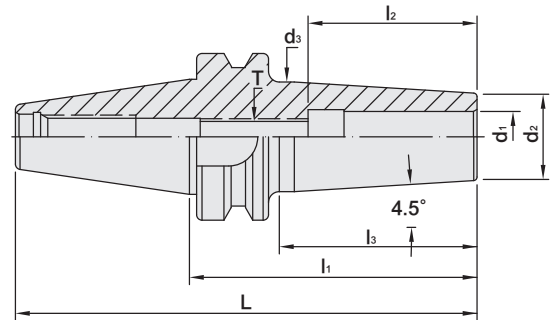
P.W-88



BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.2
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19372	BT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
19373	BT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
19373 - 160	BT50 x SFC16 - 160	261.8	160	50	112	16	27	34	M12	200	4.26
19373 - 200	BT50 x SFC16 - 200	301.8	200	50	152	16	27	34	M12	200	4.43
19374	BT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
19375	BT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
19375 - 160	BT50 x SFC18 - 160	261.8	160	50	112	18	33	42	M12	250	4.51
19375 - 200	BT50 x SFC18 - 200	301.8	200	50	152	18	33	42	M12	250	4.68
19376	BT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
19377	BT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
19377 - 160	BT50 x SFC20 - 160	261.8	160	52	112	20	33	42	M16	320	4.53
19377 - 200	BT50 x SFC20 - 200	301.8	200	52	152	20	33	42	M16	320	4.70
19378	BT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
19379	BT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
19379 - 160	BT50 x SFC25 - 160	261.8	160	58	112	25	44	53	M20	500	4.99
19379 - 200	BT50 x SFC25 - 200	301.8	200	58	152	25	44	53	M20	500	5.16
19380	BT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
19381	BT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
19381 - 160	BT50 x SFC32 - 160	261.8	160	58	112	32	44	53	M20	550	4.84
19381 - 200	BT50 x SFC32 - 200	301.8	200	58	152	32	44	53	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

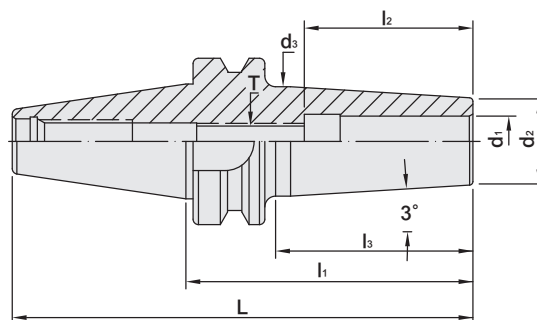
BT / SFCT SHRINK FIT CHUCK

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19102T	BT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
19104T	BT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
19106T	BT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
19108T	BT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
19110T	BT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
19112T	BT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
19114T	BT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
19116T	BT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
19118T	BT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
19120T	BT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
19122T	BT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
19130T	BT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.98
19132T	BT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
19134T	BT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
19136T	BT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
19138T	BT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
19140T	BT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
19142T	BT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
19144T	BT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
19146T	BT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
19148T	BT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
19188T	BT40 x SFCT19 - 90	155.4	90	60	58	19	33	38	M16	250	1.40
19150T	BT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
19186T	BT40 x SFCT24 - 90	155.4	90	72	61	24	44	49	M20	500	1.36
19152T	BT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
19154T	BT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

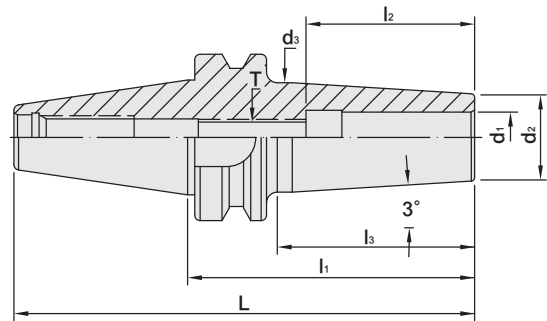
P.W-88



BT / SFCT SHRINK FIT CHUCK

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19162T	BT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
19164T	BT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
19166T	BT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
19168T	BT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
19170T	BT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
19172T	BT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
19174T	BT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
19176T	BT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
19178T	BT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
19180T	BT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
19182T	BT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
19184T	BT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
	
P.W-60~61	P.W-88

BT / SFCT SHRINK FIT CHUCK

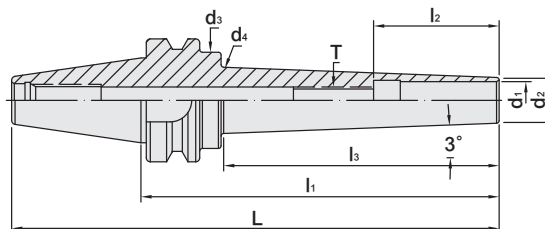
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
19102T - 135	BT30 x SFCT4 - 135	183.4	135	20	102	4	10	26	20.6	-	18	0.54
19104T - 135	BT30 x SFCT5 - 135	183.4	135	20	102	5	11	26	21.6	-	18	0.56
19106T - 135	BT30 x SFCT6 - 135	183.4	135	36	101	6	12	26	22.6	M5	18	0.58
19108T - 135	BT30 x SFCT8 - 135	183.4	135	36	103	8	14	26	24.7	M6	35	0.62
19110T - 135	BT30 x SFCT10 - 135	183.4	135	42	108	10	16	26	-	M8	65	0.65
19112T - 135	BT30 x SFCT12 - 135	183.4	135	47	108	12	18	26	-	M10	110	0.68
19114T - 135	BT30 x SFCT14 - 135	183.4	135	47	102	14	20	36	30.6	M10	150	0.77
19116T - 135	BT30 x SFCT16 - 135	183.4	135	50	101	16	22	36	32.6	M12	200	0.81
19118T - 135	BT30 x SFCT18 - 135	183.4	135	50	102	18	24	36	34.7	M12	250	0.86
19120T - 135	BT30 x SFCT20 - 135	183.4	135	52	111	20	26	36	-	M16	320	0.89
19122T - 160	BT30 x SFCT25 - 160	208.4	160	58	136	25	31	36	-	M20	500	1.10

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

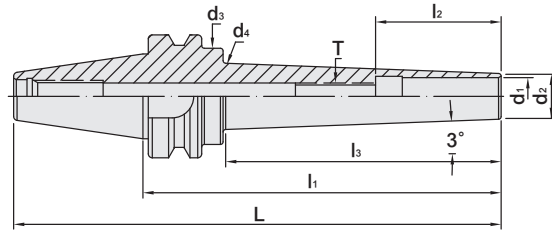


BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
19132T - 135	BT40 x SFCT4 - 135	200.4	135	20	97	4	10	26	20	-	18	1.10
19134T - 135	BT40 x SFCT5 - 135	200.4	135	20	97	5	11	26	21	-	18	1.12
19135T	BT40 x SFCT5 - 165	230.4	165	20	127	5	11	26	24	-	18	1.20
19135T - 200	BT40 x SFCT5 - 200	265.4	200	20	168	5	11	26	-	-	18	1.33
19136T - 135	BT40 x SFCT6 - 135	200.4	135	36	96	6	12	26	22	M5	18	1.12
19137T	BT40 x SFCT6 - 165	230.4	165	36	127	6	12	26	22	M5	18	1.22
19137T - 200	BT40 x SFCT6 - 200	265.4	200	36	168	6	12	26	-	M5	18	1.33
19138T - 135	BT40 x SFCT8 - 135	200.4	135	36	97	8	14	36	24	M6	35	1.20
19139T	BT40 x SFCT8 - 165	230.4	165	36	127	8	14	36	27	M6	35	1.30
19139T - 200	BT40 x SFCT8 - 200	265.4	200	36	162	8	14	36	30	M6	35	1.47
19140T - 135	BT40 x SFCT10 - 135	200.4	135	42	97	10	16	36	26	M8	65	1.22
19141T	BT40 x SFCT10 - 165	230.4	165	42	127	10	16	36	26	M8	65	1.32
19141T - 200	BT40 x SFCT10 - 200	265.4	200	42	161	10	16	36	32	M8	65	1.49
19142T - 135	BT40 x SFCT12 - 135	200.4	135	47	97	12	18	36	28	M10	110	1.26
19143T	BT40 x SFCT12 - 165	230.4	165	47	125	12	18	36	31	M10	110	1.39
19143T - 200	BT40 x SFCT12 - 200	265.4	200	47	162	12	18	36	35	M10	110	1.58

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

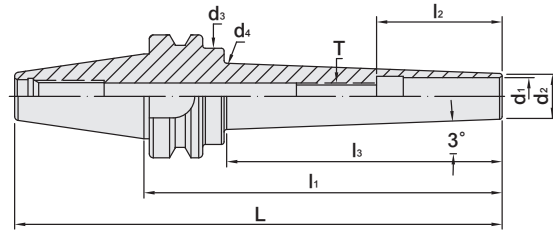
P.W-88

BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
19144T - 135	BT40 x SFCT14 - 135	200.4	135	47	97	14	20	36	30	M10	150	1.30
19145T	BT40 x SFCT14 - 165	230.4	165	47	126	14	20	36	33	M10	150	1.45
19145T - 200	BT40 x SFCT14 - 200	265.4	200	47	168	14	20	36	-	M10	150	1.67
19146T - 135	BT40 x SFCT16 - 135	200.4	135	50	96	16	22	36	32	M12	200	1.34
19147T	BT40 x SFCT16 - 165	230.4	165	50	127	16	22	36	35	M12	200	1.51
19147T - 200	BT40 x SFCT16 - 200	265.4	200	50	168	16	22	36	-	M12	200	1.75
19148T - 135	BT40 x SFCT18 - 135	200.4	135	52	97	18	24	36	34	M12	250	1.38
19149T	BT40 x SFCT18 - 165	230.4	165	52	133	18	24	36	-	M12	250	1.76
19149T - 200	BT40 x SFCT18 - 200	265.4	200	52	168	18	24	36	-	M12	250	1.82
19150T - 135	BT40 x SFCT20 - 135	200.4	135	52	103	20	26	36	-	M16	320	1.41
19151T	BT40 x SFCT20 - 165	230.4	165	52	133	20	26	36	-	M16	320	1.62
19151T - 200	BT40 x SFCT20 - 200	265.4	200	52	168	20	26	36	-	M16	320	1.85
19152T - 135	BT40 x SFCT25 - 135	200.4	135	58	97	25	31	49	41	M20	500	1.56
19153T	BT40 x SFCT25 - 165	230.4	165	58	127	25	31	49	44	M20	500	1.86
19153T - 200	BT40 x SFCT25 - 200	265.4	200	58	162	25	31	49	48	M20	500	2.28
19154T - 135	BT40 x SFCT32 - 135	200.4	135	58	97	32	38	49	48	M20	550	1.75
19155T	BT40 x SFCT32 - 165	230.4	165	58	136	32	38	49	-	M20	550	2.15
19155T - 200	BT40 x SFCT32 - 200	265.4	200	58	171	32	38	49	-	M20	550	2.63

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
	
P.W-60~61	P.W-88

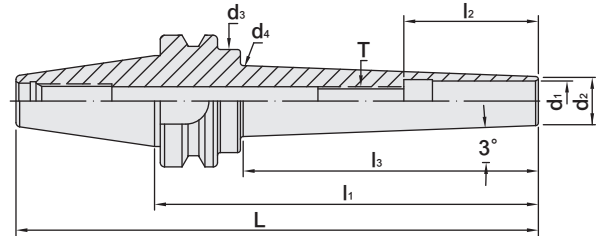


BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
19162T - 135	BT50 x SFCT4 - 135	236.8	135	20	86	4	10	26	19	-	18	3.56
19164T - 135	BT50 x SFCT5 - 135	236.8	135	20	86	5	11	26	20	-	18	3.56
19165T	BT50 x SFCT5 - 165	266.8	165	20	115	5	11	26	23	-	18	3.73
19165T - 200	BT50 x SFCT5 - 200	301.8	200	20	157	5	11	26	-	-	18	3.86
19166T - 135	BT50 x SFCT6 - 135	236.8	135	36	86	6	12	26	21	M5	18	3.62
19167T	BT50 x SFCT6 - 165	266.8	165	36	116	6	12	26	24	M5	18	3.76
19167T - 200	BT50 x SFCT6 - 200	301.8	200	36	157	6	12	26	-	M5	18	3.89
19168T - 135	BT50 x SFCT8 - 135	236.8	135	36	86	8	14	36	23	M6	35	3.74
19169T	BT50 x SFCT8 - 165	266.8	165	36	116	8	14	36	26	M6	35	3.85
19169T - 200	BT50 x SFCT8 - 200	301.8	200	36	151	8	14	36	29	M6	35	4.02
19170T - 135	BT50 x SFCT10 - 135	236.8	135	42	86	10	16	36	25	M8	65	3.68
19171T	BT50 x SFCT10 - 165	266.8	165	42	116	10	16	36	28	M8	65	3.86
19171T - 200	BT50 x SFCT10 - 200	301.8	200	42	151	10	16	36	31	M8	65	4.02
19172T - 135	BT50 x SFCT12 - 135	236.8	135	47	86	12	18	36	27	M10	110	3.77
19173T	BT50 x SFCT12 - 165	266.8	165	47	116	12	18	36	30	M10	110	3.89
19173T - 200	BT50 x SFCT12 - 200	301.8	200	47	150	12	18	36	33	M10	110	4.07

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

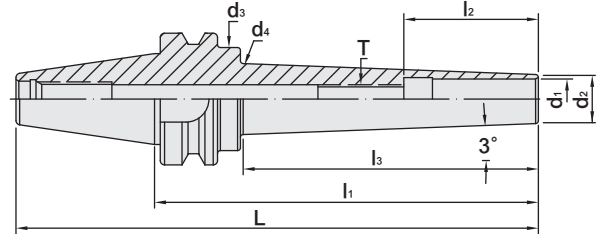
P.W-88

BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
19174T - 135	BT50 x SFCT14 - 135	236.8	135	47	86	14	20	36	29	M10	150	3.81
19175T	BT50 x SFCT14 - 165	266.8	165	47	116	14	20	36	32	M10	150	3.86
19175T - 200	BT50 x SFCT14 - 200	301.8	200	47	157	14	20	36	-	M10	150	4.16
19176T - 135	BT50 x SFCT16 - 135	236.8	135	50	86	16	22	36	31	M12	200	3.82
19177T	BT50 x SFCT16 - 165	266.8	165	50	116	16	22	36	34	M12	200	3.97
19177T - 200	BT50 x SFCT16 - 200	301.8	200	50	157	16	22	36	-	M12	200	4.19
19178T - 135	BT50 x SFCT18 - 135	236.8	135	50	85	18	24	36	32	M12	250	3.88
19179T	BT50 x SFCT18 - 165	266.8	165	50	122	18	24	36	-	M12	250	4.06
19179T - 200	BT50 x SFCT18 - 200	301.8	200	50	157	18	24	36	-	M12	250	4.30
19180T - 135	BT50 x SFCT20 - 135	236.8	135	52	86	20	26	36	35	M16	320	3.86
19181T	BT50 x SFCT20 - 165	266.8	165	52	117	20	26	36	-	M16	320	4.03
19181T - 200	BT50 x SFCT20 - 200	301.8	200	52	152	20	26	36	-	M16	320	4.22
19182T - 135	BT50 x SFCT25 - 135	236.8	135	58	86	25	31	49	40	M20	500	4.03
19183T	BT50 x SFCT25 - 165	266.8	165	58	116	25	31	49	43	M20	500	4.30
19183T - 200	BT50 x SFCT25 - 200	301.8	200	58	150	25	31	49	46	M20	500	4.67
19184T - 135	BT50 x SFCT32 - 135	236.8	135	58	86	32	38	49	47	M20	550	4.18
19185T	BT50 x SFCT32 - 165	266.8	165	58	122	32	38	49	-	M20	550	4.56
19185T - 200	BT50 x SFCT32 - 200	301.8	200	58	157	32	38	49	-	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

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- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
	
P.W-60~61	P.W-88



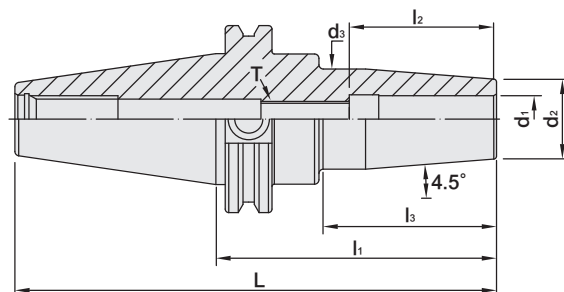
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29002	CAT40 x SFC 1/8" - 3.5"	6.187	3.5	0.79	1.75	0.125	0.36	0.63	M6	18	1.03
29004	CAT40 x SFC 1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	18	1.11
29006	CAT40 x SFC 3/16" - 3.5"	6.187	3.5	0.79	1.75	0.1875	0.43	0.7	M6	18	1.04
29008	CAT40 x SFC 3/16" - 5"	7.687	5	0.79	3.22	0.1875	0.43	0.71	-	18	1.10
29010	CAT40 x SFC 1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
29011	CAT40 x SFC 1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
29013	CAT40 x SFC 1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
29014	CAT40 x SFC 1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
29016	CAT40 x SFC 5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
29018	CAT40 x SFC 5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
29020	CAT40 x SFC 3/8" - 3"	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
29021	CAT40 x SFC 3/8" - 3.75"	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
29023	CAT40 x SFC 3/8" - 5"	7.687	5	1.65	3.27	0.375	0.94	1.37	M8	65	1.46
29024	CAT40 x SFC 3/8" - 6"	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
29026	CAT40 x SFC 1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
29027	CAT40 x SFC 1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
29029	CAT40 x SFC 1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
29030	CAT40 x SFC 1/2" - 6"	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
29032	CAT40 x SFC 5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
29034	CAT40 x SFC 3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
29036	CAT40 x SFC 3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
29037	CAT40 x SFC 3/4" - 5"	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
29038	CAT40 x SFC 3/4" - 6"	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
29040	CAT40 x SFC 1" - 3"	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
29042	CAT40 x SFC 1" - 4"	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
29044	CAT40 x SFC 1" - 6"	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
29046	CAT40 x SFC 1-1/4" - 4"	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	500	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88

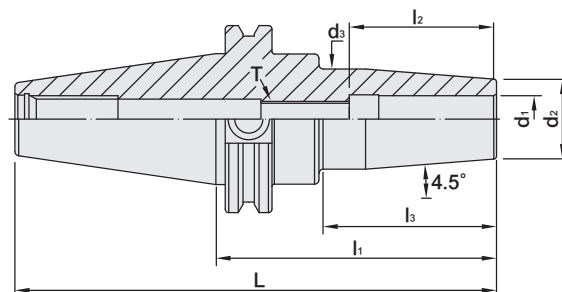
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29052	CAT50 x SFC3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
29054	CAT50 x SFC1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
29056	CAT50 x SFC5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
29058	CAT50 x SFC3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
29060	CAT50 x SFC1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
29062	CAT50 x SFC5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
29064	CAT50 x SFC3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
29066	CAT50 x SFC3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
29068	CAT50 x SFC1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
29070	CAT50 x SFC1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
29072	CAT50 x SFC1-1/4" - 4.13"	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
29074	CAT50 x SFC1-1/4" - 4.72"	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
29076	CAT50 x SFC1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

МАШСЕРВИС

Features:

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
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Pull Stud

Preset Screw



P.W-62

P.W-88

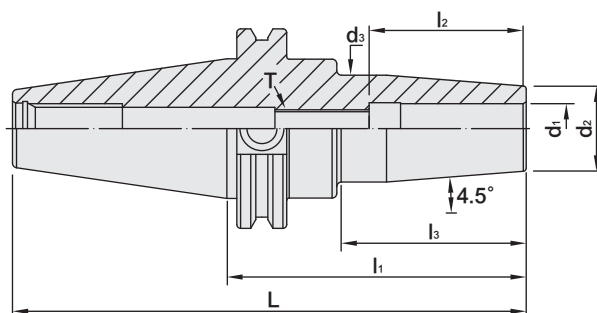


CAT / SFC SHRINK FIT CHUCK

4.5°



CAT / SFC 熱膨脹刀桿



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 J P PAT NO. 3134091
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 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29202	CAT40 x SFC3 - 100	168.249	100	18	55	3	9	17.7	M8	18	1.04
29204	CAT40 x SFC4 - 100	168.249	100	20	55	4	10	18.7	M8	18	1.06
29206	CAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M8	18	1.12
29208	CAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	18	1.23
29210	CAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	18	1.39
29212	CAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	35	1.22
29214	CAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	35	1.39
29216	CAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	65	1.28
29218	CAT40 x SFC10 - 150	218.249	150	42	106	10	24	32	M8	65	1.53
29220	CAT40 x SFC12 - 100	168.249	100	47	59	12	24	33.3	M10	110	1.27
29222	CAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	110	1.52
29224	CAT40 x SFC14 - 95.3	163.549	95.3	47	59	14	27	34	M10	150	1.27
29226	CAT40 x SFC14 - 100	168.249	100	47	59	14	27	34	M10	150	1.31
29228	CAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	150	1.62
29230	CAT40 x SFC16 - 95.3	163.549	95.3	50	54	16	27	34	M12	200	1.25
29232	CAT40 x SFC16 - 100	168.249	100	50	59	16	27	34	M12	200	1.28
29234	CAT40 x SFC16 - 160	228.249	160	50	119	16	27	34	M12	200	1.64
29236	CAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	250	1.43
29238	CAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud**Preset Screw**

P.W-62

P.W-88

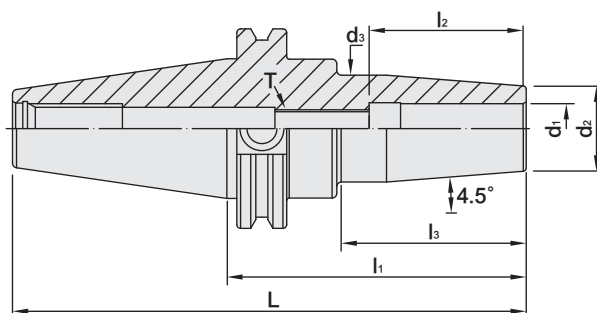
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29252	CAT50 x SFC6 - 100	201.6	100	36	62	6	21	27	M5	18	3.21
29254	CAT50 x SFC6 - 150	251.6	150	36	101	6	21	27	M5	18	3.42
29256	CAT50 x SFC8 - 100	201.6	100	36	60	8	21	27	M6	35	3.21
29258	CAT50 x SFC8 - 150	251.6	150	36	101	8	21	27	M6	35	3.41
29260	CAT50 x SFC10 - 100	201.6	100	42	60	10	24	32	M8	65	3.27
29262	CAT50 x SFC10 - 150	251.6	150	42	91	10	24	32	M8	65	3.74
29264	CAT50 x SFC12 - 100	201.6	100	47	62	12	24	32	M10	110	3.26
29266	CAT50 x SFC12 - 150	251.6	150	47	91	12	24	32	M10	110	3.71
29268	CAT50 x SFC14 - 100	201.6	100	47	62	14	27	34	M10	150	3.31
29270	CAT50 x SFC14 - 150	251.6	150	47	92	14	27	34	M10	150	3.79
29272	CAT50 x SFC16 - 100	201.6	100	50	62	16	27	34	M12	200	3.29
29274	CAT50 x SFC16 - 160	261.6	160	50	102	16	27	34	M12	200	3.83
29276	CAT50 x SFC18 - 100	201.6	100	50	62	18	33	42	M12	250	3.45
29278	CAT50 x SFC20 - 80	181.6	80	52	35	20	33	42	M16	320	3.26
29280	CAT50 x SFC25 - 100	201.6	100	58	62	25	44	53	M20	500	3.69
29282	CAT50 x SFC32 - 100	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

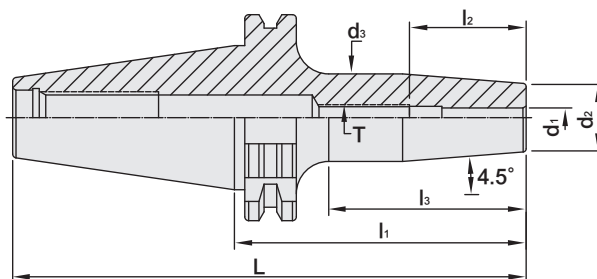
P.W-88



DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49100 - 60	DAT30 x SFC3 - 60	107.8	60	18	36.2	3	10	15.6	M6	18	0.41
49100	DAT30 x SFC3 - 80	127.8	80	18	51	3	10	17.1	M6	18	0.43
49102 - 60	DAT30 x SFC4 - 60	107.8	60	20	36.2	4	10	15.6	M6	18	0.41
49102	DAT30 x SFC4 - 80	127.8	80	20	51	4	10	18.1	M6	18	0.44
49104	DAT30 x SFC5 - 80	127.8	80	20	55	5	10	22	M6	18	0.49
49106 - 60	DAT30 x SFC6 - 60	1107.8	60	36	38.1	6	23	29	M5	18	0.53
49106	DAT30 x SFC6 - 80	127.8	80	36	55	6	21	27	M5	18	0.58
49108 - 60	DAT30 x SFC8 - 60	107.8	60	36	38.1	8	23	29	M6	35	0.52
49108	DAT30 x SFC8 - 80	127.8	80	36	55	8	21	27	M6	35	0.58
49110 - 60	DAT30 x SFC10 - 60	107.8	60	42	38.1	10	27	29	M8	65	0.56
49110	DAT30 x SFC10 - 80	127.8	80	42	55	10	24	32	M8	65	0.64
49112 - 60	DAT30 x SFC12 - 60	107.8	60	47	38.1	12	27	33	M10	110	0.56
49112	DAT30 x SFC12 - 80	127.8	80	47	55	12	24	32	M10	110	0.62
49116 - 65	DAT30 x SFC16 - 65	112.8	65	50	44.9	16	30	37	M12	200	0.64
49116	DAT30 x SFC16 - 80	127.8	80	50	55	16	27	34	M12	200	0.64
49120 - 70	DAT30 x SFC20 - 70	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud

Preset Screw



P.W-63

P.W-88

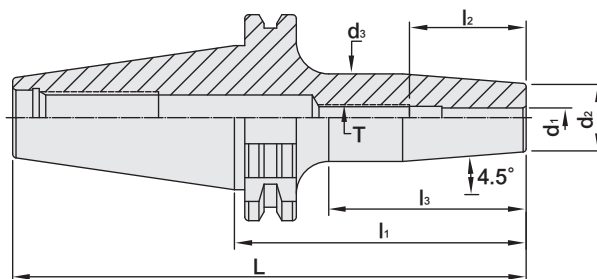
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49130 - 80	DAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
49132 - 80	DAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
49134 - 80	DAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
49136 - 80	DAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
49136 - 130	DAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
49136 - 160	DAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
49136 - 200	DAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
49138 - 80	DAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
49138 - 130	DAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
49138 - 160	DAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
49138 - 200	DAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
49140 - 80	DAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
49140 - 130	DAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
49140 - 160	DAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
49140 - 200	DAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
49142 - 80	DAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
49142 - 130	DAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
49142 - 160	DAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
49142 - 200	DAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
49144 - 80	DAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
49144 - 130	DAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
49144 - 160	DAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
49144 - 200	DAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88



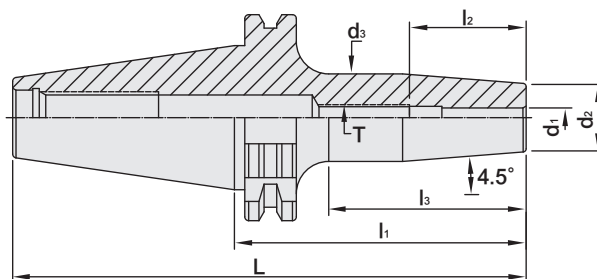
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49146 - 80	DAT40 x SFC16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
49146 - 130	DAT40 x SFC16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
49146 - 160	DAT40 x SFC16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
49146 - 200	DAT40 x SFC16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
49148 - 80	DAT40 x SFC18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
49148 - 130	DAT40 x SFC18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
49148 - 160	DAT40 x SFC18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
49148 - 200	DAT40 x SFC18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
49150 - 80	DAT40 x SFC20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
49150 - 130	DAT40 x SFC20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
49150 - 160	DAT40 x SFC20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
49150 - 200	DAT40 x SFC20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
49152 - 100	DAT40 x SFC25 - 100	168.4	80	58	80.9	25	44	53	M20	500	1.79
49152 - 130	DAT40 x SFC25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
49152 - 160	DAT40 x SFC25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
49152 - 200	DAT40 x SFC25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
49154 - 100	DAT40 x SFC32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

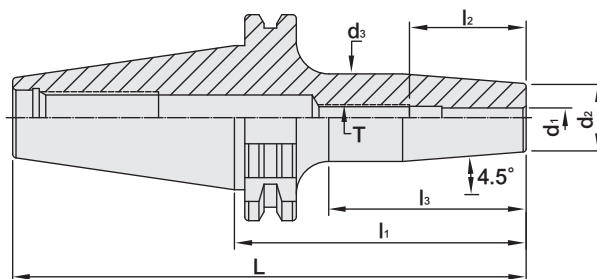
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49166 - 80	DAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
49166 - 130	DAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
49166 - 160	DAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
49166 - 200	DAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
49168 - 80	DAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
49168 - 130	DAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
49168 - 160	DAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
49168 - 200	DAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
49170 - 80	DAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
49170 - 130	DAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
49170 - 160	DAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
49170 - 200	DAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
49172 - 80	DAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
49172 - 130	DAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
49172 - 160	DAT50 x SFC12 - 160	261.75	160	47	100.9	12	24	32	M10	110	2.88
49172 - 200	DAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
49174 - 80	DAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
49174 - 130	DAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
49174 - 160	DAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
49174 - 200	DAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

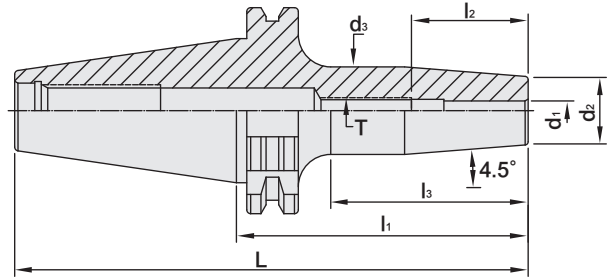
P.W-88



DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49176 - 80	DAT50 x SFC16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
49176 - 130	DAT50 x SFC16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
49176 - 160	DAT50 x SFC16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
49176 - 200	DAT50 x SFC16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
49178 - 80	DAT50 x SFC18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
49178 - 130	DAT50 x SFC18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
49178 - 160	DAT50 x SFC18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
49178 - 200	DAT50 x SFC18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
49180 - 80	DAT50 x SFC20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
49180 - 130	DAT50 x SFC20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
49180 - 160	DAT50 x SFC20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
49180 - 200	DAT50 x SFC20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
49182 - 100	DAT50 x SFC25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
49182 - 130	DAT50 x SFC25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
49182 - 160	DAT50 x SFC25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
49182 - 200	DAT50 x SFC25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
49184 - 100	DAT50 x SFC32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

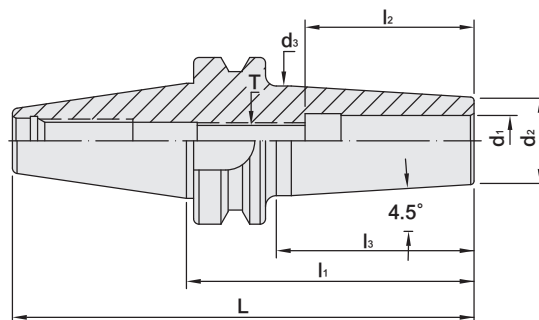
SBT / SFC SHRINK FIT CHUCK

Dual
DRIVE+ 4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651.06.060	SBT30 x SFC6 - 60	108.4	60	36	33	6	23	-	M5	18	0.70
25.651.06.080	SBT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
25.651.08.060	SBT30 x SFC8 - 60	108.4	60	36	33	8	23	-	M6	35	0.52
25.651.08.080	SBT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
25.651.10.060	SBT30 x SFC10 - 60	108.4	60	42	35	10	27	-	M8	65	0.52
25.651.10.080	SBT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
25.651.12.060	SBT30 x SFC12 - 60	108.4	60	47	36	12	27	-	M10	110	0.52
25.651.12.080	SBT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
25.651.14.065	SBT30 x SFC14 - 65	113.4	65	47	41	14	30	-	M10	150	0.57
25.651.14.080	SBT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
25.651.16.065	SBT30 x SFC16 - 65	113.4	65	50	41	16	30	-	M12	200	0.55
25.651.16.080	SBT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
25.651.18.070	SBT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
25.651.18.090	SBT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
25.651.20.070	SBT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
25.651.20.090	SBT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

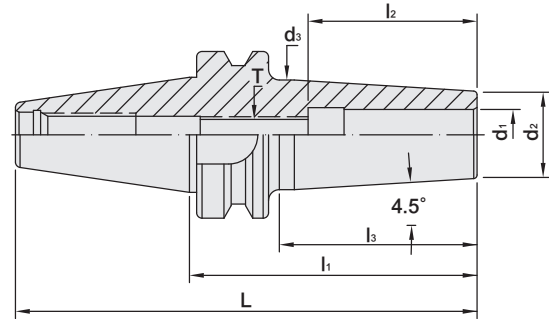
P.W-88



SBT / SFC SHRINK FIT CHUCK

Dual
DRIVE+ 4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.03.090	SBT40 x SFC3 - 90	155.4	90	18	53	3	10	18.4	M6	18	0.98
26.651.04.090	SBT40 x SFC4 - 90	155.4	90	20	53	4	10	18.4	M6	18	1.01
26.651.06.090	SBT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
26.651.06.130	SBT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
26.651.06.160	SBT40 x SFC6 - 160	225.4	160	36	123	6	21	27	M5	18	1.54
26.651.06.200	SBT40 x SFC6 - 200	265.4	200	36	163	6	21	27	M5	18	1.72
26.651.08.090	SBT40 x SFC8 - 90	155.4	90	36	53	8	21	27	M6	35	1.23
26.651.08.130	SBT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
26.651.08.160	SBT40 x SFC8 - 160	225.4	160	36	123	8	21	27	M6	35	1.54
26.651.08.200	SBT40 x SFC8 - 200	265.4	200	36	163	8	21	27	M6	35	1.72
26.651.10.090	SBT40 x SFC10 - 90	155.4	90	42	58	10	24	32	M8	65	1.48
26.651.10.130	SBT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
26.651.10.160	SBT40 x SFC10 - 160	225.4	160	42	123	10	24	32	M8	65	1.79
26.651.10.200	SBT40 x SFC10 - 200	265.4	200	42	163	10	24	32	M8	65	1.97
26.651.12.090	SBT40 x SFC12 - 90	155.4	90	47	58	12	24	32	M10	110	1.68
26.651.12.130	SBT40 x SFC12 -130	195.4	130	47	93	12	24	32	M10	110	1.86
26.651.12.160	SBT40 x SFC12 - 160	225.4	160	47	123	12	24	32	M10	110	1.99
26.651.12.200	SBT40 x SFC12 - 200	265.4	200	47	163	12	24	32	M10	110	2.17
26.651.14.090	SBT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
26.651.14.130	SBT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
26.651.14.160	SBT40 x SFC14 - 160	225.4	160	47	123	14	27	34	M10	150	2.07
26.651.14.200	SBT40 x SFC14 - 200	265.4	200	47	163	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

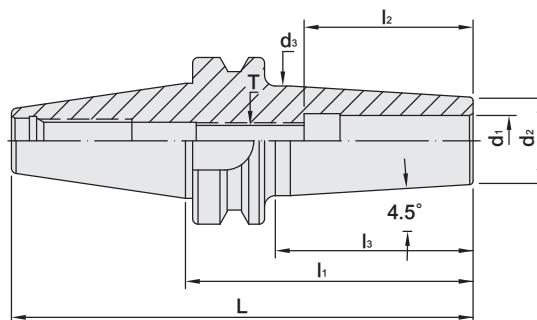
SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.16.090	SBT40 x SFC16 - 90	155.4	90	50	58	16	27	34	M12	200	1.57
26.651.16.130	SBT40 x SFC16 - 130	195.4	130	50	93	16	27	34	M12	200	1.75
26.651.16.160	SBT40 x SFC16 - 160	225.4	160	50	123	16	27	34	M12	200	1.91
26.651.16.200	SBT40 x SFC16 - 200	265.4	200	50	163	16	27	34	M12	200	2.06
26.651.18.090	SBT40 x SFC18 - 90	155.4	90	50	58	18	33	42	M12	250	2.12
26.651.18.130	SBT40 x SFC18 - 130	195.4	130	50	98	18	33	42	M12	250	2.31
26.651.18.160	SBT40 x SFC18 - 160	225.4	160	50	128	18	33	42	M12	250	2.46
26.651.18.200	SBT40 x SFC18 - 200	265.4	200	50	168	18	33	42	M12	250	2.61
26.651.19.090	SBT40 x SFC19 - 90	155.4	90	60	61.5	19	33	42	M16	250	1.35
26.651.20.090	SBT40 x SFC20 - 90	155.4	90	52	58	20	33	42	M16	320	2.09
26.651.20.130	SBT40 x SFC20 - 130	195.4	130	52	98	20	33	42	M16	320	2.28
26.651.20.160	SBT40 x SFC20 - 160	225.4	160	52	128	20	33	42	M16	320	2.43
26.651.20.200	SBT40 x SFC20 - 200	265.4	200	52	168	20	33	42	M16	320	2.57
26.651.24.090	SBT40 x SFC24 - 90	155.4	90	72	61.5	24	44	53	M20	500	1.59
26.651.25.100	SBT40 x SFC25 - 100	165.4	100	58	71	25	44	53	M20	500	1.83
26.651.25.130	SBT40 x SFC25 - 130	195.4	130	58	101	25	44	53	M20	500	2.34
26.651.25.160	SBT40 x SFC25 - 160	225.4	160	58	131	25	44	53	M20	500	2.85
26.651.25.200	SBT40 x SFC25 - 200	265.4	200	58	171	25	44	53	M20	500	3.53
26.651.32.100	SBT40 x SFC32 - 100	165.4	100	58	71	32	44	53	M20	550	1.69
26.651.32.130	SBT40 x SFC32 - 130	195.4	130	58	101	32	44	53	M20	550	2.21
26.651.32.160	SBT40 x SFC32 - 160	225.4	160	58	131	32	44	53	M20	550	2.71
26.651.32.200	SBT40 x SFC32 - 200	265.4	200	58	171	32	44	53	M20	550	3.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88



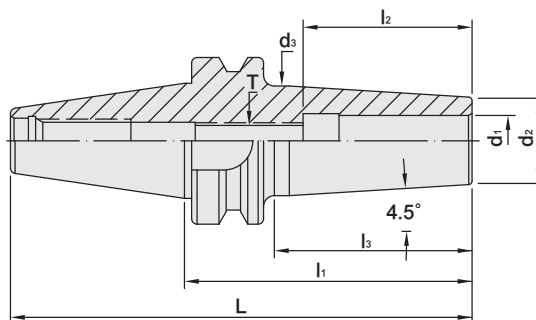
SBT / SFC SHRINK FIT CHUCK

Dual
DRIVE+ 4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651.06.100	SBT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
27.651.06.130	SBT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
27.651.06.160	SBT50 x SFC6 - 160	261.8	160	36	82	6	21	27	M5	18	4.07
27.651.06.200	SBT50 x SFC6 - 200	301.8	200	36	122	6	21	27	M5	18	4.24
27.651.08.100	SBT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
27.651.08.130	SBT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
27.651.08.160	SBT50 x SFC8 - 160	261.8	160	36	82	8	21	27	M6	35	4.06
27.651.08.200	SBT50 x SFC8 - 200	301.8	200	36	122	8	21	27	M6	35	4.23
27.651.10.100	SBT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
27.651.10.130	SBT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
27.651.10.160	SBT50 x SFC10 - 160	261.8	160	42	82	10	24	32	M8	65	4.18
27.651.10.200	SBT50 x SFC10 - 200	301.8	200	42	122	10	24	32	M8	65	4.35
27.651.12.100	SBT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
27.651.12.130	SBT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
27.651.12.160	SBT50 x SFC12 - 160	261.8	60	47	82	12	24	32	M10	110	4.17
27.651.12.200	SBT50 x SFC12 - 200	301.8	200	47	122	12	24	32	M10	110	4.34
27.651.14.100	SBT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
27.651.14.130	SBT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
27.651.14.160	SBT50 x SFC14 - 160	261.8	160	47	82	14	27	34	M10	150	4.24
27.651.14.200	SBT50 x SFC14 - 200	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

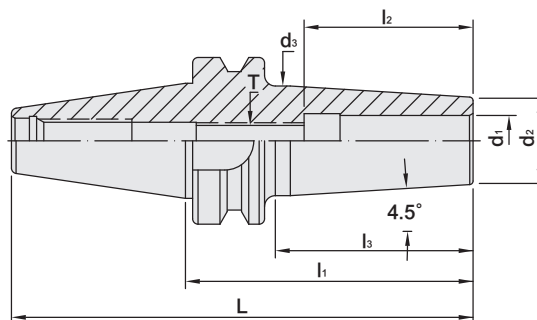
SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651.16.100	SBT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
27.651.16.130	SBT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
27.651.16.160	SBT50 x SFC16 - 160	261.8	160	50	82	16	27	34	M12	200	4.26
27.651.16.200	SBT50 x SFC16 - 200	301.8	200	50	122	16	27	34	M12	200	4.43
27.651.18.100	SBT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
27.651.18.130	SBT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
27.651.18.160	SBT50 x SFC18 - 160	261.8	160	50	82	18	33	42	M12	250	4.51
27.651.18.200	SBT50 x SFC18 - 200	301.8	200	50	122	18	33	42	M12	250	4.68
27.651.19.100	SBT50 x SFC19 - 100	201.8	100	60	60	19	33	42	M16	250	4.00
27.651.20.100	SBT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
27.651.20.130	SBT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
27.651.20.160	SBT50 x SFC20 - 160	261.8	160	52	82	20	33	42	M16	320	4.53
27.651.20.200	SBT50 x SFC20 - 200	301.8	200	52	122	20	33	42	M16	320	4.70
27.651.24.100	SBT50 x SFC24 - 100	201.8	100	72	60	24	44	53	M20	500	4.21
27.651.25.100	SBT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
27.651.25.130	SBT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
27.651.25.160	SBT50 x SFC25 - 160	261.8	160	58	82	25	44	53	M20	500	4.99
27.651.25.200	SBT50 x SFC25 - 200	301.8	200	58	122	25	44	53	M20	500	5.16
27.651.32.100	SBT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
27.651.32.130	SBT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
27.651.32.160	SBT50 x SFC32 - 160	261.8	160	58	82	32	44	53	M20	550	4.84
27.651.32.200	SBT50 x SFC32 - 200	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88



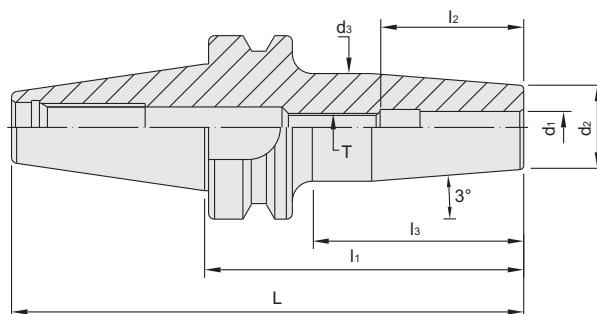
SBT / SFCT SHRINK FIT CHUCK



SBT / SFCT 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651T.04.080	SBT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
25.651T.05.080	SBT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
25.651T.06.080	SBT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
25.651T.08.080	SBT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
25.651T.10.080	SBT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
25.651T.12.080	SBT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
25.651T.14.080	SBT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
25.651T.16.080	SBT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
25.651T.18.090	SBT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
25.651T.20.090	SBT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
25.651T.25.100	SBT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
26.651T.03.090	SBT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.99
26.651T.04.090	SBT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
26.651T.05.090	SBT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
26.651T.06.090	SBT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
26.651T.08.090	SBT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
26.651T.10.090	SBT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
26.651T.12.090	SBT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
26.651T.14.090	SBT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
26.651T.16.090	SBT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
26.651T.18.100	SBT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
26.651T.20.100	SBT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
26.651T.25.100	SBT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
26.651T.32.100	SBT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

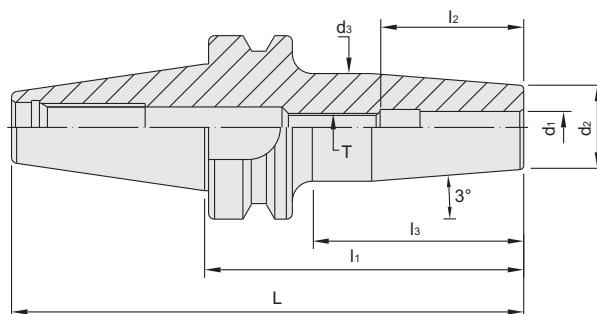
SBT / SFCT SHRINK FIT CHUCK



SBT / SFCT 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651T.04.100	SBT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
27.651T.05.100	SBT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
27.651T.06.100	SBT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
27.651T.08.100	SBT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
27.651T.10.100	SBT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
27.651T.12.100	SBT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
27.651T.14.100	SBT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
27.651T.16.100	SBT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
27.651T.18.110	SBT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
27.651T.20.110	SBT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
27.651T.25.110	SBT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
27.651T.32.110	SBT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

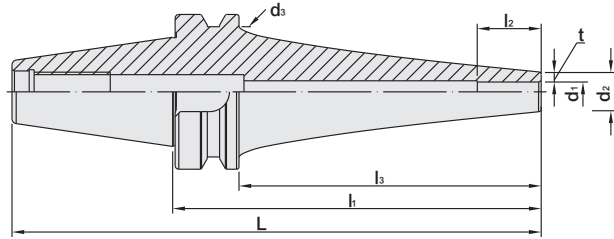


SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
26.768.04.150	SBT40 x SFC4 - 150CUL	215.4	150	10	123	4	10	53	3	1.4
26.768.04.200	SBT40 x SFC4 - 200CUL	265.4	200	10	173	4	10	53	3	1.7
26.768.04.250	SBT40 x SFC4 - 250CUL	315.4	250	10	223	4	10	53	3	2.2
26.768.06.150	SBT40 x SFC6 - 150CUL	215.4	150	26	123	6	13	53	3.5	1.5
26.768.06.200	SBT40 x SFC6 - 200CUL	265.4	200	26	173	6	13	53	3.5	1.7
26.768.08.150	SBT40 x SFC8 - 150CUL	215.4	150	26	123	8	16	53	4	1.6
26.768.08.200	SBT40 x SFC8 - 200CUL	265.4	200	26	173	8	16	53	4	1.8
26.768.08.250	SBT40 x SFC8 - 250CUL	315.4	250	26	223	8	16	53	4	2.0
26.768.10.150	SBT40 x SFC10 - 150CUL	215.4	150	32	123	10	19	53	4.5	1.6
26.768.10.200	SBT40 x SFC10 - 200CUL	265.4	200	32	173	10	19	53	4.5	1.8
26.768.10.250	SBT40 x SFC10 - 250CUL	315.4	250	32	223	10	19	53	4.5	2.0
26.768.12.150	SBT40 x SFC12 - 150CUL	215.4	150	37	123	12	22	53	5	1.7
26.768.12.200	SBT40 x SFC12 - 200CUL	265.4	200	37	173	12	22	53	5	1.8
26.768.12.250	SBT40 x SFC12 - 250CUL	315.4	250	37	223	12	22	53	5	2.0

МАШСЕРВИС

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud



P.W-60~61

Preset Screw



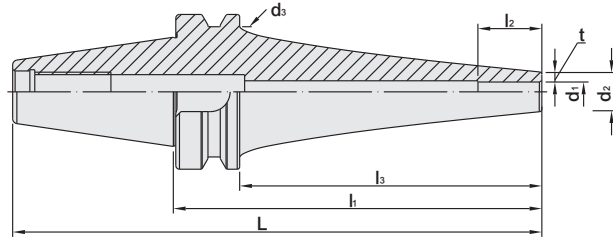
P.W-88

SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
27.768.04.150	SBT50 x SFC4 - 150CUL	251.8	150	10	112	4	10	85	3	5.3
27.768.04.200	SBT50 x SFC4 - 200CUL	301.8	200	10	162	4	10	85	3	5.8
27.768.04.250	SBT50 x SFC4 - 250CUL	351.8	250	10	212	4	10	85	3	6.3
27.768.04.300	SBT50 x SFC4 - 300CUL	401.8	300	10	262	4	10	85	3	6.7
27.768.06.150	SBT50 x SFC6 - 150CUL	251.8	150	26	112	6	13	85	3.5	5.3
27.768.06.200	SBT50 x SFC6 - 200CUL	301.8	200	26	162	6	13	85	3.5	5.9
27.768.06.250	SBT50 x SFC6 - 250CUL	351.8	250	26	212	6	13	85	3.5	6.4
27.768.06.300	SBT50 x SFC6 - 300CUL	401.8	300	26	262	6	13	85	3.5	6.8
27.768.08.150	SBT50 x SFC8 - 150CUL	251.8	150	26	112	8	16	85	4	4.9
27.768.08.200	SBT50 x SFC8 - 200CUL	301.8	200	26	162	8	16	85	4	5.5
27.768.08.250	SBT50 x SFC8 - 250CUL	351.8	250	26	212	8	16	85	4	5.8
27.768.08.300	SBT50 x SFC8 - 300CUL	401.8	300	26	262	8	16	85	4	6.1
27.768.10.150	SBT50 x SFC10 - 150CUL	251.8	150	32	112	10	20	85	4.5	5.1
27.768.10.200	SBT50 x SFC10 - 200CUL	301.8	200	32	162	10	20	85	4.5	5.4
27.768.10.250	SBT50 x SFC10 - 250CUL	351.8	250	32	212	10	20	85	4.5	6.1
27.768.10.300	SBT50 x SFC10 - 300CUL	401.8	300	32	262	10	20	85	4.5	6.4
27.768.12.150	SBT50 x SFC12 - 150CUL	251.8	150	37	112	12	22	85	5	5.1
27.768.12.200	SBT50 x SFC12 - 200CUL	301.8	200	37	162	12	22	85	5	5.6
27.768.12.250	SBT50 x SFC12 - 250CUL	351.8	250	37	212	12	22	85	5	5.8
27.768.12.300	SBT50 x SFC12 - 300CUL	401.8	300	37	262	12	22	85	5	6.3

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

Preset Screw



P.W-60~61

P.W-88



SCAT / SFC SHRINK FIT CHUCK

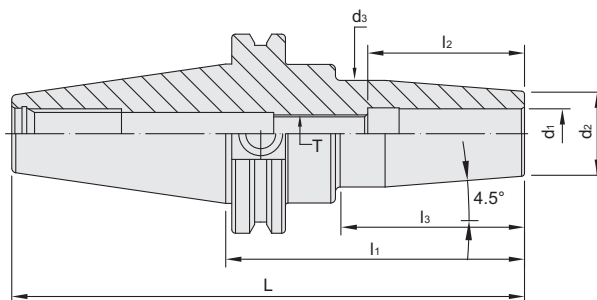


SCAT / SFC 法蘭加厚型熱膨脹刀桿



TW PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
43.651.52.350	SCAT40 x SFC1/8" - 3.5"	6.187	3.5	0.79	1.76	0.125	0.36	0.64	M6	1.03
43.651.52.500	SCAT40 x SFC1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	1.11
43.651.53.350	SCAT40 x SFC3/16" - 3.5"	6.187	3.5	0.79	1.76	0.1875	0.43	0.7	M6	1.04
43.651.53.500	SCAT40 x SFC3/16" - 5"	7.687	5	0.79	3.23	0.1875	0.43	0.71	-	1.10
43.651.54.300	SCAT40 x SFC1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.95	M5	1.09
43.651.54.350	SCAT40 x SFC1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.95	M5	1.12
43.651.54.500	SCAT40 x SFC1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	1.29
43.651.54.600	SCAT40 x SFC1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.38	M5	1.49
43.651.55.350	SCAT40 x SFC5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.78	1.06	M6	1.14
43.651.55.500	SCAT40 x SFC5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.78	1.06	M6	1.30
43.651.56.300	SCAT40 x SFC3/8" - 3"	5.687	3	1.53	1.56	0.375	0.94	1.18	M8	1.15
43.651.56.375	SCAT40 x SFC3/8" - 3.75"	6.437	3.75	1.53	2.31	0.375	0.94	1.26	M8	1.24
43.651.56.500	SCAT40 x SFC3/8" - 5"	7.687	5	1.53	3.28	0.375	0.94	1.38	M8	1.46
43.651.56.600	SCAT40 x SFC3/8" - 6"	8.687	6	1.53	4.44	0.5	0.94	1.38	M8	1.66
43.651.58.300	SCAT40 x SFC1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	1.19
43.651.58.375	SCAT40 x SFC1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	1.30
43.651.58.500	SCAT40 x SFC1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.38	M10	1.52
43.651.58.600	SCAT40 x SFC1/2" - 6"	8.687	6	1.85	4.36	0.5	1.1	1.38	M10	1.68
43.651.61.375	SCAT40 x SFC5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	1.27
43.651.64.300	SCAT40 x SFC3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	1.24
43.651.64.400	SCAT40 x SFC3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	1.49
43.651.64.500	SCAT40 x SFC3/4" - 5"	7.687	5	2.04	3.44	0.75	1.42	1.38	M16	1.48
43.651.64.600	SCAT40 x SFC3/4" - 6"	8.687	6	2.04	4.44	0.75	1.42	1.38	M16	1.64
43.651.68.300	SCAT40 x SFC1" - 3"	5.687	3	2.28	1.47	1	1.81	2.04	M20	1.34
43.651.68.400	SCAT40 x SFC1" - 4"	6.687	4	2.28	2.45	1	1.81	2.09	M20	1.73
43.651.68.600	SCAT40 x SFC1" - 6"	8.687	6	2.28	4.37	1	1.81	2.09	M20	2.51
43.651.72.400	SCAT40 x SFC1-1/4" - 4"	6.687	4	2.28	2.45	1.25	1.81	2.09	M20	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



P.W-62

Preset Screw



P.W-88

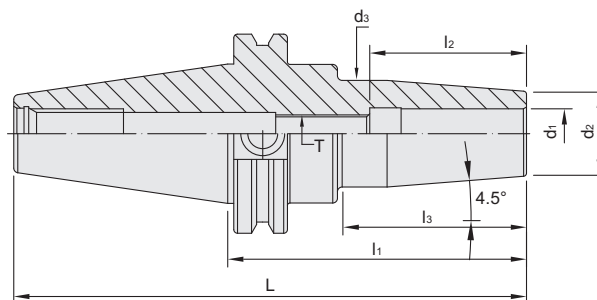
SCAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+ 4.5°

SCAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.53.354	SCAT50 x SFC3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
44.651.54.354	SCAT50 x SFC1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
44.651.55.354	SCAT50 x SFC5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
44.651.56.394	SCAT50 x SFC3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
44.651.58.394	SCAT50 x SFC1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
44.651.61.394	SCAT50 x SFC5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
44.651.64.413	SCAT50 x SFC3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
44.651.64.600	SCAT50 x SFC3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
44.651.68.413	SCAT50 x SFC1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
44.651.68.600	SCAT50 x SFC1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
44.651.72.413	SCAT50 x SFC1-1/4" - 4.13"	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
44.651.72.472	SCAT50 x SFC1-1/4" - 4.72"	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
44.651.72.600	SCAT50 x SFC1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88



SCAT / SFC SHRINK FIT CHUCK

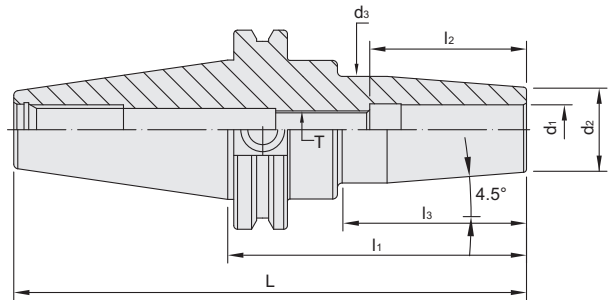
Dual
DRIVE+

4.5°

SCAT / SFC 法蘭加厚型熱膨脹刀桿



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D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
43.651.03.100	SCAT40 x SFC3 - 100	168.249	100	18	55	3	9	17	M6	1.04
43.651.04.100	SCAT40 x SFC4 - 100	168.249	100	20	55	4	10	18	M6	1.06
43.651.05.100	SCAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M6	1.12
43.651.06.100	SCAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	1.23
43.651.06.150	SCAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	1.39
43.651.08.100	SCAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	1.22
43.651.08.150	SCAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	1.39
43.651.10.100	SCAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	1.28
43.651.10.150	SCAT40 x SFC10 - 150	218.249	150	42	107	10	24	32	M8	1.52
43.651.12.100	SCAT40 x SFC12 - 100	168.249	100	47	59	12	24	33	M10	1.27
43.651.12.150	SCAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	1.31
43.651.14.95.3	SCAT40 x SFC14 - 95.3	161.749	95.3	47	59	14	27	34	M10	1.62
43.651.14.152.4	SCAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	1.25
43.651.16.95.3	SCAT40 x SFC16 - 95.3	161.749	95.3	50	54	16	27	34	M12	1.28
43.651.16.160	SCAT40 x SFC16 - 160	228.249	160	50	59	16	27	34	M12	1.64
43.651.18.100	SCAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	1.43
43.651.20.080	SCAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	1.20

Features:

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Pull Stud

Preset Screw



P.W-62

P.W-88

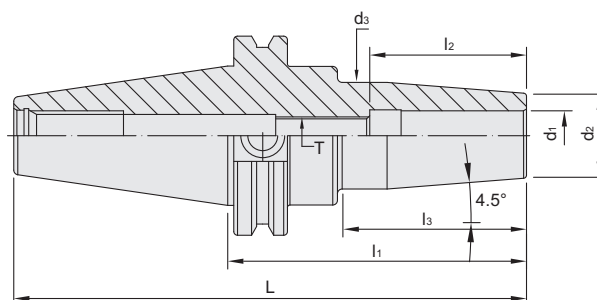
SCAT / SFC SHRINK FIT CHUCK



SCAT / SFC 法蘭加厚型熱膨脹刀桿



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MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
44.651.06.100	SCAT50 x SFC6 - 100	201.8	100	36	62	6	21	27	M5	3.21
44.651.06.150	SCAT50 x SFC6 - 150	251.8	150	36	101	6	21	27	M5	3.42
44.651.08.100	SCAT50 x SFC8 - 100	201.8	100	36	60	8	21	27	M6	3.21
44.651.08.150	SCAT50 x SFC8 - 150	251.8	150	36	101	8	21	27	M6	3.41
44.651.10.100	SCAT50 x SFC10 - 100	201.8	100	42	60	10	24	32	M8	3.27
44.651.10.150	SCAT50 x SFC10 - 150	251.8	150	42	91	10	24	32	M8	3.74
44.651.12.100	SCAT50 x SFC12 - 100	201.8	100	47	62	12	24	32	M10	3.26
44.651.12.150	SCAT50 x SFC12 - 150	251.8	150	47	91	12	24	32	M10	3.71
44.651.14.100	SCAT50 x SFC14 - 100	201.8	100	47	62	14	27	34	M10	3.31
44.651.14.150	SCAT50 x SFC14 - 150	251.8	150	47	92	14	27	34	M10	3.79
44.651.16.100	SCAT50 x SFC16 - 100	201.8	100	50	62	16	27	34	M12	3.29
44.651.16.160	SCAT50 x SFC16 - 160	261.8	160	50	102	16	27	34	M12	3.83
44.651.18.100	SCAT50 x SFC18 - 100	201.8	100	50	62	18	33	42	M12	3.45
44.651.20.080	SCAT50 x SFC20 - 80	181.8	80	52	42	20	33	42	M16	3.26
44.651.25.100	SCAT50 x SFC25 - 100	201.8	100	58	62	25	44	53	M20	3.69
44.651.32.100	SCAT50 x SFC32 - 100	201.8	100	58	62	32	44	53	M20	3.55

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88

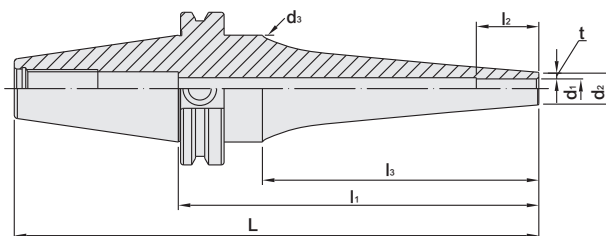


SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 熱膨脹刀桿 [CUL型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
43.768.53.600	SCAT40 x SFC3/16" - 6" CUL	8.687	6	0.394	4.63	0.1875	0.42	1.75	0.118	1.5
43.768.53.800	SCAT40 x SFC3/16" - 8" CUL	10.687	8	0.394	6.63	0.1875	0.42	1.75	0.118	1.6
43.768.54.600	SCAT40 x SFC1/4" - 6" CUL	8.687	6	1.024	4.63	0.25	0.53	1.75	0.138	1.5
43.768.54.800	SCAT40 x SFC1/4" - 8" CUL	10.687	8	1.024	6.63	0.25	0.53	1.75	0.138	1.7
43.768.55.600	SCAT40 x SFC5/16" - 6" CUL	8.687	6	1.026	4.63	0.3125	0.63	1.75	0.157	1.6
43.768.55.800	SCAT40 x SFC5/16" - 8" CUL	10.687	8	1.026	6.63	0.3125	0.63	1.75	0.157	1.7
43.768.55.100	SCAT40 x SFC5/16" - 10" CUL	12.687	10	1.026	8.63	0.3125	0.63	1.75	0.157	1.8
43.768.56.600	SCAT40 x SFC3/8" - 6" CUL	8.687	6	1.259	4.63	0.375	0.73	1.75	0.177	1.6
43.768.56.800	SCAT40 x SFC3/8" - 8" CUL	10.687	8	1.259	6.63	0.375	0.73	1.75	0.177	1.8
43.768.56.100	SCAT40 x SFC3/8" - 10" CUL	12.687	10	1.259	8.63	0.375	0.73	1.75	0.177	1.9
43.768.58.600	SCAT40 x SFC1/2" - 6" CUL	8.687	6	1.457	4.63	0.5	0.89	1.75	0.196	1.7
43.768.58.800	SCAT40 x SFC1/2" - 8" CUL	10.687	8	1.457	6.63	0.5	0.89	1.75	0.196	1.9
43.768.58.100	SCAT40 x SFC1/2" - 10" CUL	12.687	10	1.457	8.63	0.5	0.89	1.75	0.196	2.0

МАШСЕРВИС

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

Preset Screw



P.W-62

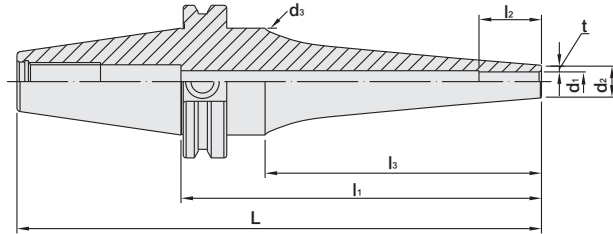
P.W-88

SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 熱膨脹刀桿 [CUL型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
44.768.53.600	SCAT50 x SFC3/16" - 6" CUL	10	6	0.394	4.63	0.1875	0.42	2.75	0.118	4.3
44.768.53.800	SCAT50 x SFC3/16" - 8" CUL	12	8	0.394	6.63	0.1875	0.42	2.75	0.118	4.6
44.768.53.100	SCAT50 x SFC3/16" - 10" CUL	14	10	0.394	8.63	0.1875	0.42	2.75	0.118	4.9
44.768.53.120	SCAT50 x SFC3/16" - 12" CUL	16	12	0.394	10.63	0.1875	0.42	2.75	0.118	5.1
44.768.54.600	SCAT50 x SFC1/4" - 6" CUL	10	6	1.024	4.63	0.25	0.53	2.75	0.138	4.3
44.768.54.800	SCAT50 x SFC1/4" - 8" CUL	12	8	1.024	6.63	0.25	0.53	2.75	0.138	4.7
44.768.54.100	SCAT50 x SFC1/4" - 10" CUL	14	10	1.024	8.63	0.25	0.53	2.75	0.138	5.0
44.768.54.120	SCAT50 x SFC1/4" - 12" CUL	16	12	1.024	10.63	0.25	0.53	2.75	0.138	5.2
44.768.55.600	SCAT50 x SFC5/16" - 6" CUL	10	6	1.026	4.63	0.3125	0.63	2.75	0.157	4.4
44.768.55.800	SCAT50 x SFC5/16" - 8" CUL	12	8	1.026	6.63	0.3125	0.63	2.75	0.157	4.8
44.768.55.100	SCAT50 x SFC5/16" - 10" CUL	14	10	1.026	8.63	0.3125	0.63	2.75	0.157	5.1
44.768.55.120	SCAT50 x SFC5/16" - 12" CUL	16	12	1.026	10.63	0.3125	0.63	2.75	0.157	5.3
44.768.56.600	SCAT50 x SFC3/8" - 6" CUL	10	6	1.259	4.63	0.375	0.73	2.75	0.177	4.4
44.768.56.800	SCAT50 x SFC3/8" - 8" CUL	12	8	1.259	6.63	0.375	0.73	2.75	0.177	4.8
44.768.56.100	SCAT50 x SFC3/8" - 10" CUL	14	10	1.259	8.63	0.375	0.73	2.75	0.177	5.2
44.768.56.120	SCAT50 x SFC3/8" - 12" CUL	16	12	1.259	10.63	0.375	0.73	2.75	0.177	5.4
44.768.58.600	SCAT50 x SFC1/2" - 6" CUL	10	6	1.457	4.63	0.5	0.89	2.75	0.196	4.5
44.768.58.800	SCAT50 x SFC1/2" - 8" CUL	12	8	1.457	6.63	0.5	0.89	2.75	0.196	5.0
44.768.58.100	SCAT50 x SFC1/2" - 10" CUL	14	10	1.457	8.63	0.5	0.89	2.75	0.196	5.3
44.768.58.120	SCAT50 x SFC1/2" - 12" CUL	16	12	1.457	10.63	0.5	0.89	2.75	0.196	5.6

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

Preset Screw



P.W-62

P.W-88



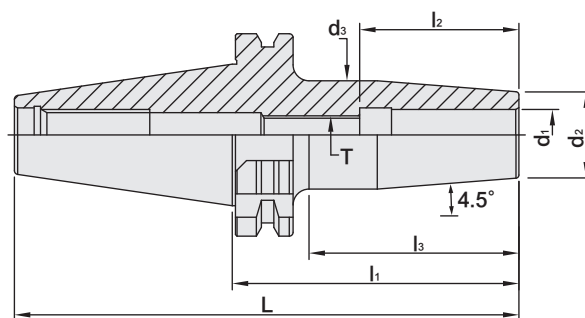
SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.03.080	SDAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
66.651.04.080	SDAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
66.651.05.080	SDAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
66.651.06.080	SDAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
66.651.06.130	SDAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
66.651.06.160	SDAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
66.651.06.200	SDAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
66.651.08.080	SDAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
66.651.08.130	SDAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
66.651.08.160	SDAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
66.651.08.200	SDAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
66.651.10.080	SDAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
66.651.10.130	SDAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
66.651.10.160	SDAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
66.651.10.200	SDAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
66.651.12.080	SDAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
66.651.12.130	SDAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
66.651.12.160	SDAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
66.651.12.200	SDAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
66.651.14.080	SDAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
66.651.14.130	SDAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
66.651.14.160	SDAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
66.651.14.200	SDAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud**Preset Screw**

P.W-63

P.W-88

SDAT / SFC SHRINK FIT CHUCK

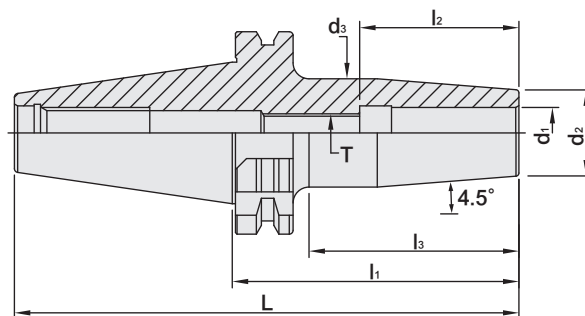
Dual
DRIVE+

4.5°

SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.16.080	SDAT40 x SFC16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
66.651.16.130	SDAT40 x SFC16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
66.651.16.160	SDAT40 x SFC16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
66.651.16.200	SDAT40 x SFC16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
66.651.18.080	SDAT40 x SFC18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
66.651.18.130	SDAT40 x SFC18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
66.651.18.160	SDAT40 x SFC18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
66.651.18.200	SDAT40 x SFC18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
66.651.20.080	SDAT40 x SFC20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
66.651.20.130	SDAT40 x SFC20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
66.651.20.160	SDAT40 x SFC20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
66.651.20.200	SDAT40 x SFC20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
66.651.25.100	SDAT40 x SFC25 - 100	168.4	80	58	80.9	25	44	53	M20	500	1.79
66.651.25.130	SDAT40 x SFC25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
66.651.25.160	SDAT40 x SFC25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
66.651.25.200	SDAT40 x SFC25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
66.651.32.100	SDAT40 x SFC32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88



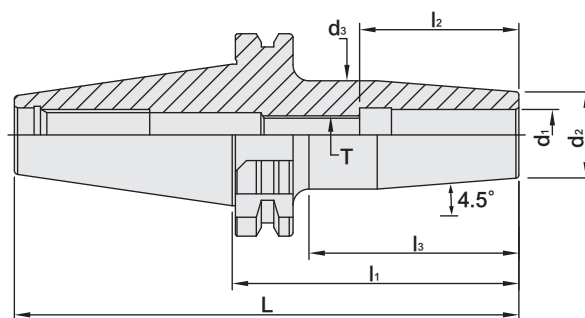
SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.06.080	SDAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
67.651.06.130	SDAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
67.651.06.160	SDAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
67.651.06.200	SDAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
67.651.08.080	SDAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
67.651.08.130	SDAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
67.651.08.160	SDAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
67.651.08.200	SDAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
67.651.10.080	SDAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
67.651.10.130	SDAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
67.651.10.160	SDAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
67.651.10.200	SDAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
67.651.12.080	SDAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
67.651.12.130	SDAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
67.651.12.160	SDAT50 x SFC12 - 160	261.75	160	47	100.9	12	24	32	M10	110	2.88
67.651.12.200	SDAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
67.651.14.080	SDAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
67.651.14.130	SDAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
67.651.14.160	SDAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
67.651.14.200	SDAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud**Preset Screw**

P.W-63

P.W-88

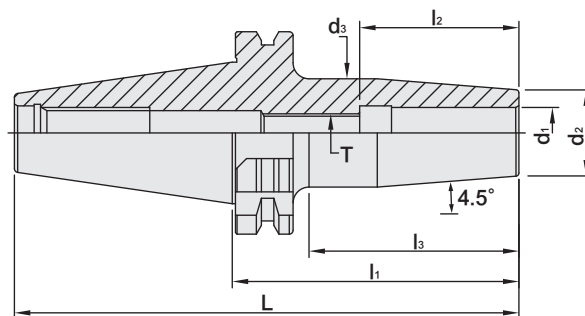
SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.16.080	SDAT50 x SFC16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
67.651.16.130	SDAT50 x SFC16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
67.651.16.160	SDAT50 x SFC16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
67.651.16.200	SDAT50 x SFC16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
67.651.18.080	SDAT50 x SFC18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
67.651.18.130	SDAT50 x SFC18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
67.651.18.160	SDAT50 x SFC18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
67.651.18.200	SDAT50 x SFC18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
67.651.20.080	SDAT50 x SFC20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
67.651.20.130	SDAT50 x SFC20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
67.651.20.160	SDAT50 x SFC20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
67.651.20.200	SDAT50 x SFC20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
67.651.25.100	SDAT50 x SFC25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
67.651.25.130	SDAT50 x SFC25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
67.651.25.160	SDAT50 x SFC25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
67.651.25.200	SDAT50 x SFC25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
67.651.32.100	SDAT50 x SFC32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

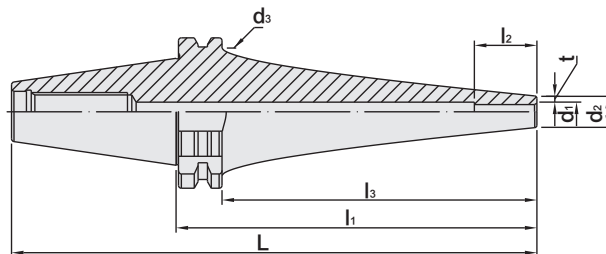


SDAT / SFC SHRINK FIT CHUCK

CUL TYPE



SDAT / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
66.768.04.150	SDAT40 x SFC4 - 150CUL	218.4	150	10	130.9	4	10	53	3	1.5
66.768.04.200	SDAT40 x SFC4 - 200CUL	268.4	200	10	180.9	4	10	53	3	1.7
66.768.04.250	SDAT40 x SFC4 - 250CUL	318.4	250	10	230.9	4	10	53	3	1.8
66.768.06.150	SDAT40 x SFC6 - 150CUL	218.4	150	26	130.9	6	13	53	3.5	1.6
66.768.06.200	SDAT40 x SFC6 - 200CUL	268.4	200	26	180.9	6	13	53	3.5	1.8
66.768.08.150	SDAT40 x SFC8 - 150CUL	218.4	150	26	130.9	8	16	53	4	1.7
66.768.08.200	SDAT40 x SFC8 - 200CUL	268.4	200	26	180.9	8	16	53	4	1.8
66.768.08.250	SDAT40 x SFC8 - 250CUL	318.4	250	26	230.9	8	16	53	4	2.0
66.768.10.150	SDAT40 x SFC10 - 150CUL	218.4	150	32	130.9	10	19	53	4.5	1.7
66.768.10.200	SDAT40 x SFC10 - 200CUL	268.4	200	32	180.9	10	19	53	4.5	1.9
66.768.10.250	SDAT40 x SFC10 - 250CUL	318.4	250	32	230.9	10	19	53	4.5	2.1
66.768.12.150	SDAT40 x SFC12 - 150CUL	218.4	150	37	130.9	12	22	53	5	1.8
66.768.12.200	SDAT40 x SFC12 - 200CUL	268.4	200	37	180.9	12	22	53	5	2.0
66.768.12.250	SDAT40 x SFC12 - 250CUL	318.4	250	37	230.9	12	22	53	5	2.2
67.768.04.150	SDAT50 x SFC4 - 150CUL	251.75	150	10	130.9	4	10	85	3	1.5
67.768.04.200	SDAT50 x SFC4 - 200CUL	301.75	200	10	180.9	4	10	85	3	1.7
67.768.04.250	SDAT50 x SFC4 - 250CUL	351.75	250	10	230.9	4	10	85	3	1.8
67.768.04.300	SDAT50 x SFC4 - 300CUL	401.75	300	10	280.9	4	10	85	3	1.9
67.768.06.150	SDAT50 x SFC6 - 150CUL	251.75	150	26	130.9	6	13	85	3.5	1.6
67.768.06.200	SDAT50 x SFC6 - 200CUL	301.75	200	26	180.9	6	13	85	3.5	1.8
67.768.06.250	SDAT50 x SFC6 - 250CUL	351.75	250	26	230.9	6	13	85	3.5	1.9
67.768.06.300	SDAT50 x SFC6 - 300CUL	401.75	300	26	280.9	6	13	85	3.5	2.0
67.768.08.200	SDAT50 x SFC8 - 200CUL	301.75	200	26	180.9	8	16	85	4	1.8
67.768.08.250	SDAT50 x SFC8 - 250CUL	351.75	250	26	230.9	8	16	85	4	2.0
67.768.08.300	SDAT50 x SFC8 - 300CUL	401.75	300	26	280.9	8	16	85	4	2.1
67.768.10.150	SDAT50 x SFC10 - 150CUL	251.75	150	32	130.9	10	20	85	4.5	1.7
67.768.10.200	SDAT50 x SFC10 - 200CUL	301.75	200	32	180.9	10	20	85	4.5	2.0
67.768.10.250	SDAT50 x SFC10 - 250CUL	351.75	250	32	230.9	10	20	85	4.5	2.1
67.768.10.300	SDAT50 x SFC10 - 300CUL	401.75	300	32	280.9	10	20	85	4.5	2.2
67.768.12.150	SDAT50 x SFC12 - 150CUL	251.75	150	37	130.9	12	22	85	5	1.8
67.768.12.200	SDAT50 x SFC12 - 200CUL	301.75	200	37	180.9	12	22	85	5	2.0
67.768.12.250	SDAT50 x SFC12 - 250CUL	351.75	250	37	230.9	12	22	85	5	2.2
67.768.12.300	SDAT50 x SFC12 - 300CUL	401.75	300	37	280.9	12	22	85	5	2.3

Features: ▶ The most ideal tool holder design for 5 axis machining centers. ▶ Unique curved design avoids interference effectively. ▶ The design of slim nose and short overhanging length of cutter extends tool use life. ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information: ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

Preset Screw



P.W-63

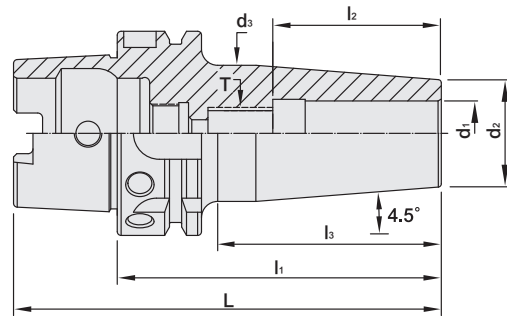
P.W-88

HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39052 - 60	HSK32A x SFC3 - 60	76	60	18	38.1	3	10	16	-	18	0.14
39054 - 60	HSK32A x SFC4 - 60	76	60	20	38.1	4	10	16	-	18	0.14
39056 - 60	HSK32A x SFC5 - 60	76	60	20	38.1	5	10	16	-	18	0.14
39058 - 70	HSK32A x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.27
39060 - 70	HSK32A x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.27
39062 - 80	HSK32A x SFC10 - 80	96	80	42	50	10	24	26	M8	65	0.28
39082 - 60	HSK40A x SFC3 - 60	80	60	19	35.3	3	10	15.5	-	18	0.22
39082	HSK40A x SFC3 - 80	100	80	18	55	3	9	17.7	-	18	0.25
39084 - 60	HSK40A x SFC4 - 60	80	60	22	35.3	4	10	15.5	-	18	0.22
39084	HSK40A x SFC4 - 80	100	80	20	55	4	10	18.7	-	18	0.26
39086 - 60	HSK40A x SFC5 - 60	80	60	25	35.3	5	10	15.5	-	18	0.22
39086	HSK40A x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.33
39088	HSK40A x SFC6 - 80	100	80	36	57	6	21	27	M5	18	0.41
39088 - 130	HSK40A x SFC6 - 130	150	130	36	108	6	21	27	M5	18	0.62
39090	HSK40A x SFC8 - 80	100	80	36	57	8	21	27	M6	35	0.40
39090 - 130	HSK40A x SFC8 - 130	150	130	36	108	8	21	27	M6	35	0.61
39092 - 80	HSK40A x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.45
39092	HSK40A x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.49
39092 - 130	HSK40A x SFC10 - 130	150	130	42	109	10	24	32	M8	65	0.76
39094	HSK40A x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.50
39094 - 130	HSK40A x SFC12 - 130	150	130	47	109	12	24	32	M10	110	0.75
39096	HSK40A x SFC14 - 90	110	90	47	69	14	27	34	M10	150	0.56
39098	HSK40A x SFC16 - 90	110	90	47	69	16	27	34	M12	200	0.53

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66



HSK / SFC SHRINK FIT CHUCK

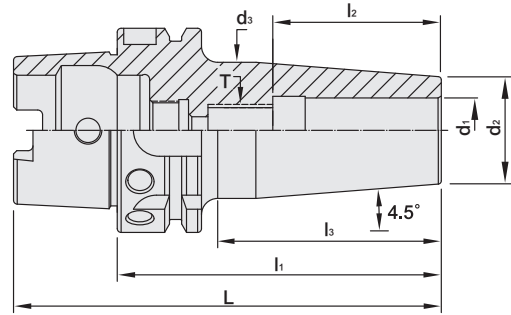
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - 60	HSK50A x SFC3 - 60	85	60	18	24.7	3	10	13.9	M6	18	0.41
39100	HSK50A x SFC3 - 80	105	80	18	49	3	9	16.7	-	18	0.43
39102 - 60	HSK50A x SFC4 - 60	85	60	20	24.7	4	10	13.9	M6	18	0.41
39102	HSK50A x SFC4 - 80	105	80	20	49	4	10	17.7	-	18	0.44
39104 - 60	HSK50A x SFC5 - 60	85	60	20	24.7	5	10	13.9	M6	18	0.41
39104	HSK50A x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.50
39106	HSK50A x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.58
39106 - 130	HSK50A x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.79
39108	HSK50A x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.57
39108 - 130	HSK50A x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.78
39110	HSK50A x SFC 10 - 85	110	85	42	54	10	24	32	M8	65	0.65
39110 - 130	HSK50A x SFC 10 - 130	155	130	42	101.7	10	24	32	M8	65	0.92
39112	HSK50A x SFC 12 - 90	115	90	47	59	12	24	32	M10	110	0.66
39112 - 130	HSK50A x SFC 12 - 130	155	130	47	101.7	12	24	32	M10	110	0.90
39114	HSK50A x SFC 14 - 90	115	90	47	59	14	24	32	M10	150	0.65
39116	HSK50A x SFC 16 - 95	120	95	50	64	16	27	34	M12	200	0.72
39114 - 130	HSK50A x SFC 16 - 130	155	130	47	101.7	16	27	34	M12	150	0.96
39118	HSK50A x SFC 18 - 95	120	95	52	67	18	33	42	M12	250	0.89
39120	HSK50A x SFC 20 - 100	125	100	52	73	20	33	42	M16	320	0.90
39122	HSK50A x SFC 25 - 115	140	115	47	88	20	44	53	M20	500	1.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
		
P.W-66	P.W-88	P.W-66

HSK / SFC SHRINK FIT CHUCK

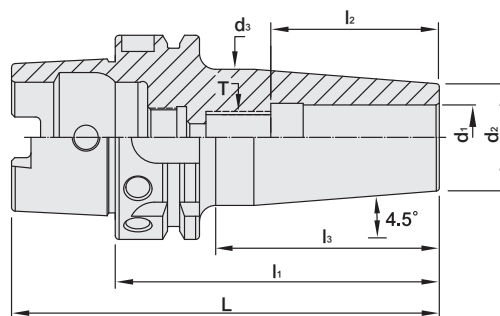
4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130	HSK63A x SFC3 - 80	112	80	18	40	3	9	18	M6	18	0.69
39132	HSK63A x SFC4 - 80	112	80	18	44	4	10	17.05	M6	18	0.70
39134	HSK63A x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.76
39136	HSK63A x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.83
39136 - 130	HSK63A x SFC6 - 130	162	130	36	94	6	21	27	M5	18	1.06
39137	HSK63A x SFC6 - 160	192	160	36	124	6	21	27	M5	18	1.19
39137 - 200	HSK63A x SFC6 - 200	232	200	36	164	6	21	27	M5	18	1.37
39138	HSK63A x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.83
39138 - 130	HSK63A x SFC8 - 130	162	130	36	94	8	21	27	M6	35	1.05
39139	HSK63A x SFC8 - 160	192	160	36	124	8	21	27	M6	35	1.18
39139 - 200	HSK63A x SFC8 - 200	232	200	36	164	8	21	27	M6	35	1.36
39140	HSK63A x SFC10 - 85	117	85	42	54	10	24	32	M8	65	0.91
39140 - 130	HSK63A x SFC10 - 130	162	130	42	94	10	24	32	M8	65	1.18
39141	HSK63A x SFC10 - 160	192	160	42	124	10	24	32	M8	65	1.36
39141 - 200	HSK63A x SFC10 - 200	232	200	42	164	10	24	32	M8	65	1.61
39142	HSK63A x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.92
39142 - 130	HSK63A x SFC12 - 130	162	130	47	94	12	24	32	M10	65	1.17
39143	HSK63A x SFC12 - 160	192	160	47	124	12	24	32	M10	110	1.35
39143 - 200	HSK63A x SFC12 - 200	232	200	47	164	12	24	32	M10	110	1.60
39144	HSK63A x SFC14 - 90	122	90	47	59	14	27	34	M10	150	0.97
39144 - 130	HSK63A x SFC14 - 130	162	130	47	99	14	27	34	M10	150	1.23
39145	HSK63A x SFC14 - 160	192	160	47	129	14	27	34	M10	150	1.44
39145 - 200	HSK63A x SFC14 - 200	232	200	47	169	14	27	34	M10	150	1.72
39146	HSK63A x SFC16 - 95	127	95	50	64	16	27	34	M12	200	0.98
39146 - 130	HSK63A x SFC16 - 130	162	130	50	99	16	27	34	M12	200	1.21
39147	HSK63A x SFC16 - 160	192	160	50	129	16	27	34	M12	200	1.42
39147 - 200	HSK63A x SFC16 - 200	232	200	50	169	16	27	34	M12	200	1.70

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66

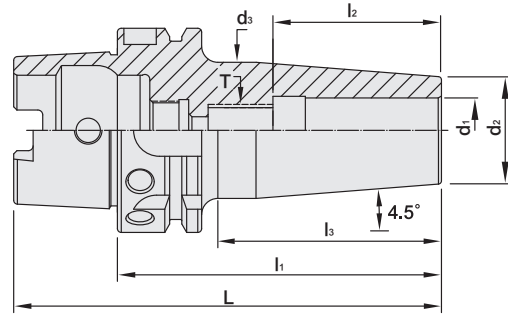


HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39148	HSK63A x SFC18 - 95	127	95	50	64	18	33	42	M12	250	1.15
39148 - 130	HSK63A x SFC18 - 130	162	130	50	89	18	33	42	M12	250	1.51
39149	HSK63A x SFC18 - 160	192	160	50	89	18	33	42	M12	250	1.83
39149 - 200	HSK63A x SFC18 - 200	232	200	50	129	18	33	42	M12	250	2.26
39157	HSK63A x SFC19 - 100	132	100	60	69	19	33	42	-	320	1.16
39150	HSK63A x SFC20 - 100	132	100	52	69	20	33	42	M16	320	1.17
39150 - 130	HSK63A x SFC20 - 130	162	130	52	89	20	33	42	M16	320	1.48
39151	HSK63A x SFC20 - 160	192	160	52	89	20	33	42	M16	320	1.80
39151 - 200	HSK63A x SFC20 - 200	232	200	52	129	20	33	42	M16	320	2.23
39158	HSK63A x SFC24 - 115	147	115	72	88.6	24	44	53	-	500	1.71
39152	HSK63A x SFC25 - 115	147	115	58	88	25	44	53	M20	500	1.67
39152 - 130	HSK63A x SFC25 - 130	162	130	58	104	25	44	53	M20	500	2.00
39153	HSK63A x SFC25 - 160	192	160	58	134	25	44	53	M20	500	2.51
39153 - 200	HSK63A x SFC25 - 200	232	200	58	174	25	44	53	M20	500	3.19
39154	HSK63A x SFC32 - 120	152	120	58	93	32	44	53	M20	550	1.67
39155	HSK63A x SFC32 - 160	192	160	58	134	32	44	53	M20	550	2.37
39155 - 200	HSK63A x SFC32 - 200	232	200	58	174	32	44	53	M20	550	3.05

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-66



P.W-88



P.W-66

HSK / SFC SHRINK FIT CHUCK

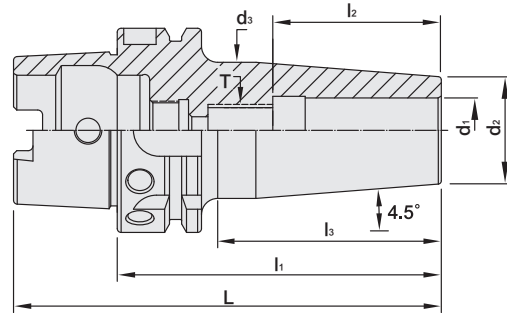
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39183	HSK100A x SFC6 - 85	135	85	36	46	6	21	27	M5	18	2.21
39183 - 130	HSK100A x SFC6 - 130	180	130	36	91	6	21	27	M5	18	2.36
39183 - 160	HSK100A x SFC6 - 160	210	160	36	91	6	21	27	M5	18	2.50
39183 - 200	HSK100A x SFC6 - 200	250	200	36	131	6	21	27	M5	18	2.67
39184	HSK100A x SFC8 - 85	135	85	36	46	8	21	27	M6	35	2.20
39184 - 130	HSK100A x SFC8 - 130	180	130	36	91	8	21	27	M6	35	2.35
39184 - 160	HSK100A x SFC8 - 160	210	160	36	91	8	21	27	M6	35	2.49
39184 - 200	HSK100A x SFC8 - 200	250	200	36	131	8	21	27	M6	35	2.66
39185	HSK100A x SFC10 - 90	140	90	42	51	10	24	32	M8	65	2.28
39185 - 130	HSK100A x SFC10 - 130	180	130	42	91	10	24	32	M8	65	2.49
39185 - 160	HSK100A x SFC10 - 160	210	160	42	91	10	24	32	M8	65	2.68
39185 - 200	HSK100A x SFC10 - 200	250	200	42	131	10	24	32	M8	65	2.92
39186	HSK100A x SFC12 - 95	145	95	47	56	12	24	32	M10	110	2.30
39186 - 130	HSK100A x SFC12 - 130	180	130	47	91	12	24	32	M10	65	2.47
39186 - 160	HSK100A x SFC12 - 160	210	160	47	91	12	24	32	M10	110	2.66
39186 - 200	HSK100A x SFC12 - 200	250	200	47	131	12	24	32	M10	110	2.91
39188	HSK100A x SFC14 - 95	145	95	47	56	14	27	34	M10	150	2.35
39188 - 130	HSK100A x SFC14 - 130	180	130	47	91	14	27	34	M10	150	2.55
39188 - 160	HSK100A x SFC14 - 160	210	160	47	91	14	27	34	M10	150	2.76
39188 - 200	HSK100A x SFC14 - 200	250	200	47	131	14	27	34	M10	150	3.04
39190	HSK100A x SFC16 - 100	150	100	50	61	16	27	34	M12	200	2.36
39190 - 130	HSK100A x SFC16 - 130	180	130	50	91	16	27	34	M12	200	2.53
39190 - 160	HSK100A x SFC16 - 160	210	160	50	91	16	27	34	M12	200	2.74
39190 - 200	HSK100A x SFC16 - 200	250	200	50	131	16	27	34	M12	200	3.02

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
P.W-66	P.W-88	P.W-66

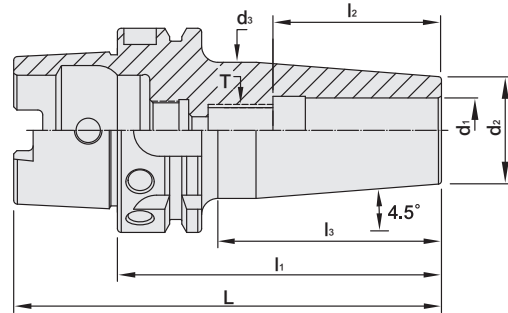


HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39192	HSK100A x SFC18 - 100	150	100	50	66	18	33	42	M12	250	2.52
39192 - 130	HSK100A x SFC18 - 130	180	130	50	91	18	33	42	M12	250	2.82
39192 - 160	HSK100A x SFC18 - 160	210	160	50	91	18	33	42	M12	250	3.14
39192 - 200	HSK100A x SFC18 - 200	250	200	50	131	18	33	42	M12	250	3.57
39193	HSK100A x SFC19 - 105	155	105	60	71	19	33	42	-	320	2.50
39194	HSK100A x SFC20 - 105	155	105	52	71	20	33	42	M16	320	2.53
39194 - 130	HSK100A x SFC20 - 130	180	130	52	96	20	33	42	M16	320	2.79
39194 - 160	HSK100A x SFC20 - 160	210	160	52	91	20	33	42	M16	320	3.11
39194 - 200	HSK100A x SFC20 - 200	250	200	52	131	20	33	42	M16	320	3.54
39195	HSK100A x SFC24 - 115	165	115	72	81	24	44	53	-	500	2.99
39196	HSK100A x SFC25 - 115	165	115	58	81	25	44	53	M20	500	3.04
39196 - 160	HSK100A x SFC25 - 160	210	160	58	91	25	44	53	M20	500	3.82
39196 - 200	HSK100A x SFC25 - 200	250	200	58	131	25	44	53	M20	500	4.50
39198	HSK100A x SFC32 - 120	170	120	58	86	32	44	53	M20	550	2.98
39198 - 160	HSK100A x SFC32 - 160	210	160	58	91	32	44	53	M20	550	3.68
39198 - 200	HSK100A x SFC32 - 200	250	200	58	131	32	44	53	M20	550	4.36

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

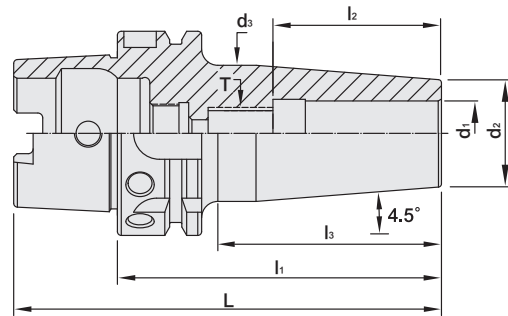
Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66

HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39204	HSK125A x SFC10 - 130	193	130	42	75	10	24	32	M8	65	4.39
39204 - 160	HSK125A x SFC10 - 160	223	160	42	75	10	24	32	M8	65	5.25
39204 - 200	HSK125A x SFC10 - 200	263	200	42	75	10	24	32	M8	65	6.37
39206	HSK125A x SFC12 - 130	193	130	47	75	12	24	32	M10	110	4.37
39206 - 160	HSK125A x SFC12 - 160	223	160	47	75	12	24	32	M10	110	5.24
39206 - 200	HSK125A x SFC12 - 200	263	200	47	75	12	24	32	M10	110	6.36
39210	HSK125A x SFC16 - 130	193	130	50	75	16	27	34	M12	200	4.65
39210 - 160	HSK125A x SFC16 - 160	223	160	50	75	16	27	34	M12	200	5.61
39210 - 200	HSK125A x SFC16 - 200	263	200	50	75	16	27	34	M12	200	6.45
39214	HSK125A x SFC20 - 115	178	115	52	60	20	33	42	M16	320	4.51
39214 - 130	HSK125A x SFC20 - 130	193	130	52	75	20	33	42	M16	320	4.65
39214 - 160	HSK125A x SFC20 - 160	223	160	52	75	20	33	42	M16	320	5.61
39214 - 200	HSK125A x SFC20 - 200	263	200	52	75	20	33	42	M16	320	6.87
39216	HSK125A x SFC25 - 115	178	115	58	60	25	44	53	M20	500	4.86
39216 - 130	HSK125A x SFC25 - 130	193	130	58	75	25	44	53	M20	500	5.09
39216 - 160	HSK125A x SFC25 - 160	223	160	58	75	25	44	53	M20	500	6.18
39216 - 200	HSK125A x SFC25 - 200	263	200	58	75	25	44	53	M20	500	7.60
39218	HSK125A x SFC32 - 120	183	120	58	65	32	44	53	M20	550	4.80

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66



HSK / SFC SHRINK FIT CHUCK

4.5°

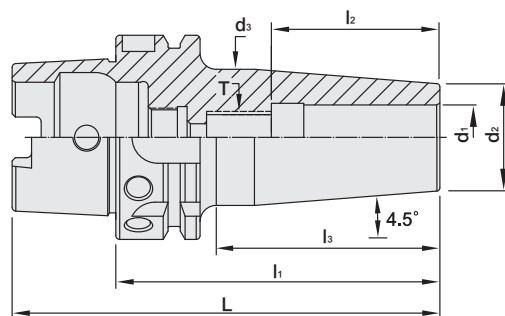
HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39002	HSK40A x SFC3/16" - 3.54"	4.33	3.54	0.79	2.55	0.1875	0.43	0.79	-	18	0.29
39004	HSK40A x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.41
39006	HSK40A x SFC5/16" - 3.54"	4.33	3.54	1.42	2.63	0.3125	0.79	1.06	M6	35	0.43
39008	HSK40A x SFC3/8" - 3.54"	4.33	3.54	1.53	2.67	0.375	0.94	1.26	M8	65	0.52
39010	HSK40A x SFC1/2" - 3.54"	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.58
39016	HSK50A x SFC3/16" - 3.54"	4.53	3.54	0.79	2.15	0.1875	0.43	0.76	M6	18	0.48
39018	HSK50A x SFC1/4" - 3.54"	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.58
39020	HSK50A x SFC5/16" - 3.54"	4.53	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.60
39022	HSK50A x SFC3/8" - 3.54"	4.53	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
39024	HSK50A x SFC1/2" - 3.54"	4.53	3.54	1.85	2.4	0.5	1.1	1.34	M10	110	0.74
39025	HSK50A x SFC5/8" - 3.54"	4.53	3.54	1.97	2.4	0.625	1.06	1.34	M12	200	0.69
39026	HSK50A x SFC3/4" - 3.94"	4.93	3.94	2.04	2.89	0.75	1.42	1.65	M16	320	0.91
39030	HSK63A x SFC3/16" - 3.94"	5.2	3.94	0.79	2.71	0.1875	0.43	0.79	M6	18	0.74
39032	HSK63A x SFC1/4" - 3.94"	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.88
39034	HSK63A x SFC5/16" - 3.94"	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.90
39036	HSK63A x SFC3/8" - 3.94"	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.00
39038	HSK63A x SFC1/2" - 3.94"	5.2	3.94	1.85	2.71	0.5	1.1	1.38	M10	110	1.08
39039	HSK63A x SFC5/8" - 3.94"	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.01
39040	HSK63A x SFC3/4" - 3.94"	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.25
39042	HSK63A x SFC1" - 3.94"	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit

P.W-66	P.W-88	P.W-66

HSK / SFC SHRINK FIT CHUCK

4.5°

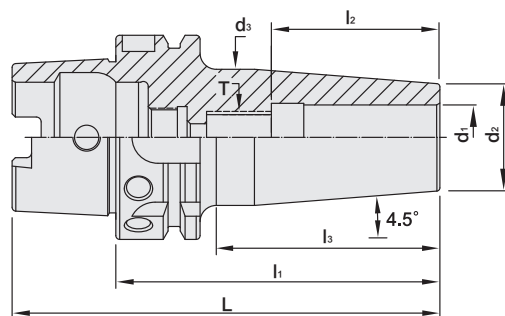
HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39306	HSK100A x SFC1/4" - 3.54"	5.51	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	2.17
39308	HSK100A x SFC5/16" - 3.35"	5.51	3.35	1.42	2	0.3125	0.79	1.06	M6	18	2.17
39310	HSK100A x SFC3/8" - 3.54"	5.51	3.54	1.53	2.2	0.375	0.94	1.26	M8	35	2.27
39314	HSK100A x SFC1/2" - 3.74"	5.71	3.74	1.85	2.4	0.5	1.1	1.34	M10	65	2.36
39318	HSK100A x SFC5/8" - 3.94"	5.91	3.94	1.97	2.59	0.625	1.06	1.34	M12	110	2.34
39320	HSK100A x SFC3/4" - 4.13"	6.1	4.13	2.04	2.79	0.75	1.42	1.65	M16	320	2.62
39324	HSK100A x SFC1" - 4.53"	6.5	4.53	2.28	3.18	1	2.09	1.81	M20	500	3.13
39326	HSK100A x SFC1-1/4" - 4.72"	6.69	4.72	2.28	3.18	1.25	2.09	1.81	M20	550	3.07
39362	HSK125A x SFC3/4" - 4.53"	7.01	4.53	2.04	2.36	0.75	1.42	1.65	M16	320	4.59
39364	HSK125A x SFC1" - 4.53"	7.01	4.53	2.28	2.36	1	1.81	2.09	M20	500	4.92
39366	HSK125A x SFC1-1/4" - 4.72"	7.2	4.72	2.28	2.56	1.25	1.81	2.09	M20	550	4.87
39368	HSK125A x SFC1-1/2" - 5.5"	7.98	5.5	2.28	3.33	1.5	1.81	2.09	M20	-	5.01
39370	HSK125A x SFC2" - 5.51"	7.99	5.51	2.6	3.34	2	2.72	3.11	M20	-	6.37

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66



HSK / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

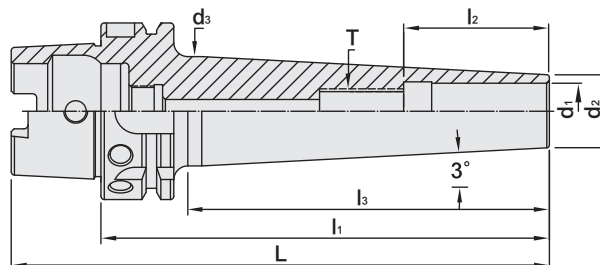
3°

HSK / SFCT 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082T - 120	HSK40A x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.30
39084T - 120	HSK40A x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.32
39086T - 120	HSK40A x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.34
39088T - 120	HSK40A x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.35
39090T - 120	HSK40A x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.40
39092T - 120	HSK40A x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.44
39094T - 120	HSK40A x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.47
39100T - 120	HSK50A x SFCT3 - 120	145	120	18	89	3	9	18	-	18	0.49
39102T - 120	HSK50A x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.49
39104T - 120	HSK50A x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.51
39106T - 120	HSK50A x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.53
39108T - 120	HSK50A x SFCT8 - 120	145	120	36	83	8	14	24	M6	35	0.57
39110T - 120	HSK50A x SFCT10 - 120	145	120	42	83	10	16	26	M8	65	0.60
39112T - 120	HSK50A x SFCT12 - 120	145	120	47	83	12	18	28	M10	110	0.64
39114T - 120	HSK50A x SFCT14 - 120	145	120	47	83	14	20	30	M10	150	0.68
39116T - 120	HSK50A x SFCT16 - 120	145	120	50	83	16	22	32	M12	200	0.71
39118T - 120	HSK50A x SFCT18 - 120	145	120	52	89	18	24	32	M12	250	0.74
39121T	HSK50A x SFCT20 - 160	185	160	52	129	20	26	35	M16	320	1.07
39123T	HSK50A x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.26

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
		
P.W-66	P.W-88	P.W-66

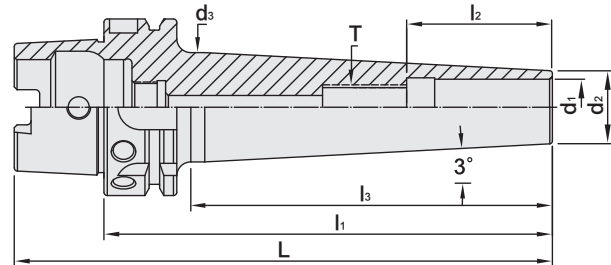
HSK / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130T - 120	HSK63A x SFCT3 - 120	152	120	18	84	3	9	18	-	18	0.73
39131T	HSK63A x SFCT3 - 160	192	160	18	129	3	9	20	-	18	0.81
39132T - 120	HSK63A x SFCT4 - 120	152	120	20	89	4	10	18	-	18	0.75
39133T	HSK63A x SFCT4 - 160	192	160	20	129	4	10	20	-	18	0.85
39134T - 120	HSK63A x SFCT5 - 120	152	120	20	91	5	11	20	M6	18	0.76
39135T	HSK63A x SFCT5 - 160	192	160	20	123	5	11	25	-	18	0.87
39136T - 120	HSK63A x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.78
39137T	HSK63A x SFCT6 - 160	192	160	36	124	6	12	25	M5	18	0.92
39138T - 120	HSK63A x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.82
39139T	HSK63A x SFCT8 - 160	192	160	36	122	8	14	29	M6	35	0.97
39140T - 120	HSK63A x SFCT10 - 120	152	120	42	78	10	16	26	M8	65	0.86
39141T	HSK63A x SFCT10 - 160	192	160	42	122	10	16	31	M8	65	1.04
39142T - 120	HSK63A x SFCT12 - 120	152	120	47	78	12	18	28	M10	110	0.89
39143T	HSK63A x SFCT12 - 160	192	160	47	122	12	18	33	M10	110	1.10
39144T - 120	HSK63A x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.93
39145T	HSK63A x SFCT14 - 160	192	160	47	122	14	20	35	M10	150	1.17
39146T - 120	HSK63A x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	0.96
39147T	HSK63A x SFCT16 - 160	192	160	50	122	16	22	37	M12	200	1.23
39148T - 120	HSK63A x SFCT18 - 120	152	120	50	89	18	24	32	M12	250	1.00
39149T	HSK63A x SFCT18 - 160	192	160	50	122	18	24	39	M12	250	1.31
39151T	HSK63A x SFCT20 - 160	192	160	52	129	20	26	39	M16	320	1.37
39153T	HSK63A x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.55
39155T	HSK63A x SFCT32 - 160	192	160	58	129	32	38	49	M20	550	1.85

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
P.W-66	P.W-88	P.W-66

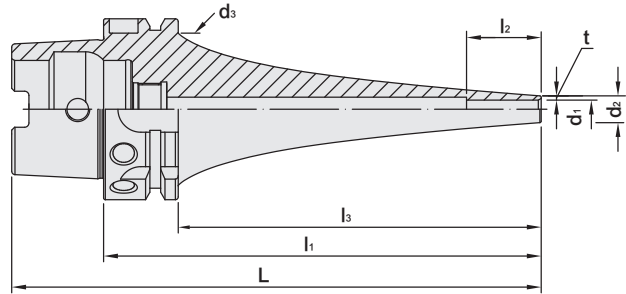


HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
73.768.04.150	HSK63A x SFC4 - 150CUL	175	150	10	124	4	10	53	3	0.9
73.768.04.200	HSK63A x SFC4 - 200CUL	225	200	10	174	4	10	53	3	1.1
73.768.04.250	HSK63A x SFC4 - 250CUL	275	250	10	224	4	10	53	3	1.6
73.768.04.300	HSK63A x SFC4 - 300CUL	325	300	10	274	4	10	53	3	2.3
73.768.06.150	HSK63A x SFC6 - 150CUL	175	150	26	124	6	13	53	3.5	1.3
73.768.06.200	HSK63A x SFC6 - 200CUL	225	200	26	174	6	13	53	3.5	1.4
73.768.06.250	HSK63A x SFC6 - 250CUL	275	250	26	224	6	13	53	3.5	1.8
73.768.06.300	HSK63A x SFC6 - 300CUL	325	300	26	274	6	13	53	3.5	2.3
73.768.08.150	HSK63A x SFC8 - 150CUL	175	150	26	124	8	16	53	4	1.4
73.768.08.200	HSK63A x SFC8 - 200CUL	225	200	26	174	8	16	53	4	1.6
73.768.08.250	HSK63A x SFC8 - 250CUL	275	250	26	224	8	16	53	4	1.9
73.768.08.300	HSK63A x SFC8 - 300CUL	325	300	26	274	8	16	53	4	2.3
73.768.10.150	HSK63A x SFC10 - 150CUL	175	150	32	124	10	19	53	4.5	1.3
73.768.10.200	HSK63A x SFC10 - 200CUL	225	200	32	174	10	19	53	4.5	1.6
73.768.10.250	HSK63A x SFC10 - 250CUL	275	250	32	224	10	19	53	4.5	2.1
73.768.10.300	HSK63A x SFC10 - 300CUL	325	300	32	274	10	19	53	4.5	2.3
73.768.12.150	HSK63A x SFC12 - 150CUL	175	150	37	124	12	22	53	5	1.5
73.768.12.200	HSK63A x SFC12 - 200CUL	225	200	37	174	12	22	53	5	1.6
73.768.12.250	HSK63A x SFC12 - 250CUL	275	250	37	224	12	22	53	5	2.3
73.768.12.300	HSK63A x SFC12 - 300CUL	325	300	37	274	12	22	53	5	2.5
75.768.12.300	HSK100A x SFC12 - 300CUL	350	300	37	271	12	22	85	5	4.8

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-66

P.W-88

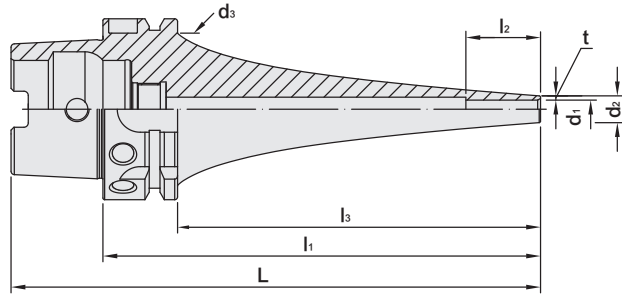
P.W-66

HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
75.768.04.150	HSK100A x SFC4 - 150CUL	200	150	10	121	4	10	85	3	3.6
75.768.04.200	HSK100A x SFC4 - 200CUL	250	200	10	171	4	10	85	3	4.1
75.768.04.250	HSK100A x SFC4 - 250CUL	300	250	10	221	4	10	85	3	4.5
75.768.04.300	HSK100A x SFC4 - 300CUL	350	300	10	271	4	10	85	3	4.8
75.768.06.150	HSK100A x SFC6 - 150CUL	200	150	26	121	6	13	85	3.5	6.6
75.768.06.200	HSK100A x SFC6 - 200CUL	250	200	26	171	6	13	85	3.5	4.7
75.768.06.250	HSK100A x SFC6 - 250CUL	300	250	26	221	6	13	85	3.5	5.4
75.768.06.300	HSK100A x SFC6 - 300CUL	350	300	26	271	6	13	85	3.5	6.1
75.768.08.150	HSK100A x SFC8 - 150CUL	200	150	26	121	8	16	85	4	6.5
75.768.08.200	HSK100A x SFC8 - 200CUL	250	200	26	171	8	16	85	4	6.9
75.768.08.250	HSK100A x SFC8 - 250CUL	300	250	26	221	8	16	85	4	4.6
75.768.08.300	HSK100A x SFC8 - 300CUL	350	300	26	271	8	16	85	4	4.9
75.768.10.150	HSK100A x SFC10 - 150CUL	200	150	32	121	10	19	85	4.5	3.5
75.768.10.200	HSK100A x SFC10 - 200CUL	250	200	32	171	10	19	85	4.5	4.1
75.768.10.250	HSK100A x SFC10 - 250CUL	300	250	32	221	10	19	85	4.5	4.9
75.768.10.300	HSK100A x SFC10 - 300CUL	350	300	32	271	10	19	85	4.5	5.2
75.768.12.150	HSK100A x SFC12 - 150CUL	200	150	37	121	12	22	85	5	3.6
75.768.12.200	HSK100A x SFC12 - 200CUL	250	200	37	171	12	22	85	5	4.4
75.768.12.250	HSK100A x SFC12 - 250CUL	300	250	37	221	12	22	85	5	4.6
75.768.12.300	HSK100A x SFC12 - 300CUL	350	300	37	271	12	22	85	5	4.8

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
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Product information:

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Coolant Supply Unit Preset Screw Key For Coolant Supply Unit

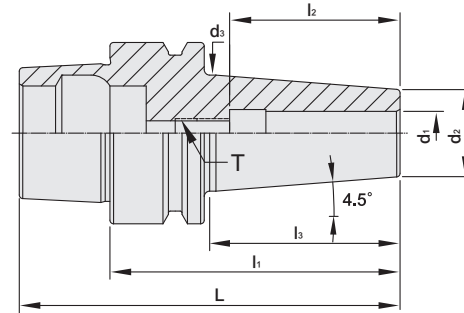


HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39044 - E	HSK25E x SFC3 - 50	63	50	18	37	3	9	13	-	18	0.07
39046 - E	HSK25E x SFC4 - 50	63	50	20	38	4	10	16.079	-	18	0.08
39048 - E	HSK25E x SFC5 - 50	63	50	20	39	5	16	20	-	18	0.12
39052 - E	HSK32E x SFC3 - 50	66	50	18	27	3	9	13.287	-	18	0.14
39052 - 60 - E	HSK32E x SFC3 - 60	76	60	18	35.3	3	10	15.5	-	18	0.16
39054 - E	HSK32E x SFC4 - 50	66	50	20	27	4	10	14.287	-	18	0.14
39054 - 60 - E	HSK32E x SFC4 - 60	76	60	20	35.3	4	10	15.5	-	18	0.16
39056 - E	HSK32E x SFC5 - 50	66	50	20	29	5	16	20	-	18	0.17
39056 - 60 - E	HSK32E x SFC5 - 60	76	60	20	35.3	5	10	15.5	-	18	0.16
39058 - E	HSK32E x SFC6 - 50	66	50	36	29	6	21	25	-	18	0.21
39058 - 70 - E	HSK32E x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.29
39060 - E	HSK32E x SFC8 - 60	76	60	36	39	8	21	26	M6	35	0.24
39060 - 70 - E	HSK32E x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.28
39062 - E	HSK32E x SFC10 - 60	76	60	42	39	10	21	26	M8	65	0.23
39062 - 80 - E	HSK32E x SFC10 - 80	96	80	42	50	10	24	32	M8	65	0.36
39064 - E	HSK32E x SFC12 - 70	86	70	47	49	12	21	26	M10	110	0.26

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88

HSK / SFC SHRINK FIT CHUCK

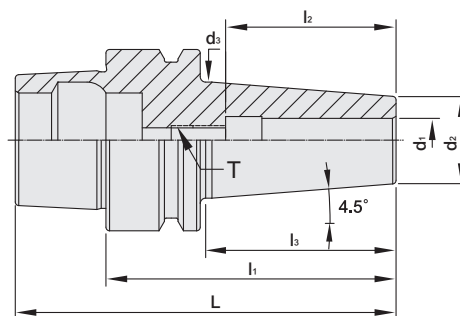
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



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 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082 - 50 - E	HSK40E x SFC3 - 50	70	50	18	25	3	9	12.997	-	18	0.22
39082 - 60 - E	HSK40E x SFC3 - 60	80	60	18	35.3	3	10	15.5	-	18	0.24
39082 - E	HSK40E x SFC3 - 80	100	80	18	49	3	9	18	-	18	0.27
39084 - 50 - E	HSK40E x SFC4 - 50	70	50	20	25	4	10	13.997	-	18	0.24
39084 - 60 - E	HSK40E x SFC4 - 60	80	60	20	35.3	4	10	15.5	-	18	0.24
39084 - E	HSK40E x SFC4 - 80	100	80	20	49	4	10	22	-	18	0.29
39086 - 50 - E	HSK40E x SFC5 - 50	70	50	20	25	5	16	19.997	-	18	0.26
39086 - 60 - E	HSK40E x SFC5 - 60	80	60	20	35.3	5	10	15.5	-	18	0.24
39086 - E	HSK40E x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.35
39088 - 50 - E	HSK40E x SFC6 - 50	70	50	36	29	6	21	25.577	-	18	0.30
39088 - 60 - E	HSK40E x SFC6 - 60	80	60	36	38	6	21	27	M5	18	0.32
39088 - E	HSK40E x SFC6 - 80	100	80	36	59	6	21	27	M5	18	0.43
39090 - 50 - E	HSK40E x SFC8 - 50	70	50	36	29	8	21	25.577	-	35	0.32
39090 - 60 - E	HSK40E x SFC8 - 60	80	60	36	38	8	21	27	M6	35	0.31
39090 - E	HSK40E x SFC8 - 80	100	80	36	59	8	21	27	M6	35	0.42
39092 - 60 - E	HSK40E x SFC10 - 60	80	60	42	38.1	10	24	30	M8	65	0.35
39092 - 80 - E	HSK40E x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.47
39092 - E	HSK40E x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.51
39094 - 60 - E	HSK40E x SFC12 - 60	80	60	47	38.1	12	24	30	M10	110	0.30
39094 - E	HSK40E x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.52
39096 - E	HSK40E x SFC14 - 60	80	60	47	40	14	27	34	M10	150	0.37
39096 - 90 - E	HSK40E x SFC14 - 90	110	90	47	70	14	27	34	M10	150	0.57
39098 - E	HSK40E x SFC16 - 60	80	60	50	40	16	27	34	M12	200	0.36
39098 - 90 - E	HSK40E x SFC16 - 90	110	90	50	70	16	27	34	M12	200	0.56

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



HSK / SFC SHRINK FIT CHUCK

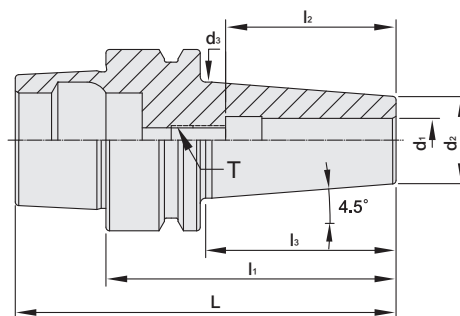
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - 60 - E	HSK50E x SFC3 - 60	80	60	18	24.7	3	10	13.9	M6	18	0.44
39100 - E	HSK50E x SFC3 - 80	105	80	18	42	3	9	18	M6	18	0.47
39102 - 60 - E	HSK50E x SFC4 - 60	80	60	20	24.7	4	10	13.9	M6	18	0.44
39102 - E	HSK50E x SFC4 - 80	105	80	20	49	4	10	17.7	M6	18	0.40
39104 - 60 - E	HSK50E x SFC5 - 60	80	60	20	24.7	5	10	13.9	M6	18	0.44
39104 - E	HSK50E x SFC5 - 80	105	80	20	49	5	16	22	M6	18	0.54
39106 - E	HSK50E x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.62
39106 - 130 - E	HSK50E x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.82
39108 - E	HSK50E x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.61
39108 - 130 - E	HSK50E x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.82
39110 - E	HSK50E x SFC10 - 80	105	80	42	52	10	24	32	M8	65	0.65
39110 - 85 - E	HSK50E x SFC10 - 85	110	85	42	57.5	10	24	32	M8	65	0.67
39110 - 130 - E	HSK50E x SFC10 - 130	155	130	42	99	10	24	32	M8	65	0.95
39112 - E	HSK50E x SFC12 - 80	105	80	47	52	12	24	32	M10	110	0.64
39112 - 90 - E	HSK50E x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.69
39112 - 130 - E	HSK50E x SFC12 - 130	155	130	47	99	12	24	32	M10	110	0.94
39114 - E	HSK50E x SFC14 - 90	115	90	47	59	14	24	32	M10	150	0.68
39114 - 130 - E	HSK50E x SFC14 - 130	155	130	47	130	14	27	34	M10	150	1.22
39116 - E	HSK50E x SFC16 - 95	120	95	50	67	16	27	34	M12	200	0.75
39116 - 130 - E	HSK50E x SFC16 - 130	155	130	50	130	16	27	34	M12	200	1.20
39118 - E	HSK50E x SFC18 - 95	120	95	50	68	18	33	42	M12	250	0.93
39120 - E	HSK50E x SFC20 - 100	125	100	52	73	20	33	42	M16	320	0.93
39122 - E	HSK50E x SFC25 - 115	140	115	47	88	25	44	53	M20	500	1.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88

HSK / SFC SHRINK FIT CHUCK

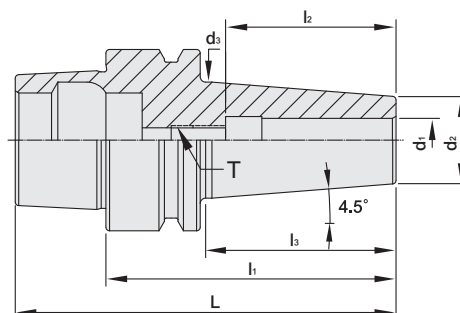
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



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 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130 - E	HSK63E x SFC3 - 80	112	80	18	49	3	9	15	M6	18	0.74
39132 - E	HSK63E x SFC4 - 80	112	80	20	44	4	10	17	M6	18	0.76
39134 - E	HSK63E x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.81
39136 - E	HSK63E x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.89
39138 - E	HSK63E x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.88
39140 - E	HSK63E x SFC10 - 85	117	85	42	57	10	24	32	M8	65	0.96
39142 - E	HSK63E x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.98
39144 - E	HSK63E x SFC14 - 90	122	90	47	59	14	24	32	M10	150	0.96
39146 - E	HSK63E x SFC16 - 95	127	95	50	64	16	27	34	M12	200	1.04
39148 - E	HSK63E x SFC18 - 95	127	95	52	64	18	33	42	M12	250	1.21
39150 - E	HSK63E x SFC20 - 100	132	100	58	69	20	33	42	M16	320	1.21
39152 - E	HSK63E x SFC25 - 115	147	115	58	88	25	44	53	M20	500	1.79

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
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Preset Screw



P.W-88

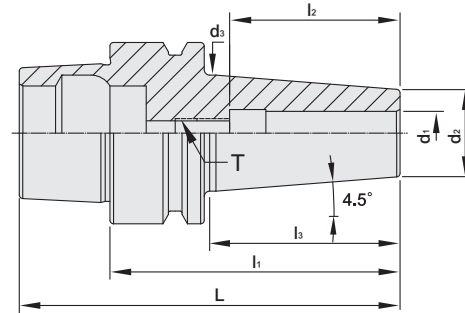


HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



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 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
38952 - E	HSK25E x SFC 1/8" - 1.97"	2.48	1.97	0.71	1.45	0.125	0.36	0.51	-	18	0.07
38954 - E	HSK25E x SFC 3/16" - 1.97"	2.48	1.97	0.79	1.12	0.1875	0.43	0.71	-	18	0.09
38956 - E	HSK25E x SFC 1/4" - 1.97"	2.48	1.97	0.79	1.49	0.25	0.55	0.71	-	18	0.10
38962 - E	HSK32E x SFC 1/8" - 1.97"	2.6	1.97	0.71	1.07	0.125	0.36	0.53	-	18	0.14
38964 - E	HSK32E x SFC 3/16" - 1.97"	2.6	1.97	0.79	1.07	0.1875	0.43	0.59	-	18	0.15
38966 - E	HSK32E x SFC 1/4" - 1.97"	2.6	1.97	1.42	1.07	0.25	0.71	0.88	-	18	0.19
38968 - E	HSK32E x SFC 5/16" - 2.36"	2.99	2.36	1.42	1.53	0.3125	0.79	1.02	-	35	0.23
38970 - E	HSK32E x SFC 3/8" - 2.36"	2.99	2.36	1.53	1.53	0.375	0.94	1.02	-	65	0.26
39002 - E	HSK40E x SFC 3/16" - 3.54"	4.33	3.54	0.79	2.67	0.1875	0.43	0.71	-	18	0.30
39004 - E	HSK40E x SFC 1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.43
39006 - E	HSK40E x SFC 5/16" - 3.54"	4.33	3.54	1.42	2.63	0.3125	0.83	1.06	M6	35	0.47
39008 - E	HSK40E x SFC 3/8" - 3.54"	4.33	3.54	1.65	2.71	0.375	0.94	1.26	M8	65	0.54
39010 - E	HSK40E x SFC 1/2" - 3.54"	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.62

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



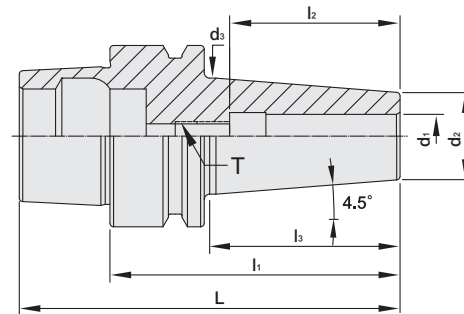
P.W-88

HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39014 - E	HSK50E x SFC1/8" - 3.15"	4.14	3.15	0.79	1.94	0.125	0.36	0.67	M6	18	0.51
39016 - E	HSK50E x SFC3/16" - 3.54"	4.53	3.54	0.79	2.33	0.1875	0.43	0.79	M6	18	0.51
39018 - E	HSK50E x SFC1/4" - 3.54"	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.61
39020 - E	HSK50E x SFC5/16" - 3.54"	4.53	3.54	1.42	2.4	0.3125	0.83	1.06	M6	35	0.65
39022 - E	HSK50E x SFC3/8" - 3.54"	4.53	3.54	1.65	2.4	0.375	0.94	1.26	M8	65	0.72
39024 - E	HSK50E x SFC1/2" - 3.54"	4.53	3.54	1.85	2.48	0.5	1.1	1.34	M10	110	0.77
39025 - E	HSK50E x SFC5/8" - 3.54"	4.53	3.54	1.97	2.44	0.625	1.06	1.34	M12	200	0.72
39026 - E	HSK50E x SFC3/4" - 3.94"	4.93	3.94	2.04	2.83	0.75	1.42	1.65	M16	320	1.04
39030 - E	HSK63E x SFC3/16" - 3.94"	5.2	3.94	0.79	2.71	0.1875	0.43	0.79	M6	18	0.81
39032 - E	HSK63E x SFC1/4" - 3.94"	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.93
39034 - E	HSK63E x SFC5/16" - 3.94"	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.96
39036 - E	HSK63E x SFC3/8" - 3.94"	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.06
39038 - E	HSK63E x SFC1/2" - 3.94"	5.2	3.94	1.85	2.71	0.5	1.1	1.34	M10	110	1.12
39039 - E	HSK63E x SFC5/8" - 3.94"	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.07
39040 - E	HSK63E x SFC3/4" - 3.94"	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.31
39042 - E	HSK63E x SFC1" - 3.94"	5.2	3.94	2.04	2.71	1	1.42	1.65	M20	500	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



HSK / SFCT SHRINK FIT CHUCK

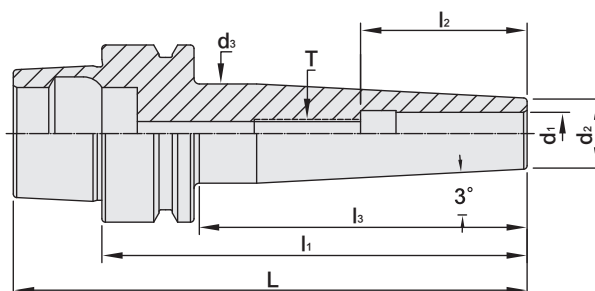
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39044T - 35 - E	HSK25E x SFCT3 - 35	48	35	18	21.2	3	9	11.2	-	18	0.05
39044T - 45 - E	HSK25E x SFCT3 - 45	58	45	18	31.2	3	9	12.2	-	18	0.06
39044T - 100 - E	HSK25E x SFCT3 - 100	113	100	18	79	3	9	18	-	18	0.14
39046T - 35 - E	HSK25E x SFCT4 - 35	48	35	20	21.2	4	10	12.4	-	18	0.05
39046T - 45 - E	HSK25E x SFCT4 - 45	58	45	20	33.1	4	10	13.4	-	18	0.06
39046T - 100 - E	HSK25E x SFCT4 - 100	113	100	20	88	4	10	18	-	18	0.15
39048T - 35 - E	HSK25E x SFCT5 - 35	48	35	20	23.1	5	11	13.4	-	18	0.05
39048T - 45 - E	HSK25E x SFCT5 - 45	58	45	20	33.1	5	11	14.4	-	18	0.06
39048T - 100 - E	HSK25E x SFCT5 - 100	113	100	20	79	5	11	20	-	18	0.17
39049T - 40 - E	HSK25E x SFCT6 - 40	53	40	27.5	28.1	6	12	14.9	-	18	0.06
39049T - 45 - E	HSK25E x SFCT6 - 45	58	45	27.5	33.1	6	12	15.4	-	18	0.07
39050T - 40 - E	HSK25E x SFCT8 - 40	53	40	27	28.1	8	14	16.9	-	35	0.07
39050T - 50 - E	HSK25E x SFCT8 - 50	63	50	27	39	8	14	18	-	35	0.08
39051T - 40 - E	HSK25E x SFCT10 - 40	53	40	26.5	29	10	16	18	-	65	0.07
39051T - 50 - E	HSK25E x SFCT10 - 50	63	50	26.5	39	10	16	18	-	65	0.09
39053T - 40 - E	HSK25E x SFCT12 - 40	53	40	26	30	12	18	20	-	110	0.08
39053T - 50 - E	HSK25E x SFCT12 - 50	63	50	35.5	40	12	18	20	-	110	0.09
39052T - 100 - E	HSK32E x SFCT3 - 100	116	100	18	69	3	9	18	-	18	0.22
39054T - 100 - E	HSK32E x SFCT4 - 100	116	100	20	69	4	10	18	-	18	0.21
39056T - 100 - E	HSK32E x SFCT5 - 100	116	100	20	69	5	11	20	-	18	0.23
39058T - 100 - E	HSK32E x SFCT6 - 100	116	100	36	78	6	12	20	M5	18	0.24
39060T - 100 - E	HSK32E x SFCT8 - 100	116	100	36	68	8	14	24	M6	35	0.27
39062T - 100 - E	HSK32E x SFCT10 - 100	116	100	42	68	10	16	26	M8	65	0.29
39064T - 100 - E	HSK32E x SFCT12 - 100	116	100	47	69	12	18	26	M10	110	0.31

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



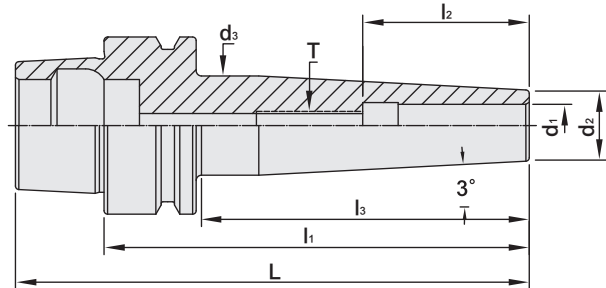
P.W-88

HSK / SFCT SHRINK FIT CHUCK

3°

HSK / SFCT 熱膨脹刀桿

[DIN 69893-5]



TW PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. U575564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082T - 60 - E	HSK40E x SFCT3 - 60	80	60	18	35.4	3	9	14.5	-	18	0.23
39082T - 70 - E	HSK40E x SFCT3 - 70	90	70	18	45.4	3	9	16.1	-	18	0.25
39082T - E	HSK40E x SFCT3 - 80	100	80	18	55.4	3	9	17.7	-	18	0.27
39082T - 120 - E	HSK40E x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.32
39084T - 60 - E	HSK40E x SFCT4 - 60	80	60	20	35.2	4	10	13.6	-	18	0.23
39084T - 70 - E	HSK40E x SFCT4 - 70	90	70	20	45.4	4	10	17.1	-	18	0.26
39084T - E	HSK40E x SFCT4 - 80	100	80	20	55.2	4	10	15.7	-	18	0.28
39084T - 120 - E	HSK40E x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.34
39086T - 60 - E	HSK40E x SFCT5 - 60	80	60	20	35.2	5	11	16.5	-	18	0.25
39086T - 70 - E	HSK40E x SFCT5 - 70	90	70	20	45.4	5	11	18.1	-	18	0.27
39086T - E	HSK40E x SFCT5 - 80	100	80	20	55.2	5	11	19.7	-	18	0.29
39086T - 120 - E	HSK40E x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.36
39088T - 60 - E	HSK40E x SFCT6 - 60	80	60	36	35.4	6	12	17.5	M5	18	0.25
39088T - 70 - E	HSK40E x SFCT6 - 70	90	70	36	45.4	6	12	19.1	M5	18	0.27
39088T - E	HSK40E x SFCT6 - 80	100	80	36	55.4	6	12	20.7	M5	18	0.29
39088T - 120 - E	HSK40E x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.37
39090T - 60 - E	HSK40E x SFCT8 - 60	80	60	36	35.4	8	14	19.5	M6	35	0.27
39090T - 70 - E	HSK40E x SFCT8 - 70	90	70	36	45.4	8	14	21.1	M6	35	0.29
39090T - E	HSK40E x SFCT8 - 80	100	80	36	55.4	8	14	22.7	M6	35	0.31
39090T - 120 - E	HSK40E x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.41
39092T - 60 - E	HSK40E x SFCT10 - 60	80	60	42	35.4	10	16	21.5	M8	65	0.29
39092T - 70 - E	HSK40E x SFCT10 - 70	90	70	42	45.4	10	16	23.1	M8	65	0.31
39092T - E	HSK40E x SFCT10 - 80	100	80	42	55.4	10	16	24.7	M8	65	0.33
39092T - 120 - E	HSK40E x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.45
39094T - 60 - E	HSK40E x SFCT12 - 60	80	60	47	39.1	12	18	24.1	M10	110	0.27
39094T - 70 - E	HSK40E x SFCT12 - 70	90	70	47	49.1	12	18	25.7	M10	110	0.32
39094T - E	HSK40E x SFCT12 - 80	100	80	47	59.1	12	18	27.3	M10	110	0.34
39094T - 120 - E	HSK40E x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.49

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



HSK / SFCT SHRINK FIT CHUCK

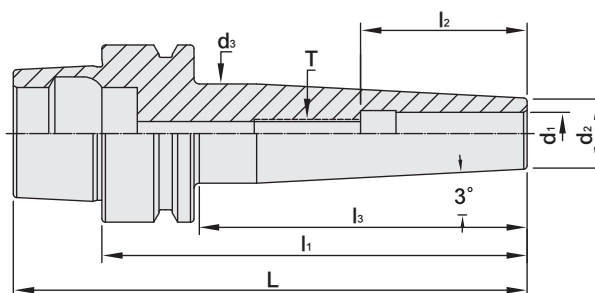
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100T - 70 - E	HSK50E x SFCT3 - 70	95	70	19	34.5	3	9	12.6	M6	18	0.44
39100T - E	HSK50E x SFCT3 - 80	105	80	19	44.5	3	9	13.6	M6	18	0.46
39100T - 120 - E	HSK50E x SFCT3 - 120	145	120	20	89	3	9	18	-	18	0.51
39102T - 70 - E	HSK50E x SFCT4 - 70	95	70	22	34.5	4	10	13.6	M6	18	0.45
39102T - E	HSK50E x SFCT4 - 80	105	80	22	44.5	4	10	14.6	M6	18	0.46
39102T - 120 - E	HSK50E x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.53
39104T - 70 - E	HSK50E x SFCT5 - 70	95	70	25	34.5	5	11	14.6	M6	18	0.45
39104T - E	HSK50E x SFCT5 - 80	105	80	25	44.5	5	11	15.6	M6	18	0.47
39104T - 100 - E	HSK50E x SFCT5 - 100	125	100	25	64.5	5	11	17.7	M6	18	0.51
39104T - 120 - E	HSK50E x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.55
39106T - 70 - E	HSK50E x SFCT6 - 70	95	70	36	34.5	6	12	15.6	M5	18	0.46
39106T - E	HSK50E x SFCT6 - 80	105	80	36	44.5	6	12	16.6	M5	18	0.48
39106T - 100 - E	HSK50E x SFCT6 - 100	125	100	36	64.5	6	12	18.7	M5	18	0.52
39106T - 120 - E	HSK50E x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.56
39108T - 70 - E	HSK50E x SFCT8 - 70	95	70	36	34.5	8	14	17.6	M6	35	0.47
39108T - E	HSK50E x SFCT8 - 80	105	80	36	44.5	8	14	18.6	M6	35	0.49
39108T - 100 - E	HSK50E x SFCT8 - 100	125	100	36	64.5	8	14	20.7	M6	35	0.54
39108T - 120 - E	HSK50E x SFCT8 - 120	145	120	36	78	8	14	24	M6	35	0.61
39110T - 70 - E	HSK50E x SFCT10 - 70	95	70	42	35.9	10	16	19.8	M8	65	0.48
39110T - E	HSK50E x SFCT10 - 80	105	80	42	46.4	10	16	20.8	M8	65	0.50
39110T - 100 - E	HSK50E x SFCT10 - 100	125	100	42	66.4	10	16	22.9	M8	65	0.57
39110T - 120 - E	HSK50E x SFCT10 - 120	145	120	42	78	10	16	26	M8	65	0.64
39112T - 70 - E	HSK50E x SFCT12 - 70	95	70	47	35.7	12	18	21.8	M10	110	0.48
39112T - E	HSK50E x SFCT12 - 80	105	80	47	46.4	12	18	22.8	M10	110	0.51
39112T - 100 - E	HSK50E x SFCT12 - 100	125	100	47	66.4	12	18	24.9	M10	110	0.59
39112T - 120 - E	HSK50E x SFCT12 - 120	145	120	47	78	12	18	28	M10	110	0.67
39114T - 120 - E	HSK50E x SFCT14 - 120	145	120	47	78	14	20	30	M10	150	0.72
39116T - 120 - E	HSK50E x SFCT16 - 120	145	120	50	78	16	22	32	M12	200	0.75
39118T - 120 - E	HSK50E x SFCT18 - 120	145	120	52	91	18	24	32	M12	250	0.77
39121T - E	HSK50E x SFCT20 - 160	185	160	52	131	20	26	35	M16	320	1.10
39123T - E	HSK50E x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.30

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



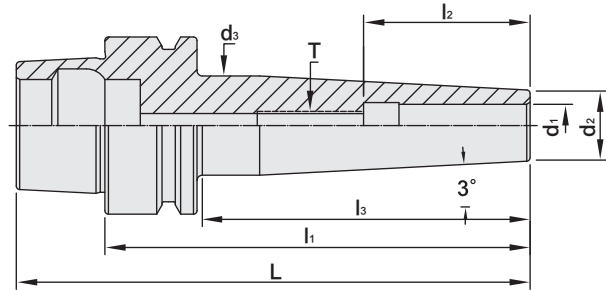
P.W-88

HSK / SFCT SHRINK FIT CHUCK

3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130T - 120 - E	HSK63E x SFCT3 - 120	152	160	18	91	3	9	18	-	18	0.79
39132T - 120 - E	HSK63E x SFCT4 - 120	152	120	20	91	4	10	18	-	18	0.80
39134T - 120 - E	HSK63E x SFCT5 - 120	152	120	20	91	5	11	20	-	18	0.81
39136T - 120 - E	HSK63E x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.83
39138T - 120 - E	HSK63E x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.87
39140T - 120 - E	HSK63E x SFCT10 - 120	152	120	42	83	10	16	26	M8	65	0.91
39142T - 120 - E	HSK63E x SFCT12 - 120	152	120	47	83	12	18	28	M10	110	0.94
39144T - 120 - E	HSK63E x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.98
39146T - 120 - E	HSK63E x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	1.02
39148T - 120 - E	HSK63E x SFCT18 - 120	152	120	52	89	18	24	32	M12	250	1.05
39151T - E	HSK63E x SFCT20 - 160	192	160	58	129	20	26	39	M16	320	1.41
39153T - E	HSK63E x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.60

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88

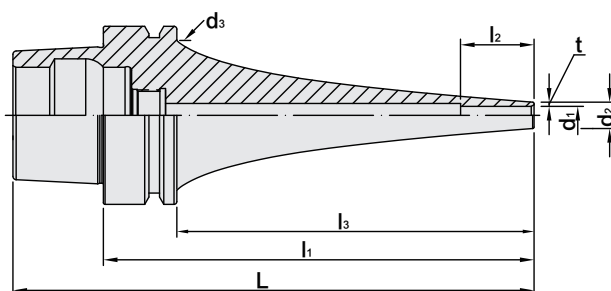


HSK / SFC-CUL SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
100.768.04.150	HSK50E x SFC4 - 150CUL	175	150	10	124	4	10	42	3	0.8
100.768.06.150	HSK50E x SFC6 - 150CUL	175	150	26	124	6	13	42	3.5	0.9
100.768.08.150	HSK50E x SFC8 - 150CUL	175	150	26	124	8	16	42	4	0.9
100.768.10.150	HSK50E x SFC10 - 150CUL	175	150	32	124	10	19	42	4.5	0.9

МАШСЕРВИС

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw



P.W-88

HSK / SFC SHRINK FIT CHUCK

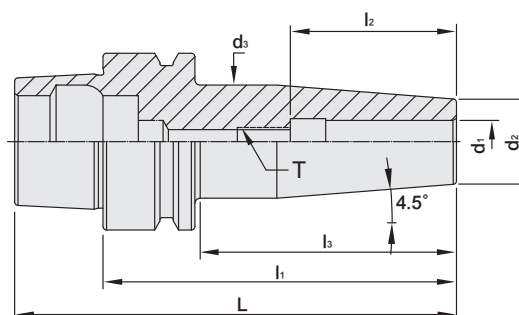
4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-6]



TW PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - F	HSK50F x SFC3 - 80	100	80	18	49	3	9	16.78	-	18	0.45
39102 - F	HSK50F x SFC4 - 80	100	80	20	49	4	10	17.78	-	18	0.45
39104 - F	HSK50F x SFC5 - 80	100	80	20	49	5	16	22	-	18	0.52
39106 - F	HSK50F x SFC6 - 80	100	80	36	49	6	21	27	M5	18	0.59
39108 - F	HSK50F x SFC8 - 80	100	80	36	49	8	21	27	M6	35	0.58
39110 - F	HSK50F x SFC10 - 85	105	85	42	54	10	24	32	M8	65	0.66
39112 - F	HSK50F x SFC12 - 90	110	90	47	59	12	24	32	M10	110	0.67
39114 - F	HSK50F x SFC14 - 90	110	90	47	59	14	24	32	M10	150	0.66
39116 - F	HSK50F x SFC16 - 95	115	95	50	67	16	27	34	M12	200	0.73
39118 - F	HSK50F x SFC18 - 95	115	95	50	68	18	33	42	M12	250	0.90
39120 - F	HSK50F x SFC20 - 100	120	100	52	73	20	33	42	M16	320	0.91

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88

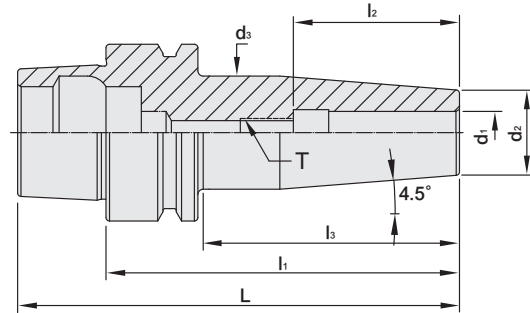


HSK / SFC SHRINK FIT CHUCK

4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130 - F	HSK63F x SFC3 - 80	105	80	18	45	3	9	18	-	18	0.69
39132 - F	HSK63F x SFC4 - 80	105	80	20	44	4	10	17.05	-	18	0.71
39134 - F	HSK63F x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.77
39136 - F	HSK63F x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.84
39136 - 130 - F	HSK63F x SFC6 - 130	155	130	36	94	6	21	27	M5	18	1.04
39138 - F	HSK63F x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.83
39138 - 130 - F	HSK63F x SFC8 - 130	155	130	36	94	8	21	27	M6	35	1.03
39140 - 80 - F	HSK63F x SFC10 - 80	105	80	42	49	10	24	31.7	M8	65	0.90
39140 - F	HSK63F x SFC10 - 85	110	85	42	57	10	24	32	M8	65	0.91
39140 - 130 - F	HSK63F x SFC10 - 130	155	130	42	94	10	24	32	M8	65	1.15
39142 - F	HSK63F x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.93
39142 - 130 - F	HSK63F x SFC12 - 130	155	130	47	94	12	24	32	M10	65	1.13
39144 - F	HSK63F x SFC14 - 90	115	90	47	59	14	27	34	M10	150	0.97
39146 - F	HSK63F x SFC16 - 95	120	95	50	64	16	27	34	M12	200	0.98
39146 - 130 - F	HSK63F x SFC16 - 130	155	130	50	89	16	27	34	M12	200	1.18
39148 - F	HSK63F x SFC18 - 95	120	95	50	64	18	33	42	M12	250	1.16
39150 - F	HSK63F x SFC20 - 100	125	100	52	71	20	33	42	M16	320	1.16
39150 - 130 - F	HSK63F x SFC20 - 130	155	130	52	89	20	33	42	M16	320	1.45
39152 - F	HSK63F x SFC25 - 115	140	115	58	88	25	44	53	M20	500	1.74
39152 - 130 - F	HSK63F x SFC25 - 130	155	130	58	104	25	44	53	M20	500	1.98
39154 - F	HSK63F x SFC32 - 120	145	120	58	93	32	44	53	M20	550	1.68

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



HSK / SFC SHRINK FIT CHUCK

4.5°

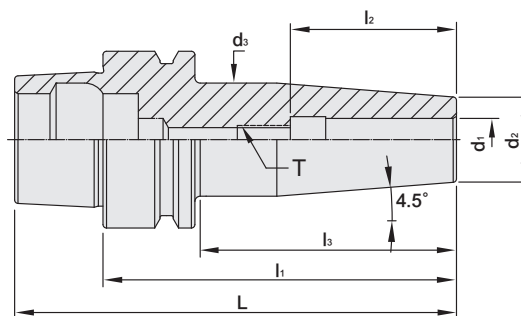
HSK / SFC 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39016 - F	HSK50F x SFC3/16" - 3.54"	4.33	3.54	0.79	2.34	0.1875	0.43	0.79	-	18	0.48
39018 - F	HSK50F x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.59
39020 - F	HSK50F x SFC5/16" - 3.54"	4.33	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.61
39022 - F	HSK50F x SFC3/8" - 3.54"	4.33	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
39024 - F	HSK50F x SFC1/2" - 3.54"	4.33	3.54	1.85	2.32	0.5	1.1	1.34	M10	110	0.75
39025 - F	HSK50F x SFC5/8" - 3.54"	4.33	3.54	1.97	2.32	0.625	1.06	1.34	M12	200	0.70
39026 - F	HSK50F x SFC3/4" - 3.94"	4.73	3.94	2.04	2.87	0.75	1.26	1.65	M16	320	0.90
39030 - F	HSK63F x SFC3/16" - 3.94"	4.92	3.94	0.79	2.73	0.1875	0.43	0.85	-	18	0.76
39032 - F	HSK63F x SFC1/4" - 3.94"	4.92	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.89
39034 - F	HSK63F x SFC5/16" - 3.94"	4.92	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.91
39036 - F	HSK63F x SFC3/8" - 3.94"	4.92	3.94	1.65	2.83	0.375	0.94	1.26	M8	65	1.00
39038 - F	HSK63F x SFC1/2" - 3.94"	4.92	3.94	1.85	2.79	0.5	1.1	1.38	M10	110	1.68
39039 - F	HSK63F x SFC5/8" - 3.94"	4.92	3.94	1.97	2.79	0.625	1.06	1.34	M12	200	1.02
39040 - F	HSK63F x SFC3/4" - 3.94"	4.92	3.94	2.04	2.79	0.75	1.26	1.65	M16	320	1.15
39042 - F	HSK63F x SFC1" - 3.94"	4.92	3.94	2.28	2.72	1	1.42	1.65	M20	500	1.12

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



HSK / SFCT SHRINK FIT CHUCK

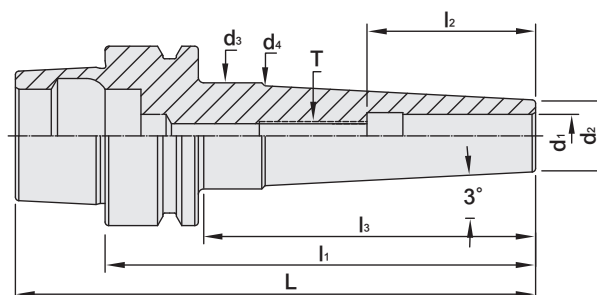
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
39100T - 120 - F	HSK50F x SFCT3 - 120	140	120	18	89	3	9	18	-	-	18	0.50
39102T - 120 - F	HSK50F x SFCT4 - 120	140	120	20	89	4	10	18	-	-	18	0.51
39104T - 120 - F	HSK50F x SFCT5 - 120	140	120	20	89	5	11	20	-	-	18	0.53
39106T - 120 - F	HSK50F x SFCT6 - 120	140	120	36	89	6	12	20	-	M5	18	0.54
39108T - 120 - F	HSK50F x SFCT8 - 120	140	120	36	83	8	14	24	22.7	M6	35	0.58
39110T - 120 - F	HSK50F x SFCT10 - 120	140	120	42	83	10	16	26	24.7	M8	65	0.61
39112T - 120 - F	HSK50F x SFCT12 - 120	140	120	47	83	12	18	28	26.7	M10	110	0.65
39114T - 120 - F	HSK50F x SFCT14 - 120	140	120	47	83	14	20	30	28.7	M10	150	0.69
39116T - 120 - F	HSK50F x SFCT16 - 120	140	120	50	83	16	22	32	30.7	M12	200	0.72
39118T - 120 - F	HSK50F x SFCT18 - 120	140	120	50	89	18	24	32	-	M12	250	0.76
39121T - F	HSK50F x SFCT20 - 160	180	160	52	129	20	26	35	-	M16	320	1.10
39130T - 120 - F	HSK63F x SFCT3 - 120	145	120	18	84	3	9	17.86	-	-	18	0.75
39132T - 120 - F	HSK63F x SFCT4 - 120	145	120	20	89	4	10	18	-	-	18	0.76
39134T - 120 - F	HSK63F x SFCT5 - 120	145	120	20	89	5	11	20	-	-	18	0.78
39136T - 120 - F	HSK63F x SFCT6 - 120	145	120	36	89	6	12	20	-	M5	18	0.79
39138T - 120 - F	HSK63F x SFCT8 - 120	145	120	36	78	8	14	24	22.2	M6	35	0.84
39140T - 120 - F	HSK63F x SFCT10 - 120	145	120	42	84	10	16	24.86	-	M8	65	0.88
39142T - 120 - F	HSK63F x SFCT12 - 120	145	120	47	83	12	18	28	26.7	M10	110	0.90
39144T - 120 - F	HSK63F x SFCT14 - 120	145	120	47	83	14	20	30	28.7	M10	150	0.94
39146T - 120 - F	HSK63F x SFCT16 - 120	145	120	52	83	16	22	32	30.7	M12	200	0.97
39148T - 120 - F	HSK63F x SFCT18 - 120	145	120	47	89	18	24	32	-	M12	250	1.02
39151T - F	HSK63F x SFCT20 - 160	185	160	47	129	20	26	35	-	M16	320	1.35
39153T - F	HSK63F x SFCT25 - 160	185	160	58	129	25	31	40	-	M20	500	1.50
39155T - F	HSK63F x SFCT32 - 160	185	160	58	129	32	38	49	-	M20	550	1.86

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



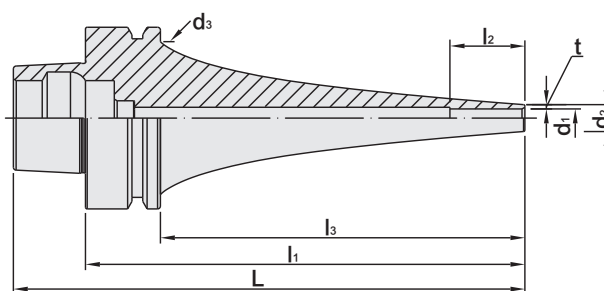
P.W-88

HSK / SFC-CUL SHRINK FIT CHUCK

CUL TYPE



HSK / SFC-CUL 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
103.768.04.150	HSK63F x SFC4 - 150CUL	175	150	10	124	4	10	53	3	1.1
103.768.04.200	HSK63F x SFC4 - 200CUL	225	200	10	174	4	10	53	3	1.5
103.768.04.250	HSK63F x SFC4 - 250CUL	275	250	10	224	4	10	53	3	1.7
103.768.06.150	HSK63F x SFC6 - 150CUL	175	150	26	124	6	13	53	3.5	1.3
103.768.06.200	HSK63F x SFC6 - 200CUL	225	200	26	174	6	13	53	3.5	1.5
103.768.06.250	HSK63F x SFC6 - 250CUL	275	250	26	224	6	13	53	3.5	2.0
103.768.08.150	HSK63F x SFC8 - 150CUL	175	150	26	124	8	16	53	4	1.4
103.768.08.200	HSK63F x SFC8 - 200CUL	225	200	26	174	8	16	53	4	1.6
103.768.08.250	HSK63F x SFC8 - 250CUL	275	250	26	224	8	16	53	4	1.8
103.768.10.150	HSK63F x SFC10 - 150CUL	175	150	32	124	10	19	53	4.5	1.4
103.768.10.200	HSK63F x SFC10 - 200CUL	225	200	32	174	10	19	53	4.5	1.6
103.768.10.250	HSK63F x SFC10 - 250CUL	275	250	32	224	10	19	53	4.5	2.1
103.768.12.150	HSK63F x SFC12 - 150CUL	175	150	37	124	12	22	53	5	1.5
103.768.12.200	HSK63F x SFC12 - 200CUL	225	200	37	174	12	22	53	5	1.7
103.768.12.250	HSK63F x SFC12 - 250CUL	275	250	37	224	12	22	53	5	1.9

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw



P.W-88



PSC / SFC SHRINK FIT CHUCK

4.5°

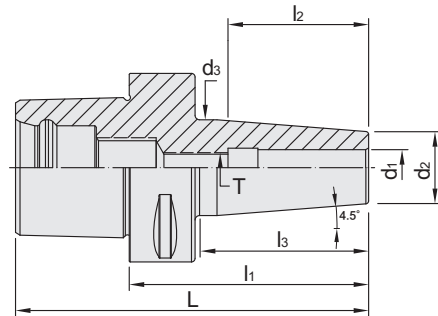


T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

PSC / SFC 熱膨脹刀桿



台灣精品 2012
 TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
140.651.06.060	PSC32 x SFC6 - 60	79	60	36	40	6	12	18	M5	0.17
140.651.08.107	PSC32 x SFC8 - 107	126	107	36	61	8	20	26	M6	0.43
140.651.10.095	PSC32 x SFC10 - 95	114	95	42	81	10	24	32	M8	0.50
140.651.12.084	PSC32 x SFC12 - 84	103	84	47	69	12	24	32	M10	0.41
141.651.06.075	PSC40 x SFC6 - 75	99	75	36	53	6	20	26	M5	0.40
141.651.08.075	PSC40 x SFC8 - 75	99	75	36	53	8	20	26	M6	0.40
141.651.10.075	PSC40 x SFC10 - 75	99	75	42	54	10	24	32	M8	0.50
141.651.12.075	PSC40 x SFC12 - 75	99	75	47	54	12	24	32	M10	0.50
141.651.14.080	PSC40 x SFC14 - 80	104	80	47	59	14	27	34	M10	0.60
141.651.16.080	PSC40 x SFC16 - 80	104	80	50	59	16	27	34	M12	0.50
141.651.18.080	PSC40 x SFC18 - 80	104	80	52	59	18	33	42	M12	0.70
141.651.20.085	PSC40 x SFC20 - 85	109	85	52	64	20	33	42	M16	0.70
142.651.06.075	PSC50 x SFC6 - 75	105	75	36	53	6	20	26	M5	0.60
142.651.08.075	PSC50 x SFC8 - 75	105	75	36	53	8	20	26	M6	0.60
142.651.10.075	PSC50 x SFC10 - 75	105	75	42	54	10	24	32	M8	0.70
142.651.12.075	PSC50 x SFC12 - 75	105	75	47	59	12	24	32	M10	0.60
142.651.14.080	PSC50 x SFC14 - 80	110	80	47	59	14	27	34	M10	0.70
142.651.16.080	PSC50 x SFC16 - 80	110	80	50	59	16	27	34	M12	0.70
142.651.18.080	PSC50 x SFC18 - 80	110	80	52	59	18	33	42	M12	0.80
142.651.20.085	PSC50 x SFC20 - 85	115	85	52	64	20	33	42	M16	0.90
142.651.25.090	PSC50 x SFC25 - 90	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



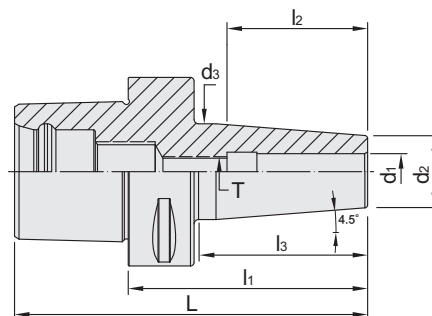
P.W-88

PSC / SFC SHRINK FIT CHUCK

4.5°

PSC / SFC 熱膨脹刀桿

台灣精品 2012
TAIWAN EXCELLENCE



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. U575564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
143.651.06.080	PSC63 x SFC6 - 80	118	80	36	53	6	20	26	M5	1.00
143.651.08.080	PSC63 x SFC8 - 80	118	80	36	53	8	20	26	M6	0.90
143.651.10.080	PSC63 x SFC10 - 80	118	80	42	53	10	24	32	M8	1.00
143.651.12.080	PSC63 x SFC12 - 80	118	80	47	56	12	24	32	M10	1.00
143.651.14.085	PSC63 x SFC14 - 85	123	85	47	58	14	27	34	M10	1.10
143.651.16.085	PSC63 x SFC16 - 85	123	85	50	58	16	27	34	M12	1.10
143.651.18.085	PSC63 x SFC18 - 85	123	85	52	58	18	33	42	M12	1.30
143.651.20.085	PSC63 x SFC20 - 85	123	85	52	58	20	33	42	M16	1.20
143.651.25.090	PSC63 x SFC25 - 90	128	90	58	66	25	44	53	M20	1.50
143.651.32.095	PSC63 x SFC32 - 95	133	95	58	71	32	44	53	M20	1.50
144.651.10.090	PSC80 x SFC10 - 90	138	90	42	55	10	24	32	M8	1.96
144.651.12.090	PSC80 x SFC12 - 90	138	90	47	55	12	24	32	M10	1.94
144.651.16.095	PSC80 x SFC16 - 95	143	95	50	60	16	27	34	M12	1.99
144.651.20.095	PSC80 x SFC20 - 95	143	95	52	60	20	33	42	M16	2.10
144.651.25.100	PSC80 x SFC25 - 100	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.W-88



PSC / SFC SHRINK FIT CHUCK

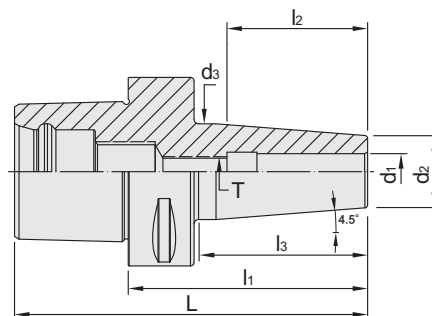
4.5°

PSC / SFC 熱膨脹刀桿


 台灣精品 2012
 TAIWAN EXCELLENCE

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 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
141.651.54.205	PSC40 x SFC1/4" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.30
141.651.54.295	PSC40 x SFC1/4" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M5	0.40
141.651.55.205	PSC40 x SFC5/16" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.40
141.651.55.295	PSC40 x SFC5/16" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M6	0.60
141.651.56.295	PSC40 x SFC3/8" - 2.95"	3.9	2.95	1.61	2.13	0.375	0.95	1.26	M8	0.70
141.651.58.295	PSC40 x SFC1/2" - 2.95"	3.9	2.95	1.81	2.13	0.5	1.1	1.34	M10	0.60
141.651.61.315	PSC40 x SFC5/8" - 3.15"	4.09	3.15	1.93	2.32	0.625	1.06	1.34	M12	0.70
141.651.64.335	PSC40 x SFC3/4" - 3.35"	4.29	3.35	2.04	2.52	0.75	1.26	1.65	M16	0.70
142.651.54.295	PSC50 x SFC1/4" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M5	0.60
142.651.55.295	PSC50 x SFC5/16" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M6	0.60
142.651.56.295	PSC50 x SFC3/8" - 2.95"	4.13	2.95	1.61	2.87	0.375	0.95	1.26	M8	0.70
142.651.58.295	PSC50 x SFC1/2" - 2.95"	4.13	2.95	1.81	1.97	0.5	1.1	1.34	M10	0.60
142.651.61.315	PSC50 x SFC5/8" - 3.15"	4.33	3.15	1.93	2.17	0.625	1.06	1.34	M12	0.70
142.651.64.335	PSC50 x SFC3/4" - 3.35"	4.53	3.35	2.04	2.48	0.75	1.26	1.65	M16	0.90
142.651.68.354	PSC50 x SFC1" - 3.54"	4.72	3.54	2.24	2.7	1	1.73	2.08	M16	1.20
143.651.54.315	PSC63 x SFC1/4" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M5	1.00
143.651.55.315	PSC63 x SFC5/16" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M6	0.90
143.651.56.315	PSC63 x SFC3/8" - 3.15"	4.65	3.15	1.61	2.87	0.375	0.95	1.26	M8	0.90
143.651.58.315	PSC63 x SFC1/2" - 3.15"	4.65	3.15	1.81	2.87	0.5	1.1	1.34	M10	1.00
143.651.61.335	PSC63 x SFC5/8" - 3.35"	4.84	3.35	1.93	2.28	0.625	1.06	1.34	M12	1.10
143.651.64.335	PSC63 x SFC3/4" - 3.35"	4.84	3.35	2.04	2.28	0.75	1.26	1.65	M16	1.20
143.651.68.354	PSC63 x SFC1" - 3.54"	5.04	3.54	2.24	2.6	1	1.73	2.08	M16	1.50
143.651.72.374	PSC63 x SFC1-1/4" - 3.74"	5.24	3.74	2.4	2.8	1.25	1.73	2.08	M16	1.50
144.651.56.354	PSC80 x SFC3/8" - 3.54"	5.43	3.54	1.65	2.17	0.375	0.95	1.26	M8	1.96
144.651.58.354	PSC80 x SFC1/2" - 3.54"	5.43	3.54	1.85	2.17	0.5	1.10	1.34	M10	1.94
144.651.61.374	PSC80 x SFC5/8" - 3.74"	5.63	3.74	1.97	2.36	0.625	1.06	1.34	M12	1.99
144.651.64.374	PSC80 x SFC3/4" - 3.74"	5.63	3.74	2.04	2.36	0.75	1.26	1.65	M16	2.10

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



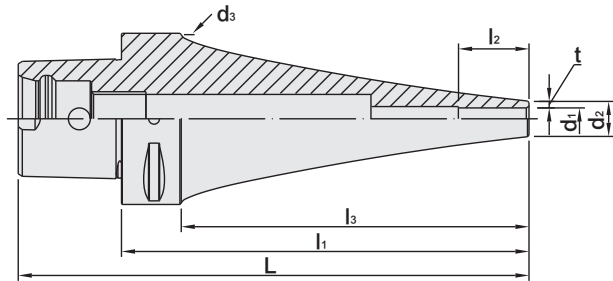
P.W-88

PSC / SFC SHRINK FIT CHUCK

CUL TYPE



PSC / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
143.768.04.150	PSC63 x SFC4 - 150CUL	188	150	10	128	4	10	53	3	1.5
143.768.04.200	PSC63 x SFC4 - 200CUL	238	200	10	178	4	10	53	3	1.6
143.768.04.250	PSC63 x SFC4 - 250CUL	288	250	10	228	4	10	53	3	1.7
143.768.04.300	PSC63 x SFC4 - 300CUL	338	300	10	278	4	10	53	3	1.8
143.768.06.150	PSC63 x SFC6 - 150CUL	188	150	26	128	6	13	53	3.5	1.5
143.768.06.200	PSC63 x SFC6 - 200CUL	238	200	26	178	6	13	53	3.5	1.7
143.768.06.250	PSC63 x SFC6 - 250CUL	288	250	26	228	6	13	53	3.5	1.8
143.768.06.300	PSC63 x SFC6 - 300CUL	338	300	26	278	6	13	53	3.5	1.9
143.768.08.150	PSC63 x SFC8 - 150CUL	188	150	26	128	8	16	53	4	1.6
143.768.08.200	PSC63 x SFC8 - 200CUL	238	200	26	178	8	16	53	4	1.7
143.768.08.250	PSC63 x SFC8 - 250CUL	288	250	26	228	8	16	53	4	1.9
143.768.08.300	PSC63 x SFC8 - 300CUL	338	300	26	278	8	16	53	4	2.0
143.768.10.150	PSC63 x SFC10 - 150CUL	188	150	32	128	10	19	53	4.5	1.6
143.768.10.200	PSC63 x SFC10 - 200CUL	238	200	32	178	10	19	53	4.5	1.8
143.768.10.250	PSC63 x SFC10 - 250CUL	288	250	32	228	10	19	53	4.5	2.0
143.768.10.300	PSC63 x SFC10 - 300CUL	338	300	32	278	10	19	53	4.5	2.1
143.768.12.150	PSC63 x SFC12 - 150CUL	188	150	37	128	12	22	53	5	1.7
143.768.12.200	PSC63 x SFC12 - 200CUL	238	200	37	178	12	22	53	5	1.9
143.768.12.250	PSC63 x SFC12 - 250CUL	288	250	37	228	12	22	53	5	2.1
143.768.12.300	PSC63 x SFC12 - 300CUL	338	300	37	278	12	22	53	5	2.2

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw



P.W-88



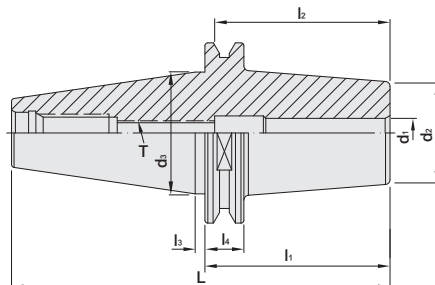
ISO / SFC SHRINK FIT CHUCK

4.5°

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86200	ISO20 x SFC3 - 60	93.3	60	18	2	8	3	9	21.642	M6	0.40
86202	ISO20 x SFC4 - 60	93.3	60	20	2	8	4	10	21.642	M6	0.40
86204	ISO20 x SFC5 - 60	93.3	60	20	2	8	5	16	21.642	M6	0.40
86206	ISO20 x SFC6 - 60	93.3	60	36	2	8	6	21	21.642	M5	0.40
86210	ISO25 x SFC3 - 60	92.7	60	18	2.95	8	3	9	24.91	M6	0.40
86212	ISO25 x SFC4 - 60	92.7	60	20	2.95	8	4	10	24.91	M6	0.42
86214	ISO25 x SFC5 - 60	92.7	60	20	2.95	8	5	16	24.91	M6	0.42
86216	ISO25 x SFC6 - 60	97.7	60	36	2.95	8	6	21	24.91	M5	0.42
86218	ISO25 x SFC8 - 60	97.7	60	36	2.95	8	8	21	24.91	M6	0.43
86220	ISO25 x SFC10 - 60	97.7	60	42	2.95	8	10	24	24.91	M8	0.44
86222	ISO25 x SFC12 - 60	97.7	60	47	2.95	8	12	24	24.91	M10	0.44
86228	ISO30 x SFC3 - 60	107.8	60	18	3.2	15.9	3	9	31.75	M6	1.00
86230	ISO30 x SFC4 - 60	107.8	60	20	3.2	15.9	4	10	31.75	M6	1.00
86232	ISO30 x SFC5 - 60	107.8	60	20	3.2	15.9	5	16	31.75	M6	1.10
86234	ISO30 x SFC6 - 60	107.8	60	36	3.2	15.9	6	21	31.75	M5	1.10
86236	ISO30 x SFC8 - 80	117.8	80	36	3.2	15.9	8	21	31.75	M6	1.10
86238	ISO30 x SFC10 - 80	117.8	80	42	3.2	15.9	10	24	31.75	M8	1.10
86240	ISO30 x SFC12 - 80	117.8	80	47	3.2	15.9	12	24	31.75	M10	1.10
86242	ISO30 x SFC14 - 80	117.8	80	47	3.2	15.9	14	24	31.75	M10	1.10
86244	ISO30 x SFC16 - 80	117.8	80	50	3.2	15.9	16	27	31.75	M12	1.10

Features:

► High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud**Preset Screw**

P.W-64

P.W-88

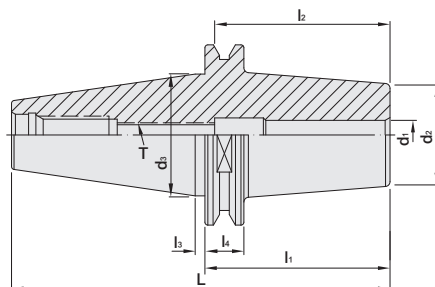
ISO / SFC SHRINK FIT CHUCK

4.5°

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86252	ISO20 x SFC 1/8" - 2.5"	3.81	2.5	0.71	0.079	0.315	0.125	0.36	0.852	-	0.40
86254	ISO20 x SFC 3/16" - 2.5"	3.81	2.5	0.79	0.079	0.315	0.1875	0.43	0.852	-	0.40
86256	ISO20 x SFC 1/4" - 2.5"	3.81	2.5	1.42	0.079	0.315	0.25	0.71	0.852	M5	0.40
86258	ISO20 x SFC 5/16" - 2.5"	3.81	2.5	1.42	0.079	0.315	0.3125	0.79	0.852	M6	0.40
86266	ISO25 x SFC 1/8" - 2.5"	3.98	2.5	0.71	0.116	0.315	0.125	0.36	0.981	-	0.40
86268	ISO25 x SFC 3/16" - 2.5"	3.98	2.5	0.79	0.116	0.315	0.1875	0.43	0.981	-	0.42
86270	ISO25 x SFC 1/4" - 2.5"	3.99	2.5	1.42	0.116	0.315	0.25	0.71	0.981	M5	0.42
86272	ISO25 x SFC 5/16" - 2.5"	3.98	2.5	1.42	0.116	0.315	0.3125	0.79	0.981	M6	0.42
86274	ISO25 x SFC 3/8" - 2.5"	3.98	2.5	1.65	0.116	0.315	0.375	0.94	0.981	M8	0.43
86280	ISO30 x SFC 1/8" - 2.5"	4.39	2.5	0.71	0.126	0.626	0.125	0.36	1.25	-	0.44
86282	ISO30 x SFC 3/16" - 2.5"	4.39	2.5	0.79	0.126	0.626	0.1875	0.43	1.25	-	0.44
86284	ISO30 x SFC 1/4" - 2.5"	4.38	2.5	1.42	0.126	0.626	0.25	0.71	1.25	M5	1.00
86286	ISO30 x SFC 5/16" - 3.15"	4.64	3.15	1.42	0.126	0.626	0.3125	0.79	1.25	M6	1.00
86290	ISO30 x SFC 3/8" - 3.15"	4.64	3.15	1.65	0.126	0.626	0.375	0.94	1.25	M8	1.10
86292	ISO30 x SFC 1/2" - 3.15"	4.64	3.15	1.85	0.126	0.626	0.5	1.1	1.25	M10	1.10
86294	ISO30 x SFC 5/8" - 3.15"	4.64	3.15	1.97	0.126	0.626	0.625	1.06	1.25	M12	1.10

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud



P.W-64

Preset Screw



P.W-88



BT / SFC SHRINK FIT CHUCK

with CP coolant hole

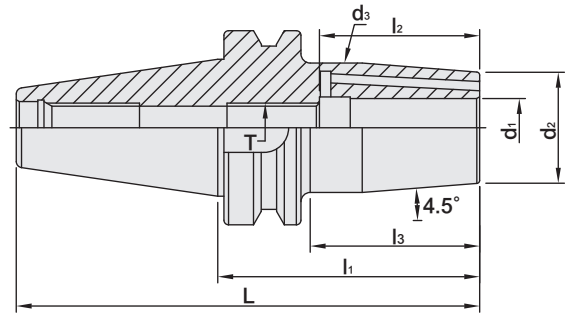
4.5°

Coolant hole

BT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19308B	BT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	28.2	M5	18	0.70
19309B	BT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
19310B	BT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	28.2	M6	35	0.52
19311B	BT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
19312B	BT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	29.4	M8	65	0.52
19313B	BT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
19314B	BT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	32.6	M10	110	0.52
19315B	BT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
19316B	BT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	36.4	M12	150	0.57
19317B	BT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M12	150	0.69
19318B	BT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	36.4	M12	200	0.55
19319B	BT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
19320B	BT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
19321B	BT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
19322B	BT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
19323B	BT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

BT / SFC SHRINK FIT CHUCK

with CP coolant hole

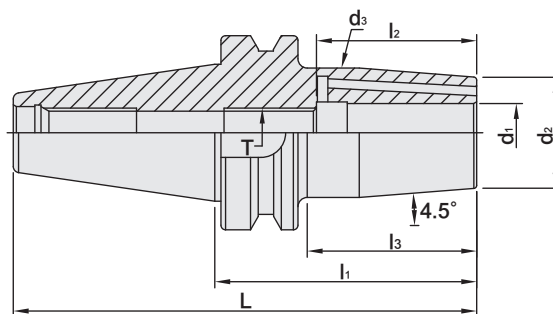
4.5°

Coolant hole

BT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19338B	BT40 x SFC6 - 90 - CP	155.4	90	36	58	6	21	27	M5	18	1.23
19339B	BT40 x SFC6 - 130 - CP	195.4	130	36	93	6	21	27	M5	18	1.41
19339B - 160	BT40 x SFC6 - 160 - CP	225.4	160	36	123	6	21	27	M5	18	1.54
19339B - 200	BT40 x SFC6 - 200 - CP	265.4	200	36	163	6	21	27	M5	18	1.72
19340B	BT40 x SFC8 - 90 - CP	155.4	90	36	58	8	21	27	M6	35	1.23
19341B	BT40 x SFC8 - 130 - CP	195.4	130	36	93	8	21	27	M6	35	1.41
19341B - 160	BT40 x SFC8 - 160 - CP	225.4	160	36	123	8	21	27	M6	35	1.54
19341B - 200	BT40 x SFC8 - 200 - CP	265.4	200	36	163	8	21	27	M6	35	1.72
19342B	BT40 x SFC10 - 90 - CP	155.4	90	52	58	10	24	32	M8	65	1.48
19343B	BT40 x SFC10 - 130 - CP	195.4	130	52	93	10	24	32	M8	65	1.66
19343B - 160	BT40 x SFC10 - 160 - CP	225.4	160	52	123	10	24	32	M8	65	1.79
19343B - 200	BT40 x SFC10 - 200 - CP	265.4	200	52	163	10	24	32	M8	65	1.97
19344B	BT40 x SFC12 - 90 - CP	155.4	90	52	58	12	24	32	M10	110	1.68
19345B	BT40 x SFC12 - 130 - CP	195.4	130	52	93	12	24	32	M10	110	1.86
19345B - 160	BT40 x SFC12 - 160 - CP	225.4	160	52	123	12	24	32	M10	110	1.99
19345B - 200	BT40 x SFC12 - 200 - CP	265.4	200	52	163	12	24	32	M10	110	2.17
19346B	BT40 x SFC14 - 90 - CP	155.4	90	52	53	14	27	34	M10	150	1.76
19347B	BT40 x SFC14 - 130 - CP	195.4	130	52	93	14	27	34	M10	150	1.94
19347B - 160	BT40 x SFC14 - 160 - CP	225.4	160	52	123	14	27	34	M10	150	2.07
19347B - 200	BT40 x SFC14 - 200 - CP	265.4	200	52	163	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88



BT / SFCT SHRINK FIT CHUCK

with CP coolant hole

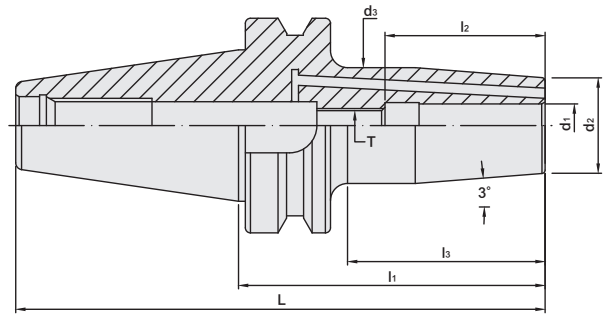
3°

Coolant hole

BT / SFCT 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19102TB	BT30 x SFCT4 - 80 - CP	128.4	80	20	53	4	21	26	M6	18	0.42
19104TB	BT30 x SFCT5 - 80 - CP	128.4	80	20	53	5	21	26	M6	18	0.54
19106TB	BT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
19108TB	BT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
19110TB	BT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
19112TB	BT30 x SFCT12 - 80 - CP	128.4	80	52	53	12	24	29	M10	110	0.66
19114TB	BT30 x SFCT14 - 80 - CP	128.4	80	52	46	14	24	32	M10	150	0.58
19116TB	BT30 x SFCT16 - 80 - CP	128.4	80	52	55	16	27	32	M12	200	0.60
19118TB	BT30 x SFCT18 - 90 - CP	138.4	90	52	66	18	33	38	M12	250	0.80
19120TB	BT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
19122TB	BT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
19132TB	BT40 x SFCT4 - 90 - CP	155.4	90	20	53	4	21	26	M6	18	1.01
19134TB	BT40 x SFCT5 - 90 - CP	155.4	90	20	58	5	21	26	M6	18	1.07
19136TB	BT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
19138TB	BT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
19140TB	BT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
19142TB	BT40 x SFCT12 - 90 - CP	155.4	90	52	58	12	24	29	M10	110	1.19
19144TB	BT40 x SFCT14 - 90 - CP	155.4	90	52	58	14	27	32	M10	150	1.24
19146TB	BT40 x SFCT16 - 90 - CP	155.4	90	52	58	16	27	32	M12	200	1.21
19148TB	BT40 x SFCT18 - 100 - CP	165.4	100	52	68	18	33	38	M12	250	1.42
19188TB	BT40 x SFCT19 - 90 - CP	155.4	90	60	58	19	33	38	M16	250	1.40
19150TB	BT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
19186TB	BT40 x SFCT24 - 90 - CP	155.4	90	72	61	24	44	49	M20	500	1.36
19152TB	BT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
19154TB	BT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

P.W-88

BT / SFCT SHRINK FIT CHUCK

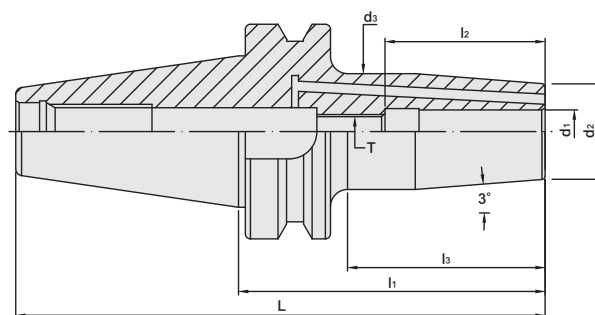
with CP coolant hole



BT / SFCT 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. U575564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19162TB	BT50 x SFCT4 - 100 - CP	201.8	100	20	52	4	21	26	M6	18	3.86
19164TB	BT50 x SFCT5 - 100 - CP	201.8	100	20	57	5	21	26	M6	18	3.86
19166TB	BT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
19168TB	BT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
19170TB	BT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
19172TB	BT50 x SFCT12 - 100 - CP	201.8	100	52	52	12	24	29	M10	110	3.94
19174TB	BT50 x SFCT14 - 100 - CP	201.8	100	52	57	14	27	32	M10	150	4.02
19176TB	BT50 x SFCT16 - 100 - CP	201.8	100	52	52	16	27	32	M12	200	3.96
19178TB	BT50 x SFCT18 - 110 - CP	211.8	110	52	62	18	33	38	M12	250	4.18
19180TB	BT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
19182TB	BT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
19184TB	BT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
P.W-60~61	P.W-88

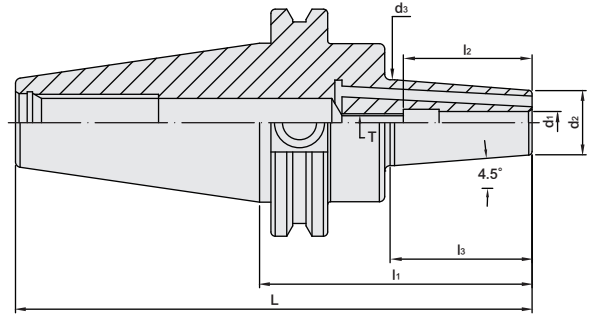


CAT / SFC SHRINK FIT CHUCK

with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29202B	CAT40 x SFC3 - 100 - CP	168.249	100	18	55	3	16	22	M8	18	1.04
29204B	CAT40 x SFC4 - 100 - CP	168.249	100	20	60	4	14	22	-	18	1.06
29206B	CAT40 x SFC5 - 100 - CP	168.249	100	20	60	5	16	22	M8	18	1.12
29208B	CAT40 x SFC6 - 100 - CP	168.249	100	36	54	6	21	27	M5	18	1.23
29210B	CAT40 x SFC6 - 150 - CP	218.249	150	36	104	6	21	27	M5	18	1.39
29212B	CAT40 x SFC8 - 100 - CP	168.249	100	36	54	8	21	27	M6	35	1.22
29214B	CAT40 x SFC8 - 150 - CP	218.249	150	36	104	8	21	27	M6	35	1.39
29216B	CAT40 x SFC10 - 100 - CP	168.249	100	42	56	10	24	32	M8	65	1.28
29218B	CAT40 x SFC10 - 150 - CP	218.249	150	42	106	10	24	32	M8	65	1.53
29220B	CAT40 x SFC12 - 100 - CP	168.249	100	47	59	12	24	33.3	M10	110	1.27
29222B	CAT40 x SFC12 - 150 - CP	218.249	150	47	104	12	24	32	M10	110	1.52
29224B	CAT40 x SFC14 - 95.3 - CP	163.549	95.3	47	59	14	27	34	M10	150	1.27
29226B	CAT40 x SFC14 - 100 - CP	168.249	100	47	59	14	27	34	M10	150	1.31
29228B	CAT40 x SFC14 - 152.4 - CP	220.649	152.4	47	112	14	27	34	M10	150	1.62
29230B	CAT40 x SFC16 - 95.3 - CP	163.549	95.3	50	54	16	27	34	M12	200	1.25
29232B	CAT40 x SFC16 - 100 - CP	168.249	100	50	59	16	27	34	M12	200	1.28
29234B	CAT40 x SFC16 - 160 - CP	228.249	160	50	119	16	27	34	M12	200	1.64
29236B	CAT40 x SFC18 - 100 - CP	168.249	100	50	63	18	33	42	M12	250	1.43
29238B	CAT40 x SFC20 - 80 - CP	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



P.W-62

Preset Screw



P.W-88

CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

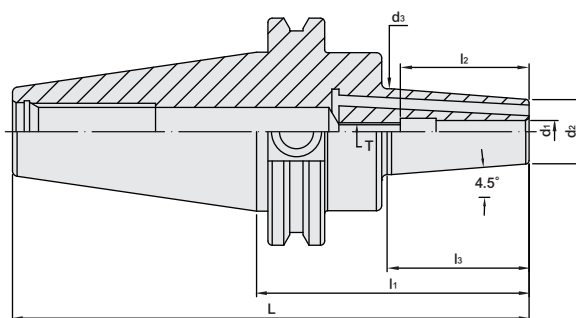
4.5°

Coolant hole

CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29252B	CAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
29254B	CAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
29256B	CAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
29258B	CAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
29260B	CAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
29262B	CAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
29264B	CAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
29266B	CAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
29268B	CAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
29270B	CAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
29272B	CAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
29274B	CAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
29276B	CAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
29278B	CAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
29280B	CAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
29282B	CAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88

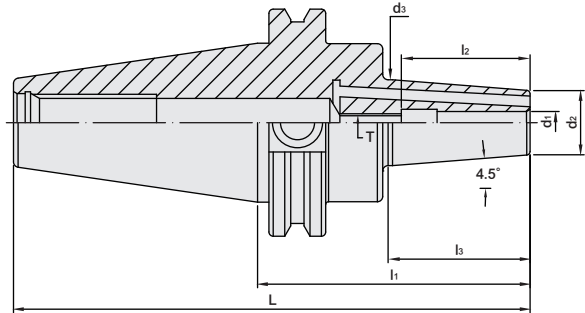


CAT / SFC SHRINK FIT CHUCK

with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29002B	CAT40 x SFC1/8" - 3.5" - CP	6.187	3.5	0.79	1.75	0.125	0.63	0.87	M6	18	1.03
29004B	CAT40 x SFC1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
29006B	CAT40 x SFC3/16" - 3.5" - CP	6.187	3.5	0.79	1.75	0.1875	0.63	0.87	M6	18	1.04
29008B	CAT40 x SFC3/16" - 5" - CP	7.687	5	0.79	3.22	0.1875	0.63	0.87	-	18	1.10
29010B	CAT40 x SFC1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
29011B	CAT40 x SFC1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
29013B	CAT40 x SFC1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
29014B	CAT40 x SFC1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
29016B	CAT40 x SFC5/16" - 3.5" - CP	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
29018B	CAT40 x SFC5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
29020B	CAT40 x SFC3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
29021B	CAT40 x SFC3/8" - 3.75" - CP	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
29023B	CAT40 x SFC3/8" - 5" - CP	7.687	5	1.65	3.5	0.375	0.94	1.26	M8	65	1.46
29024B	CAT40 x SFC3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
29026B	CAT40 x SFC1/2" - 3" - CP	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
29027B	CAT40 x SFC1/2" - 3.75" - CP	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
29029B	CAT40 x SFC1/2" - 5" - CP	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
29030B	CAT40 x SFC1/2" - 6" - CP	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
29032B	CAT40 x SFC5/8" - 3.75" - CP	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
29034B	CAT40 x SFC3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
29036B	CAT40 x SFC3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
29037B	CAT40 x SFC3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
29038B	CAT40 x SFC3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
29040B	CAT40 x SFC1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
29042B	CAT40 x SFC1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
29044B	CAT40 x SFC1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
29046B	CAT40 x SFC1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	550	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



P.W-62

Preset Screw



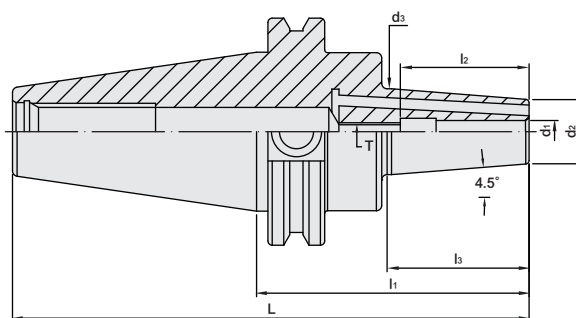
P.W-88

CAT / SFC SHRINK FIT CHUCK

with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29052B	CAT50 x SFC3/16" - 3.54" - CP	7.54	3.54	0.79	1.98	0.1875	0.63	0.87	M6	18	3.04
29054B	CAT50 x SFC1/4" - 3.54" - CP	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
29056B	CAT50 x SFC5/16" - 3.54" - CP	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
29058B	CAT50 x SFC3/8" - 3.94" - CP	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
29060B	CAT50 x SFC1/2" - 3.94" - CP	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
29062B	CAT50 x SFC5/8" - 3.94" - CP	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
29064B	CAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
29066B	CAT50 x SFC3/4" - 6" - CP	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
29068B	CAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
29070B	CAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
29072B	CAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	550	3.68
29074B	CAT50 x SFC1-1/4" - 4.72" - CP	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
29076B	CAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

МАШСЕРВИС

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
P.W-62	P.W-88



DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

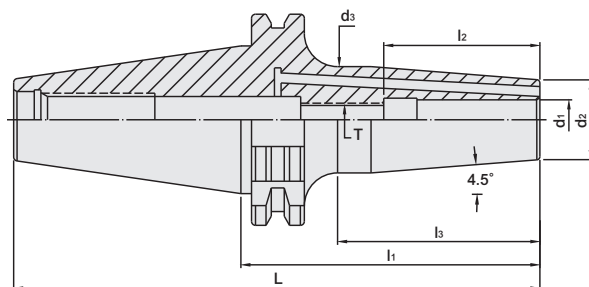
4.5°

Coolant
hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49106B - 60	DAT30 x SFC6 - 60 - CP	107.8	60	36	38.1	6	23	29	M5	18	0.53
49106B	DAT30 x SFC6 - 80 - CP	127.8	80	36	55	6	21	27	M5	18	0.58
49108B - 60	DAT30 x SFC8 - 60 - CP	107.8	60	36	38.1	8	23	29	M6	35	0.52
49108B	DAT30 x SFC8 - 80 - CP	127.8	80	36	55	8	21	27	M6	35	0.58
49110B - 60	DAT30 x SFC10 - 60 - CP	107.8	60	42	38.1	10	27	29	M8	65	0.56
49110B	DAT30 x SFC10 - 80 - CP	127.8	80	42	55	10	24	32	M8	65	0.64
49112B - 60	DAT30 x SFC12 - 60 - CP	107.8	60	47	38.1	12	27	33	M10	110	0.56
49112B	DAT30 x SFC12 - 80 - CP	127.8	80	47	55	12	24	32	M10	110	0.62
49116B - 65	DAT30 x SFC16 - 65 - CP	112.8	65	50	44.9	16	30	37	M12	200	0.64
49116B	DAT30 x SFC16 - 80 - CP	127.8	80	50	55	16	27	34	M12	200	0.64
49120B - 70	DAT30 x SFC20 - 70 - CP	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

МАШСЕРВИС

Features:

► High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud

Preset Screw



P.W-63

P.W-88

DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

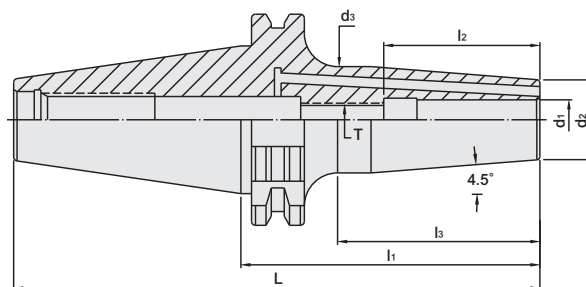
4.5°

Coolant hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49136B - 80	DAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
49136B - 130	DAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
49136B - 160	DAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
49136B - 200	DAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
49138B - 80	DAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
49138B - 130	DAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
49138B - 160	DAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
49138B - 200	DAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
49140B - 80	DAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
49140B - 130	DAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
49140B - 160	DAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
49140B - 200	DAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
49142B - 80	DAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
49142B - 130	DAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
49142B - 160	DAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
49142B - 200	DAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
49144B - 80	DAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
49144B - 130	DAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
49144B - 160	DAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
49144B - 200	DAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88



DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

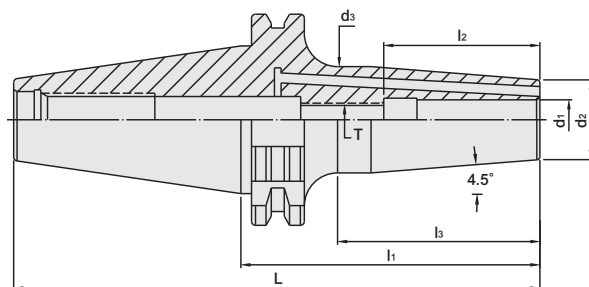
4.5°

Coolant hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49146B - 80	DAT40 x SFC16 - 80 - CP	148.4	80	50	55.8	16	27	34	M12	200	1.09
49146B - 130	DAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
49146B - 160	DAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
49146B - 200	DAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
49148B - 80	DAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
49148B - 130	DAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
49148B - 160	DAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
49148B - 200	DAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
49150B - 80	DAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
49150B - 130	DAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
49150B - 160	DAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
49150B - 200	DAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
49152B - 100	DAT40 x SFC25 - 100 - CP	168.4	80	58	80.9	25	44	53	M20	500	1.79
49152B - 130	DAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
49152B - 160	DAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
49152B - 200	DAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
49154B - 100	DAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

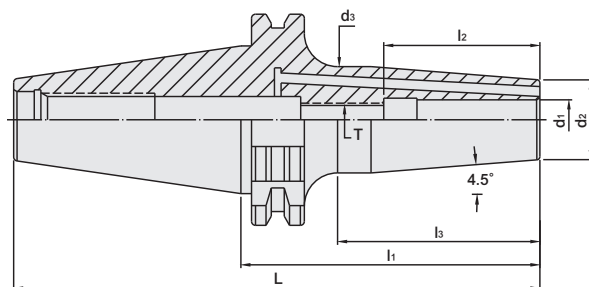
DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49166B - 80	DAT50 x SFC6 - 80 - CP	181.75	80	36	50.9	6	21	27	M5	18	2.81
49166B - 130	DAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
49166B - 160	DAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
49166B - 200	DAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
49168B - 80	DAT50 x SFC8 - 80 - CP	181.75	80	36	50.9	8	21	27	M6	35	2.80
49168B - 130	DAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
49168B - 160	DAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
49168B - 200	DAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
49170B - 80	DAT50 x SFC10 - 80 - CP	181.75	80	42	50.9	10	24	32	M8	65	2.53
49170B - 130	DAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
49170B - 160	DAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
49170B - 200	DAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
49172B - 80	DAT50 x SFC12 - 80 - CP	181.75	80	47	50.9	12	24	32	M10	110	2.52
49172B - 130	DAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
49172B - 160	DAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
49172B - 200	DAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
49174B - 80	DAT50 x SFC14 - 80 - CP	181.75	80	47	50.9	14	27	34	M12	150	2.38
49174B - 130	DAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M12	150	2.60
49174B - 160	DAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M12	150	2.74
49174B - 200	DAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M12	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88



DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

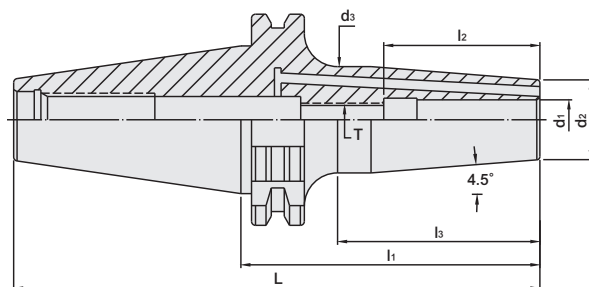
4.5°

Coolant hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49176B - 80	DAT50 x SFC16 - 80 - CP	181.75	80	50	50.9	16	27	34	M12	200	2.87
49176B - 130	DAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
49176B - 160	DAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
49176B - 200	DAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
49178B - 80	DAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
49178B - 130	DAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
49178B - 160	DAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
49178B - 200	DAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
49180B - 80	DAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
49180B - 130	DAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
49180B - 160	DAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
49180B - 200	DAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
49182B - 100	DAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
49182B - 130	DAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
49182B - 160	DAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
49182B - 200	DAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
49184B - 100	DAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

SBT / SFC SHRINK FIT CHUCK

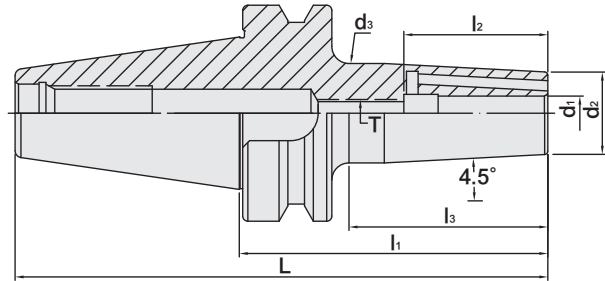
with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651.06.060B	SBT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	-	M5	18	0.70
25.651.06.080B	SBT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
25.651.08.060B	SBT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	-	M6	35	0.52
25.651.08.080B	SBT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
25.651.10.060B	SBT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	-	M8	65	0.52
25.651.10.080B	SBT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
25.651.12.060B	SBT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	-	M10	110	0.52
25.651.12.080B	SBT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
25.651.14.065B	SBT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	-	M10	150	0.57
25.651.14.080B	SBT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M10	150	0.69
25.651.16.065B	SBT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	-	M12	200	0.55
25.651.16.080B	SBT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
25.651.18.070B	SBT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
25.651.18.090B	SBT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
25.651.20.070B	SBT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
25.651.20.090B	SBT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	Preset Screw
P.W-60~61	P.W-88



SBT / SFC SHRINK FIT CHUCK

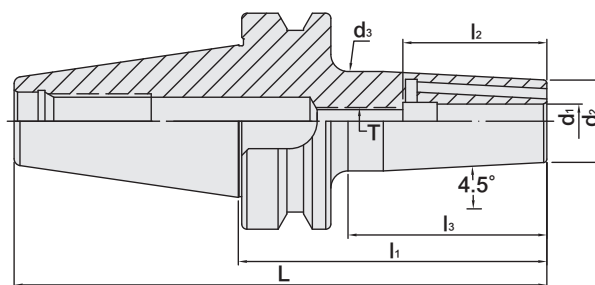
with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. U575564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.06.090B	SBT40 x SFC6 - 90 - CP	191.8	90	36	58	6	21	27	M5	18	1.23
26.651.06.130B	SBT40 x SFC6 - 130 - CP	231.8	130	36	93	6	21	27	M5	18	1.41
26.651.06.160B	SBT40 x SFC6 - 160 - CP	261.8	160	36	123	6	21	27	M5	18	1.54
26.651.06.200B	SBT40 x SFC6 - 200 - CP	301.8	200	36	163	6	21	27	M5	18	1.72
26.651.08.090B	SBT40 x SFC8 - 90 - CP	191.8	90	36	58	8	21	27	M6	35	1.23
26.651.08.130B	SBT40 x SFC8 - 130 - CP	231.8	130	36	93	8	21	27	M6	35	1.41
26.651.08.160B	SBT40 x SFC8 - 160 - CP	261.8	160	36	123	8	21	27	M6	35	1.54
26.651.08.200B	SBT40 x SFC8 - 200 - CP	301.8	200	36	163	8	21	27	M6	35	1.72
26.651.10.090B	SBT40 x SFC10 - 90 - CP	191.8	90	52	58	10	24	32	M8	65	1.48
26.651.10.130B	SBT40 x SFC10 - 130 - CP	231.8	130	52	93	10	24	32	M8	65	1.66
26.651.10.160B	SBT40 x SFC10 - 160 - CP	261.8	160	52	123	10	24	32	M8	65	1.79
26.651.10.200B	SBT40 x SFC10 - 200 - CP	301.8	200	52	163	10	24	32	M8	65	1.97
26.651.12.090B	SBT40 x SFC12 - 90 - CP	191.8	90	52	58	12	24	32	M10	110	1.68
26.651.12.130B	SBT40 x SFC12 - 130 - CP	231.8	130	52	93	12	24	32	M10	110	1.86
26.651.12.160B	SBT40 x SFC12 - 160 - CP	261.8	160	52	123	12	24	32	M10	110	1.99
26.651.12.200B	SBT40 x SFC12 - 200 - CP	301.8	200	52	163	12	24	32	M10	110	2.17
26.651.14.090B	SBT40 x SFC14 - 90 - CP	191.8	90	52	53	14	27	34	M10	150	1.76
26.651.14.130B	SBT40 x SFC14 - 130 - CP	231.8	130	52	93	14	27	34	M10	150	1.94
26.651.14.160B	SBT40 x SFC14 - 160 - CP	261.8	160	52	123	14	27	34	M10	150	2.07
26.651.14.200B	SBT40 x SFC14 - 200 - CP	301.8	200	52	163	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

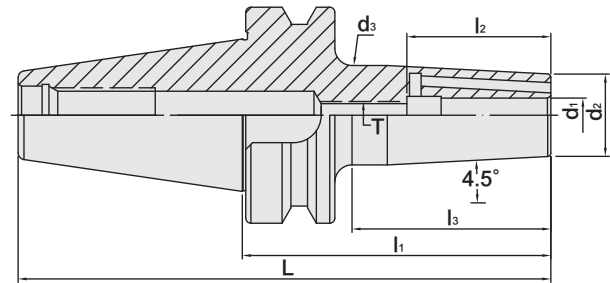
P.W-88

SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.16.090B	SBT40 x SFC16 - 90 - CP	155.4	90	52	58	16	27	34	M12	200	1.57
26.651.16.130B	SBT40 x SFC16 - 130 - CP	195.4	130	52	93	16	27	34	M12	200	1.75
26.651.16.160B	SBT40 x SFC16 - 160 - CP	225.4	160	52	123	16	27	34	M12	200	1.91
26.651.16.200B	SBT40 x SFC16 - 200 - CP	265.4	200	52	163	16	27	34	M12	200	2.06
26.651.18.090B	SBT40 x SFC18 - 90 - CP	155.4	90	52	58	18	33	42	M12	250	2.12
26.651.18.130B	SBT40 x SFC18 - 130 - CP	195.4	130	52	98	18	33	42	M12	250	2.31
26.651.18.160B	SBT40 x SFC18 - 160 - CP	225.4	160	52	128	18	33	42	M12	250	2.46
26.651.18.200B	SBT40 x SFC18 - 200 - CP	265.4	200	52	168	18	33	42	M12	250	2.61
26.651.19.090B	SBT40 x SFC19 - 90 - CP	155.4	90	60	61.5	19	33	42	M16	320	1.33
26.651.20.090B	SBT40 x SFC20 - 90 - CP	155.4	90	52	58	20	33	42	M16	320	2.09
26.651.20.130B	SBT40 x SFC20 - 130 - CP	195.4	130	52	98	20	33	42	M16	320	2.28
26.651.20.160B	SBT40 x SFC20 - 160 - CP	225.4	160	52	128	20	33	42	M16	320	2.43
26.651.20.200B	SBT40 x SFC20 - 200 - CP	265.4	200	52	168	20	33	42	M16	320	2.57
26.651.24.090B	SBT40 x SFC24 - 90 - CP	155.4	90	72	61.5	24	44	53	M20	500	1.57
26.651.25.100B	SBT40 x SFC25 - 100 - CP	165.4	100	58	71	25	44	53	M20	500	1.83
26.651.25.130B	SBT40 x SFC25 - 130 - CP	195.4	130	58	101	25	44	53	M20	500	2.34
26.651.25.160B	SBT40 x SFC25 - 160 - CP	225.4	160	58	131	25	44	53	M20	500	2.85
26.651.25.200B	SBT40 x SFC25 - 200 - CP	265.4	200	58	171	25	44	53	M20	500	3.53
26.651.32.100B	SBT40 x SFC32 - 100 - CP	165.4	100	58	71	32	44	53	M20	550	1.69
26.651.32.130B	SBT40 x SFC32 - 130 - CP	195.4	130	58	101	32	44	53	M20	550	2.21
26.651.32.160B	SBT40 x SFC32 - 160 - CP	225.4	160	58	131	32	44	53	M20	550	2.71
26.651.32.200B	SBT40 x SFC32 - 200 - CP	265.4	200	58	171	32	44	53	M20	550	3.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
	
P.W-60~61	P.W-88



SBT / SFC SHRINK FIT CHUCK

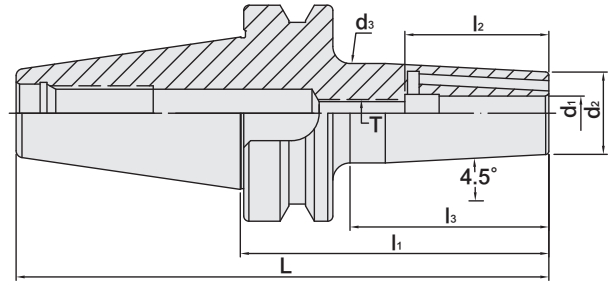
with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. U575564618.2



MODEL NO.	TYPE	L	l_1	l_2	l_3	d_1	d_2	d_3	T	TORQUE N.m min	WEIGHT (KGS)
27.651.06.100B	SBT50 x SFC6 - 100 - CP	201.8	100	36	52	6	21	27	M5	18	3.75
27.651.06.130B	SBT50 x SFC6 - 130 - CP	231.8	130	36	82	6	21	27	M5	18	3.94
27.651.06.160B	SBT50 x SFC6 - 160 - CP	261.8	160	36	82	6	21	27	M5	18	4.07
27.651.06.200B	SBT50 x SFC6 - 200 - CP	301.8	200	36	122	6	21	27	M5	18	4.24
27.651.08.100B	SBT50 x SFC8 - 100 - CP	201.8	100	36	52	8	21	27	M6	35	3.74
27.651.08.130B	SBT50 x SFC8 - 130 - CP	231.8	130	36	82	8	21	27	M6	35	3.93
27.651.08.160B	SBT50 x SFC8 - 160 - CP	261.8	160	36	82	8	21	27	M6	35	4.06
27.651.08.200B	SBT50 x SFC8 - 200 - CP	301.8	200	36	122	8	21	27	M6	35	4.23
27.651.10.100B	SBT50 x SFC10 - 100 - CP	201.8	100	42	52	10	24	32	M8	65	3.82
27.651.10.130B	SBT50 x SFC10 - 130 - CP	231.8	130	42	82	10	24	32	M8	65	4.05
27.651.10.160B	SBT50 x SFC10 - 160 - CP	261.8	160	42	82	10	24	32	M8	65	4.18
27.651.10.200B	SBT50 x SFC10 - 200 - CP	301.8	200	42	122	10	24	32	M8	65	4.35
27.651.12.100B	SBT50 x SFC12 - 100 - CP	201.8	100	47	52	12	24	32	M10	110	3.81
27.651.12.130B	SBT50 x SFC12 - 130 - CP	231.8	130	47	82	12	24	32	M10	110	4.04
27.651.12.160B	SBT50 x SFC12 - 160 - CP	261.8	60	47	82	12	24	32	M10	110	4.17
27.651.12.200B	SBT50 x SFC12 - 200 - CP	301.8	200	47	122	12	24	32	M10	110	4.34
27.651.14.100B	SBT50 x SFC14 - 100 - CP	201.8	100	47	52	14	27	34	M10	150	3.88
27.651.14.130B	SBT50 x SFC14 - 130 - CP	231.8	130	47	82	14	27	34	M10	150	4.11
27.651.14.160B	SBT50 x SFC14 - 160 - CP	261.8	160	47	82	14	27	34	M10	150	4.24
27.651.14.200B	SBT50 x SFC14 - 200 - CP	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ . ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



P.W-60~61

Preset Screw



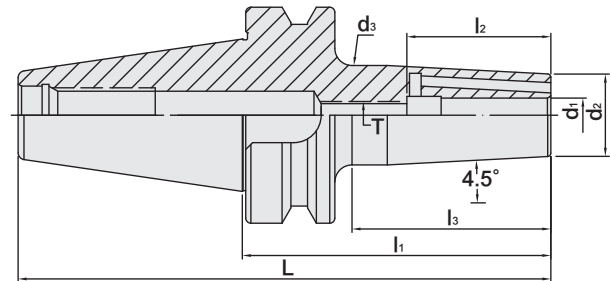
P.W-88

SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. U575564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651.16.100B	SBT50 x SFC16 - 100 - CP	201.8	100	50	52	16	27	34	M12	200	3.90
27.651.16.130B	SBT50 x SFC16 - 130 - CP	231.8	130	50	82	16	27	34	M12	200	4.09
27.651.16.160B	SBT50 x SFC16 - 160 - CP	261.8	160	50	82	16	27	34	M12	200	4.26
27.651.16.200B	SBT50 x SFC16 - 200 - CP	301.8	200	50	122	16	27	34	M12	200	4.43
27.651.18.100B	SBT50 x SFC18 - 100 - CP	201.8	100	50	52	18	33	42	M12	250	4.15
27.651.18.130B	SBT50 x SFC18 - 130 - CP	231.8	130	50	82	18	33	42	M12	250	4.34
27.651.18.160B	SBT50 x SFC18 - 160 - CP	261.8	160	50	82	18	33	42	M12	250	4.51
27.651.18.200B	SBT50 x SFC18 - 200 - CP	301.8	200	50	122	18	33	42	M12	250	4.68
27.651.19.100B	SBT50 x SFC19 - 100 - CP	201.8	100	60	60	19	33	42	M16	320	3.98
27.651.20.100B	SBT50 x SFC20 - 100 - CP	201.8	100	52	52	20	33	42	M16	320	4.07
27.651.20.130B	SBT50 x SFC20 - 130 - CP	231.8	130	52	82	20	33	42	M16	320	4.32
27.651.20.160B	SBT50 x SFC20 - 160 - CP	261.8	160	52	82	20	33	42	M16	320	4.53
27.651.20.200B	SBT50 x SFC20 - 200 - CP	301.8	200	52	122	20	33	42	M16	320	4.70
27.651.24.100B	SBT50 x SFC24 - 100 - CP	201.8	100	72	60	24	44	53	M20	500	4.19
27.651.25.100B	SBT50 x SFC25 - 100 - CP	201.8	100	58	52	25	44	53	M20	500	4.53
27.651.25.130B	SBT50 x SFC25 - 130 - CP	231.8	130	58	82	25	44	53	M20	500	4.78
27.651.25.160B	SBT50 x SFC25 - 160 - CP	261.8	160	58	82	25	44	53	M20	500	4.99
27.651.25.200B	SBT50 x SFC25 - 200 - CP	301.8	200	58	122	25	44	53	M20	500	5.16
27.651.32.100B	SBT50 x SFC32 - 100 - CP	201.8	100	58	52	32	44	53	M20	550	4.38
27.651.32.130B	SBT50 x SFC32 - 130 - CP	231.8	130	58	82	32	44	53	M20	550	4.63
27.651.32.160B	SBT50 x SFC32 - 160 - CP	261.8	160	58	82	32	44	53	M20	550	4.84
27.651.32.200B	SBT50 x SFC32 - 200 - CP	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Preset Screw
	
P.W-60~61	P.W-88



SBT / SFCT SHRINK FIT CHUCK

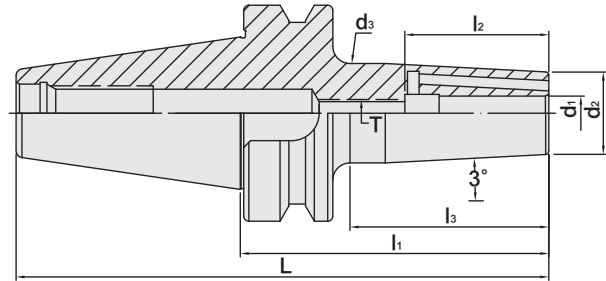
with CP coolant hole



SBT / SFCT 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651T.06.080B	SBT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
25.651T.08.080B	SBT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
25.651T.10.080B	SBT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
25.651T.12.080B	SBT30 x SFCT12 - 80 - CP	128.4	80	47	53	12	24	29	M10	110	0.66
25.651T.14.080B	SBT30 x SFCT14 - 80 - CP	128.4	80	47	46	14	24	32	M10	150	0.58
25.651T.16.080B	SBT30 x SFCT16 - 80 - CP	128.4	80	50	55	16	27	32	M12	200	0.60
25.651T.18.090B	SBT30 x SFCT18 - 90 - CP	138.4	90	50	66	18	33	38	M12	250	0.80
25.651T.20.090B	SBT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
25.651T.25.100B	SBT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
26.651T.06.090B	SBT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
26.651T.08.090B	SBT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
26.651T.10.090B	SBT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
26.651T.12.090B	SBT40 x SFCT12 - 90 - CP	155.4	90	52	58	12	24	29	M10	110	1.19
26.651T.14.090B	SBT40 x SFCT14 - 90 - CP	155.4	90	52	58	14	27	32	M10	150	1.24
26.651T.16.090B	SBT40 x SFCT16 - 90 - CP	155.4	90	52	58	16	27	32	M12	200	1.21
26.651T.18.100B	SBT40 x SFCT18 - 100 - CP	165.4	100	52	68	18	33	38	M12	250	1.42
26.651T.20.100B	SBT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
26.651T.25.100B	SBT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
26.651T.32.100B	SBT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud

Preset Screw



P.W-60~61

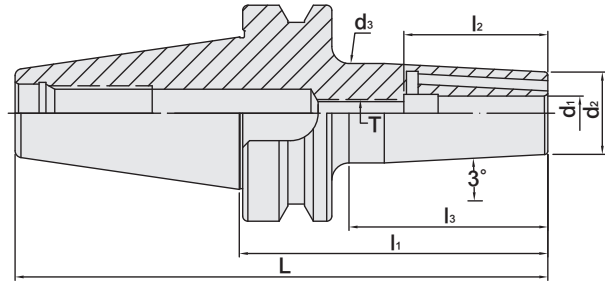
P.W-88

SBT / SFCT SHRINK FIT CHUCK

with CP coolant hole



SBT / SFCT 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651T.06.100B	SBT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
27.651T.08.100B	SBT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
27.651T.10.100B	SBT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
27.651T.12.100B	SBT50 x SFCT12 - 100 - CP	201.8	100	47	52	12	24	29	M10	110	3.94
27.651T.14.100B	SBT50 x SFCT14 - 100 - CP	201.8	100	47	57	14	27	32	M10	150	4.02
27.651T.16.100B	SBT50 x SFCT16 - 100 - CP	201.8	100	50	52	16	27	32	M12	200	3.96
27.651T.18.110B	SBT50 x SFCT18 - 110 - CP	211.8	110	50	62	18	33	38	M12	250	4.18
27.651T.20.110B	SBT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
27.651T.25.110B	SBT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
27.651T.32.110B	SBT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-60~61

P.W-88



SCAT / SFC SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

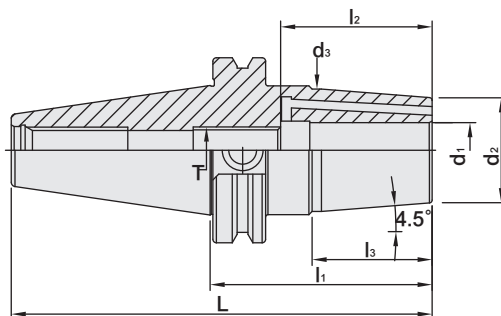
4.5°

Coolant
hole

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR.200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
43.651.06.100B	SCAT40 x SFC6 - 100 - CP	168.249	100	36	54	6	21	27	M5	18	1.23
43.651.06.150B	SCAT40 x SFC6 - 150 - CP	218.249	150	36	104	6	21	27	M5	18	1.39
43.651.08.100B	SCAT40 x SFC8 - 100 - CP	168.249	100	36	54	8	21	27	M6	35	1.22
43.651.08.150B	SCAT40 x SFC8 - 150 - CP	218.249	150	36	104	8	21	27	M6	35	1.39
43.651.10.100B	SCAT40 x SFC10 - 100 - CP	168.249	100	42	56	10	24	32	M8	65	1.28
43.651.10.150B	SCAT40 x SFC10 - 150 - CP	218.249	150	42	106	10	24	32	M8	65	1.53
43.651.12.100B	SCAT40 x SFC12 - 100 - CP	168.249	100	47	59	12	24	33.3	M10	110	1.27
43.651.12.150B	SCAT40 x SFC12 - 150 - CP	218.249	150	47	104	12	24	32	M10	110	1.52
43.651.14.100B	SCAT40 x SFC14 - 100 - CP	168.249	100	47	59	14	27	34	M10	150	1.27
43.651.14.150B	SCAT40 x SFC14 - 150 - CP	218.249	150	47	112	14	27	34	M10	150	1.62
43.651.16.100B	SCAT40 x SFC16 - 100 - CP	168.249	100	50	54	16	27	34	M12	200	1.25
43.651.16.160B	SCAT40 x SFC16 - 160 - CP	228.249	160	50	119	16	27	34	M12	200	1.64
43.651.18.100B	SCAT40 x SFC18 - 100 - CP	168.249	100	50	63	18	33	42	M12	250	1.43
43.651.20.080B	SCAT40 x SFC20 - 80 - CP	148.249	80	52	42	20	33	39	M16	320	1.20

МАШГЕРВИС

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88

SCAT / SFC SHRINK FIT CHUCK

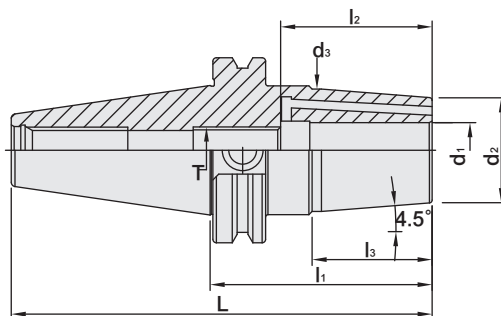
with CP coolant hole



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.06.100B	SCAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
44.651.06.150B	SCAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
44.651.08.100B	SCAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
44.651.08.150B	SCAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
44.651.10.100B	SCAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
44.651.10.150B	SCAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
44.651.12.100B	SCAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
44.651.12.150B	SCAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
44.651.14.100B	SCAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
44.651.14.150B	SCAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
44.651.16.100B	SCAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
44.651.16.160B	SCAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
44.651.18.100B	SCAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
44.651.20.080B	SCAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
44.651.25.100B	SCAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
44.651.32.100B	SCAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud



P.W-62

Preset Screw



P.W-88



SCAT / SFC SHRINK FIT CHUCK

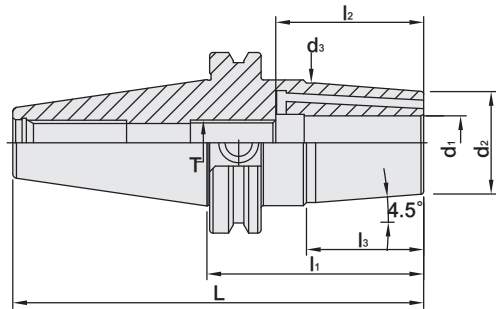
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
hole

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
43.651.52.350B	SCAT40 x SFC 1/8" - 3.5" - CP	6.187	3.5	0.79	1.75	0.125	0.63	0.87	M6	18	1.03
43.651.52.500B	SCAT40 x SFC 1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
43.651.53.350B	SCAT40 x SFC 3/16" - 3.5" - CP	6.187	3.5	0.79	1.75	0.1875	0.63	0.87	M6	18	1.04
43.651.53.500B	SCAT40 x SFC 3/16" - 5" - CP	7.687	5	0.79	3.22	0.1875	0.63	0.87	-	18	1.10
43.651.54.300B	SCAT40 x SFC 1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
43.651.54.350B	SCAT40 x SFC 1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
43.651.54.500B	SCAT40 x SFC 1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
43.651.54.600B	SCAT40 x SFC 1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
43.651.55.350B	SCAT40 x SFC 5/16" - 3.5" - CP	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
43.651.55.500B	SCAT40 x SFC 5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
43.651.56.300B	SCAT40 x SFC 3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
43.651.56.375B	SCAT40 x SFC 3/8" - 3.75" - CP	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
43.651.56.500B	SCAT40 x SFC 3/8" - 5" - CP	7.687	5	1.65	3.27	0.375	0.94	1.37	M8	65	1.46
43.651.56.600B	SCAT40 x SFC 3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
43.651.58.300B	SCAT40 x SFC 1/2" - 3" - CP	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
43.651.58.375B	SCAT40 x SFC 1/2" - 3.75" - CP	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
43.651.58.500B	SCAT40 x SFC 1/2" - 5" - CP	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
43.651.58.600B	SCAT40 x SFC 1/2" - 6" - CP	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
43.651.61.375B	SCAT40 x SFC 5/8" - 3.75" - CP	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
43.651.64.300B	SCAT40 x SFC 3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
43.651.64.400B	SCAT40 x SFC 3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
43.651.64.500B	SCAT40 x SFC 3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
43.651.64.600B	SCAT40 x SFC 3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
43.651.68.300B	SCAT40 x SFC 1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
43.651.68.400B	SCAT40 x SFC 1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
43.651.68.600B	SCAT40 x SFC 1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
43.651.72.400B	SCAT40 x SFC 1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	550	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-62

P.W-88

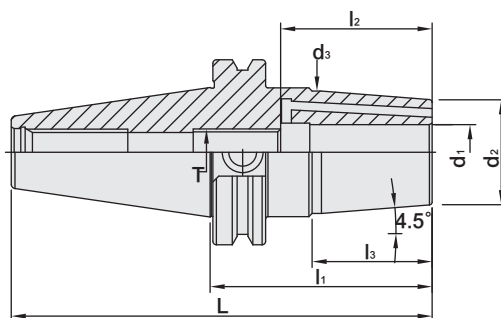


SCAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.53.354B	SCAT50 x SFC3/16" - 3.54" - CP	7.54	3.54	0.79	1.98	0.1875	0.63	0.87	M6	18	3.04
44.651.54.354B	SCAT50 x SFC1/4" - 3.54" - CP	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
44.651.55.354B	SCAT50 x SFC5/16" - 3.54" - CP	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
44.651.56.394B	SCAT50 x SFC3/8" - 3.94" - CP	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
44.651.58.394B	SCAT50 x SFC1/2" - 3.94" - CP	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
44.651.61.394B	SCAT50 x SFC5/8" - 3.94" - CP	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
44.651.64.413B	SCAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
44.651.64.600B	SCAT50 x SFC3/4" - 6" - CP	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
44.651.68.413B	SCAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
44.651.68.600B	SCAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
44.651.72.413B	SCAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
44.651.72.472B	SCAT50 x SFC1-1/4" - 4.72" - CP	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	500	3.90
44.651.72.600B	SCAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

МАШСЕРВИС

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- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
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Pull Stud	Preset Screw
P.W-62	P.W-88



SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

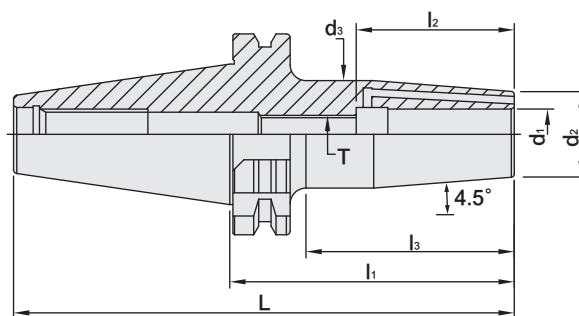
4.5°

Coolant
hole

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.06.080B	SDAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
66.651.06.130B	SDAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
66.651.06.160B	SDAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
66.651.06.200B	SDAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
66.651.08.080B	SDAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
66.651.08.130B	SDAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
66.651.08.160B	SDAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
66.651.08.200B	SDAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
66.651.10.080B	SDAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
66.651.10.130B	SDAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
66.651.10.160B	SDAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
66.651.10.200B	SDAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
66.651.12.080B	SDAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
66.651.12.130B	SDAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
66.651.12.160B	SDAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
66.651.12.200B	SDAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
66.651.14.080B	SDAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
66.651.14.130B	SDAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
66.651.14.160B	SDAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
66.651.14.200B	SDAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

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Product information:

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Pull Stud

Preset Screw



P.W-63

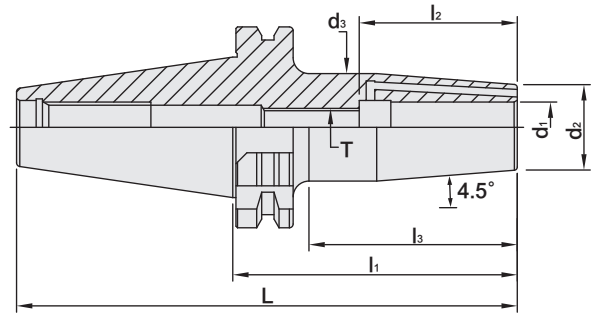
P.W-88

SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole



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MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.16.080B	SDAT40 x SFC16 - 80 - CP	148.4	80	50	55.8	16	27	34	M12	200	1.09
66.651.16.130B	SDAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
66.651.16.160B	SDAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
66.651.16.200B	SDAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
66.651.18.080B	SDAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
66.651.18.130B	SDAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
66.651.18.160B	SDAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
66.651.18.200B	SDAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
66.651.20.080B	SDAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
66.651.20.130B	SDAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
66.651.20.160B	SDAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
66.651.20.200B	SDAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
66.651.25.100B	SDAT40 x SFC25 - 100 - CP	168.4	80	58	80.9	25	44	53	M20	500	1.79
66.651.25.130B	SDAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
66.651.25.160B	SDAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
66.651.25.200B	SDAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
66.651.32.100B	SDAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

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Pull Stud	Preset Screw
	
P.W-63	P.W-88



SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

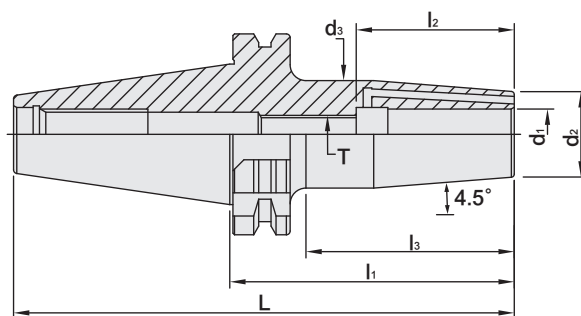
4.5°

Coolant
hole

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.06.080B	SDAT50 x SFC6 - 80 - CP	181.75	80	36	50.9	6	21	27	M5	18	2.81
67.651.06.130B	SDAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
67.651.06.160B	SDAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
67.651.06.200B	SDAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
67.651.08.080B	SDAT50 x SFC8 - 80 - CP	181.75	80	36	50.9	8	21	27	M6	35	2.80
67.651.08.130B	SDAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
67.651.08.160B	SDAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
67.651.08.200B	SDAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
67.651.10.080B	SDAT50 x SFC10 - 80 - CP	181.75	80	42	50.9	10	24	32	M8	65	2.53
67.651.10.130B	SDAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
67.651.10.160B	SDAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
67.651.10.200B	SDAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
67.651.12.080B	SDAT50 x SFC12 - 80 - CP	181.75	80	47	50.9	12	24	32	M10	110	2.52
67.651.12.130B	SDAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
67.651.12.160B	SDAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
67.651.12.200B	SDAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
67.651.14.080B	SDAT50 x SFC14 - 80 - CP	181.75	80	47	50.9	14	27	34	M10	150	2.38
67.651.14.130B	SDAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M10	150	2.60
67.651.14.160B	SDAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M10	150	2.74
67.651.14.200B	SDAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88

SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

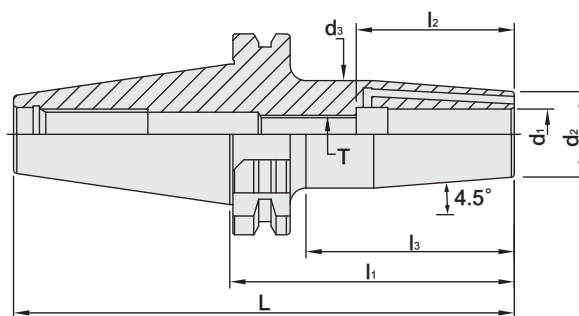
4.5°

Coolant
hole

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.16.080B	SDAT50 x SFC16 - 80 - CP	181.75	80	50	50.9	16	27	34	M12	200	2.87
67.651.16.130B	SDAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
67.651.16.160B	SDAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
67.651.16.200B	SDAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
67.651.18.080B	SDAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
67.651.18.130B	SDAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
67.651.18.160B	SDAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
67.651.18.200B	SDAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
67.651.20.080B	SDAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
67.651.20.130B	SDAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
67.651.20.160B	SDAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
67.651.20.200B	SDAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
67.651.25.100B	SDAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
67.651.25.130B	SDAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
67.651.25.160B	SDAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
67.651.25.200B	SDAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
67.651.32.100B	SDAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Preset Screw



P.W-63

P.W-88



HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

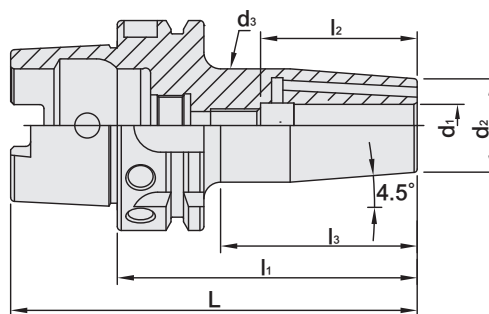
Coolant hole

HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39088B	HSK40A x SFC6 - 80 - CP	100	80	36	57	6	21	27	M5	18	0.41
39090B	HSK40A x SFC8 - 80 - CP	100	80	36	57	8	21	27	M6	35	0.40
39092B	HSK40A x SFC10 - 85 - CP	105	85	42	64	10	24	32	M8	65	0.49
39094B	HSK40A x SFC12 - 90 - CP	110	90	47	69	12	24	32	M10	110	0.50
39096B	HSK40A x SFC14 - 90 - CP	110	90	47	69	14	27	34	M10	150	0.56
39098B	HSK40A x SFC16 - 90 - CP	110	90	47	69	16	27	34	M12	200	0.53
39106B	HSK50A x SFC6 - 80 - CP	105	80	36	49	6	21	27	M5	18	0.58
39108B	HSK50A x SFC8 - 80 - CP	105	80	36	49	8	21	27	M6	35	0.57
39110B	HSK50A x SFC10 - 85 - CP	110	85	42	54	10	24	32	M8	65	0.65
39112B	HSK50A x SFC12 - 90 - CP	115	90	47	59	12	24	32	M10	110	0.66
39114B	HSK50A x SFC14 - 90 - CP	115	90	47	59	14	24	32	M10	150	0.65
39116B	HSK50A x SFC16 - 95 - CP	120	95	50	64	16	27	34	M12	200	0.72
39118B	HSK50A x SFC18 - 95 - CP	120	95	52	67	18	33	42	M12	250	0.89
39120B	HSK50A x SFC20 - 100 - CP	125	100	52	73	20	33	42	M16	320	0.90
39122B	HSK50A x SFC25 - 115 - CP	140	115	47	88	20	44	53	M20	550	1.39

Features:

▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-66



P.W-88



P.W-66

HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

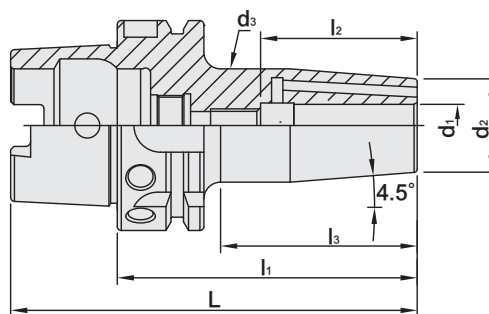
Coolant hole

HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39136B	HSK63A x SFC6 - 80 - CP	112	80	36	51	6	21	27	M5	18	0.83
39138B	HSK63A x SFC8 - 80 - CP	112	80	36	51	8	21	27	M6	35	0.83
39140B	HSK63A x SFC10 - 85 - CP	117	85	42	54	10	24	32	M8	65	0.91
39142B	HSK63A x SFC12 - 90 - CP	122	90	47	59	12	24	32	M10	110	0.92
39144B	HSK63A x SFC14 - 90 - CP	122	90	47	59	14	27	34	M10	150	0.97
39146B	HSK63A x SFC16 - 95 - CP	127	95	50	64	16	27	34	M12	200	0.98
39148B	HSK63A x SFC18 - 95 - CP	127	95	50	64	18	33	42	M12	250	1.15
39157B	HSK63A x SFC19 - 100 - CP	132	100	60	69	19	33	42	-	320	1.14
39150B	HSK63A x SFC20 - 100 - CP	132	100	52	69	20	33	42	M16	320	1.17
39158B	HSK63A x SFC24 - 115 - CP	147	115	72	88.6	24	44	53	-	500	1.69
39152B	HSK63A x SFC25 - 115 - CP	147	115	58	88	25	44	53	M20	500	1.74
39154B	HSK63A x SFC32 - 120 - CP	152	120	58	93	32	44	53	M20	550	1.67
39183B	HSK100A x SFC6 - 85 - CP	135	85	36	46	6	21	27	M5	18	2.21
39184B	HSK100A x SFC8 - 85 - CP	135	85	36	46	8	21	27	M6	35	2.20
39185B	HSK100A x SFC10 - 90 - CP	140	90	42	51	10	24	32	M8	65	2.28
39186B	HSK100A x SFC12 - 95 - CP	145	95	47	56	12	24	32	M10	110	2.30
39188B	HSK100A x SFC14 - 95 - CP	145	95	47	56	14	27	34	M10	150	2.35
39190B	HSK100A x SFC16 - 100 - CP	150	100	50	61	16	27	34	M12	200	2.36
39192B	HSK100A x SFC18 - 100 - CP	150	100	50	66	18	33	42	M12	250	2.52
39193B	HSK100A x SFC19 - 105 - CP	155	105	60	71	19	33	42	-	320	2.48
39194B	HSK100A x SFC20 - 105 - CP	155	105	52	71	20	33	42	M16	320	2.53
39195B	HSK100A x SFC24 - 115 - CP	165	115	72	81	24	44	53	-	500	2.97
39196B	HSK100A x SFC25 - 115 - CP	165	115	58	81	25	44	53	M20	500	3.04
39198B	HSK100A x SFC32 - 120 - CP	170	120	58	86	32	44	53	M20	550	2.98

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
 P.W-66	 P.W-88	 P.W-66



HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

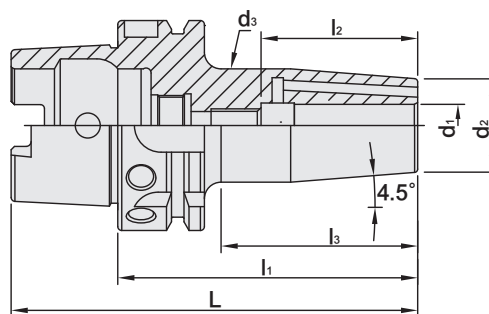
Coolant hole

HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39204B	HSK125A x SFC10 - 130 - CP	193	130	42	75	10	24	32	M8	65	4.39
39204B - 160	HSK125A x SFC10 - 160 - CP	223	160	42	75	10	24	32	M8	65	5.25
39204B - 200	HSK125A x SFC10 - 200 - CP	263	200	42	75	10	24	32	M8	65	6.37
39206B	HSK125A x SFC12 - 130 - CP	193	130	47	75	12	24	32	M10	110	4.37
39206B - 160	HSK125A x SFC12 - 160 - CP	223	160	47	75	12	24	32	M10	110	5.23
39206B - 200	HSK125A x SFC12 - 200 - CP	263	200	47	75	12	24	32	M10	110	6.35
39210B	HSK125A x SFC16 - 130 - CP	193	130	50	75	16	27	34	M12	200	4.65
39210B - 160	HSK125A x SFC16 - 160 - CP	223	160	50	75	16	27	34	M12	200	5.61
39210B - 200	HSK125A x SFC16 - 200 - CP	263	200	50	75	16	27	34	M12	200	6.45
39214B	HSK125A x SFC20 - 115 - CP	178	115	52	60	20	33	42	M16	320	4.50
39214B - 130	HSK125A x SFC20 - 130 - CP	193	130	52	75	20	33	42	M16	320	4.64
39214B - 160	HSK125A x SFC20 - 160 - CP	223	160	52	75	20	33	42	M16	320	5.60
39214B - 200	HSK125A x SFC20 - 200 - CP	263	200	52	75	20	33	42	M16	320	6.86
39216B	HSK125A x SFC25 - 115 - CP	178	115	58	60	25	44	53	M20	500	4.85
39216B - 130	HSK125A x SFC25 - 130 - CP	193	130	58	75	25	44	53	M20	500	5.08
39216B - 160	HSK125A x SFC25 - 160 - CP	223	160	58	75	25	44	53	M20	500	6.17
39216B - 200	HSK125A x SFC25 - 200 - CP	263	200	58	75	25	44	53	M20	500	7.59
39218B	HSK125A x SFC32 - 120 - CP	183	120	58	65	32	44	53	M20	550	4.79

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-66



P.W-88



P.W-66

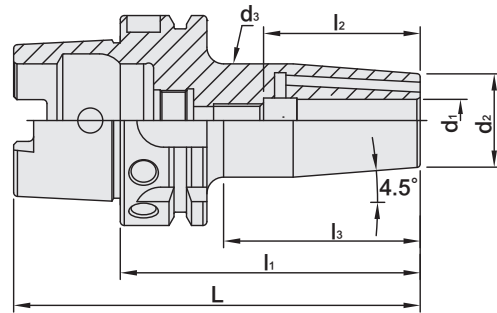
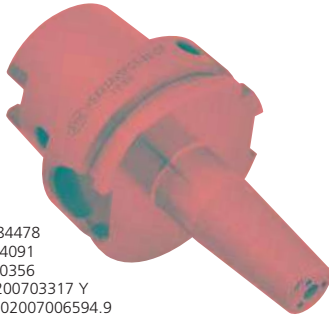
HSK / SFC SHRINK FIT CHUCK

with CP coolant hole



HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39004B	HSK40A x SFC1/4" - 3.54" - CP	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.41
39006B	HSK40A x SFC5/16" - 3.54" - CP	4.33	3.54	1.42	2.63	0.3125	0.79	1.06	M6	35	0.43
39008B	HSK40A x SFC3/8" - 3.54" - CP	4.33	3.54	1.53	2.67	0.375	0.94	1.26	M8	65	0.52
39010B	HSK40A x SFC1/2" - 3.54" - CP	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.58
39018B	HSK50A x SFC1/4" - 3.54" - CP	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.58
39020B	HSK50A x SFC5/16" - 3.54" - CP	4.53	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.60
39022B	HSK50A x SFC3/8" - 3.54" - CP	4.53	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
39024B	HSK50A x SFC1/2" - 3.54" - CP	4.53	3.54	1.85	2.4	0.5	1.1	1.34	M10	110	0.74
39025B	HSK50A x SFC5/8" - 3.54" - CP	4.53	3.54	1.97	2.4	0.625	1.06	1.34	M12	200	0.69
39026B	HSK50A x SFC3/4" - 3.94" - CP	4.93	3.94	2.04	2.89	0.75	1.42	1.65	M16	320	0.91
39032B	HSK63A x SFC1/4" - 3.94" - CP	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.88
39034B	HSK63A x SFC5/16" - 3.94" - CP	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.90
39036B	HSK63A x SFC3/8" - 3.94" - CP	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.00
39038B	HSK63A x SFC1/2" - 3.94" - CP	5.2	3.94	1.85	2.71	0.5	1.1	1.38	M10	110	1.08
39039B	HSK63A x SFC5/8" - 3.94" - CP	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.01
39040B	HSK63A x SFC3/4" - 3.94" - CP	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.25
39042B	HSK63A x SFC1" - 3.94" - CP	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12
39306B	HSK100A x SFC1/4" - 3.54" - CP	5.51	3.54	1.26	2.04	0.25	0.71	1.03	M5	18	2.17
39308B	HSK100A x SFC5/16" - 3.35" - CP	5.51	3.35	1.42	2	0.3125	0.79	1.06	M6	18	2.17
39310B	HSK100A x SFC3/8" - 3.54" - CP	5.51	3.54	1.89	2.2	0.375	0.94	1.26	M8	35	2.27
39314B	HSK100A x SFC1/2" - 3.74" - CP	5.71	3.74	2.04	2.4	0.5	1.1	1.34	M10	65	2.36
39318B	HSK100A x SFC5/8" - 3.94" - CP	5.91	3.94	2.16	2.4	0.625	1.06	1.34	-	110	2.34
39320B	HSK100A x SFC3/4" - 4.13" - CP	6.1	4.13	2.04	2.79	0.75	1.42	1.65	M16	320	2.62
39324B	HSK100A x SFC1" - 4.53" - CP	6.5	4.53	2.28	2.99	1	1.81	2.09	M20	500	3.13
39326B	HSK100A x SFC1-1/4" - 4.72" - CP	6.69	4.72	2.28	3.18	1.25	2.09	1.81	M20	550	3.07

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Preset Screw	Key For Coolant Supply Unit
P.W-66	P.W-88	P.W-66

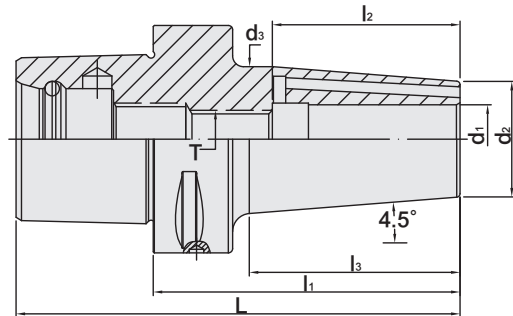


PSC / SFC SHRINK FIT CHUCK

with CP coolant hole



PSC / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR.200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
140.651.06.060B	PSC32 x SFC6 - 60 - CP	79	60	36	40	6	12	18	M5	0.17
140.651.08.107B	PSC32 x SFC8 - 107 - CP	126	107	36	61	8	20	26	M6	0.43
140.651.10.095B	PSC32 x SFC10 - 95 - CP	114	95	42	81	10	24	32	M8	0.50
140.651.12.084B	PSC32 x SFC12 - 84 - CP	103	84	47	69	12	24	32	M10	0.41
141.651.06.075B	PSC40 x SFC6 - 75 - CP	99	75	36	53	6	20	26	M5	0.40
141.651.08.075B	PSC40 x SFC8 - 75 - CP	99	75	36	53	8	20	26	M6	0.40
141.651.10.075B	PSC40 x SFC10 - 75 - CP	99	75	42	54	10	24	32	M8	0.50
141.651.12.075B	PSC40 x SFC12 - 75 - CP	99	75	47	54	12	24	32	M10	0.50
141.651.14.080B	PSC40 x SFC14 - 80 - CP	104	80	47	59	14	27	34	M10	0.60
141.651.16.080B	PSC40 x SFC16 - 80 - CP	104	80	50	59	16	27	34	M12	0.50
141.651.18.080B	PSC40 x SFC18 - 80 - CP	104	80	52	59	18	33	42	M12	0.70
141.651.20.085B	PSC40 x SFC20 - 85 - CP	109	85	52	64	20	33	42	M16	0.70
142.651.06.075B	PSC50 x SFC6 - 75 - CP	105	75	36	53	6	20	26	M5	0.60
142.651.08.075B	PSC50 x SFC8 - 75 - CP	105	75	36	53	8	20	26	M6	0.60
142.651.10.075B	PSC50 x SFC10 - 75 - CP	105	75	42	54	10	24	32	M8	0.70
142.651.12.075B	PSC50 x SFC12 - 75 - CP	105	75	47	59	12	24	32	M10	0.60
142.651.14.080B	PSC50 x SFC14 - 80 - CP	110	80	47	59	14	27	34	M10	0.70
142.651.16.080B	PSC50 x SFC16 - 80 - CP	110	80	50	59	16	27	34	M12	0.70
142.651.18.080B	PSC50 x SFC18 - 80 - CP	110	80	52	59	18	33	42	M12	0.80
142.651.20.085B	PSC50 x SFC20 - 85 - CP	115	85	52	64	20	33	42	M16	0.90
142.651.25.090B	PSC50 x SFC25 - 90 - CP	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw Coolant Supply unit



P.W-88



P.W-66



PSC / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant hole

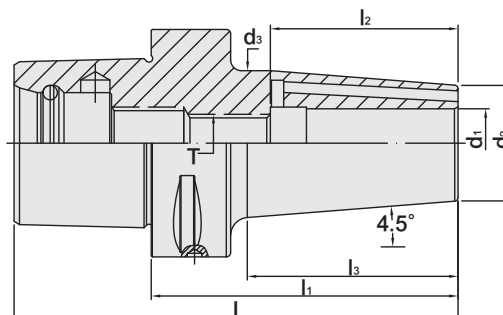
PSC / SFC 熱膨脹刀桿 [出水孔型]



台灣精品 2012
TAIWAN EXCELLENCE



TW PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. U575564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
143.651.06.080B	PSC63 x SFC6 - 80 - CP	118	80	36	53	6	20	26	M5	1.00
143.651.08.080B	PSC63 x SFC8 - 80 - CP	118	80	36	53	8	20	26	M6	0.90
143.651.10.080B	PSC63 x SFC10 - 80 - CP	118	80	52	53	10	24	32	M8	1.00
143.651.12.080B	PSC63 x SFC12 - 80 - CP	118	80	52	56	12	24	32	M10	1.00
143.651.14.085B	PSC63 x SFC14 - 85 - CP	123	85	47	58	14	27	34	M10	1.10
143.651.16.085B	PSC63 x SFC16 - 85 - CP	123	85	52	58	16	27	34	M12	1.10
143.651.18.085B	PSC63 x SFC18 - 85 - CP	123	85	52	58	18	33	42	M12	1.30
143.651.20.085B	PSC63 x SFC20 - 85 - CP	123	85	52	58	20	33	42	M16	1.20
143.651.25.090B	PSC63 x SFC25 - 90 - CP	128	90	58	66	25	44	53	M20	1.50
143.651.32.095B	PSC63 x SFC32 - 95 - CP	133	95	58	71	32	44	53	M20	1.50
144.651.10.090B	PSC80 x SFC10 - 90 - CP	138	90	42	55	10	24	32	M8	1.96
144.651.12.090B	PSC80 x SFC12 - 90 - CP	138	90	47	55	12	24	32	M10	1.94
144.651.16.095B	PSC80 x SFC16 - 95 - CP	143	95	50	60	16	27	34	M12	1.99
144.651.20.095B	PSC80 x SFC20 - 95 - CP	143	95	52	60	20	33	42	M16	2.10
144.651.25.100B	PSC80 x SFC25 - 100 - CP	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw Coolant Supply unit



P.W-88

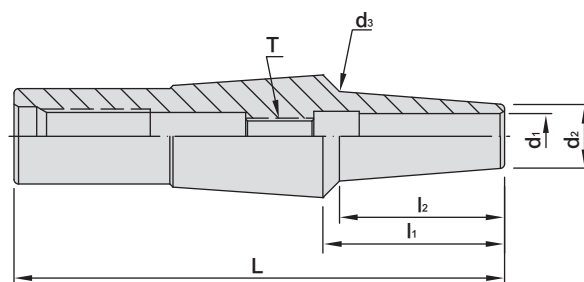


P.W-66



SLF SLIM-FIT SHRINK FIT COLLET CHUCK

SLF 熱膨脹筒夾刀桿



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86308	SLF12 x C3 - 38	93	38	35.8	3	8	13.6	-	0.15
86310	SLF12 x C4 - 38	93	38	35.8	4	8	13.6	-	0.16
86312	SLF12 x C5 - 38	93	38	36.3	5	9	14.7	M4 x 0.7P	0.16
86314	SLF12 x C6 - 38	93	38	36.9	6	10	15.8	M5 x 0.8P	0.18
86316	SLF12 x C8 - 38	93	38	37.9	8	12	17.9	M6 x 1.0P	0.18
86318	SLF12 x C10 - 38	93	38	25.4	10	14	18	M8 x 1.25P	0.18
86322	SLF20 x C3 - 40	108	40	33.1	3	8	13.2	-	0.16
86324	SLF20 x C4 - 40	108	40	33.1	4	8	13.2	-	0.18
86326	SLF20 x C5 - 40	108	40	33.6	5	9	14.29	M4 x 0.7P	0.18
86328	SLF20 x C6 - 40	108	40	34.1	6	10	15.3	M8 x 1.25P	0.18
86330	SLF20 x C8 - 40	108	40	35.2	8	12	17.5	M8 x 1.25P	0.18
86332	SLF20 x C10 - 40	108	40	36.3	10	14	19.7	M8 x 1.25P	0.20
86334	SLF20 x C12 - 40	108	40	37.4	12	16	21.8	M10 x 1.5P	0.20
86336	SLF20 x C14 - 40	108	40	38.5	14	18	24.1	M10 x 1.5P	0.21
86338	SLF20 x C16 - 40	108	40	39.6	16	20	26.2	M12 x 1.75P	0.22

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.
- ▶ Used for SBL collet chucks.

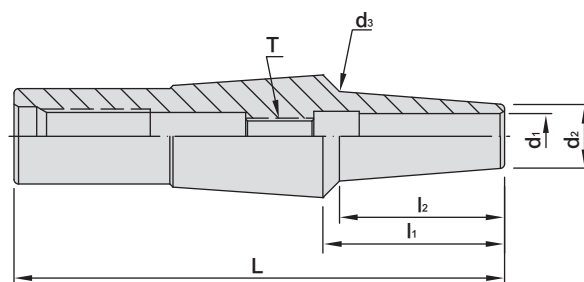
Preset Screw



P.W-88

SLF SLIM-FIT SHRINK FIT COLLET CHUCK

SLF 熱膨脹筒夾刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86352	SLF12 x C1/8" - 1.496"	3.661	1.496	1.41	0.125	0.315	0.536	-	0.16
86354	SLF12 x C3/16" - 1.496"	3.661	1.496	1.41	0.1875	0.315	0.536	-	0.16
86356	SLF12 x C1/4" - 1.496"	3.661	1.496	1.453	0.25	0.394	0.622	M8 x 1.25P	0.18
86358	SLF12 x C5/16" - 1.496"	3.661	1.496	1.495	0.3125	0.472	0.708	M8 x 1.25P	0.18
86360	SLF12 x C3/8" - 1.496"	3.661	1.496	1.41	0.375	0.551	0.708	M8 x 1.25P	0.18
86372	SLF20 x C1/8" - 1.575"	4.252	1.575	1.303	0.125	0.315	0.52	-	0.16
86374	SLF20 x C3/16" - 1.575"	4.252	1.575	1.303	0.1875	0.315	0.52	-	0.18
86376	SLF20 x C1/4" - 1.575"	4.252	1.575	1.346	0.25	0.394	0.605	M8 x 1.25P	0.18
86378	SLF20 x C5/16" - 1.575"	4.252	1.575	1.388	0.3125	0.472	0.691	M8 x 1.25P	0.18
86380	SLF20 x C3/8" - 1.575"	4.252	1.575	1.392	0.375	0.551	0.776	M8 x 1.25P	0.18
86382	SLF20 x C1/2" - 1.575"	4.252	1.575	1.474	0.5	0.63	0.861	M10 x 1.5P	0.20
86384	SLF20 x C5/8" - 1.575"	4.252	1.575	1.517	0.625	0.709	0.947	M12 x 1.75P	0.20

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.
- ▶ Used for SBL collet chucks.

Preset Screw



P.W-88

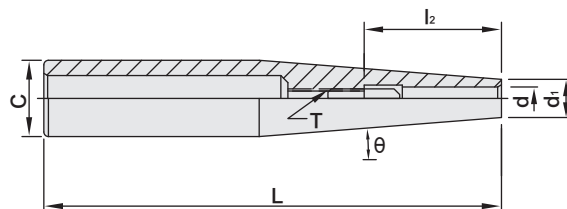


SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

4.5°

直柄 SFC 熱膨脹刀桿



MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
86001	C10 x SFC3 - 120	10	120	20	3	9	-	4.5°	0.12
86002	C10 x SFC4 - 120	10	120	20	4	10	-	-	0.12
86003	C10 x SFC5 - 120	10	120	20	5	10	M4 x 0.7P	-	0.12
86006	C12 x SFC3 - 120	12	120	20	3	9	-	4.5°	0.12
86007	C12 x SFC4 - 120	12	120	20	4	10	-	4.5°	0.12
86008	C12 x SFC5 - 120	12	120	20	5	11	M4 x 0.7P	4.5°	0.12
86009	C12 x SFC6 - 120	12	120	36	6	12	M5 x 0.8P	-	0.12
86012	C16 x SFC3 - 120	16	120	20	3	9	M5 x 0.8P	4.5°	0.12
86014	C16 x SFC4 - 120	16	120	20	4	10	M6 x 1.0P	4.5°	0.12
86016	C16 x SFC5 - 120	16	120	20	5	11	M6 x 1.0P	4.5°	0.12
86018	C16 x SFC6 - 120	16	120	36	6	12	M5 x 0.8P	4.5°	0.12
86020	C16 x SFC8 - 120	16	120	36	8	14	M8 x 1.25P	4.5°	0.13
86022	C16 x SFC10 - 120	16	120	42	10	16	M8 x 1.25P	-	0.12
86024	C16 x SFC12 - 120	16	120	47	12	16	M10 x 1.5P	-	0.16
86026	C20 x SFC3 - 120	20	120	20	3	9	-	4.5°	0.16
86028	C20 x SFC4 - 120	20	120	20	4	10	-	4.5°	0.17
86030	C20 x SFC5 - 120	20	120	20	5	11	M6 x 1.0P	4.5°	0.17
86032	C20 x SFC6 - 120	20	120	36	6	12	M5 x 0.8P	4.5°	0.17
86034	C20 x SFC8 - 120	20	120	36	8	14	M6 x 1.0P	4.5°	0.19
86036	C20 x SFC10 - 120	20	120	42	10	16	M8 x 1.25P	4.5°	0.20
86038	C20 x SFC12 - 120	20	120	47	12	18	M10 x 1.5P	4.5°	0.20
86040	C20 x SFC14 - 120	20	120	47	14	20	M12 x 1.75P	-	0.29
86042	C20 x SFC16 - 120	20	120	47	16	20	M12 x 1.75P	-	0.30
86046	C32 x SFC6 - 120	32	120	36	6	12	M5 x 0.8P	4.5°	0.26
86047	C32 x SFC8 - 120	32	120	36	8	14	M6 x 1.0P	4.5°	0.28
86048	C32 x SFC10 - 120	32	120	42	10	16	M8 x 1.25P	4.5°	0.30
86049	C32 x SFC12 - 120	32	120	47	12	18	M10 x 1.5P	4.5°	0.32
86051	C32 x SFC16 - 120	32	120	50	16	22	M12 x 1.75P	4.5°	0.34

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.

Preset Screw

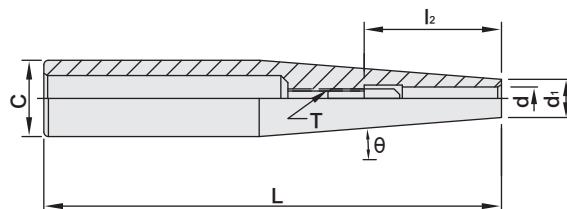
P.W-88

SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

3°

直柄 SFC 熱膨脹刀桿



METRIC

MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
86161	C16 x SFC4 - 150	16	150	20	4	10	-	3°	0.18
86162	C16 x SFC6 - 150	16	150	36	6	12	M5 x 0.8P	3°	0.18
86164	C16 x SFC8 - 150	16	150	36	8	14	M6 x 1.0P	3°	0.18
86168	C20 x SFC6 - 150	20	150	36	6	12	-	3°	0.25
86170	C20 x SFC8 - 150	20	150	36	8	14	-	3°	0.26
86172	C20 x SFC10 - 150	20	150	42	10	16	-	3°	0.24
86178	C25 x SFC6 - 250	25	250	36	6	12	-	3°	0.64
86180	C25 x SFC8 - 250	25	250	36	8	14	-	3°	0.66
86182	C25 x SFC10 - 250	25	250	42	10	16	-	3°	0.64
86184	C25 x SFC12 - 250	25	250	47	12	18	-	3°	0.62

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.

Preset Screw



P.W-88

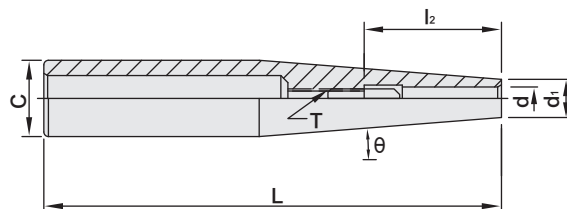


SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

4.5°

直柄 SFC 熱膨脹刀桿



INCHES

MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
86061	C5/8" x SFC3mm - 6.3"	0.625	6.3	0.79	3mm	0.394	-	4.5°	0.18
86062	C5/8" x SFC1/8" - 6.3"	0.625	6.3	0.79	0.125	0.394	-	4.5°	0.18
86064	C5/8" x SFC3/16" - 6.3"	0.625	6.3	0.79	0.1875	0.394	-	4.5°	0.20
86066	C5/8" x SFC1/4" - 6.3"	0.625	6.3	0.79	0.25	0.375	-	4.5°	0.24
86068	C5/8" x SFC5/16" - 6.3"	0.625	6.3	1.417	0.3125	0.472	M6 x 1.0P	4.5°	0.25
86076	C3/4" x SFC1/4" - 6.3"	0.75	6.3	1.417	0.25	0.551	M6 x 1.0P	4.5°	0.25
86080	C3/4" x SFC3/8" - 6.3"	0.75	6.3	1.654	0.375	0.551	M8 x 1.25P	4.5°	0.25
86090	C1" x SFC3/8" - 6.3"	1	6.3	1.654	0.375	0.787	M8 x 1.25P	4.5°	0.25
86092	C1" x SFC1/2" - 6.3"	1	6.3	1.850	0.5	0.787	M10 x 1.5P	4.5°	0.25
86094	C1" x SFC5/8" - 6.3"	1	6.3	1.969	0.625	0.866	M12 x 1.75P	4.5°	0.25

МАШСЕРВИС

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.

Preset Screw

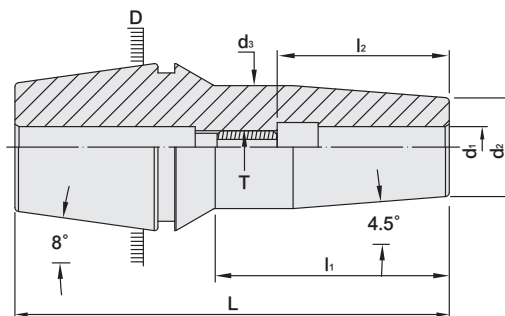


P.W-88

ER / SFE SHRINK FIT COLLET CHUCK

EXTENSION TYPE

ER / SFE 熱膨脹筒夾刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
09270	ER20 SFE3 - 40	71.5	40	18	20	3	8	14	-	0.16
09271	ER20 SFE3 - 60	91.5	60	18	20	3	8	14	-	0.19
09270 - 4	ER20 SFE4 - 40	71.5	40	20	20	4	8	14	-	0.16
09271 - 4	ER20 SFE4 - 60	91.5	60	20	20	4	8	14	-	0.19
09270 - 5	ER20 SFE5 - 40	71.5	40	20	20	5	9	15	M4 x 0.7P	0.16
09271 - 5	ER20 SFE5 - 60	91.5	60	20	20	5	9	15	M4 x 0.7P	0.19
09270 - 6	ER20 SFE6 - 40	71.5	40	36	20	6	10	15	M5 x 0.8P	0.16
09271 - 6	ER20 SFE6 - 60	91.5	60	36	20	6	10	15	M5 x 0.8P	0.19
09275	ER25 SFE3 - 40	74	40	18	25	3	8	14	-	0.15
09276	ER25 SFE3 - 60	94	60	18	25	3	8	14	-	0.18
09275 - 4	ER25 SFE4 - 40	74	40	20	25	4	8	14	-	0.15
09276 - 4	ER25 SFE4 - 60	94	60	20	25	4	8	14	-	0.18
09275 - 5	ER25 SFE5 - 40	74	40	20	25	5	9	15	M4 x 0.7P	0.15
09276 - 5	ER25 SFE5 - 60	94	60	20	25	5	9	15	M4 x 0.7P	0.18
09275 - 6	ER25 SFE6 - 40	74	40	36	25	6	10	16	M5 x 0.8P	0.15
09276 - 6	ER25 SFE6 - 60	94	60	36	25	6	10	16	M5 x 0.8P	0.18

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.
- ▶ Used for ER collet chucks.

Preset Screw



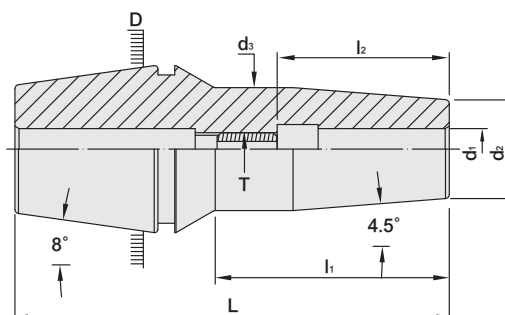
P.W-88



ER / SFE SHRINK FIT COLLET CHUCK

EXTENSION TYPE

ER / SFE 熱膨脹筒夾刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
09282	ER32 SFE3 - 40	80	40	18	32	3	8	14	-	0.15
09283	ER32 SFE3 - 60	100	60	18	32	3	8	14	-	0.18
09284	ER32 SFE3 - 90	130	90	20	32	3	8	14	-	0.21
09282 - 4	ER32 SFE4 - 40	80	40	20	32	4	8	14	-	0.15
09283 - 4	ER32 SFE4 - 60	100	60	20	32	4	8	14	-	0.18
09284 - 4	ER32 SFE4 - 90	130	90	20	32	4	8	14	-	0.21
09282 - 5	ER32 SFE5 - 40	80	40	20	32	5	9	15	M4 x 0.7P	0.15
09283 - 5	ER32 SFE5 - 60	100	60	20	32	5	9	15	M4 x 0.7P	0.18
09284 - 5	ER32 SFE5 - 90	130	90	20	32	5	9	15	M4 x 0.7P	0.21
09282 - 6	ER32 SFE6 - 40	80	40	36	32	6	10	16	M5 x 0.8P	0.15
09283 - 6	ER32 SFE6 - 60	100	60	36	32	6	10	16	M5 x 0.8P	0.18
09284 - 6	ER32 SFE6 - 90	130	90	36	32	6	10	16	M5 x 0.8P	0.21
09282 - 8	ER32 SFE8 - 40	80	40	36	32	8	12	18	M6 x 1.0P	0.15
09283 - 8	ER32 SFE8 - 60	100	60	36	32	8	12	18	M6 x 1.0P	0.18
09284 - 8	ER32 SFE8 - 90	130	90	36	32	8	12	18	M6 x 1.0P	0.21
09282 - 10	ER32 SFE10 - 40	80	40	42	32	10	14	20	M8 x 1.25P	0.15
09283 - 10	ER32 SFE10 - 60	100	60	42	32	10	14	20	M8 x 1.25P	0.18
09284 - 10	ER32 SFE10 - 90	130	90	42	32	10	14	20	M8 x 1.25P	0.21
09282 - 12	ER32 SFE12 - 40	80	40	47	32	12	16	20	M10 x 1.5P	0.15
09283 - 12	ER32 SFE12 - 60	100	60	47	32	12	16	20	M10 x 1.5P	0.18
09284 - 12	ER32 SFE12 - 90	130	90	47	32	12	16	20	M10 x 1.5P	0.21

Features:

- ▶ High rigidity. ▶ Best runout (T.I.R): 5μ. ▶ Slim design. ▶ Easy operation.
- ▶ Used for ER collet chucks.

Preset Screw

P.W-88

Cleaning



Wipe the chuck body carefully to maintain good precision.

Operation Instructions of SFC Shrink Fit Chuck

Measurement



1. The actual ID of Shrink Fit chuck is marked on the flange of the chuck.



2. Measure the tolerance of cutter's shank and make sure the tolerance is correspondent with "Permissible tolerance for SYIC's Shrink Fit chucks."

Heating



1. Put Shrink Fit chuck on the tool adapter.



2. Select the ID of the Shrink Fit chuck on the touch screen.



3. Press heat button for heating.

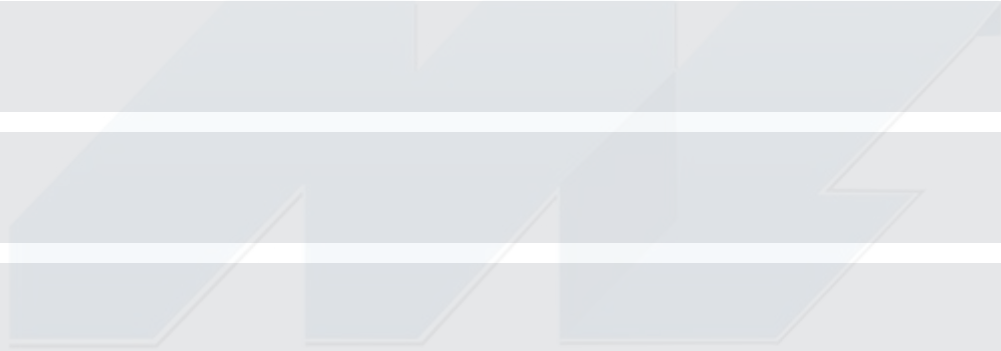


4. After the heating cycle is done, the air cooling cycle will be activated automatically.

Remark:

- ▶ The operation steps of Shrink Fit machines are varied from different brands. Please read the operation guide before using.

MEMO



МАШСЕРВИС

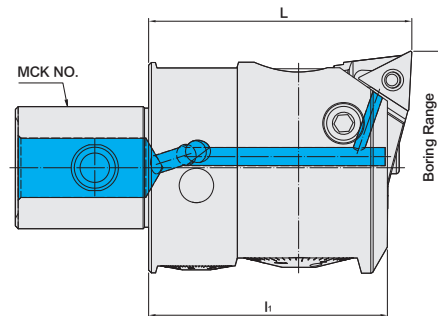


BORING CATEGORY

SMU BLACK KNIGHT FINISH BORING HEAD	M-2
PSC / PCK ROUGH BORING HEAD	M-3
ROUGHING TWIN ADJUSTMENT BORING HEAD	M-3
PSC / PBJ FINISH BORING HEAD	M-4
SBJ BORING HEAD FOR FINISHING	M-4
SBE EXTENDED BORING INSERT SEAT	M-5
SLEEVE FOR TUNGSTEN STEEL TOOL HOLDER	M-6
ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER	M-6
THROW - AWAY BORING HEAD	M-7
BORING CUTTER	M-8
BORING HEAD SHANK SET	M-9
PRECISION BORING HEAD	M-10
PSC / PMB FINISH BORING HEAD	M-11
SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	M-12~13
SRW ROUGHING BORING HEAD	M-14~15
SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	M-16~17
SIMPLIFIED TOOL PRESETTER FOR SRW&SMB BORING HEAD	M-18
BT / SCK BORING HEAD SHANK	M-19~21
BT / MCK BORING HEAD SHANK	M-22~26
CAT / SCK BORING HEAD SHANK	M-27
CAT / MCK BORING HEAD SHANK	M-28
DAT / SCK BORING HEAD SHANK	M-29
DAT / MCK BORING HEAD SHANK	M-30
SBT / SCK BORING HEAD SHANK	M-31~33
SBT / MCK BORING HEAD SHANK	M-34~37
SCAT / SCK BORING HEAD SHANK	M-38
SCAT / MCK BORING HEAD SHANK	M-39
SDAT / SCK BORING HEAD SHANK	M-40
SDAT / MCK BORING HEAD SHANK	M-41
HSK / SCK BORING HEAD SHANK	M-42~43
HSK / MCK BORING HEAD SHANK	M-44~45
PSC / SCK BORING HEAD SHANK	M-46
PSC / MCK BORING HEAD SHANK	M-47~48
STRAIGHT SHANK SCK BORING HEAD SHANK	M-49
STRAIGHT SHANK MCK BORING HEAD SHANK	M-50
SCK EXTENSION SPACER	M-51
MCK EXTENSION SPACER	M-52
PRECISION BT BORING HEAD SHANK	M-53~54
NBH BORING HEAD	M-54
PRECISION DAT BORING HEAD SHANK	M-55
PRECISION BORING HEAD SHANK	M-55
PRECISION BORING HEAD SHANK SET	M-56
BORING HEAD FULL SET	M-57
BYB BORING HEAD	M-58
BYB FINISH BORING HEAD BODY	M-58
BT / BYB BORING HEAD SHANK	M-59
BT SQUARE CUTTER BORING BAR	M-60~61
THROW AWAY BORING CUTTER	M-62~63

SMU BLACK KNIGHT FINISH BORING HEAD

SMU 黑武士精搪頭



T W PAT NO. M500637
D E PAT NO. Nr.202015103584

MODEL NO.	TYPE	MCK NO.	BORING AND PROCESSING AT FRONT			INSERT	SCREW	WRENCH	WEIGHT (KGS)
			BORING RANGE	L	l ₁				
19590	SMU32	MCK3	32 ~ 42	40	37	TC..1102	M2.5-6.0-3.5-60	T8	0.20
19591	SMU41	MCK4	41 ~ 54	47	43	TC..1102	M2.5-6.0-3.5-60	T8	0.40
19592	SMU53	MCK5	53 ~ 70	57	53	TC..1102	M2.5-6.0-3.5-60	T8	0.80
19593	SMU68	MCK6	68 ~ 100	71	67	TC..1102	M2.5-6.0-3.5-60	T8	1.65

МАШСЕРВИС

Features:

- ▶ Micrometric adjustment on the diameters.
- ▶ Exchangeable insert seat is easy and convenient for replacement.
- ▶ Balancing adjustments can be made by users.
- ▶ Special surface structure to absorb shock and drain external water away.
- ▶ Surface treatment of matte finish for anti-glare and acid corrosion prevention.
- ▶ SMU is designed to have a coolant hole, which can remove the metal chips effectively and it's durable for coolant pressure up to 1,300 PSI.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

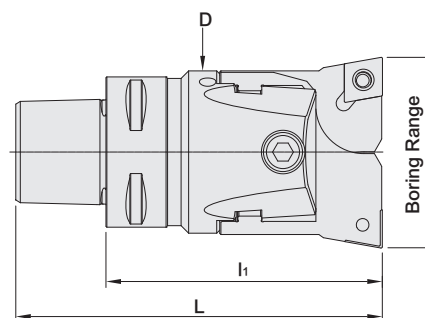
PSC / PCK ROUGH BORING HEAD

ONE-PIECE TYPE

PSC / PCK 可調整式雙刃粗搪孔頭 [一體式]



台灣精品 2015
TAIWAN EXCELLENCE



MODEL NO.	TYPE	BORING RANGE		L	l ₁	D	INSERT	SCREW	WRENCH	WEIGHT (KGS)
		MIN.	MAX.							
140.650.39.080	PSC32 x PCK3950 - 80	39	50	99	80	32	CC..09T3	M4 - 10 - 5.7 - 60	T15	0.49
141.650.49.082	PSC40 x PCK4965 - 82	49	65	106	82	42	CC..1204	M5 - 11 - 7.5 - 60	T20	0.49
142.650.63.092	PSC50 x PCK6382 - 92	63	82	122	92	54	CC..1204	M5 - 11 - 7.5 - 60	T20	0.70
143.650.80.140	PSC63 x PCK80102 - 140	80	102	178	140	68	CC..1204	M5 - 9.2 - 7.6 - 60	T20	3.60

Product information:

- ▶ With the design of PSC one piece boring head to lock with adapters, the total length is shorter than old design and the rigidity and stability are improved!
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



For adapters, please refer to

Adapter	Page	Adapter	Page
BT	▶ A-61	SCAT	▶ E-20
CAT	▶ B-27	SDAT	▶ F-21
DAT	▶ C-34	HSK	▶ G-38
SBT	▶ D-50	PSC	▶ H-49-50

ROUGHING TWIN ADJUSTMENT BORING HEAD

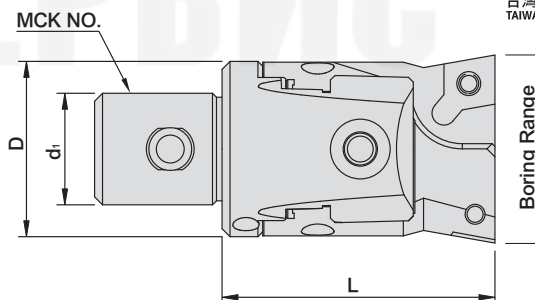
SCK 可調整式雙刃粗搪孔頭



台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M280258
T W PAT NO. M337434
J P PAT NO. 3141963
E S PAT NO. 1067716
C H PAT NO. ZL200820102789.1



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	Boring Range		d ₁	L	D	INSERT	SCREW	WRENCH	WEIGHT (KGS)
			MIN.	MAX.							
17602	SCK2430 - C	MCK2	24	30	14	34	22	CC..0602	M2.5-6.45-3.7	T8	0.19
17604	SCK2940 - C	MCK2	29	40	14	42	27	CC..09T3	M4-10-5.7-60	T15	0.19
17606	SCK3950 - C	MCK3	39	50	18	45	32	CC..09T3	M4-10-5.7-60	T15	0.19
17608	SCK4965 - C	MCK4	49	65	22	56	42	CC..1204	M5-11-7.5-60	T20	0.10
17612	SCK6382 - C	MCK5	63	82	28	66	54	CC..1204	M5-11-7.5-60	T20	0.20
17614	SCK80102 - C	MCK6	80	102	36	86	68	CC..1204	M5-9.2-7.6-60	T20	2.30
17616	SCK100125 - C	MCK7	100	125	46	100	85	CC..1204	M5-9.2-7.6-60	T20	4.00
17618	SCK125160 - C	MCK7	125	160	46	100	110	CC..1204	M5-9.2-7.6-60	T20	6.16
17620	SCK160220 - C	MCK7	160	220	46	100	145	CC..1204	M5-11-7.5-60	T20	8.10

Product information:

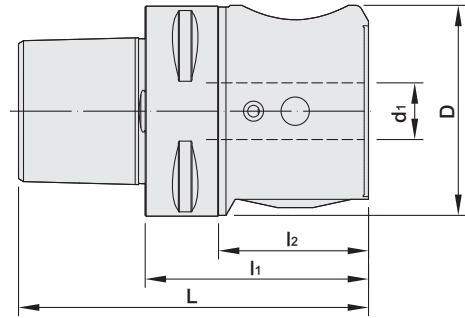
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



PSC / PBJ FINISH BORING HEAD

ONE-PIECE TYPE

PSC / PBJ 高精密搪孔頭 [一體式]



N R PAT NO. 202015103465
J P PAT NO. 3200982

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
141.647.10.48.5	PSC40 x PBJ10 - 48.5	72.5	48.5	28.5	39	10	0.49
142.647.12.056	PSC50 x PBJ12 - 56	86	56	36	50	12	0.91
143.647.16.067	PSC63 x PBJ16 - 67	105	67	45	63.5	16	1.76

For adapters, please refer to

Adapter	Page	Adapter	Page
BT	▶ A-61	SCAT	▶ E-20
CAT	▶ B-27	SDAT	▶ F-21
DAT	▶ C-34	HSK	▶ G-38
SBT	▶ D-50	PSC	▶ H-49~50

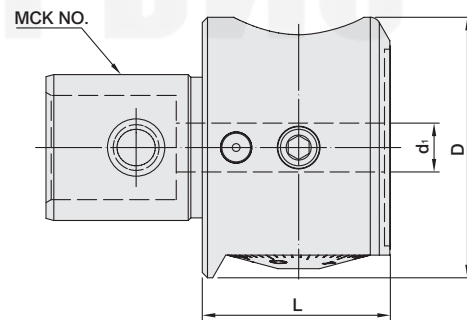
Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



SBJ BORING HEAD FOR FINISHING

SBJ 高精密搪孔頭



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	BORING RANGE	L	D	d ₁	WEIGHT (KGS)
19522	SBJ10	MCK4	8 - 22	28.5	39	10	0.25
19524	SBJ12	MCK5	8 - 32	36	50	12	0.50
19526	SBJ16	MCK6	8 - 50	45	63.5	16	1.00

Product information:

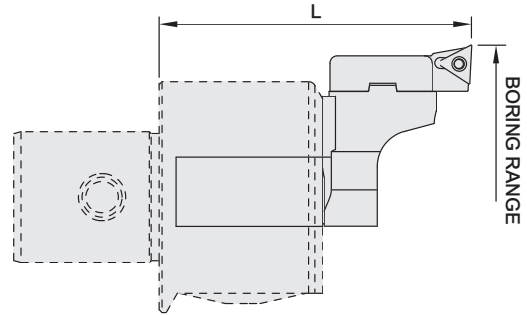
- ▶ Can choose the shank for boring head fit for the machine spindle.
- ▶ Boring head only, not including shank and cutter.

SBE EXTENDED BORING INSERT SEAT

SBE 延伸搪孔刀座



台灣精品 2013
TAIWAN EXCELLENCE



T W PAT NO. M378059
T W PAT NO. M378058
T W PAT NO. M446035
J P PAT NO. 3159159
J P PAT NO. 3183047
C N PAT NO. ZL201220574428.3
D E PAT NO. Nr.20201000051.3
U S PAT NO. US9156091 B2

MODEL NO.	TYPE	SBJ NO.	INSERT SEAT	INSERT	BORING AND PROCESSING AT FRONT		WEIGHT (KGS)
					BORING RANGE	L	
158.684.0	SBE - 0	SBJ16	SIC53 - 1	TP09 / TC11	48 - 60	127	0.16
				TP09 / TC11	60 - 72	127	0.16
				TP09 / TC11	72 - 85	127	0.16
158.684.1	SBE - 1	SBJ16	SIC68 - 1	TP09 / TC11	84 - 96	85.5	0.18
158.684.2	SBE - 2	SBJ16	SIC68 - 2	TP09 / TC11	95 - 107	85.5	0.18
				TP09 / TC11	120 - 132	86	0.18
				TP09 / TC11	145 - 157	85.5	0.18
158.684.3	SBE - 3	SBJ16	SIC68 - 1	TP09 / TC11	130 - 142	85.5	0.20
				TP09 / TC11	156 ~ 168	86	0.20
				TP09 / TC11	180 ~ 192	85.5	0.20
158.684.4	SBE - 4	SBJ16	SIC68 - 3	TP09 / TC11	142 ~ 154	85.5	0.24
				TP09 / TC11	168 ~ 180	86	0.24
				TP09 / TC11	192 ~ 202	85.5	0.24

ACCESSORIES

INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8
TC..1102	M2.5-6.0-3.5-60	T8

SBJ16 BORING HEAD

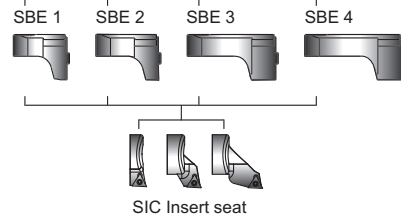


SB

SBD

TYPES FOR INSERT SEAT:

INSERT	DRAWING	INSERT	DRAWING
SIC53 - 1		SIC53 - 1E	
SIC68 - 1		SIC68 - 1E	
SIC68 - 2		SIC68 - 2E	
SIC68 - 3		SIC68 - 3E	



Features:

- ▶ Depending on the range of work piece's diameter, using SBE Extended Boring Insert Seat to enlarge the range of processing and can solve the difficulty of processing different work piece's diameter.
- ▶ To enlarge the range of processing it is easy to operate by only exchanging the insert seat.
- ▶ According to different processing material, operators choose suitable inserts which can increase precision, stability, and have excellent metal chips removal capability.
- ▶ Suitable for SBJ-16(SYIC-19526).

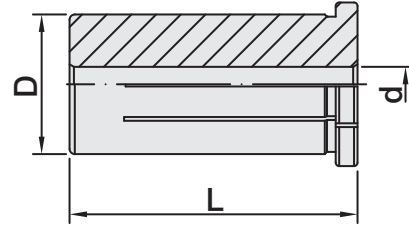
Product information:

- ▶ Tool holders, SBJ Boring head for finishing, and Inserts need to be purchased additionally.



SLEEVE FOR TUNGSTEN STEEL TOOL HOLDER

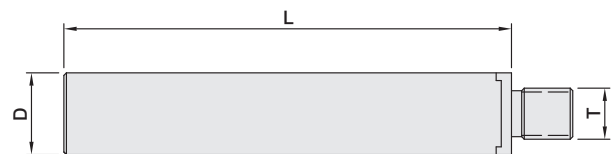
鎢鋼刀柄專用套筒



MODEL NO.	TYPE	L	D	d	WEIGHT (KGS)
82790 - 4	SBJ - 10 - 4K	25	10	4	0.01
82790 - 6	SBJ - 10 - 6K	25	10	6	0.01
82790 - 8	SBJ - 10 - 8K	25	10	8	0.01
82791 - 4	SBJ - 12 - 4K	30	12	4	0.01
82791 - 6	SBJ - 12 - 6K	30	12	6	0.01
82791 - 8	SBJ - 12 - 8K	30	12	8	0.01
82791 - 10	SBJ - 12 - 10K	30	12	10	0.01
82792	SBJ - 16 - 8K	37	16	8	0.08
82794	SBJ - 16 - 10K	37	16	10	0.04
82796	SBJ - 16 - 12K	37	16	12	0.02
82798	SBJ - 16 - 14K	37	16	14	0.01

ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER

抗震鎢鋼刀柄



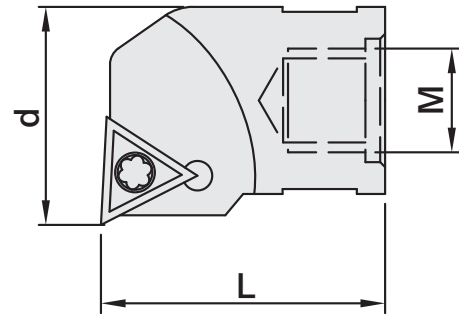
MODEL NO.	TYPE	D	L	T	SUITABLE BORING HEAD	BORING CAPACITY	WEIGHT (KGS)
82712	ST08 - W5 - 100L	8	100	M5	SEB09N	9mm ~ 13mm	0.08
82714	ST10 - W6 - 110L	10	110	M6	SEB12N	12mm ~ 15mm	0.12
82716	ST12 - W6 - 120L	12	120	M6	SEB14N	14mm ~ 17mm	0.21
82718	ST14 - W6 - 160L	14	160	M6	SEB16N	16mm ~ 20mm	0.34
82719	ST16 - W10 - 160L	16	160	M10	SEB18N ~ SEB40N	18mm ~ 42mm	0.45

Features:

- ▶ Boring hole in depth can't exceed 6 times of hole diameter.

THROW - AWAY BORING HEAD

捨棄式搪頭



MODEL NO.	TYPE	BORING CAPACITY	d	L	M	INSERTS	SCREW	WRENCH	WEIGHT (KGS)
82732	SEB09N - TP08	9 - 10.5	9	18	M5	TP..0802	M2-5.0-2.7-60	T6	0.02
82732 - 10.5 - TP08	SEB10.5N - TP08	10.5 - 12	10.5	18	M5	TP..0802	M2-5.0-2.7-60	T6	0.02
82733	SEB12N - TP08	12 - 14	12	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.02
82734	SEB14N - TP08	14 - 16	14	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.02
82735	SEB16N - TP08	16 - 18	16	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.03
82736	SEB18N - TP08	18 - 20	18	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.03
82737	SEB20N - TP08	20 - 22	20	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82738	SEB22N - TP08	22 - 24	22	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82739	SEB24N - TP08	24 - 26	24	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82740	SEB26N - TP08	26 - 28	26	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82741	SEB28N - TP08	28 - 30	28	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82742	SEB30N - TP08	30 - 32	30	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82743	SEB32N - TP08	32 - 34	32	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82744	SEB34N - TP08	34 - 36	34	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82745	SEB36N - TP08	36 - 38	36	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
82746	SEB38N - TP08	38 - 40	38	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82747	SEB40N - TP08	40 - 42	40	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82748	SEB42N - TP08	42 - 44	42	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82749	SEB44N - TP08	44 - 46	44	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82750	SEB46N - TP08	46 - 48	46	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82751	SEB48N - TP08	48 - 50	48	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82751 - 50 - TP08	SEB50N - TP08	50 - 52	50	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
82732 - TB06	SEB09N - 06 - TB06	9 - 10.5	9	18	M5	TB..0601	M2-5.0-2.7-60	T6	0.02
82733 - TB06	SEB12N - 06 - TB06	12 - 14	12	23	M6	TB..0601	M2-5.0-2.7-60	T6	0.02
82734 - TP09	SEB14N - 09 - TP09	14 - 16	14	23	M6	TP..0902	M2.5-6.0-3.5-60	T8	0.02
82735 - TP09	SEB16N - 09 - TP09	16 - 18	16	23	M6	TP..0902	M2.5-6.0-3.5-60	T8	0.03
82736 - TP09	SEB18N - 09 - TP09	18 - 20	18	27	M10	TP..0902	M2.5-6.0-3.5-60	T8	0.03
82737 - TP09	SEB20N - 09 - TP09	20 - 22	20	27	M10	TP..0902	M2.5-6.0-3.5-60	T8	0.04
82738 - TP11	SEB22N - 11 - TP11	22 - 24	22	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82739 - TP11	SEB24N - 11 - TP11	24 - 26	24	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82740 - TP11	SEB26N - 11 - TP11	26 - 28	26	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82741 - TP11	SEB28N - 11 - TP11	28 - 30	28	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82742 - TP11	SEB30N - 11 - TP11	30 - 32	30	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82743 - TP11	SEB32N - 11 - TP11	32 - 34	32	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82744 - TP11	SEB34N - 11 - TP11	34 - 36	34	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.05
82745 - TP11	SEB36N - 11 - TP11	36 - 38	36	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04
82746 - TP11	SEB38N - 11 - TP11	38 - 40	38	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.05
82747 - TP11	SEB40N - 11 - TP11	40 - 42	40	27	M10	TP..1103	M3-8.0-4.0-43	T9	0.04

Product information:

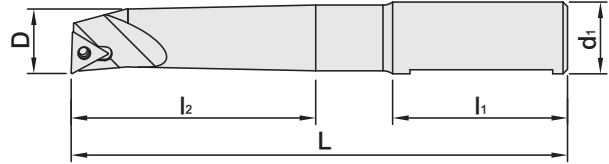
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



BORING CUTTER

INTERCHANGEABLE

替換式 搪孔刀



MODEL NO.	TYPE	BORING CAPACITY	D	d ₁	L	l ₁	l ₂	INSERTS	WEIGHT (KGS)
82372	SBJ - 1008 - 24	8 - 11	8	10	58	25	24	TB..0601	0.02
82374	SBJ - 1010 - 30	10 - 13	10	10	64	25	30	TB..0601	0.04
82376	SBJ - 1012 - 36	12 - 17	12	10	70	25	36	TP..0902	0.04
82378	SBJ - 1016 - 48	16 - 21	16	10	78	25	48	TP..0902	0.08
82380	SBJ - 10 4PCS / SET INCLUDE BOX								
82382	SBJ - 1208 - 28	8 - 11	8	12	67	30	28	TB..0601	0.04
82384	SBJ - 1210 - 35	10 - 13	10	12	74	30	35	TB..0601	0.04
82386	SBJ - 1212 - 42	12 - 17	12	12	81	30	42	TP..0902	0.06
82388	SBJ - 1216 - 56	16 - 21	16	12	95	30	56	TP..0902	0.08
82390	SBJ - 1220 - 70	20 - 26	20	12	105	30	70	TP..1103	0.12
82392	SBJ - 12 5PCS / SET INCLUDE BOX								
82752	SBJ - 1608 - 32	8 - 11	8	16	64	32	32	TB..0601	0.06
82754	SBJ - 1610 - 40	10 - 13	10	16	72	32	40	TB..0601	0.07
82756	SBJ - 1612 - 53	12 - 17	12	16	85	32	53	TP..0902	0.08
82758	SBJ - 1616 - 68	16 - 21	16	16	100	32	68	TP..0902	0.12
82760	SBJ - 1620 - 83	20 - 26	20	16	115	32	83	TP..1103	0.16
82762	SBJ - 1625 - 90	25 - 32	25	16	122	32	90	TP..1103	0.25
82764	SBJ - 1630 - 90	30 - 42	30	16	122	32	90	TP..1103	0.30
82766	SBJ - 1640 - 90	40 - 50	40	16	122	32	90	TP..1103	0.40
82768	SBJ - 16 8PCS / SET INCLUDE BOX								
82772	SBJ - 2008 - 32	8 - 11	8	20	64	32	32	TB..0601	0.09
82774	SBJ - 2010 - 40	10 - 13	10	20	72	32	40	TB..0601	0.11
82776	SBJ - 2012 - 53	12 - 17	12	20	85	32	53	TP..0902	0.11
82778	SBJ - 2016 - 68	16 - 21	16	20	100	32	68	TP..0902	0.15
82780	SBJ - 2020 - 83	20 - 26	20	20	115	32	83	TP..1103	0.20
82782	SBJ - 2025 - 96	25 - 32	25	20	128	32	96	TP..1103	0.30
82784	SBJ - 2030 - 115	30 - 42	30	20	147	32	115	TP..1103	0.50
82786	SBJ - 20 - 20L	280	40	20	97	-	-	TP..1103	0.25
82788	SBJ - 20 8PCS / SET INCLUDE BOX								

ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TB..0601	M2.5-0-2.7-60	T6	TP..1103	M3-8.0-4.0-43	T9
TP..0902	M2.5-6.0-3.5-60	T8			

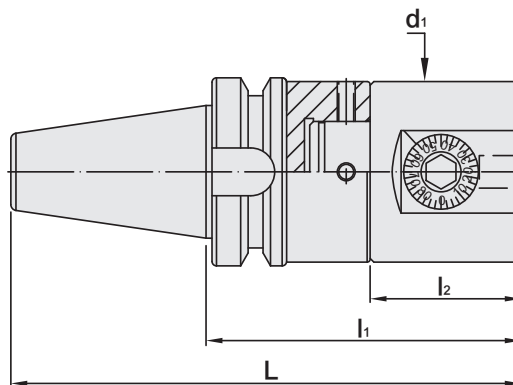
Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

BORING HEAD SHANK SET

PRECISION

高精度搪孔組



MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
17697H - SBJ10	BT30 x SBJ10	66.5	136.9	88.5	28.5	39	1.25
17697H - SBJ12	BT30 x SBJ12	84	154.4	106	36	50	1.60
17697	BT30 x SBJ16	115	153.4	105	45	63.5	2.70
17698H - SBJ10	BT40 x SBJ10	71.5	163.9	98.5	28.5	39	1.70
17698H - SBJ12	BT40 x SBJ12	69	161.4	96	36	50	2.30
17698	BT40 x SBJ16	105	165.4	100	45	63.5	2.24
17699H - SBJ10	BT50 x SBJ10	90	229.8	128.5	28.5	39	5.05
17699H - SBJ12	BT50 x SBJ12	58	197.8	96	36	50	5.90
17699	BT50 x SBJ16	148	231.8	130	45	63.5	5.30
45146	DAT30 x SBJ10	58.5	126.3	78.5	28.5	39	1.55
45151	DAT40 x SBJ10	88.5	176.9	108.5	28.5	39	1.55
45153	DAT40 x SBJ12	111	199.4	131	36	50	1.90
45155	DAT40 x SBJ16	105	178.4	110	45	63.5	2.80
45156	DAT50 x SBJ10	118.5	240.25	138.5	28.5	39	3.65
45158	DAT50 x SBJ12	81	202.75	101	36	50	4.00
45160	DAT50 x SBJ16	148	196.75	95	45	63.5	5.30
82588	C32 x SBJ16	8 ~ 50	153	73	45	63.5	2.4
82590	C42 x SBJ16	8 ~ 50	153	73	45	63.5	2.9
82592	R8 x SBJ16	8 ~ 50	180	73	45	63.5	2.5
82594	NT30 x SBJ16	8 ~ 50	141.4	73	45	63.5	2.3
82596	NT40 x SBJ16	8 ~ 50	168.4	75	45	63.5	2.5
82598	NT50 x SBJ16	8 ~ 50	203.8	77	45	63.5	5.0

Product information:

- ▶ Including shank and boring head, but without boring cutters.
- ▶ Can order lengthened Boring Head Shank by request.
- ▶ The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- ▶ The balancing grade and revolution can be done according to customer's request but the additional charge is needed.
- ▶ Cardboard box packing.



PRECISION BORING HEAD

FULL SET

BT / SBJ 高精密 套裝搪孔頭



MODEL NO.	TYPE	BORING CAPACITY	BOING CUTTER W/O INSERTS	WRENCH
17677 - SBJ10	BT30 x SBJ10	8 ~ 21		2
17678 - SBJ10	BT40 x SBJ10	8 ~ 21	SBJ-1008-24 / SBJ-1010-30 SBJ-1012-36 / SBJ-1016-48	2
17679 - SBJ10	BT50 x SBJ10	8 ~ 21		2
17677 - SBJ12	BT30 x SBJ12	8 ~ 26		2
17678 - SBJ12	BT40 x SBJ12	8 ~ 26	SBJ-1208-28 / SBJ-1210-35 SBJ-1212-42 / SBJ-1216-56	2
17679 - SBJ12	BT50 x SBJ12	8 ~ 26	SBJ-1220-70	2
17677	BT30 x SBJ16	8 ~ 50	SBJ-1608-32 / SBJ-1610-40	2
17678	BT40 x SBJ16	8 ~ 50	SBJ-1612-53 / SBJ-1616-68 SBJ-1620-83 / SBJ-1625-90	2
17679	BT50 x SBJ16	8 ~ 50	SBJ-1630-90 / SBJ-1640-90	2

МАШСЕРВИС

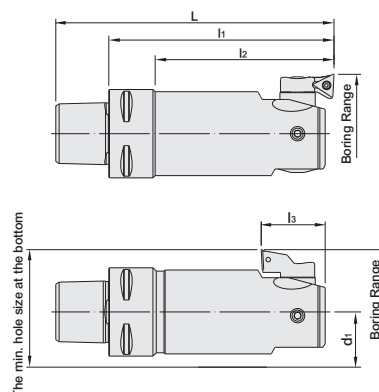
PSC / PMB FINISH BORING HEAD

ONE-PIECE TYPE

PSC / PMB 超微米精搪頭 [一體式]



T W PAT NO. M340139
 T W PAT NO. M363355
 T W PAT NO. M381470
 J P PAT NO. 3154595
 C N PAT NO. ZL200820102784.9
 C N PAT NO. ZL200920139100.7
 D E PAT NO. Nr.202009009848.6
 U S PAT NO. US8109699 B2
 E S PAT NO. 1072386



MODEL NO.	TYPE	INSERT SEAT	INSERT	INSERT SCREW	BORING AND PROCESSING AT FRONT					
					BORING RANGE	L	l ₁	l ₂	l ₃	d ₁
140.657.32.085	PSC32 x PMB32 - 85	SIC32 - 1	TB..06 TP..08	M2-5.0-2.7-60	32 ~ 42	104	85	55	25	16
140.657.32.085	PSC32 x PMB32 - 85	SIC32 - 2	TB..06 TP..08	M2-5.0-2.7-60	41 ~ 51	104	85	55	25	16
140.657.32.085	PSC32 x PMB32 - 85	SIC32 - 3	TB..06 TP..08	M2-5.0-2.7-60	50 ~ 60	104	85	55	25	16
141.657.41.102	PSC40 x PMB41 - 102	SIC41 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	41 ~ 54	126	102	70	29	20
141.657.41.102	PSC40 x PMB41 - 102	SIC41 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	50 ~ 63	126	102	70	29	20
141.657.41.102	PSC40 x PMB41 - 102	SIC41 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	61 ~ 74	126	102	70	29	20
142.657.53.112	PSC50 x PMB53 - 112	SIC53 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	53 ~ 70	142	112	74	34	25.5
142.657.53.112	PSC50 x PMB53 - 112	SIC53 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	65 ~ 82	142	112	74	34	25.5
142.657.53.112	PSC50 x PMB53 - 112	SIC53 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	78 ~ 95	142	112	74	34	25.5
143.657.68.140	PSC63 x PMB68 - 140	SIC68 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	68 ~ 100	178	140	90.8	45.2	32.5
143.657.68.140	PSC63 x PMB68 - 140	SIC68 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	94 ~ 126	178	140	90.8	45.2	32.5
143.657.68.140	PSC63 x PMB68 - 140	SIC68 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	118 ~ 150	178	140	90.8	45.2	32.5

TYPES FOR INSERT SEAT:

SUITABLE FINISH BORING HEAD	TYPE	DRAWING	TYPE	DRAWING
PMB32	SIC32 - 1		SIC32 - 1E	
	SIC32 - 2		SIC32 - 2E	
	SIC32 - 3		SIC32 - 3E	
PMB41	SIC41 - 1		SIC41 - 1E	
	SIC41 - 2		SIC41 - 2E	
	SIC41 - 3		SIC41 - 3E	
PMB53	SIC53 - 1		SIC53 - 1E	
	SIC53 - 2		SIC53 - 2E	
	SIC53 - 3		SIC53 - 3E	
PMB68	SIC68 - 1	SIC68 - 1E		
	SIC68 - 2	SIC68 - 2E		
	SIC68 - 3	SIC68 - 3E		

Product information:

- ▶ With the design of PSC one piece boring head to lock with adapters, the total length is shorter than old design and the rigidity and stability are improved!
- ▶ The body of PMB Finish Boring Head is always designed to have coolant outlet.
- ▶ There are 3 types of insert seats and the boring range can be enlarged by exchanging another insert seat.
- ▶ SIC_-1 insert seat is a standard accessory. SIC_-2 and SIC_-3 insert seats are optional accessories and need to be purchased additionally.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



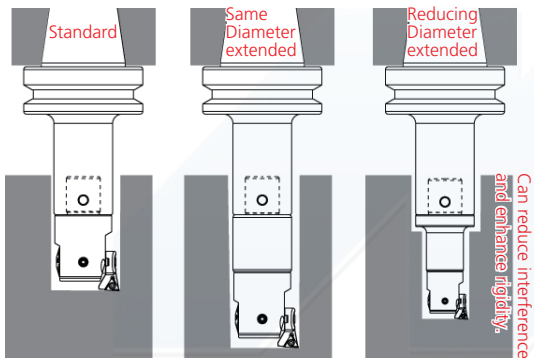
SUPER MICRON EXCHANGEABLE FINISH BORING HEAD



- ▶ For finish boring, boring range is $\phi 20 \sim \phi 203$.
- ▶ Micro-adjustment unit: each unit is 0.01mm.
- ▶ The insert seat is designed to have a coolant hole at the side, which can extend the use life of inserts, remove the metal chips effectively and is good for heat dissipation.
- ▶ The insert seat has an exchangeable design and the boring range can be enlarged. It can remove the metal chips effectively and avoid interference in the boring process.
- ▶ Suitable for combining with SCK tool holder series and can be used with SCK extension spacer (The Same Diameter/Different Diameter).
- ▶ Adjustable screw with almost no thread clearance to enhance adjusting accuracy. The pre-balance of boring head can apply to boring at high speed.
- ▶ SIC insert seat is designed to have less clearance to connect with boring head, having better rigidity, precision and dust-proof function.

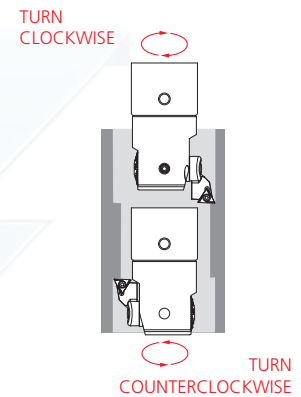


For finish boring, boring range is $\phi 20 \sim \phi 203$.
The design is user-friendly, easy to operate and has multi-functional applications.



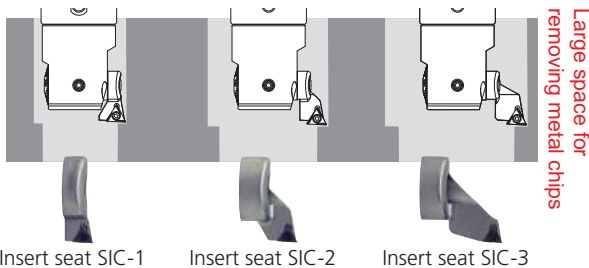
Meet required coaxiality
Back boring by reversing the standard insert seat

In general, users need to reverse the work piece when processing the workpiece by back boring. It not only wastes time but is hard to ensure the coaxiality of the front hole and back hole.
For SMB Finish Boring Head, users just need to reverse the insert seat and can process by back boring. It not only ensures rigidity but also enhances production efficiency.
※ Insert seat SIC-1 can not be used for back boring.



Only need to change insert seat.
Enlarging boring range and improving removal of metal chips.

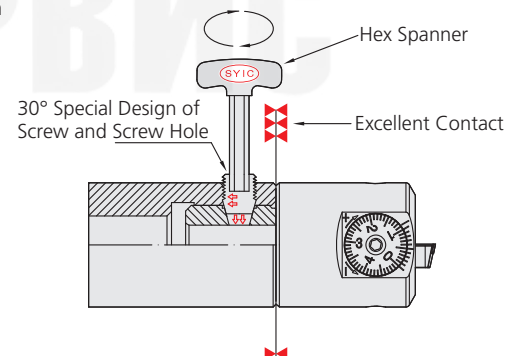
- ▶ New SIC insert seat is designed to have less clearance to connect with boring head, having better rigidity close to the best rigidity of one piece and extending the use life of inserts.
- ▶ There are 3 types of insert seats for exchanging and boring range can be enlarged.
- ▶ Insert seat SIC-2 and Insert seat SIC-3 can be exchanged to enlarge boring ranges, having larger space for removing metal chips and processing by back boring.



Insert seat SIC-1 Insert seat SIC-2 Insert seat SIC-3

Combination of boring head and SCK tool holder

The combination is easy to operate and has good accuracy and stability just by using a hex wrench to tighten the screw.
Special design on rake 30° for the fixed screw, which makes finish boring head tend to the direction of spindle when the fixed screw is tightened, provides perfect face contact for combining face of finish boring head and SCK tool holder.

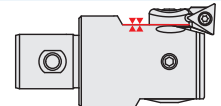


Applicable for high speed boring.
(With pre-balanced design)

The influence of centrifugal force and balance of boring head are considered in our design. Max. boring speed is up to 1000m/min.

No clearance design
Better rigidity, precision and dust-proof function.

SIC insert seat is designed to have almost no clearance to connect with boring head, having better rigidity, precision and dust-proof function.

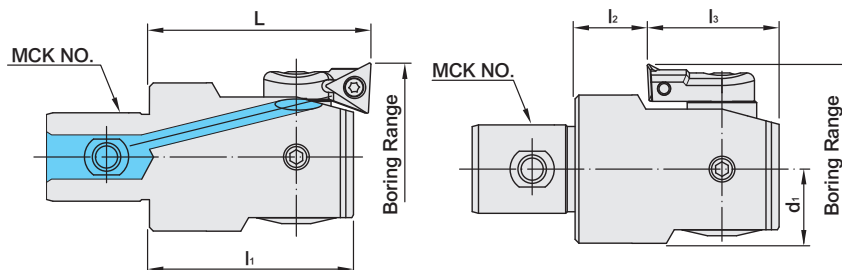


SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

SMB 超微米精搪頭



台灣精品 2009
TAIWAN EXCELLENCE



MODEL NO.	TYPE	MCK NO.	BORING AND PROCESSING AT FRONT			BORING AND PROCESSING AT BACK			WEIGHT (KGS)	
			BORING RANGE	L	l ₁	BORING RANGE	l ₂	l ₃		d ₁
19502	SMB20	MCK1	20 ~ 26	32.5	29.5	-	10.5	19.5	10	0.07
			25 ~ 31	32.5	29.5	30 ~ 31	10.5	19.5	10	0.07
			30 ~ 36	32.5	29.5	30 ~ 36	10.5	19.5	10	0.07
19503	SMB25	MCK2	25 ~ 33	35.5	32.5	-	11.5	21	12.5	0.12
			32 ~ 40	35.5	32.5	36 ~ 40	11.5	21	12.5	0.12
			39 ~ 47	35.5	32.5	39 ~ 47	11.5	21	12.5	0.12
19505	SMB32	MCK3	32 ~ 42	40	35	-	10	25	16	0.21
			41 ~ 51	40	35	46 ~ 51	10	25	16	0.21
			50 ~ 60	40	35	50 ~ 60	10	25	16	0.21
19507	SMB41	MCK4	41 ~ 54	47	43	-	14	29	20	0.40
			50 ~ 63	47	43	53 ~ 63	14	29	20	0.40
			61 ~ 74	47	43	61 ~ 74	14	29	20	0.40
19509	SMB53	MCK5	53 ~ 70	57	53	62 ~ 70	19	34	25.5	1.10
			65 ~ 82	57	53	65 ~ 82	19	34	25.5	1.10
			78 ~ 95	57	53	78 ~ 95	19	34	25.5	1.10
19511	SMB68	MCK6	68 ~ 100	71	67.2	80 ~ 100	22	45.2	32.5	1.74
			94 ~ 126	71	67.2	94 ~ 126	22	45.2	32.5	1.74
			118 ~ 150	71	67.2	118 ~ 150	22	45.2	32.5	1.74
19513	SMB100	MCK6	100 ~ 153	71	67.2	112 ~ 153	22	45.2	45.5	2.46
			126 ~ 179	71	67.2	126 ~ 179	22	45.2	45.5	2.46
			150 ~ 203	71	67.2	150 ~ 203	22	45.2	45.5	2.46

TYPES FOR INSERT SEAT:

TYPE	DRAWING	SUITABLE FINISH BORING HEAD	INSERT	TYPE	DRAWING	SUITABLE FINISH BORING HEAD	INSERT
SIC20 - 1		SMB20	TB06 / TP08	SIC20 - 1E		SMB20	TB06 / TP08
SIC20 - 2				SIC20 - 2E			
SIC20 - 3				SIC20 - 3E			
SIC25 - 1		SMB25	TB06 / TP08	SIC25 - 1E		SMB25	TB06 / TP08
SIC25 - 2				SIC25 - 2E			
SIC25 - 3				SIC25 - 3E			
SIC32 - 1		SMB32	TB06 / TP08	SIC32 - 1E		SMB32	TB06 / TP08
SIC32 - 2				SIC32 - 2E			
SIC32 - 3				SIC32 - 3E			
SIC41 - 1		SMB41	TP09 / TC11	SIC41 - 1E		SMB41	TP09 / TC11
SIC41 - 2				SIC41 - 2E			
SIC41 - 3				SIC41 - 3E			
SIC53 - 1		SMB53	TP09 / TC11	SIC53 - 1E		SMB53	TP09 / TC11
SIC53 - 2				SIC53 - 2E			
SIC53 - 3				SIC53 - 3E			
SIC68 - 1		SMB68 / SMB100	TP09 / TC11	SIC68 - 1E		SMB68 / SMB100	TP09 / TC11
SIC68 - 2				SIC68 - 2E			
SIC68 - 3				SIC68 - 3E			

For example: there are different boring ranges for different insert seats of SMB25.

- ▶ SYIC_-1 insert seat is a standard accessory.
- ▶ SYIC_-2 and SYIC_-3 insert seats are optional accessories and need to be purchased additionally.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

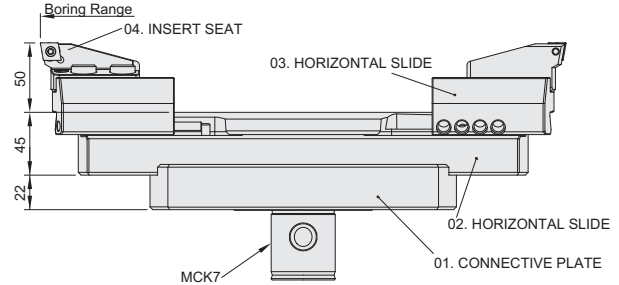
STANDARD INSERT SEAT	OPTIONAL INSERT SEAT	
SIC25 - 1	SIC25 - 2	SIC25 - 3
φ 25 ~ φ 33	φ 32 ~ φ 40	φ 39 ~ φ 47



SRW ROUGHING BORING HEAD

150mm
830mm

SRW 大孔徑粗搪頭 (150mm 以上系列)



MODEL NO.	TYPE	BORING RANGE		01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. HORIZONTAL SLIDE	04. INSERT SEAT	WEIGHT (KGS)
		MIN.	MAX.					
19532	SRW 150A	150	200	SFL135	SSL150 - 200	SCB150 - 200	SRW150A	7.24
19534	SRW 200A	200	270	SFL135	SSL200 - 270	SCB200 - 550	SRW150A	8.85
19536	SRW 270A	270	340	SFL135	SSL270 - 340	SCB200 - 550	SRW150A	10.3
19538	SRW 340A	340	410	SFL135	SSL340 - 410	SCB200 - 550	SRW150A	11.8
19540	SRW 410A	410	480	SFL135	SSL410 - 480	SCB200 - 550	SRW150A	13.2
19542	SRW 480A	480	550	SFL135	SSL480 - 550	SCB200 - 550	SRW150A	14.7
19544	SRW 550A	550	620	SFL220	SSL550 - 620	SCB200 - 550	SRW150A	18.6
19546	SRW 620A	620	690	SFL220	SSL620 - 690	SCB200 - 550	SRW150A	20.1
19548	SRW 690A	690	760	SFL220	SSL690 - 760	SCB200 - 550	SRW150A	21.5
19550	SRW 760A	760	830	SFL220	SSL760 - 830	SCB200 - 550	SRW150A	22.9

ACCESSORIES

INSERT	SCREW	WRENCH
CC..1204	M5-11-7.5-60	T20

Features:

- ▶ Spare parts can be purchased individually.
- ▶ Series for over 150mm manufacturing diameter: ϕ 150mm ~ ϕ 830mm

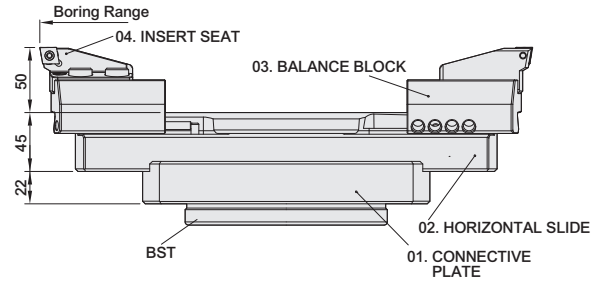
Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

SRW ROUGHING BORING HEAD

150mm
+
830mm

SRW 大孔徑粗搪頭 (150mm 以上系列)



MODEL NO.	TYPE	BORING RANGE		01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. INSERT SEAT	WEIGHT (KGS)
		MIN.	MAX.					
19532 - BST	SRW 150A - BST	150	200	BST135	SSL150 - 200	SCB150 - 200	SRW150A	7.24
19534 - BST	SRW 200A - BST	200	270	BST135	SSL200 - 270	SCB200 - 550	SRW150A	8.85
19536 - BST	SRW 270A - BST	270	340	BST135	SSL270 - 340	SCB200 - 550	SRW150A	10.3
19538 - BST	SRW 340A - BST	340	410	BST135	SSL340 - 410	SCB200 - 550	SRW150A	11.8
19540 - BST	SRW 410A - BST	410	480	BST135	SSL410 - 480	SCB200 - 550	SRW150A	13.2
19542 - BST	SRW 480A - BST	480	550	BST135	SSL480 - 550	SCB200 - 550	SRW150A	14.7
19544 - BST	SRW 550A - BST	550	620	BST 220	SSL550 - 620	SCB200 - 550	SRW150A	18.6
19546 - BST	SRW 620A - BST	620	690	BST 220	SSL620 - 690	SCB200 - 550	SRW150A	20.1
19548 - BST	SRW 690A - BST	690	760	BST 220	SSL690 - 760	SCB200 - 550	SRW150A	21.5
19550 - BST	SRW 760A - BST	760	830	BST 220	SSL760 - 830	SCB200 - 550	SRW150A	22.9

ACCESSORIES

INSERT	SCREW	WRENCH
CC..1204	M5-11-7.5-60	T20

МАШСЕРВИС

Features:

- ▶ Spare parts can be purchased individually.
- ▶ Series for over 150mm manufacturing diameter: ϕ 150mm ~ ϕ 830mm

Product information:

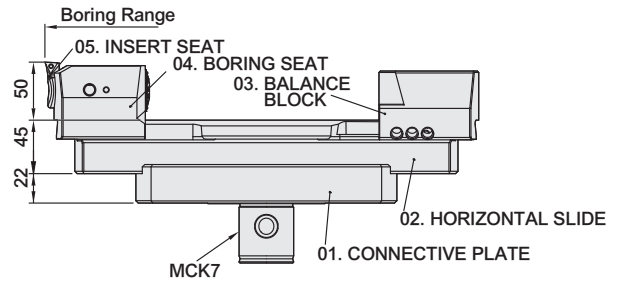
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

150mm
830mm

SMB 大孔徑精搪頭 (150mm 以上系列)



MODEL NO.	TYPE	01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. BORING SEAT	05. INSERT SEAT	BORING RANGE	INSERT	WEIGHT (KGS)
19562	SMB150	SFL135	SSL150~200	SWB150~200	SMB150L	SIC68-1	150~200	TP09/TC11	10.6
						SIC68-2	176~226	TP09/TC11	10.6
19564	SMB200	SFL135	SSL200~270	SWB200~550	SMB150L	SIC68-3	200~250	TP09/TC11	10.6
						SIC68-1	200~270	TP09/TC11	11.6
						SIC68-2	226~296	TP09/TC11	11.6
19566	SMB270	SFL135	SSL270~340	SWB200~550	SMB150L	SIC68-3	250~320	TP09/TC11	11.6
						SIC68-1	270~340	TP09/TC11	13.0
						SIC68-2	296~366	TP09/TC11	13.0
19568	SMB340	SFL135	SSL340~410	SWB200~550	SMB150L	SIC68-3	320~390	TP09/TC11	13.0
						SIC68-1	340~410	TP09/TC11	14.4
						SIC68-2	366~436	TP09/TC11	14.4
19570	SMB410	SFL135	SSL410~480	SWB200~550	SMB150L	SIC68-3	390~460	TP09/TC11	14.4
						SIC68-1	410~480	TP09/TC11	15.8
						SIC68-2	436~506	TP09/TC11	15.8
19572	SMB480	SFL135	SSL480~550	SWB200~550	SMB150L	SIC68-3	460~530	TP09/TC11	15.8
						SIC68-1	480~550	TP09/TC11	17.2
						SIC68-2	506~576	TP09/TC11	17.2
19574	SMB550	SFL220	SSL550~620	SWB200~550	SMB150L	SIC68-3	530~600	TP09/TC11	17.2
						SIC68-1	550~620	TP09/TC11	20.0
						SIC68-2	576~646	TP09/TC11	20.0
19576	SMB620	SFL220	SSL620~690	SWB200~550	SMB150L	SIC68-3	600~670	TP09/TC11	20.0
						SIC68-1	620~690	TP09/TC11	21.4
						SIC68-2	646~716	TP09/TC11	21.4
19578	SMB690	SFL220	SSL690~760	SWB200~550	SMB150L	SIC68-3	670~740	TP09/TC11	21.4
						SIC68-1	690~760	TP09/TC11	22.9
						SIC68-2	716~786	TP09/TC11	22.9
19580	SMB760	SFL220	SSL760~830	SWB200~550	SMB150L	SIC68-3	740~810	TP09/TC11	22.9
						SIC68-1	760~830	TP09/TC11	24.3
						SIC68-2	786~856	TP09/TC11	24.3
						SIC68-3	810~880	TP09/TC11	24.3

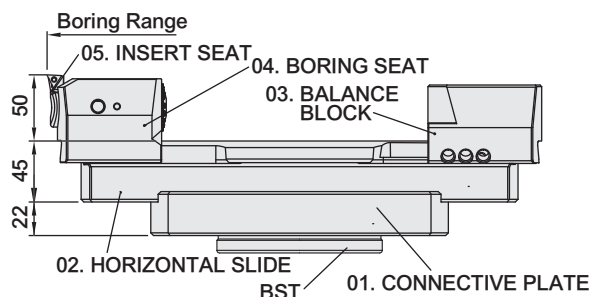
ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8	TC..1102	M2.5-6.0-3.5-60	T8

SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

150mm
+
830mm

SMB 大孔徑精搪頭 (150mm 以上系列)



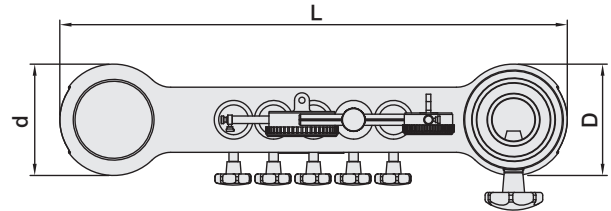
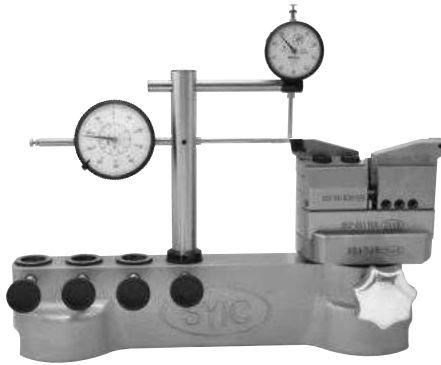
MODEL NO.	TYPE	01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. BORING SEAT	05. INSERT SEAT	BORING RANGE	INSERT	WEIGHT (KGS)
19562-BST	SMB150-BST	BST135	SSL150~200	SWB150~200	SMB150L	SIC68-1	150~200	TP09/TC 11	10.6
						SIC68-2	176~226	TP09/TC 11	10.6
						SIC68-3	200~250	TP09/TC 11	10.6
19564-BST	SMB200-BST	BST135	SSL200~270	SWB200~550	SMB150L	SIC68-1	200~270	TP09/TC 11	11.6
						SIC68-2	226~296	TP09/TC 11	11.6
						SIC68-3	250~320	TP09/TC 11	11.6
19566-BST	SMB270-BST	BST135	SSL270~340	SWB200~550	SMB150L	SIC68-1	270~340	TP09/TC 11	13.0
						SIC68-2	296~366	TP09/TC 11	13.0
						SIC68-3	320~390	TP09/TC 11	13.0
19568-BST	SMB340-BST	BST135	SSL340~410	SWB200~550	SMB150L	SIC68-1	340~410	TP09/TC 11	14.4
						SIC68-2	366~436	TP09/TC 11	14.4
						SIC68-3	390~460	TP09/TC 11	14.4
19570-BST	SMB410-BST	BST135	SSL410~480	SWB200~550	SMB150L	SIC68-1	410~480	TP09/TC 11	15.8
						SIC68-2	436~506	TP09/TC 11	15.8
						SIC68-3	460~530	TP09/TC 11	15.8
19572-BST	SMB480-BST	BST135	SSL480~550	SWB200~550	SMB150L	SIC68-1	480~550	TP09/TC 11	17.2
						SIC68-2	506~576	TP09/TC 11	17.2
						SIC68-3	530~600	TP09/TC 11	17.2
19574-BST	SMB550-BST	BST220	SSL550~620	SWB200~550	SMB150L	SIC68-1	550~620	TP09/TC 11	20.0
						SIC68-2	576~646	TP09/TC 11	20.0
						SIC68-3	600~670	TP09/TC 11	20.0
19576-BST	SMB620-BST	BST220	SSL620~690	SWB200~550	SMB150L	SIC68-1	620~690	TP09/TC 11	21.4
						SIC68-2	646~716	TP09/TC 11	21.4
						SIC68-3	670~740	TP09/TC 11	21.4
19578-BST	SMB690-BST	BST220	SSL690~760	SWB200~550	SMB150L	SIC68-1	690~760	TP09/TC 11	22.9
						SIC68-2	716~786	TP09/TC 11	22.9
						SIC68-3	740~810	TP09/TC 11	22.9
19580-BST	SMB760-BST	BST220	SSL760~830	SWB200~550	SMB150L	SIC68-1	760~830	TP09/TC 11	24.3
						SIC68-2	786~856	TP09/TC 11	24.3
						SIC68-3	810~880	TP09/TC 11	24.3

ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8	TC..1102	M2.5-6.0-3.5-60	T8

SIMPLIFIED TOOL PRESETTER FOR SRW & SMB BORING HEAD

簡易式搪刀設定儀



MODEL NO.	TYPE	L	D	d	MEASURING RANGE	MCK NO.	WEIGHT (KGS)
410.550	SET 410-550	410	55	55	$\phi 100 \sim \phi 550$	MCK7	10.4
410.830	SET 410-830	610	55	55	$\phi 550 \sim \phi 830$	MCK7	12.8

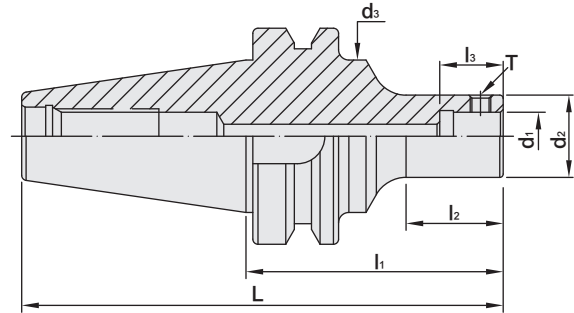
МАШСЕРВИС

Features:

- ▶ Easy operation.
- ▶ Quick dimension adjustment.
- ▶ Specially used for SRW & SMB boring heads for boring dia. over 150mm. (Measuring range: $\phi 100\text{mm} \sim \phi 830\text{mm}$)
- ▶ Each unit of dial indicator: Radial: 0.02mm / Axial: 0.01mm.

BT / SCK BORING HEAD SHANK

BT / SCK 搪孔刀柄









MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17530	BT30 x SCK1 - 55	103.4	55	28	18	11	19	-	M4 x 0.7P	2	0.70
17532	BT30 x SCK2 - 60	108.4	60	33	18.5	14	23.5	-	M5 x 0.8P	2	0.80
17533	BT30 x SCK2 - 75	123.4	75	48	18.5	14	23.5	-	M5 x 0.8P	2	0.80
17534	BT30 x SCK3 - 50	98.4	50	26	24	18	31	-	M6 x 1.0P	2	0.90
17536	BT30 x SCK4 - 60	108.4	60	37	28	22	39	-	M8 x 1.25P	2	1.00
17537	BT30 x SCK4 - 70	118.4	70	47	28	22	39	-	M8 x 1.25P	2	1.00
17538	BT30 x SCK5 - 70	118.4	70	47	35	28	50	-	M10 x 1.5P	2	1.10
17540	BT30 x SCK6 - 60	108.4	60	38	42	36	63	-	M12 x 1.75P	2	1.20
17501	BT40 x SCK1 - 100	165.4	100	51	18	11	19	44.45	M4 x 0.7P	1	1.20
17501 - 115	BT40 x SCK1 - 115	180.4	115	66	18	11	19	44.45	M4 x 0.7P	1	1.30
17502	BT40 x SCK2 - 75	140.4	75	28	18.5	14	23.5	44.45	M5 x 0.8P	1	1.14
17503	BT40 x SCK3 - 80	145.4	80	48	24	18	31	-	M6 x 1.0P	2	1.22
17504	BT40 x SCK4 - 70	135.4	70	40	28	22	39	-	M8 x 1.25P	2	1.50
17505	BT40 x SCK4 - 100	165.4	100	70	28	22	39	-	M8 x 1.25P	2	1.56
17506	BT40 x SCK5 - 60	125.4	60	30	35	28	50	-	M10 x 1.5P	2	1.30
17507	BT40 x SCK5 - 80	145.4	80	51	35	28	50	-	M10 x 1.5P	2	1.60
17508	BT40 x SCK6 - 55	120.4	55	28	42	36	63	-	M12 x 1.75P	2	2.15

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

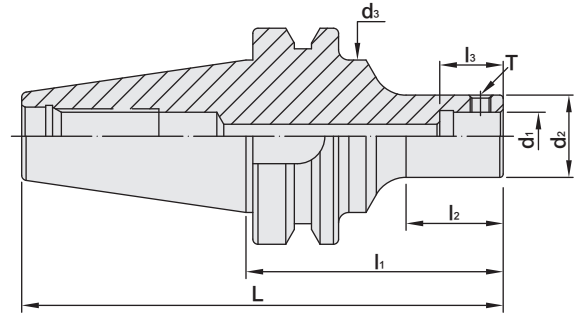
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



BT / SCK BORING HEAD SHANK

BT / SCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17509	BT50 x SCK1 - 105	206.8	105	38	18	11	19	69.85	M4 x 0.7P	1	3.90
17510	BT50 x SCK2 - 105	206.8	105	39	18.5	14	23.5	69.85	M5 x 0.8P	1	4.00
17510 - 135	BT50 x SCK2 - 135	236.8	135	67	18.5	14	23.5	69.85	M5 x 0.8P	1	4.10
17511	BT50 x SCK3 - 110	211.8	110	62	24	18	31	-	M6 x 1.0P	2	4.40
17512	BT50 x SCK3 - 140	241.8	140	92	24	18	31	-	M6 x 1.0P	2	4.60
17513	BT50 x SCK4 - 100	201.8	100	52	28	22	39	-	M8 x 1.25P	2	4.80
17514	BT50 x SCK4 - 160	261.8	160	112	28	22	39	-	M8 x 1.25P	2	5.20
17515	BT50 x SCK5 - 90	191.8	90	42	35	28	50	-	M10 x 1.5P	2	5.40
17516	BT50 x SCK5 - 165	266.8	165	117	35	28	50	-	M10 x 1.5P	2	6.20
17517	BT50 x SCK5 - 210	311.8	210	162	35	28	50	-	M10 x 1.5P	2	6.40
17518	BT50 x SCK6 - 85	186.8	85	37	42	36	63	-	M12 x 1.75P	2	5.90
17519	BT50 x SCK6 - 155	256.8	155	107	42	36	63	-	M12 x 1.75P	2	6.50
17520	BT50 x SCK6 - 215	316.8	215	167	42	36	63	-	M12 x 1.75P	2	6.90


МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

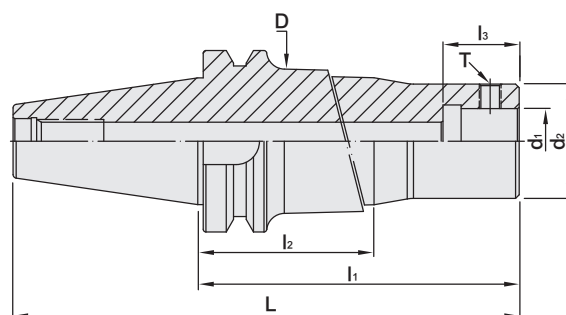
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

BT / SCK BORING HEAD SHANK

BT / SCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	T	WEIGHT (KGS)
17520 - 240BG	BT50 x SCK6 - 240BG	421.8	320	240	42	80	36	63	M12 x 1.75P	12.18
17521 - 240BG	BT50 x SCK6 - 240BG	421.8	320	240	42	100	36	63	M12 x 1.75P	16.26
17520 - 300BG	BT50 x SCK6 - 300BG	481.8	380	300	42	80	36	63	M12 x 1.75P	14.05
17521 - 300BG	BT50 x SCK6 - 300BG	481.8	380	300	42	100	36	63	M12 x 1.75P	19.37
17520 - 360BG	BT50 x SCK6 - 360BG	541.8	440	360	42	80	36	63	M12 x 1.75P	15.94
17521 - 360BG	BT50 x SCK6 - 360BG	541.8	440	360	42	100	36	63	M12 x 1.75P	22.46

МАШСЕРВИС

Features:

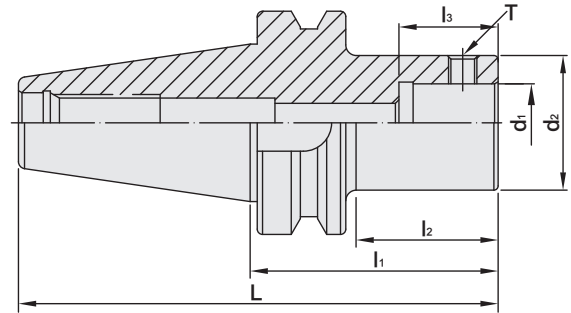
- ▶ It's easy to fasten SCK boring head and shank with a hex spanner.
- ▶ 30° special design of screw and screw hole facilitates good repeated positioning accuracy.
- ▶ When fastening the screw, SCK boring head and SCK boring shank have excellent contact. The rigidity is improved a lot!
- ▶ Internal hole tolerance: H6.
- ▶ The tool holder is through-hole, which is better for water to get through and anti-vibration.
- ▶ The side lock screw and key slot is 90°.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
17530M	BT30 x MCK1 - 55	103.4	55	28	18	11	19	M4 x 0.5P	0.70
17530M - 70	BT30 x MCK1 - 70	118.4	70	43	18	11	19	M4 x 0.5P	0.80
17532M	BT30 x MCK2 - 60	108.4	60	33	18.5	14	23.5	M5 x 0.5P	0.80
17533M	BT30 x MCK2 - 75	123.4	75	48	18.5	14	23.5	M5 x 0.5P	0.80
17532M - 80	BT30 x MCK2 - 80	128.4	80	53	18.5	14	23.5	M5 x 0.5P	0.81
17534M	BT30 x MCK3 - 50	98.4	50	26	24	18	31	M6 x 0.75P	0.90
17534M - 80	BT30 x MCK3 - 80	128.4	80	56	24	18	31	M6 x 0.75P	0.95
17536M	BT30 x MCK4 - 60	108.4	60	37	28	22	39	M8 x 0.75P	1.00
17537M	BT30 x MCK4 - 70	118.4	70	47	29	22	39	M8 x 0.75P	1.00
17538M	BT30 x MCK5 - 70	118.4	70	47	35	28	50	M10 x 1.0P	1.10
17540M	BT30 x MCK6 - 60	108.4	60	38	42	36	63	M12 x 1.0P	1.20

МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

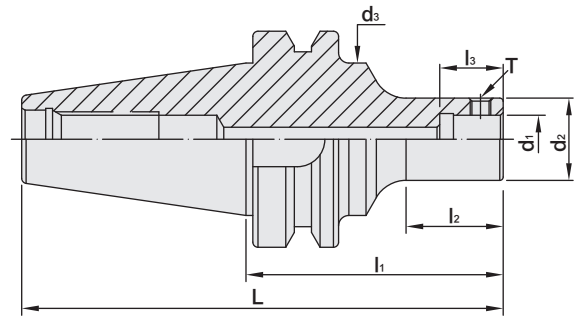
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17501M	BT40 x MCK1 - 100	165.4	100	51	18	11	19	44.45	M4 x 0.5P	1	1.20
17501M - 115	BT40 x MCK1 - 115	180.4	115	66	18	11	19	44.45	M4 x 0.5P	1	1.30
17502M	BT40 x MCK2 - 75	140.4	75	28	18.5	14	23.5	44.45	M5 x 0.5P	1	1.14
17502M - 85	BT40 x MCK2 - 85	150.4	85	38	18.5	14	23.5	44.45	M5 x 0.5P	1	1.24
17502M - 115	BT40 x MCK2 - 115	180.4	115	68	18.5	14	23.5	44.45	M5 x 0.5P	1	1.30
17502M - 175	BT40 x MCK2 - 175	240.4	175	128	18.5	14	23.5	44.45	M5 x 0.5P	1	1.40
17503M	BT40 x MCK3 - 80	145.4	80	48	24	18	31	-	M6 x 0.75P	2	3.90
17503M - 95	BT40 x MCK3 - 95	160.4	95	63	24	18	31	-	M6 x 0.75P	2	4.00
17503M - 125	BT40 x MCK3 - 125	190.4	125	93	24	18	31	-	M6 x 0.75P	2	4.10
17503M - 155	BT40 x MCK3 - 155	220.4	155	123	24	18	31	-	M6 x 0.75P	2	4.00
17503M - 200	BT40 x MCK3 - 200	265.4	200	168	24	18	31	-	M6 x 0.75P	2	4.10
17504M	BT40 x MCK4 - 70	135.4	70	40	28	22	39	-	M8 x 0.75P	2	4.20
17505M	BT40 x MCK4 - 100	165.4	100	70	28	22	39	-	M8 x 0.75P	2	4.40
17505M - 120	BT40 x MCK4 - 120	185.4	120	85	28	22	39	-	M8 x 0.75P	2	4.50
17505M - 130	BT40 x MCK4 - 130	195.4	130	98	28	22	39	-	M8 x 0.75P	2	1.66
17505M - 150	BT40 x MCK4 - 150	215.4	150	115	28	22	39	-	M8 x 0.75P	2	1.70
17505M - 175	BT40 x MCK4 - 175	240.4	175	143	28	22	39	-	M8 x 0.75P	2	1.76
17505M - 195	BT40 x MCK4 - 195	260.4	195	163	28	22	39	-	M8 x 0.75P	2	1.80

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

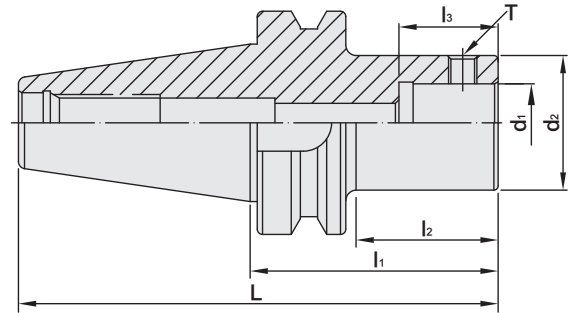
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
17506M	BT40 x MCK5 - 60	125.4	60	30	35	28	50	M10 x 1.0P	1.30
17507M	BT40 x MCK5 - 80	145.4	80	51	35	28	50	M10 x 1.0P	1.60
17507M - 100	BT40 x MCK5 - 100	165.4	100	70	35	28	50	M10 x 1.0P	1.65
17507M - 120	BT40 x MCK5 - 120	185.4	120	90	35	28	50	M10 x 1.0P	1.69
17507M - 125	BT40 x MCK5 - 125	190.4	125	96	35	28	50	M10 x 1.0P	1.70
17507M - 150	BT40 x MCK5 - 150	215.4	150	120	35	28	50	M10 x 1.0P	1.80
17507M - 175	BT40 x MCK5 - 175	240.4	175	146	35	28	50	M10 x 1.0P	1.90
17508M	BT40 x MCK6 - 55	120.4	55	28	42	36	63	M12 x 1.0P	2.15
17508M - 65	BT40 x MCK6 - 65	130.4	65	38	42	36	63	M12 x 1.0P	2.20
17508M - 100	BT40 x MCK6 - 100	165.4	100	73	42	36	63	M12 x 1.0P	2.30
17508M - 115	BT40 x MCK6 - 115	180.4	115	88	42	36	63	M12 x 1.0P	2.40
17508M - 120	BT40 x MCK6 - 120	185.4	120	93	42	36	63	M12 x 1.0P	2.41
17508M - 150	BT40 x MCK6 - 150	215.4	150	123	42	36	63	M12 x 1.0P	2.45
17508M - 165	BT40 x MCK6 - 165	230.4	165	138	42	36	63	M12 x 1.0P	2.50

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

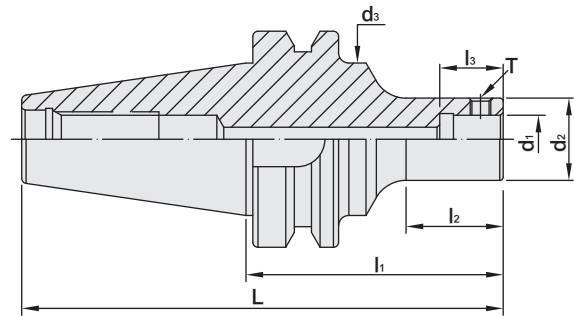
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
17509M	BT50 x MCK1 - 105	206.8	105	38	18	11	19	69.85	M4 x 0.5P	1	3.90
17509M - 115	BT50 x MCK1 - 115	216.8	115	48	18	11	19	69.85	M4 x 0.5P	1	4.00
17509M - 145	BT50 x MCK1 - 145	246.8	145	78	18	11	19	69.85	M4 x 0.5P	1	4.10
17510M	BT50 x MCK2 - 105	206.8	105	39	18.5	14	23.5	69.85	M5 x 0.5P	1	4.00
17510M - 135	BT50 x MCK2 - 135	236.8	135	67	18.5	14	23.5	69.85	M5 x 0.5P	1	4.10
17510M - 140	BT50 x MCK2 - 140	241.8	140	74	18.5	14	23.5	69.85	M5 x 0.5P	1	4.20
17510M - 175	BT50 x MCK2 - 175	276.8	175	109	18.5	14	23.5	69.85	M5 x 0.5P	1	4.40
17510M - 225	BT50 x MCK2 - 225	326.8	225	159	18.5	14	23.5	69.85	M5 x 0.5P	1	4.50
17511M	BT50 x MCK3 - 110	211.8	110	62	24	18	31	-	M6 x 0.75P	2	4.40
17512M	BT50 x MCK3 - 140	241.8	140	92	24	18	31	-	M6 x 0.75P	2	4.60
17512M - 155	BT50 x MCK3 - 155	256.8	155	107	24	18	31	-	M6 x 0.75P	2	4.80
17512M - 200	BT50 x MCK3 - 200	301.8	200	152	24	18	31	-	M6 x 0.75P	2	5.00
17512M - 240	BT50 x MCK3 - 240	341.8	240	192	24	18	31	-	M6 x 0.75P	2	5.20
17513M	BT50 x MCK4 - 100	201.8	100	52	28	22	39	-	M8 x 0.75P	2	4.80
17514M	BT50 x MCK4 - 160	261.8	160	112	28	22	39	-	M8 x 0.75P	2	5.20
17514M - 175	BT50 x MCK4 - 175	276.8	175	127	28	22	39	-	M8 x 0.75P	2	2.30
17514M - 205	BT50 x MCK4 - 205	306.8	205	160	28	22	39	-	M8 x 0.75P	2	5.40
17514M - 235	BT50 x MCK4 - 235	336.8	235	187	28	22	39	-	M8 x 0.75P	2	5.50
17514M - 265	BT50 x MCK4 - 265	366.8	265	217	28	22	39	-	M8 x 0.75P	2	5.60

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

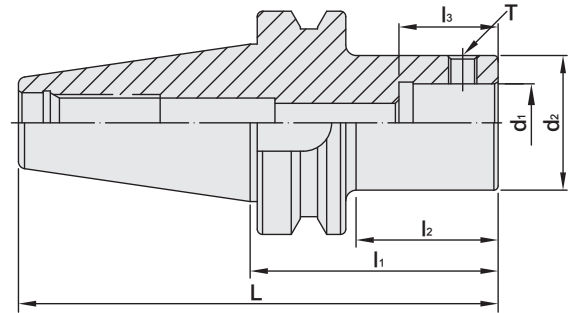
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀柄











MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
17515M	BT50 x MCK5 - 90	191.8	90	42	35	28	50	M10 x 1.0P	5.40
17515M - 105	BT50 x MCK5 - 105	206.8	105	57	35	28	50	M10 x 1.0P	5.60
17515M - 110	BT50 x MCK5 - 110	211.8	110	62	35	28	50	M10 x 1.0P	5.70
17516M	BT50 x MCK5 - 165	266.8	165	117	35	28	50	M10 x 1.0P	6.20
17516M - 185	BT50 x MCK5 - 185	286.8	185	137	35	28	50	M10 x 1.0P	6.30
17517M	BT50 x MCK5 - 210	311.8	210	162	35	28	50	M10 x 1.0P	6.40
17517M - 240	BT50 x MCK5 - 240	341.8	240	192	35	28	50	M10 x 1.0P	6.60
17517M - 265	BT50 x MCK5 - 265	366.8	265	217	35	28	50	M10 x 1.0P	6.70
17517M - 300	BT50 x MCK5 - 300	401.8	300	252	35	28	50	M10 x 1.0P	6.80
17518M	BT50 x MCK6 - 85	186.8	85	37	42	36	63	M12 x 1.0P	5.90
17519M	BT50 x MCK6 - 155	256.8	155	107	42	36	63	M12 x 1.0P	6.50
17520M	BT50 x MCK6 - 215	316.8	215	167	42	36	63	M12 x 1.0P	6.90
17520M - 240	BT50 x MCK6 - 240	341.8	240	192	42	36	63	M12 x 1.0P	6.95
17520M - 265	BT50 x MCK6 - 265	366.8	265	217	42	36	63	M12 x 1.0P	7.00
17520M - 290	BT50 x MCK6 - 290	391.8	290	242	42	36	63	M12 x 1.0P	7.10
17520M - 300	BT50 x MCK6 - 300	401.8	300	252	42	36	63	M12 x 1.0P	7.12
17520M - 350	BT50 x MCK6 - 350	451.8	350	302	42	36	63	M12 x 1.0P	7.50
17522M - 93	BT50 x MCK7 - 93	194.8	93	52	52	46	90	M20 x 1.5P	5.00
17522M - 183	BT50 x MCK7 - 183	284.8	183	142	52	46	90	M20 x 1.5P	9.40
17522M - 243	BT50 x MCK7 - 243	344.8	243	202	52	46	90	M20 x 1.5P	6.90

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

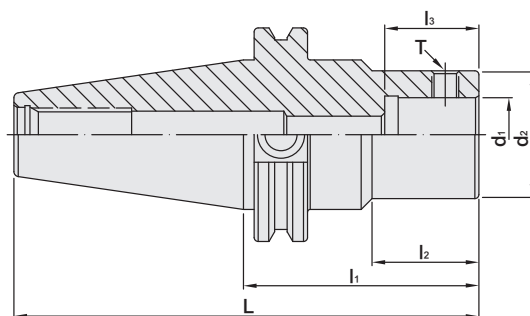
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU	SRW	SMB
							
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16

CAT / SCK BORING HEAD SHANK

CAT / SCK 搪孔刀柄



INCHES





MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
27910	CAT40 x SCK1 - 3"	5.687	3	1.105	0.708	0.433	0.748	M4 x 0.7P	1.20
27912	CAT40 x SCK1 - 3.75"	6.437	3.75	1.856	0.708	0.433	0.748	M4 x 0.7P	1.25
27914	CAT40 x SCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.8P	1.30
27916	CAT40 x SCK2 - 4.35"	7.037	4.35	2.656	0.728	0.551	0.925	M5 x 0.8P	1.35
27918	CAT40 x SCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 1.0P	1.40
27920	CAT40 x SCK3 - 5"	7.687	5	3.36	0.945	0.709	1.22	M6 x 1.0P	1.45
27922	CAT40 x SCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 1.25P	1.50
27924	CAT40 x SCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 1.25P	1.55
27926	CAT40 x SCK5 - 3"	5.687	3	2.219	1.378	1.102	1.969	M10 x 1.5P	1.60
27928	CAT40 x SCK5 - 4.25"	6.937	4.25	3.469	1.378	1.102	1.969	M10 x 1.5P	1.65
27930	CAT40 x SCK6 - 3"	5.687	3	2.219	1.653	1.417	2.48	M12 x 1.75P	1.70
27932	CAT40 x SCK6 - 4.25"	6.937	4.25	3.469	1.653	1.417	2.48	M12 x 1.75P	1.75
27934	CAT50 x SCK1 - 3.5"	7.5	3.5	1.317	0.708	0.433	0.748	M4 x 0.7P	3.30
27936	CAT50 x SCK1 - 4"	8	4	1.817	0.708	0.433	0.748	M4 x 0.7P	3.35
27938	CAT50 x SCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.8P	3.40
27940	CAT50 x SCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.8P	3.45
27942	CAT50 x SCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 1.0P	3.50
27944	CAT50 x SCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 1.0P	3.55
27946	CAT50 x SCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 1.25P	3.60
27948	CAT50 x SCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 1.25P	3.65
27950	CAT50 x SCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.5P	3.70
27952	CAT50 x SCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.5P	3.75
27954	CAT50 x SCK6 - 3.5"	7.5	3.5	1.988	1.653	1.417	2.48	M12 x 1.75P	3.80
27956	CAT50 x SCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.75P	3.85

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

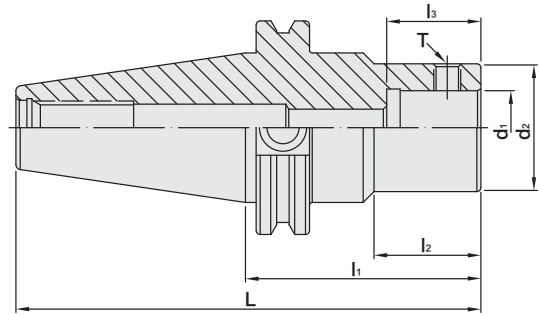
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-62	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



CAT / MCK BORING HEAD SHANK

CAT / MCK 搪孔刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
27910M	CAT40 x MCK1 - 3"	5.687	3	1.105	0.708	0.433	0.748	M4 x 0.5P	1.20
27912M	CAT40 x MCK1 - 3.75"	6.437	3.75	1.856	0.708	0.433	0.748	M4 x 0.5P	1.25
27914M	CAT40 x MCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.5P	1.30
27916M	CAT40 x MCK2 - 4.35"	7.037	4.35	2.656	0.728	0.551	0.925	M5 x 0.5P	1.35
27918M	CAT40 x MCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 0.75P	1.40
27920M	CAT40 x MCK3 - 5"	7.687	5	3.36	0.945	0.709	1.22	M6 x 0.75P	1.45
27922M	CAT40 x MCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 0.75P	1.50
27924M	CAT40 x MCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 0.75P	1.55
27926M	CAT40 x MCK5 - 3"	5.687	3	2.219	1.378	1.102	1.969	M10 x 1.0P	1.60
27928M	CAT40 x MCK5 - 4.25"	6.937	4.25	3.469	1.378	1.102	1.969	M10 x 1.0P	1.65
27930M	CAT40 x MCK6 - 3"	5.687	3	2.219	1.653	1.417	2.48	M12 x 1.0P	1.70
27932M	CAT40 x MCK6 - 4.25"	6.937	4.25	3.469	1.653	1.417	2.48	M12 x 1.0P	1.75
27934M	CAT50 x MCK1 - 3.5"	7.5	3.5	1.317	0.708	0.433	0.748	M4 x 0.5P	3.30
27936M	CAT50 x MCK1 - 4"	8	4	1.817	0.708	0.433	0.748	M4 x 0.5P	3.35
27938M	CAT50 x MCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.5P	3.40
27940M	CAT50 x MCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.5P	3.45
27942M	CAT50 x MCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 0.75P	3.50
27944M	CAT50 x MCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 0.75P	3.55
27946M	CAT50 x MCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 0.75P	3.60
27948M	CAT50 x MCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 0.75P	3.65
27950M	CAT50 x MCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.0P	3.70
27952M	CAT50 x MCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.0P	3.75
27954M	CAT50 x MCK6 - 3.5"	7.5	3.5	1.988	1.653	1.417	2.48	M12 x 1.0P	3.80
27956M	CAT50 x MCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.0P	3.85
27958M	CAT50 x MCK7 - 3.74"	7.74	3.74	2.362	2.047	1.811	3.54	M20 x 1.5P	5.00

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

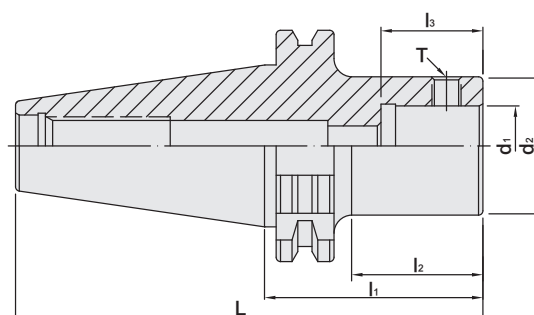
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU	SRW	SMB
P.W-62	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16

DAT / SCK BORING HEAD SHANK

DAT / SCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
47502	DAT30 x SCK1 - 50	97.8	50	27.9	18	11	19	M4 x 0.7P	0.60
47504	DAT30 x SCK2 - 65	112.8	65	42.9	18.5	14	23.5	M5 x 0.8P	0.70
47506	DAT30 x SCK3 - 50	97.8	50	27.9	24	18	31	M6 x 1.0P	0.80
47508	DAT30 x SCK4 - 50	97.8	50	27.9	28	22	39	M8 x 1.25P	1.30
47510	DAT40 x SCK1 - 80	148.4	80	50.9	18	11	19	M4 x 0.7P	1.00
47512	DAT40 x SCK1 - 95	163.4	95	65.9	18	11	19	M4 x 0.7P	1.05
47514	DAT40 x SCK2 - 80	148.4	80	50.9	18.5	14	23.5	M5 x 0.8P	1.10
47516	DAT40 x SCK2 - 110	178.4	110	80.9	18.5	14	23.5	M5 x 0.8P	1.15
47518	DAT40 x SCK3 - 90	158.4	90	65.9	24	18	31	M6 x 1.0P	1.20
47520	DAT40 x SCK3 - 125	193.4	125	100.9	24	18	31	M6 x 1.0P	1.25
47522	DAT40 x SCK4 - 80	148.4	80	55.9	28	22	39	M8 x 1.25P	1.30
47524	DAT40 x SCK4 - 110	178.4	110	85.9	28	22	39	M8 x 1.25P	1.35
47526	DAT40 x SCK5 - 95	163.4	95	75.4	35	28	50	M10 x 1.5P	1.40
47528	DAT40 x SCK5 - 110	178.4	110	90.4	35	28	50	M10 x 1.5P	1.45
47530	DAT40 x SCK6 - 65	133.4	65	45.4	42	36	63	M12 x 1.75P	1.50
47532	DAT40 x SCK6 - 95	163.4	95	75.4	42	36	63	M12 x 1.75P	1.55
47534	DAT50 x SCK1 - 110	211.75	110	80.9	18	11	19	M4 x 0.7P	3.10
47536	DAT50 x SCK1 - 125	226.75	125	95.9	18	11	19	M4 x 0.7P	3.15
47538	DAT50 x SCK2 - 95	196.75	95	65.9	18.5	14	23.5	M5 x 0.8P	3.20
47540	DAT50 x SCK2 - 125	226.75	125	95.9	18.5	14	23.5	M5 x 0.8P	3.25
47542	DAT50 x SCK3 - 125	226.75	125	95.9	24	18	31	M6 x 1.0P	3.30
47544	DAT50 x SCK3 - 155	256.75	155	125.9	24	18	31	M6 x 1.0P	3.35
47546	DAT50 x SCK4 - 110	211.75	110	80.9	28	22	39	M8 x 1.25P	3.40
47548	DAT50 x SCK4 - 125	226.75	125	95.9	28	22	39	M8 x 1.25P	3.45
47550	DAT50 x SCK5 - 65	166.75	65	35.9	35	28	50	M10 x 1.5P	3.50
47552	DAT50 x SCK5 - 140	241.75	140	110.9	35	28	50	M10 x 1.5P	3.55
47554	DAT50 x SCK6 - 140	241.75	140	110.9	42	36	63	M12 x 1.75P	3.60
47556	DAT50 x SCK6 - 170	271.75	170	140.9	42	36	63	M12 x 1.75P	3.65

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

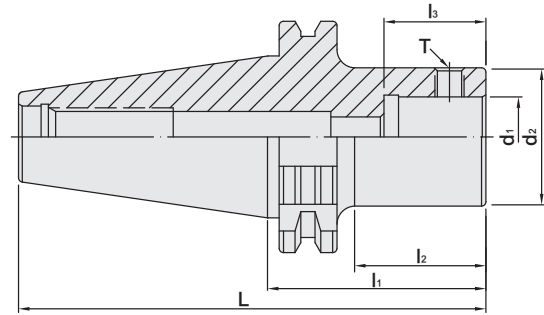
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ DAT30 tool holder are without coolant supply over collars.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-63	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



DAT / MCK BORING HEAD SHANK

DAT / MCK 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
47502M	DAT30 x MCK1 - 50	97.8	50	27.9	18	11	19	M4 x 0.5P	0.60
47504M	DAT30 x MCK2 - 65	112.8	65	42.9	18.5	14	23.5	M5 x 0.5P	0.70
47506M	DAT30 x MCK3 - 50	97.8	50	27.9	24	18	31	M6 x 0.75P	0.80
47508M	DAT30 x MCK4 - 50	97.8	50	27.9	28	22	39	M8 x 0.75P	1.30
47510M	DAT40 x MCK1 - 80	148.4	80	50.9	18	11	19	M4 x 0.5P	1.00
47512M	DAT40 x MCK1 - 95	163.4	95	65.9	18	11	19	M4 x 0.5P	1.05
47514M	DAT40 x MCK2 - 80	148.4	80	50.9	18.5	14	23.5	M5 x 0.5P	1.10
47516M	DAT40 x MCK2 - 110	178.4	110	80.9	18.5	14	23.5	M5 x 0.5P	1.15
47518M	DAT40 x MCK3 - 90	158.4	90	65.9	24	18	31	M6 x 0.75P	1.20
47520M	DAT40 x MCK3 - 125	193.4	125	100.9	24	18	31	M6 x 0.75P	1.25
47522M	DAT40 x MCK4 - 80	148.4	80	55.9	28	22	39	M8 x 0.75P	1.30
47524M	DAT40 x MCK4 - 110	178.4	110	85.9	28	22	39	M8 x 0.75P	1.35
47526M	DAT40 x MCK5 - 95	163.4	95	75.4	35	28	50	M10 x 1.0P	1.40
47528M	DAT40 x MCK5 - 110	178.4	110	90.4	35	28	50	M10 x 1.0P	1.45
47530M	DAT40 x MCK6 - 65	133.4	65	45.4	42	36	63	M12 x 1.0P	1.50
47532M	DAT40 x MCK6 - 95	163.4	95	75.4	42	36	63	M12 x 1.0P	1.55
47534M	DAT50 x MCK1 - 110	211.75	110	80.9	18	11	19	M4 x 0.5P	3.10
47536M	DAT50 x MCK1 - 125	226.75	125	95.9	18	11	19	M4 x 0.5P	3.15
47538M	DAT50 x MCK2 - 95	196.75	95	65.9	18.5	14	23.5	M5 x 0.5P	3.20
47540M	DAT50 x MCK2 - 125	226.75	125	95.9	18.5	14	23.5	M5 x 0.5P	3.25
47542M	DAT50 x MCK3 - 125	226.75	125	95.9	24	18	31	M6 x 0.75P	3.30
47544M	DAT50 x MCK3 - 155	256.75	155	125.9	24	18	31	M6 x 0.75P	3.35
47546M	DAT50 x MCK4 - 110	211.75	110	80.9	28	22	39	M8 x 0.75P	3.40
47548M	DAT50 x MCK4 - 125	226.75	125	95.9	28	22	39	M8 x 0.75P	3.45
47550M	DAT50 x MCK5 - 65	166.75	65	35.9	35	28	50	M10 x 1.0P	3.50
47552M	DAT50 x MCK5 - 140	241.75	140	110.9	35	28	50	M10 x 1.0P	3.55
47554M	DAT50 x MCK6 - 140	241.75	140	110.9	42	36	63	M12 x 1.0P	3.60
47556M	DAT50 x MCK6 - 170	271.75	170	140.9	42	36	63	M12 x 1.0P	3.65
47558M	DAT50 x MCK7 - 95	196.75	95	60	52	46	90	M20 x 1.5P	5.00

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

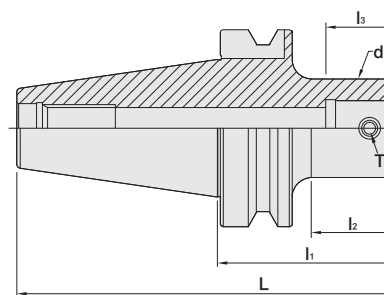
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU	SRW	SMB
P.W-63	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16

SBT / SCK BORING HEAD SHANK

Dual
DRIVE+

SBT / SCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	T	WEIGHT (KGS)
25.650.02.37.5	SBT30 x SCK2 - 37.5	85.9	37.5	12.5	18.5	23.5	M5 x 0.8P	0.40
25.650.02.82.5	SBT30 x SCK2 - 82.5	130.9	82.5	57.5	18.5	23.5	M5 x 0.8P	0.60
25.650.03.039	SBT30 x SCK3 - 39	87.4	39	13	24	31	M6 x 1.0P	0.50
25.650.03.079	SBT30 x SCK3 - 79	127.4	79	53	24	31	M6 x 1.0P	0.70
25.650.04.038	SBT30 x SCK4 - 38	86.4	38	14	28	39	M8 x 1.25P	0.50
25.650.04.073	SBT30 x SCK4 - 73	121.4	73	49	28	39	M8 x 1.25P	0.80
25.650.05.063	SBT30 x SCK5 - 63	111.4	63	40.5	35	50	M10 x 1.5P	0.85
25.650.06.064	SBT30 x SCK6 - 64	112.4	64	41.5	42	62	M12 x 1.75P	1.35
26.650.02.42.5	SBT40 x SCK2 - 42.5	107.9	42.5	12.5	18.5	23.5	M5 x 0.8P	1.10
26.650.02.82.5	SBT40 x SCK2 - 82.5	147.9	82.5	52.5	18.5	23.5	M5 x 0.8P	1.25
26.650.03.044	SBT40 x SCK3 - 44	109.4	44	13	24	31	M6 x 1.0P	1.15
26.650.03.094	SBT40 x SCK3 - 94	159.4	94	63	24	31	M6 x 1.0P	1.35
26.650.04.043	SBT40 x SCK4 - 43	108.4	43	14	28	39	M8 x 1.25P	1.25
26.650.04.088	SBT40 x SCK4 - 88	153.4	88	56	28	39	M8 x 1.25P	1.55
26.650.05.048	SBT40 x SCK5 - 48	113.4	48	19	35	50	M10 x 1.5P	1.25
26.650.05.078	SBT40 x SCK5 - 78	143.4	78	46	35	50	M10 x 1.5P	1.65
26.650.06.064	SBT40 x SCK6 - 64	129.4	64	36.5	42	63	M12 x 1.75P	1.65

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

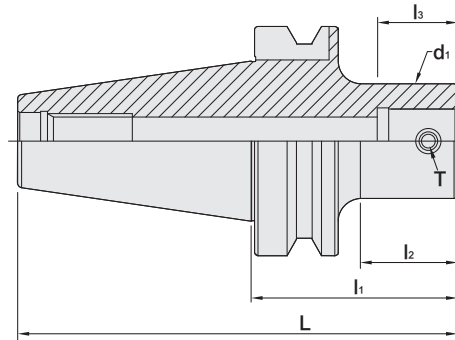
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



SBT / SCK BORING HEAD SHANK

Dual
DRIVE+

SBT / SCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	T	WEIGHT (KGS)
27.650.02.112.5	SBT50 x SCK2 - 112.5	214.3	112.5	71.5	18.5	23.5	M5 x 0.8P	4.10
27.650.03.124	SBT50 x SCK3 - 124	225.8	124	82	24	31	M6 x 1.0P	4.35
27.650.04.118	SBT50 x SCK4 - 118	219.8	118	75	28	39	M8 x 1.25P	4.55
27.650.04.178	SBT50 x SCK4 - 178	279.8	178	135	28	39	M8 x 1.25P	5.00
27.650.05.108	SBT50 x SCK5 - 108	209.8	108	65	35	50	M10 x 1.5P	4.75
27.650.05.183	SBT50 x SCK5 - 183	284.8	183	140	35	50	M10 x 1.5P	5.95
27.650.05.228	SBT50 x SCK5 - 228	329.8	228	185	35	50	M10 x 1.5P	6.55
27.650.06.094	SBT50 x SCK6 - 94	195.8	94	51	42	63	M12 x 1.75P	4.85
27.650.06.169	SBT50 x SCK6 - 169	270.8	169	126	42	63	M12 x 1.75P	6.75
27.650.06.229	SBT50 x SCK6 - 229	330.8	229	186	42	63	M12 x 1.75P	8.25


МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

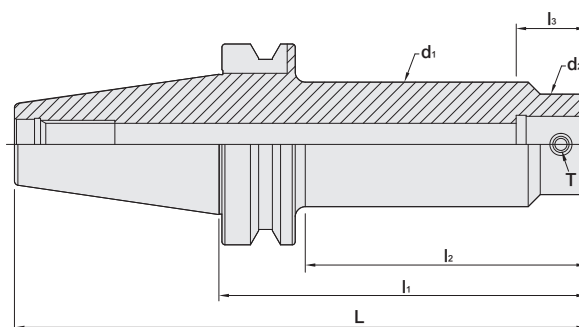
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

SBT / SCK BORING HEAD SHANK

Dual
DRIVE+

SBT / SCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
27.681.04.193	SBT50 x SCK4 - 193BG	294.8	193	150	28	48	39	M8 x 1.25P	5.5
27.681.04.238	SBT50 x SCK4 - 238BG	339.8	238	195	28	48	39	M8 x 1.25P	6.1
27.681.05.243	SBT50 x SCK5 - 243BG	344.8	243	200	35	62	50	M10 x 1.5P	8.1
27.681.05.303	SBT50 x SCK5 - 303BG	404.8	303	260	35	62	50	M10 x 1.5P	9.5
27.681.06.259	SBT50 x SCK6 - 259BG	360.8	259	216	42	72	63	M12 x 1.75P	10.3
27.681.06.314	SBT50 x SCK6 - 314BG	415.8	314	271	42	72	63	M12 x 1.75P	12.0
27.681.06.289	SBT50 x SCK6 - 289BG	390.8	289	246	42	80	63	M12 x 1.75P	12.9
27.681.06.349	SBT50 x SCK6 - 349BG	450.8	349	306	42	80	63	M12 x 1.75P	15.2


МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

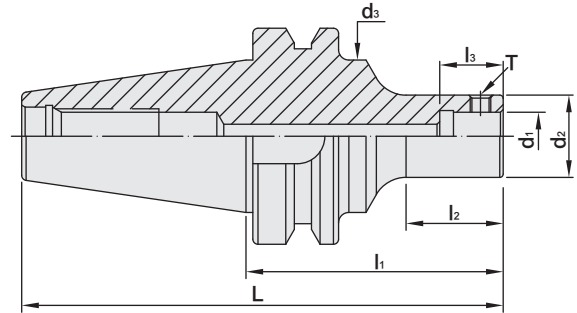
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
25.487.01.055	SBT30 x MCK1 - 55	103.4	55	28	18	11	19	M4 x 0.5P	0.70
25.487.01.070	SBT30 x MCK1 - 70	118.4	70	43	18	11	19	M4 x 0.5P	0.80
25.487.02.060	SBT30 x MCK2 - 60	108.4	60	33	18.5	14	23.5	M5 x 0.5P	0.80
25.487.02.075	SBT30 x MCK2 - 75	123.4	75	48	18.5	14	23.5	M5 x 0.5P	0.80
25.487.02.080	SBT30 x MCK2 - 80	128.4	80	53	18.5	14	23.5	M5 x 0.5P	0.85
25.487.03.050	SBT30 x MCK3 - 50	98.4	50	26	24	18	31	M6 x 0.75P	0.90
25.487.03.080	SBT30 x MCK3 - 80	128.4	80	56	24	18	31	M6 x 0.75P	0.95
25.487.04.060	SBT30 x MCK4 - 60	108.4	60	37	28	22	39	M8 x 0.75P	1.00
25.487.04.070	SBT30 x MCK4 - 70	118.4	70	47	28	22	39	M8 x 0.75P	1.00
25.487.05.070	SBT30 x MCK5 - 70	118.4	70	47	35	28	50	M10 x 1.0P	1.10
25.487.06.060	SBT30 x MCK6 - 60	108.4	60	38	42	36	63	M12 x 1.0P	1.20
26.487.03.080	SBT40 x MCK3 - 80	145.4	80	48	24	18	31	M6 x 0.75P	1.22
26.487.03.095	SBT40 x MCK3 - 95	160.4	95	63	24	18	31	M6 x 0.75P	1.24
26.487.03.125	SBT40 x MCK3 - 125	190.4	125	93	24	18	31	M6 x 0.75P	1.30
26.487.03.155	SBT40 x MCK3 - 155	220.4	155	123	24	18	31	M6 x 0.75P	1.40
26.487.04.070	SBT40 x MCK4 - 70	135.4	70	40	28	22	39	M8 x 0.75P	1.50
26.487.04.100	SBT40 x MCK4 - 100	165.4	100	70	28	22	39	M8 x 0.75P	1.56
26.487.04.130	SBT40 x MCK4 - 130	195.4	130	98	28	22	39	M8 x 0.75P	1.60
26.487.04.175	SBT40 x MCK4 - 175	240.4	175	143	28	22	39	M8 x 0.75P	1.70
26.487.05.060	SBT40 x MCK5 - 60	125.4	60	30	35	28	50	M10 x 1.0P	1.30
26.487.05.080	SBT40 x MCK5 - 80	145.4	80	51	35	28	50	M10 x 1.0P	1.60
26.487.05.125	SBT40 x MCK5 - 125	190.4	125	96	35	28	50	M10 x 1.0P	1.70
26.487.05.175	SBT40 x MCK5 - 175	240.4	175	146	35	28	50	M10 x 1.0P	1.80
26.487.06.055	SBT40 x MCK6 - 55	120.4	55	28	42	36	63	M12 x 1.0P	2.15
26.487.06.065	SBT40 x MCK6 - 65	130.4	65	38	42	36	63	M12 x 1.0P	2.20
26.487.06.115	SBT40 x MCK6 - 115	170.4	115	88	42	36	63	M12 x 1.0P	2.30
26.487.06.165	SBT40 x MCK6 - 165	230.4	165	138	42	36	63	M12 x 1.0P	2.50

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.
- ▶ For center coolant (DIN 69871-AD).

Product information:

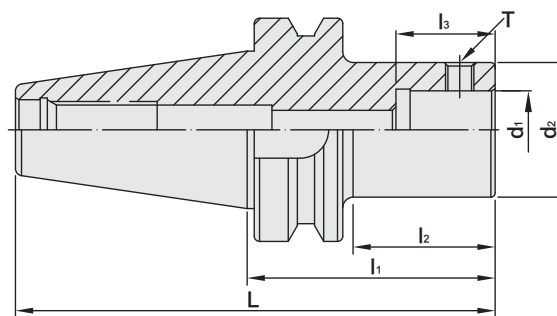
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
26.487.01.100	SBT40 x MCK1 - 100	165.4	100	51	18	11	19	44.45	M4 x 0.5P	1.20
26.487.01.115	SBT40 x MCK1 - 115	180.4	115	66	18	11	19	44.45	M4 x 0.5P	1.30
26.487.02.075	SBT40 x MCK2 - 75	140.4	75	28	18.5	14	23.5	44.45	M5 x 0.5P	1.14
26.487.02.085	SBT40 x MCK2 - 85	150.4	85	38	18.5	14	23.5	44.45	M5 x 0.5P	1.20
26.487.02.115	SBT40 x MCK2 - 115	180.4	115	68	18.5	14	23.5	44.45	M5 x 0.5P	1.25
27.487.01.105	SBT50 x MCK1 - 105	206.8	105	38	18	11	19	69.85	M4 x 0.5P	3.90
27.487.01.115	SBT50 x MCK1 - 115	216.8	115	48	18	11	19	69.85	M4 x 0.5P	4.00
27.487.01.145	SBT50 x MCK1 - 145	246.8	145	78	18	11	19	69.85	M4 x 0.5P	4.10
27.487.02.105	SBT50 x MCK2 - 105	206.8	105	39	18.5	14	23.5	69.85	M5 x 0.5P	4.00
27.487.02.135	SBT50 x MCK2 - 135	236.8	135	67	18.5	14	23.5	69.85	M5 x 0.5P	4.10
27.487.02.140	SBT50 x MCK2 - 140	241.8	140	72	18.5	14	23.5	69.85	M5 x 0.5P	4.20

МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.
- ▶ For center coolant (DIN 69871-AD).

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

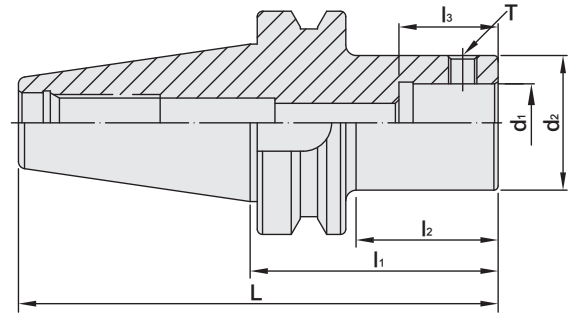
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
27.487.03.110	SBT50 x MCK3 - 110	211.8	110	62	24	18	31	M6 x 0.75P	4.40
27.487.03.140	SBT50 x MCK3 - 140	241.8	140	92	24	18	31	M6 x 0.75P	4.60
27.487.03.155	SBT50 x MCK3 - 155	256.8	155	107	24	18	31	M6 x 0.75P	4.80
27.487.04.100	SBT50 x MCK4 - 100	201.8	100	52	28	22	39	M8 x 0.75P	4.80
27.487.04.160	SBT50 x MCK4 - 160	261.8	160	112	28	22	39	M8 x 0.75P	5.20
27.487.04.175	SBT50 x MCK4 - 175	276.8	175	127	28	22	39	M8 x 0.75P	2.30
27.487.04.205	SBT50 x MCK4 - 205	306.8	205	205	28	22	39	M8 x 0.75P	5.40
27.487.05.090	SBT50 x MCK5 - 90	191.8	90	42	35	28	50	M10 x 1.0P	5.40
27.487.05.105	SBT50 x MCK5 - 105	206.8	105	57	35	28	50	M10 x 1.0P	5.60
27.487.05.165	SBT50 x MCK5 - 165	266.8	165	117	35	28	50	M10 x 1.0P	6.20
27.487.05.210	SBT50 x MCK5 - 210	311.8	210	162	35	28	50	M10 x 1.0P	6.40
27.487.05.240	SBT50 x MCK5 - 240	341.8	240	192	35	28	50	M10 x 1.0P	6.60
27.487.05.300	SBT50 x MCK5 - 300	401.8	300	252	35	28	50	M10 x 1.0P	6.80
27.487.06.085	SBT50 x MCK6 - 85	186.8	85	37	42	36	63	M12 x 1.0P	5.90
27.487.06.155	SBT50 x MCK6 - 155	256.8	155	107	42	36	63	M12 x 1.0P	6.50
27.487.06.215	SBT50 x MCK6 - 215	316.8	215	167	42	36	63	M12 x 1.0P	6.90
27.487.07.180	SBT50 x MCK7 - 180	281.8	180	139	52	46	90	M20 x 1.5P	5.00
27.487.07.330	SBT50 x MCK7 - 330	431.8	330	289	52	46	90	M20 x 1.5P	12.5

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

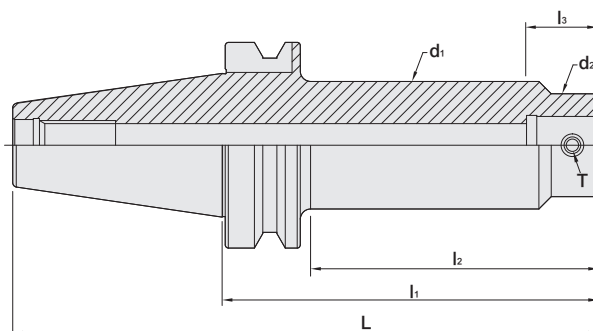
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU	SRW	SMB
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16

SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
27.487.04.193	SBT50 x MCK4 - 193BG	294.8	193	150	28	48	39	M8 x 0.75P	5.50
27.487.04.238	SBT50 x MCK4 - 238BG	339.8	238	195	28	48	39	M8 x 0.75P	6.10
27.487.05.243	SBT50 x MCK5 - 243BG	344.8	243	200	35	62	50	M10 x 1.0P	8.10
27.487.05.303	SBT50 x MCK5 - 303BG	404.8	303	260	35	62	50	M10 x 1.0P	9.50
27.487.06.259	SBT50 x MCK6 - 259BG	360.8	259	216	42	72	63	M12 x 1.0P	10.3
27.487.06.314	SBT50 x MCK6 - 314BG	415.8	314	271	42	72	63	M12 x 1.0P	12.0
27.487.06.289	SBT50 x MCK6 - 289BG	390.8	289	246	42	80	63	M12 x 1.0P	12.9
27.487.06.349	SBT50 x MCK6 - 349BG	450.8	349	306	42	80	63	M12 x 1.0P	15.2






МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

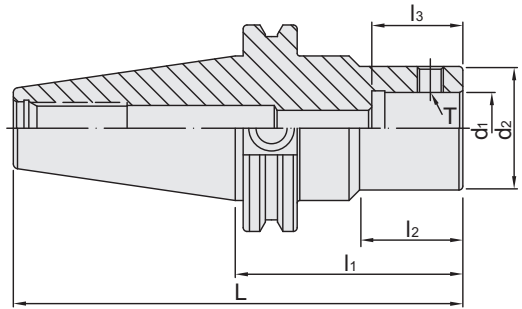
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
					
P.W-60~61	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



SCAT / SCK BORING HEAD SHANK

Dual
DRIVE+

SCAT / SCK 法蘭加厚型搪孔刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
43.650.02.300	SCAT40 x SCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.8P	1.30
43.650.02.435	SCAT40 x SCK2 - 4.35"	7.037	4.35	2.626	0.728	0.551	0.925	M5 x 0.8P	1.35
43.650.03.300	SCAT40 x SCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 1.0P	1.40
43.650.03.500	SCAT40 x SCK3 - 5"	7.687	5	3.356	0.945	0.709	1.22	M6 x 1.0P	1.45
43.650.04.300	SCAT40 x SCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 1.25P	1.50
43.650.04.425	SCAT40 x SCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 1.25P	1.55
43.650.05.300	SCAT40 x SCK5 - 3"	5.687	3	1.513	1.378	1.102	1.969	M10 x 1.5P	1.60
43.650.05.425	SCAT40 x SCK5 - 4.25"	6.937	4.25	2.763	1.378	1.102	1.969	M10 x 1.5P	1.65
43.650.06.300	SCAT40 x SCK6 - 3"	5.687	3	1.622	1.653	1.417	2.48	M12 x 1.75P	1.70
43.650.06.425	SCAT40 x SCK6 - 4.25"	6.937	4.25	2.872	1.653	1.417	2.48	M12 x 1.75P	1.75
44.650.02.350	SCAT50 x SCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.8P	3.40
44.650.02.530	SCAT50 x SCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.8P	3.45
44.650.03.350	SCAT50 x SCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 1.0P	3.50
44.650.03.550	SCAT50 x SCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 1.0P	3.55
44.650.04.350	SCAT50 x SCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 1.25P	3.60
44.650.04.550	SCAT50 x SCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 1.25P	3.65
44.650.05.350	SCAT50 x SCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.5P	3.70
44.650.05.550	SCAT50 x SCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.5P	3.75
44.650.06.350	SCAT50 x SCK6 - 3.5"	7.5	3.5	1.987	1.653	1.417	2.48	M12 x 1.75P	3.80
44.650.06.550	SCAT50 x SCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.75P	3.85

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

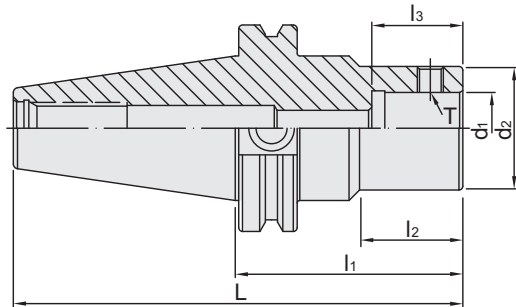
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-62	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

SCAT / MCK BORING HEAD SHANK

Dual
DRIVE+

SCAT / MCK 法蘭加厚型搪孔刀柄



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
43.487.01.300	SCAT40 x MCK1 - 3"	5.687	3	1.105	0.708	0.433	0.748	M4 x 0.5P	1.20
43.487.01.375	SCAT40 x MCK1 - 3.75"	6.437	3.75	1.856	0.708	0.433	0.748	M4 x 0.5P	1.25
43.487.02.300	SCAT40 x MCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.5P	1.30
43.487.02.435	SCAT40 x MCK2 - 4.35"	7.037	4.35	2.656	0.728	0.551	0.925	M5 x 0.5P	1.35
43.487.03.300	SCAT40 x MCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 0.75P	1.40
43.487.03.500	SCAT40 x MCK3 - 5"	7.687	5	3.36	0.945	0.709	1.22	M6 x 0.75P	1.45
43.487.04.300	SCAT40 x MCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 0.75P	1.50
43.487.04.425	SCAT40 x MCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 0.75P	1.55
43.487.05.300	SCAT40 x MCK5 - 3"	5.687	3	2.219	1.378	1.102	1.969	M10 x 1.0P	1.60
43.487.05.425	SCAT40 x MCK5 - 4.25"	6.937	4.25	3.469	1.378	1.102	1.969	M10 x 1.0P	1.65
43.487.06.300	SCAT40 x MCK6 - 3"	5.687	3	2.219	1.653	1.417	2.48	M12 x 1.0P	1.70
43.487.06.425	SCAT40 x MCK6 - 4.25"	6.937	4.25	3.469	1.653	1.417	2.48	M12 x 1.0P	1.75
44.487.01.350	SCAT50 x MCK1 - 3.5"	7.5	3.5	1.317	0.708	0.433	0.748	M4 x 0.5P	3.30
44.487.01.400	SCAT50 x MCK1 - 4"	8	4	1.817	0.708	0.433	0.748	M4 x 0.5P	3.35
44.487.02.350	SCAT50 x MCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.5P	3.40
44.487.02.530	SCAT50 x MCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.5P	3.45
44.487.03.350	SCAT50 x MCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 0.75P	3.50
44.487.03.550	SCAT50 x MCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 0.75P	3.55
44.487.04.350	SCAT50 x MCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 0.75P	3.60
44.487.04.550	SCAT50 x MCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 0.75P	3.65
44.487.05.350	SCAT50 x MCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.0P	3.70
44.487.05.550	SCAT50 x MCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.0P	3.75
44.487.06.350	SCAT50 x MCK6 - 3.5"	7.5	3.5	1.988	1.653	1.417	2.48	M12 x 1.0P	3.80
44.487.06.550	SCAT50 x MCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.0P	3.85

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

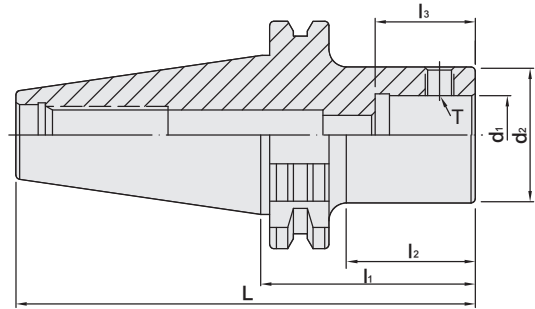
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-62	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



SDAT / SCK BORING HEAD SHANK

Dual
DRIVE+

SDAT / SCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
66.650.02.080	SDAT40 x SCK2 - 80	148.4	80	51	18.5	14	23.5	M5 x 0.8P	1.10
66.650.02.110	SDAT40 x SCK2 - 110	178.4	110	81	18.5	14	23.5	M5 x 0.8P	1.15
66.650.03.090	SDAT40 x SCK3 - 90	158.4	90	66	24	18	31	M6 x 1.0P	1.20
66.650.03.125	SDAT40 x SCK3 - 125	193.4	125	101	24	18	31	M6 x 1.0P	1.25
66.650.04.080	SDAT40 x SCK4 - 80	148.4	80	56	28	22	39	M8 x 1.25P	1.30
66.650.04.110	SDAT40 x SCK4 - 110	178.4	110	86	28	22	39	M8 x 1.25P	1.35
66.650.05.095	SDAT40 x SCK5 - 95	163.4	95	75	35	28	50	M10 x 1.5P	1.40
66.650.05.110	SDAT40 x SCK5 - 110	178.4	110	90	35	28	50	M10 x 1.5P	1.45
66.650.06.065	SDAT40 x SCK6 - 65	133.4	65	45	42	36	63	M12 x 1.75P	1.50
66.650.06.095	SDAT40 x SCK6 - 95	163.4	95	75	42	36	63	M12 x 1.75P	1.55
67.650.02.095	SDAT50 x SCK2 - 95	196.75	95	66	18.5	14	23.5	M5 x 0.8P	3.20
67.650.02.125	SDAT50 x SCK2 - 125	226.75	125	96	18.5	14	23.5	M5 x 0.8P	3.25
67.650.03.125	SDAT50 x SCK3 - 125	226.75	125	96	24	18	31	M6 x 1.0P	3.30
67.650.03.155	SDAT50 x SCK3 - 155	256.75	155	126	24	18	31	M6 x 1.0P	3.35
67.650.04.110	SDAT50 x SCK4 - 110	211.75	110	81	28	22	39	M8 x 1.25P	3.40
67.650.04.125	SDAT50 x SCK4 - 125	226.75	125	96	28	22	39	M8 x 1.25P	3.45
67.650.05.065	SDAT50 x SCK5 - 65	166.75	65	36	35	28	50	M10 x 1.5P	3.50
67.650.05.140	SDAT50 x SCK5 - 140	241.75	140	111	35	28	50	M10 x 1.5P	3.55
67.650.06.140	SDAT50 x SCK6 - 140	241.75	140	111	42	36	63	M12 x 1.75P	3.60
67.650.06.170	SDAT50 x SCK6 - 170	271.75	170	141	42	36	63	M12 x 1.75P	3.65

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

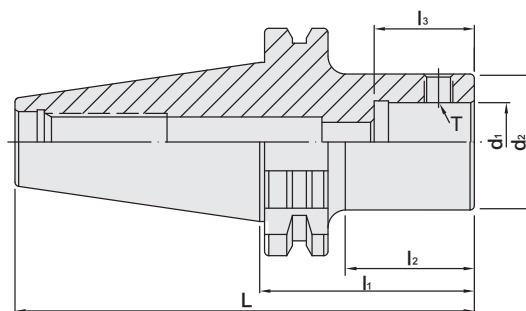
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-63	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

SDAT / MCK BORING HEAD SHANK

Dual
DRIVE+

SDAT / MCK 法蘭加厚型搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
66.487.01.080	SDAT40 x MCK1 - 80	148.4	80	50.9	18	11	19	M4 x 0.5P	1.00
66.487.01.095	SDAT40 x MCK1 - 95	163.4	95	65.9	18	11	19	M4 x 0.5P	1.05
66.487.02.080	SDAT40 x MCK2 - 80	148.4	80	50.9	18.5	14	23.5	M5 x 0.5P	1.10
66.487.02.110	SDAT40 x MCK2 - 110	178.4	110	80.9	18.5	14	23.5	M5 x 0.5P	1.15
66.487.03.090	SDAT40 x MCK3 - 90	158.4	90	65.9	24	18	31	M6 x 0.75P	1.20
66.487.03.125	SDAT40 x MCK3 - 125	193.4	125	100.9	24	18	31	M6 x 0.75P	1.25
66.487.04.080	SDAT40 x MCK4 - 80	148.4	80	55.9	28	22	39	M8 x 0.75P	1.30
66.487.04.110	SDAT40 x MCK4 - 110	178.4	110	85.9	28	22	39	M8 x 0.75P	1.35
66.487.05.095	SDAT40 x MCK5 - 95	163.4	95	75.4	35	28	50	M10 x 1.0P	1.40
66.487.05.110	SDAT40 x MCK5 - 110	178.4	110	90.4	35	28	50	M10 x 1.0P	1.45
66.487.06.065	SDAT40 x MCK6 - 65	133.4	65	45.4	42	36	63	M12 x 1.0P	1.50
66.487.06.095	SDAT40 x MCK6 - 95	163.4	95	75.4	42	36	63	M12 x 1.0P	1.55
67.487.01.110	SDAT50 x MCK1 - 110	211.75	110	80.9	18	11	19	M4 x 0.5P	3.10
67.487.01.125	SDAT50 x MCK1 - 125	226.75	125	95.9	18	11	19	M4 x 0.5P	3.15
67.487.02.095	SDAT50 x MCK2 - 95	196.75	95	65.9	18.5	14	23.5	M5 x 0.5P	3.20
67.487.02.125	SDAT50 x MCK2 - 125	226.75	125	95.9	18.5	14	23.5	M5 x 0.5P	3.25
67.487.03.125	SDAT50 x MCK3 - 125	226.75	125	95.9	24	18	31	M6 x 0.75P	3.30
67.487.03.155	SDAT50 x MCK3 - 155	256.75	155	125.9	24	18	31	M6 x 0.75P	3.35
67.487.04.110	SDAT50 x MCK4 - 110	211.75	110	80.9	28	22	39	M8 x 0.75P	3.40
67.487.04.125	SDAT50 x MCK4 - 125	226.75	125	95.9	28	22	39	M8 x 0.75P	3.45
67.487.05.065	SDAT50 x MCK5 - 65	166.75	65	35.9	35	28	50	M10 x 1.0P	3.50
67.487.05.140	SDAT50 x MCK5 - 140	241.75	140	110.9	35	28	50	M10 x 1.0P	3.55
67.487.06.140	SDAT50 x MCK6 - 140	241.75	140	110.9	42	36	63	M12 x 1.0P	3.60
67.487.06.170	SDAT50 x MCK6 - 170	271.75	170	140.9	42	36	63	M12 x 1.0P	3.65

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

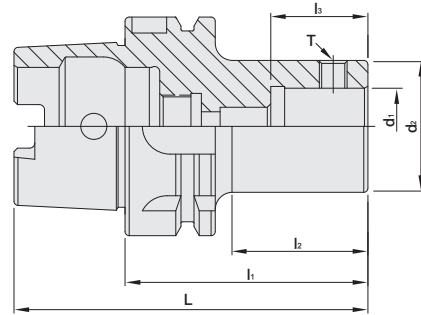
Pull Stud	EXTENSION SPACER	SCK	SMB	SBJ	SMU
P.W-63	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



HSK / SCK BORING HEAD SHANK

HSK / SCK 搪孔刀柄

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
37620	HSK40A x SCK1 - 50	70	50	27	18	11	19	M4 x 0.7P	0.60
37622	HSK40A x SCK2 - 60	80	60	37	18.5	14	23.5	M5 x 0.8P	0.70
37624	HSK40A x SCK3 - 60	80	60	38	24	18	31	M6 x 1.0P	0.80
37630	HSK50A x SCK1 - 60	85	60	31	18	11	19	M4 x 0.7P	1.00
37632	HSK50A x SCK2 - 60	85	60	31	18.5	14	23.5	M5 x 0.8P	1.10
37634	HSK50A x SCK3 - 60	85	60	32	24	18	31	M6 x 1.0P	1.20
37636	HSK50A x SCK4 - 60	85	60	32	28	22	39	M8 x 1.25P	1.30
37638	HSK50A x SCK5 - 80	105	80	53	35	28	50	M10 x 1.5P	1.40
37640	HSK50A x SCK6 - 80	105	80	53	42	36	63	M12 x 1.75P	1.50
37642	HSK63A x SCK1 - 80	112	80	49	18	11	19	M4 x 0.7P	1.20
37644	HSK63A x SCK1 - 95	127	95	64	18	11	19	M4 x 0.7P	1.25
37646	HSK63A x SCK2 - 80	112	80	44	18.5	14	23.5	M5 x 0.8P	1.30
37648	HSK63A x SCK2 - 110	142	110	79	18.5	14	23.5	M5 x 0.8P	1.35
37650	HSK63A x SCK3 - 90	122	90	59	24	18	31	M6 x 1.0P	1.40
37652	HSK63A x SCK3 - 125	157	125	94	24	18	31	M6 x 1.0P	1.45
37654	HSK63A x SCK4 - 80	112	80	49	28	22	39	M8 x 1.25P	1.50
37656	HSK63A x SCK4 - 110	142	110	79	28	22	39	M8 x 1.25P	1.55
37658	HSK63A x SCK5 - 95	127	95	67.5	35	28	50	M10 x 1.5P	1.60
37660	HSK63A x SCK5 - 110	142	110	82.5	35	28	50	M10 x 1.5P	1.65
37662	HSK63A x SCK6 - 70	102	70	43.5	42	36	63	M12 x 1.75P	1.70
37664	HSK63A x SCK6 - 95	127	95	68.5	42	36	63	M12 x 1.75P	1.75

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

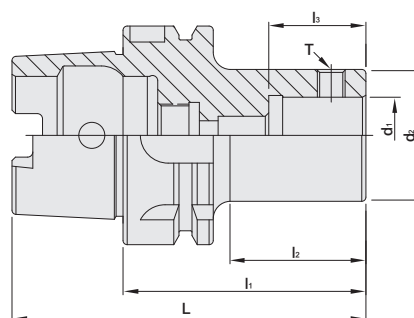
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit	Extension Spacer	SCK	SMB	SBJ	SMU	Key For Coolant Supply Unit
						
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.W-66

HSK / SCK BORING HEAD SHANK

HSK / SCK 搪孔刀柄

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
37686 - 100	HSK100A x SCK1 - 100	150	100	61	18	11	19	M4 x 0.7P	2.07
37688	HSK100A x SCK2 - 75	125	75	36	18.5	14	23.5	M5 x 0.8P	2.09
37688 - 115	HSK100A x SCK2 - 115	165	115	76	18.5	14	23.5	M5 x 0.8P	2.18
37690	HSK100A x SCK3 - 60	110	60	21	24	18	31	M6 x 1.0P	2.15
37690 - 125	HSK100A x SCK3 - 125	175	15	86	24	18	31	M6 x 1.0P	2.47
37692	HSK100A x SCK4 - 70	120	70	31	28	22	39	M8 x 1.25P	2.34
37692 - 120	HSK100A x SCK4 - 120	170	120	86	28	22	39	M8 x 1.25P	2.76
37694	HSK100A x SCK5 - 70	120	70	31	35	28	50	M10 x 1.5P	2.60
37694 - 110	HSK100A x SCK5 - 110	160	110	76	35	28	50	M10 x 1.5P	3.17
37696	HSK100A x SCK6 - 75	125	75	41	42	36	63	M12 x 1.75P	3.02
37696 - 100	HSK100A x SCK6 - 100	150	100	66	42	36	63	M12 x 1.75P	3.60

МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

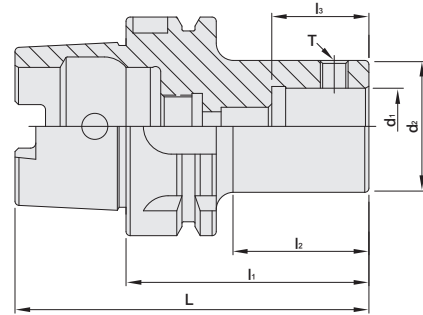
Coolant Supply Unit	EXTENSION SPACER	SCK	SMB	SBJ	SMU	Key For Coolant Supply Unit
						
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.W-66



HSK / MCK BORING HEAD SHANK

HSK / MCK 搪孔刀柄

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
37620M	HSK40A x MCK1 - 50	70	50	27	18	11	19	M4 x 0.5P	0.60
37622M	HSK40A x MCK2 - 60	80	60	37	18.5	14	23.5	M5 x 0.5P	0.70
37624M	HSK40A x MCK3 - 60	80	60	38	24	18	31	M6 x 0.75P	0.80
37630M	HSK50A x MCK1 - 60	85	60	31	18	11	19	M4 x 0.5P	1.00
37632M	HSK50A x MCK2 - 60	85	60	31	18.5	14	23.5	M5 x 0.5P	1.10
37634M	HSK50A x MCK3 - 60	85	60	32	24	18	31	M6 x 0.75P	1.20
37636M	HSK50A x MCK4 - 60	85	60	32	28	22	39	M8 x 0.75P	1.30
37638M	HSK50A x MCK5 - 80	105	80	53	35	28	50	M10 x 1.0P	1.40
37640M	HSK50A x MCK6 - 80	105	80	53	42	36	63	M12 x 1.0P	1.50
37642M	HSK63A x MCK1 - 80	112	80	49	18	11	19	M4 x 0.5P	1.20
37644M	HSK63A x MCK1 - 95	127	95	64	18	11	19	M4 x 0.5P	1.25
37646M	HSK63A x MCK2 - 80	112	80	44	18.5	14	23.5	M5 x 0.5P	1.30
37648M	HSK63A x MCK2 - 110	142	110	79	18.5	14	23.5	M5 x 0.5P	1.35
37650M	HSK63A x MCK3 - 90	122	90	59	24	18	31	M6 x 0.75P	1.40
37652M	HSK63A x MCK3 - 125	157	125	94	24	18	31	M6 x 0.75P	1.45
37654M	HSK63A x MCK4 - 80	112	80	49	28	22	39	M8 x 0.75P	1.50
37656M	HSK63A x MCK4 - 110	142	110	79	28	22	39	M8 x 0.75P	1.55
37658M	HSK63A x MCK5 - 95	127	95	67.5	35	28	50	M10 x 1.0P	1.60
37660M	HSK63A x MCK5 - 110	142	110	82.5	35	28	50	M10 x 1.0P	1.65
37662M	HSK63A x MCK6 - 70	102	70	43.5	42	36	63	M12 x 1.0P	1.70
37664M	HSK63A x MCK6 - 95	127	95	68.5	42	36	63	M12 x 1.0P	1.75

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

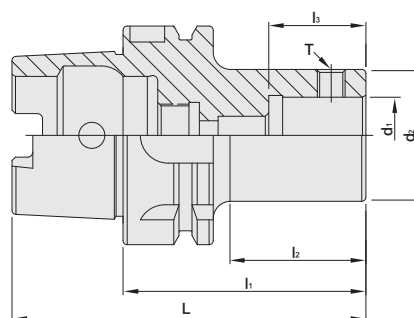
Coolant Supply Unit	Extension Spacer	SCK	SMB	SBJ	SMU	Key For Coolant Supply Unit
						
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.W-66



HSK / MCK BORING HEAD SHANK

HSK / MCK 搪孔刀柄

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
37686M	HSK100A x MCK1 - 100	150	100	61	18	11	19	M4 x 0.5P	2.07
37688M	HSK100A x MCK2 - 75	125	75	36	18.5	14	23.5	M5 x 0.5P	2.09
37688M - 115	HSK100A x MCK2 - 115	165	115	76	18.5	14	23.5	M5 x 0.5P	2.18
37690M	HSK100A x MCK3 - 60	110	60	21	24	18	31	M6 x 0.75P	2.15
37690M - 125	HSK100A x MCK3 - 125	175	15	86	24	18	31	M6 x 0.75P	2.47
37692M	HSK100A x MCK4 - 70	120	70	31	28	22	39	M8 x 0.75P	2.34
37692M - 120	HSK100A x MCK4 - 120	170	120	86	28	22	39	M8 x 0.75P	2.76
37694M	HSK100A x MCK5 - 70	120	70	31	35	28	50	M10 x 1.0P	2.60
37694M - 110	HSK100A x MCK5 - 110	160	110	76	35	28	50	M10 x 1.0P	3.17
37696M	HSK100A x MCK6 - 75	125	75	41	42	36	63	M12 x 1.0P	3.02
37696M - 100	HSK100A x MCK6 - 100	150	100	66	42	36	63	M12 x 1.0P	3.60
37698M	HSK100A x MCK7 - 123	173	123	93	52	46	90	M20 x 1.5P	4.00
37698M - 273	HSK100A x MCK7 - 273	323	273	228	52	46	90	M20 x 1.5P	5.00
37610M	HSK125A x MCK6 - 94	157	94	50	42	36	63	M12 x 1.0P	4.70
37612M	HSK125A x MCK7 - 123	186	123	84	52	46	90	M20 x 1.5P	7.20

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

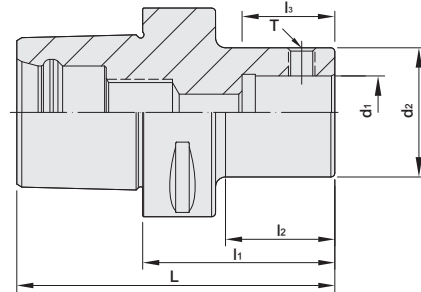
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit	EXTENSION SPACER	SCK	SMB	SBJ	SMU	SRW	SMB	Key For Coolant Supply Unit
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16	P.W-66



PSC / SCK BORING HEAD SHANK

PSC / SCK 搪頭刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
141.650.01.048	PSC40 x SCK1 - 48	72	48	22.5	18	11	19	M4 x 0.7P	0.40
141.650.02.045	PSC40 x SCK2 - 45	69	45	19.5	18.5	14	24	M5 x 0.8P	0.40
141.650.03.040	PSC40 x SCK3 - 40	64	40	17	24	18	31	M6 x 1.0P	0.50
141.650.04.033	PSC40 x SCK4 - 33	57	33	12.5	28	22	39	M8 x 1.25P	0.50
142.650.01.073	PSC50 x SCK1 - 73	103	73	47.5	18	11	19	M4 x 0.7P	0.50
142.650.02.085	PSC50 x SCK2 - 85	115	85	60.5	18.5	14	24	M5 x 0.8P	0.60
142.650.03.055	PSC50 x SCK3 - 55	85	55	30	24	18	31	M6 x 1.0P	0.60
142.650.03.080	PSC50 x SCK3 - 80	110	80	55	24	18	31	M6 x 1.0P	0.70
142.650.04.048	PSC50 x SCK4 - 48	78	48	23	28	22	39	M8 x 1.5P	0.60
142.650.04.073	PSC50 x SCK4 - 73	103	73	48	28	22	39	M8 x 1.5P	0.70
142.650.05.050	PSC50 x SCK5 - 50	80	50	30	35	28	50	M10 x 1.5P	0.60
142.650.05.083	PSC50 x SCK5 - 83	113	83	63	35	28	50	M10 x 1.5P	1.30
142.650.06.050	PSC50 x SCK6 - 50	80	50	30	42	36	63	M12 x 1.75P	1.00
143.650.01.078	PSC63 x SCK1 - 78	116	78	44	18	11	19	M4 x 0.7P	1.20
143.650.02.090	PSC63 x SCK2 - 90	128	90	53	18.5	14	24	M5 x 0.8P	1.30
143.650.03.065	PSC63 x SCK3 - 65	103	65	38	24	18	31	M6 x 1.0P	1.30
143.650.03.100	PSC63 x SCK3 - 100	138	100	73	24	18	31	M6 x 1.0P	1.50
143.650.04.058	PSC63 x SCK4 - 58	96	58	31	28	22	39	M8 x 1.5P	1.30
143.650.04.093	PSC63 x SCK4 - 93	131	93	66	28	22	39	M8 x 1.5P	1.70
143.650.05.048	PSC63 x SCK5 - 48	86	48	22	35	28	50	M10 x 1.5P	1.30
143.650.05.083	PSC63 x SCK5 - 83	121	83	57	35	28	50	M10 x 1.5P	1.70
143.650.06.059	PSC63 x SCK6 - 59	97	59	37	42	36	63	M12 x 1.75P	1.60
143.650.06.094	PSC63 x SCK6 - 94	132	94	72	42	36	63	M12 x 1.75P	2.30

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

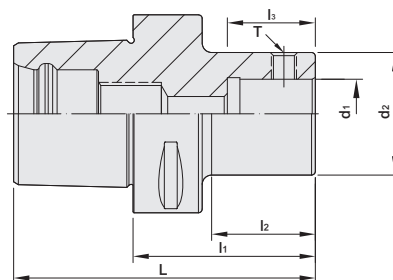
Product information:

- ▶ The pre-balance reaches G6.3 5,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit	Extension Spacer	SCK	SMB	SBJ	SMU
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2

PSC / MCK BORING HEAD SHANK

PSC / MCK 搪頭刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
141.487.01.048	PSC40 x MCK1 - 48	72	48	22.5	18	11	19	M4 x 0.5P	0.40
141.487.02.045	PSC40 x MCK2 - 45	69	45	19.5	18.5	14	24	M5 x 0.5P	0.40
141.487.03.040	PSC40 x MCK3 - 40	64	40	17	24	18	31	M6 x 0.75P	0.50
141.487.04.033	PSC40 x MCK4 - 33	57	33	12.5	28	22	39	M8 x 0.75P	0.50
142.487.01.073	PSC50 x MCK1 - 73	103	73	47.5	18	11	19	M4 x 0.5P	0.50
142.487.02.085	PSC50 x MCK2 - 85	115	85	60.5	18.5	14	24	M5 x 0.5P	0.60
142.487.03.055	PSC50 x MCK3 - 55	85	55	30	24	18	31	M6 x 0.75P	0.60
142.487.03.080	PSC50 x MCK3 - 80	110	80	55	24	18	31	M6 x 0.75P	0.70
142.487.04.048	PSC50 x MCK4 - 48	78	48	23	28	22	39	M8 x 0.75P	0.60
142.487.04.073	PSC50 x MCK4 - 73	103	73	48	28	22	39	M8 x 0.75P	0.70
142.487.05.050	PSC50 x MCK5 - 50	80	50	30	35	28	50	M10 x 1.0P	0.60
142.487.05.083	PSC50 x MCK5 - 83	113	83	63	35	28	50	M10 x 1.0P	1.30
142.487.06.050	PSC50 x MCK6 - 50	80	50	30	42	36	63	M12 x 1.0P	1.00
143.487.01.078	PSC63 x MCK1 - 78	116	78	44	18	11	19	M4 x 0.5P	1.20
143.487.02.090	PSC63 x MCK2 - 90	128	90	53	18.5	14	24	M5 x 0.5P	1.30
143.487.03.065	PSC63 x MCK3 - 65	103	65	38	24	18	31	M6 x 0.75P	1.30
143.487.03.100	PSC63 x MCK3 - 100	138	100	73	24	18	31	M6 x 0.75P	1.50
143.487.04.058	PSC63 x MCK4 - 58	96	58	31	28	22	39	M8 x 0.75P	1.30
143.487.04.093	PSC63 x MCK4 - 93	131	93	66	28	22	39	M8 x 0.75P	1.70
143.487.05.048	PSC63 x MCK5 - 48	86	48	22	35	28	50	M10 x 1.0P	1.30
143.487.05.083	PSC63 x MCK5 - 83	121	83	57	35	28	50	M10 x 1.0P	1.70
143.487.06.059	PSC63 x MCK6 - 59	97	59	37	42	36	63	M12 x 1.0P	1.60
143.487.06.094	PSC63 x MCK6 - 94	132	94	72	42	36	63	M12 x 1.0P	2.30

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

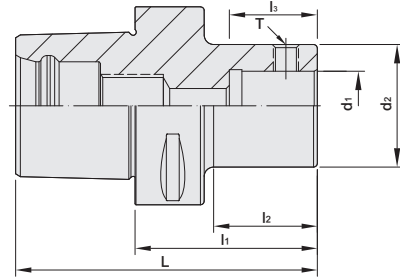
- ▶ The pre-balance reaches G6.3 5,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit	Extension Spacer	SCK	SMB	SBJ	SMU
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2



PSC / MCK BORING HEAD SHANK

PSC / MCK 搪頭刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
144.487.01.103	PSC80 x MCK1 - 103	151	103	68	18	11	19	M4 x 0.5P	2.60
144.487.02.115	PSC80 x MCK2 - 115	163	115	80	18.5	14	23.5	M5 x 0.5P	2.70
144.487.03.125	PSC80 x MCK3 - 125	173	125	90	24	18	31	M6 x 0.75P	2.90
144.487.04.118	PSC80 x MCK4 - 118	166	118	83	28	22	39	M8 x 0.75P	3.10
144.487.04.178	PSC80 x MCK4 - 178	226	178	138	28	22	39	M8 x 0.75P	3.70
144.487.05.108	PSC80 x MCK5 - 108	156	108	73	35	28	50	M10 x 1.0P	3.50
144.487.05.183	PSC80 x MCK5 - 183	231	183	143	35	28	50	M10 x 1.0P	4.60
144.487.06.074	PSC80 x MCK6 - 74	122	74	39	42	36	63	M12 x 1.0P	3.20
144.487.06.169	PSC80 x MCK6 - 169	217	169	134	42	36	63	M12 x 1.0P	5.80
144.487.07.073	PSC80 x MCK7 - 73	121	73	38	52	46	90	M20 x 1.5P	5.00
144.487.07.123	PSC80 x MCK7 - 123	171	123	88	52	46	90	M20 x 1.5P	8.40

МАШСЕРВИС

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

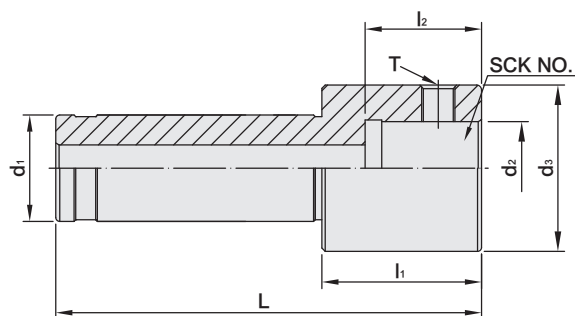
- ▶ The pre-balance reaches G6.3 5,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply unit	Extension Spacer	SCK	SMB	SBJ	SMU	SRW	SMB
P.W-66	P.M-51~52	P.M-3	P.M-12~13	P.M-4	P.M-2	P.M-14	P.M-16

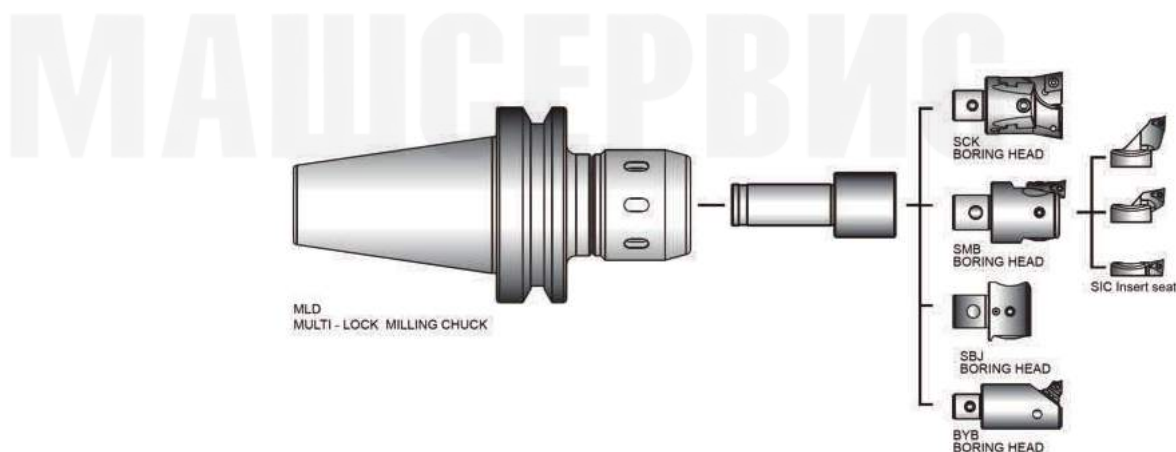


STRAIGHT SHANK SCK BORING HEAD SHANK

直柄 SCK 搪孔夾頭柄



MODEL NO.	TYPE	SCK NO.	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
09572	C32 x SCK1 - 77	SCK1	157	77	18	32	11	19	M4 x 0.7P	0.70
09574	C32 x SCK2 - 72.5	SCK2	152.5	72.5	18.5	32	14	24	M5 x 0.8P	0.70
09576	C32 x SCK3 - 69	SCK3	149	69	24	32	18	31	M6 x 1.0P	0.80
09578	C32 x SCK4 - 58	SCK4	138	58	28	32	22	39	M8 x 1.25P	0.90
09580	C32 x SCK5 - 48	SCK5	128	48	35	32	28	50	M10 x 1.5P	0.90
09582	C32 x SCK6 - 59	SCK6	139	59	42	32	36	63	M12 x 1.75P	1.50
09586	C42 x SCK1 - 77	SCK1	157	77	18	42	11	19	M4 x 0.7P	1.00
09588	C42 x SCK2 - 72.5	SCK2	152.5	72.5	18.5	42	14	24	M5 x 0.8P	1.00
09590	C42 x SCK3 - 69	SCK3	149	69	24	42	18	31	M6 x 1.0P	1.10
09592	C42 x SCK4 - 58	SCK4	138	58	28	42	22	39	M8 x 1.25P	1.20
09594	C42 x SCK5 - 48	SCK5	128	48	35	42	28	50	M10 x 1.5P	1.30
09596	C42 x SCK6 - 59	SCK6	139	59	42	42	36	63	M12 x 1.75P	1.80



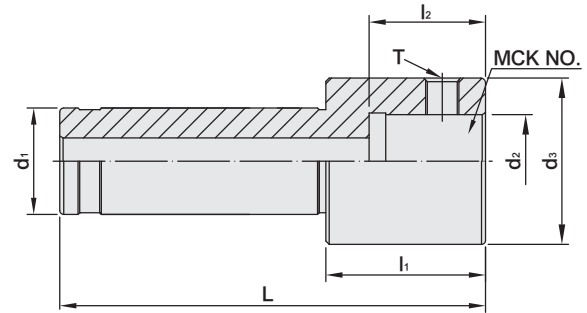
Features:

- ▶ Shank tolerance: h6
- ▶ Internal hole tolerance: H6
- ▶ Used with MLD Milling Chuck and suitable for high rigidity processing.
- ▶ Suitable for combining with Rough and Finish Boring Head series.



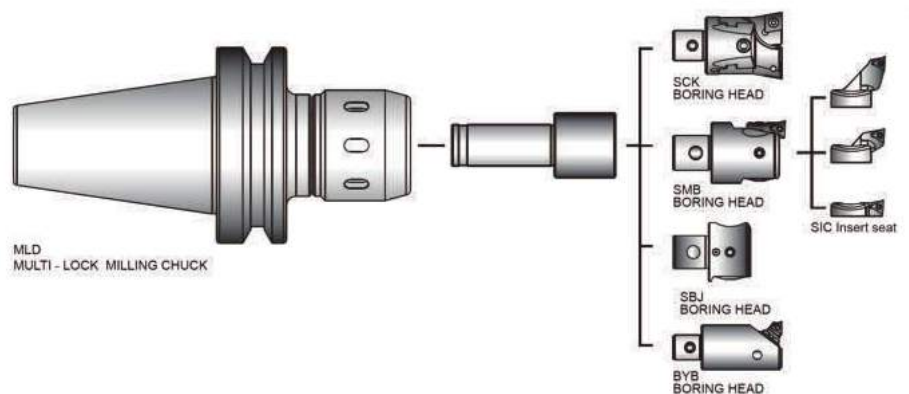
STRAIGHT SHANK MCK BORING HEAD SHANK

直柄 MCK 搪孔夾頭柄



MODEL NO.	TYPE	MCK NO.	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
09572M	C32 x MCK1 - 77	MCK1	157	77	18	32	11	19	M4 x 0.5P	0.70
09574M	C32 x MCK2 - 72.5	MCK2	152.5	72.5	18.5	32	14	24	M5 x 0.5P	0.70
09576M	C32 x MCK3 - 69	MCK3	149	69	24	32	18	31	M6 x 0.75P	0.80
09578M	C32 x MCK4 - 58	MCK4	138	58	28	32	22	39	M8 x 0.75P	0.90
09580M	C32 x MCK5 - 48	MCK5	128	48	35	32	28	50	M10 x 1.0P	0.90
09582M	C32 x MCK6 - 59	MCK6	139	59	42	32	36	63	M12 x 1.0P	1.50
09586M	C42 x MCK1 - 77	MCK1	157	77	18	42	11	19	M4 x 0.5P	1.00
09588M	C42 x MCK2 - 72.5	MCK2	152.5	72.5	18.5	42	14	24	M5 x 0.5P	1.00
09590M	C42 x MCK3 - 69	MCK3	149	69	24	42	18	31	M6 x 0.75P	1.10
09592M	C42 x MCK4 - 58	MCK4	138	58	28	42	22	39	M8 x 0.75P	1.20
09594M	C42 x MCK5 - 48	MCK5	128	48	35	42	28	50	M10 x 1.0P	1.30
09596M	C42 x MCK6 - 59	MCK6	139	59	42	42	36	63	M12 x 1.0P	1.80

МАШСЕРВИС



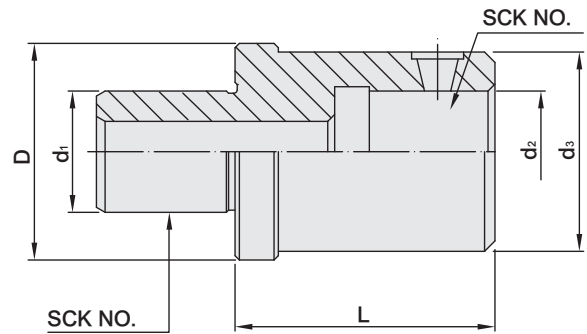
Features:

- ▶ Shank tolerance: h6
- ▶ Internal hole tolerance: H6
- ▶ Used with MLD Milling Chuck and suitable for high rigidity processing.
- ▶ Suitable for combining with Rough and Finish Boring Head series.



SCK EXTENSION SPACER

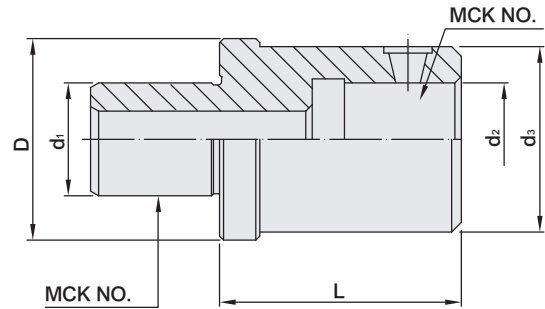
SCK 搪孔頭延長桿



MODEL NO.	TYPE	L	D	d ₁	d ₂	d ₃	WEIGHT (KGS)
17550	SCK1 - 1 - 30	30	-	11	11	19	0.20
17552	SCK2 - 2 - 30	30	-	14	14	24	0.30
17554	SCK3 - 2 - 37	37	31	18	14	24	0.34
17556	SCK3 - 3 - 30	30	-	18	18	31	0.32
17558	SCK4 - 2 - 50	50	39	22	14	24	0.60
17560	SCK4 - 3 - 50	50	39	22	18	31	0.56
17562	SCK4 - 4 - 45	45	-	22	22	39	0.52
17564	SCK5 - 2 - 54	54	49	28	14	24	0.72
17566	SCK5 - 3 - 47	47	49	28	18	31	0.70
17568	SCK5 - 4 - 42	42	49	28	22	39	0.65
17570	SCK5 - 5 - 60	60	-	28	28	50	0.60
17572	SCK6 - 2 - 63	63	64	36	14	24	1.50
17574	SCK6 - 3 - 56	56	64	36	18	31	1.30
17576	SCK6 - 4 - 51	51	64	36	22	39	1.10
17578	SCK6 - 5 - 41	41	64	36	28	50	1.05
17580	SCK6 - 6 - 60	60	-	36	36	63	0.95

MCK EXTENSION SPACER

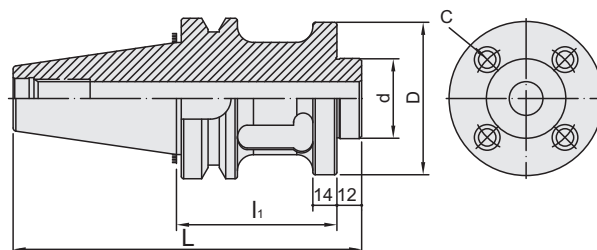
MCK 搪孔頭延長桿



MODEL NO.	TYPE	L	D	d ₁	d ₂	d ₃	WEIGHT (KGS)
17550M	MCK1 - 1 - 30	30	-	11	11	19	0.20
17552M	MCK2 - 2 - 30	30	-	14	14	24	0.30
17554M	MCK3 - 2 - 37	37	31	18	14	24	0.34
17556M	MCK3 - 3 - 30	30	-	18	18	31	0.32
17558M	MCK4 - 2 - 50	50	39	22	14	24	0.60
17560M	MCK4 - 3 - 50	50	39	22	18	31	0.56
17562M	MCK4 - 4 - 45	45	-	22	22	39	0.52
17564M	MCK5 - 2 - 54	54	49	28	14	24	0.72
17566M	MCK5 - 3 - 47	47	49	28	18	31	0.70
17568M	MCK5 - 4 - 42	42	49	28	22	39	0.65
17570M	MCK5 - 5 - 60	60	-	28	28	50	0.60
17572M	MCK6 - 2 - 63	63	64	36	14	24	1.50
17574M	MCK6 - 3 - 56	56	64	36	18	31	1.30
17576M	MCK6 - 4 - 51	51	64	36	22	39	1.10
17578M	MCK6 - 5 - 41	41	64	36	28	50	1.05
17580M	MCK6 - 6 - 60	60	-	36	36	63	0.95



PRECISION BT BORING HEAD SHANK

BST 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	D	d h7	C	WEIGHT (KGS)
18422	BT50 x BST - 100	208.8	100	95	50	72	5.65
18424	BT50 x BST - 150	258.8	150	95	50	72	4.00
18426	BT50 x BST - 200	308.8	200	95	50	72	8.75
18428	BT50 x BST - 250	358.8	250	95	50	72	9.76
18430	BT50 x BST - 300	408.8	300	95	50	72	11.5
18432	BT50 x BST - 350	458.8	350	95	50	72	12.8
45230	DAT50 x BST - 150	258.75	150	95	50	72	4.00
45230 - 200	DAT50 x BST - 200	308.75	200	95	50	72	8.75
45230 - 250	DAT50 x BST - 250	358.75	250	95	50	72	9.76

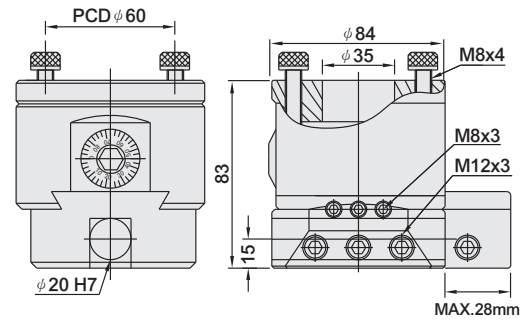
МАШСЕРВИС

SRW	SMB
	
P.M-15	P.M-17



NBH BORING HEAD

NBH 高精密搪孔頭



MODEL NO.	TYPE	BORING CAPACITY	BODY DIA	STROKE	MIN FEED	TOOLING DIA	BODY LENGTH	WEIGHT (KGS)
82704	NBH - 2084	8 - 280 mm	84	28	0.01	$\phi 20$	83	2.75

Features:

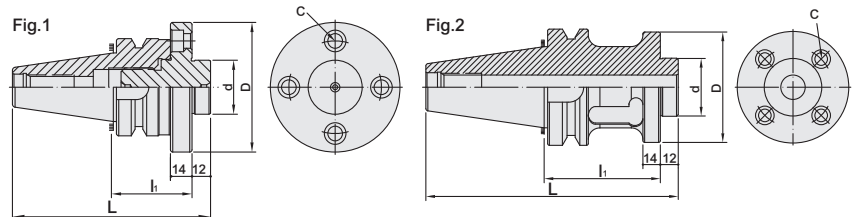
- ▶ Each increment 0.005mm.
- ▶ Boring range 8mm ~ 280mm.

Product information:

- ▶ Can choose the shank for boring head fit for the machine spindle.
- ▶ Boring head only, not including shank and cutter.

PRECISION BT BORING HEAD SHANK

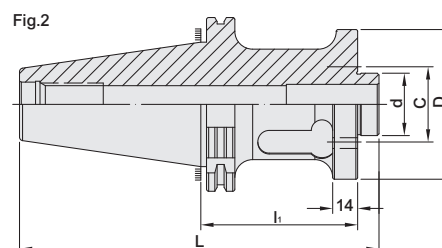
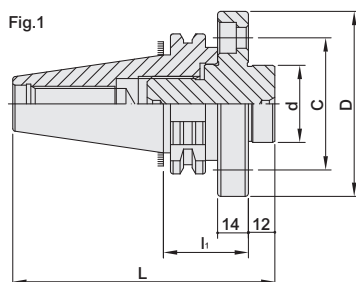
BT / NBH 搪孔刀柄



MODEL NO.	TYPE	L	l ₁	D	d h7	C	Fig.	WEIGHT (KGS)
17685	BT30 x NBH2084A	124.4	42	84	35	60	1	1.70
17686	BT40 x NBH2084A	155.4	51	84	35	60	1	1.70
17687	BT50 x NBH2084A	170.8	57	84	35	60	1	3.50
17681	BT30 x NBH2084B - 100	160.4	100	84	35	60	2	1.90
17682	BT40 x NBH2084B - 100	177.4	100	84	35	60	2	2.00
17683	BT50 x NBH2084B - 100	213.8	100	84	35	60	2	4.00
17684	BT50 x NBH2084B - 165	278.8	165	84	35	60	2	4.50

PRECISION DAT BORING HEAD SHANK

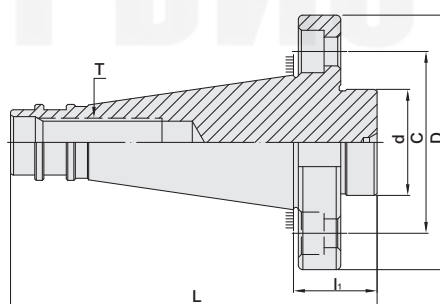
DAT / NBH 搪孔刀柄



MODEL NO.	TYPE	L	li	D	d h7	C	Fig.	WEIGHT (KGS)
45210	DAT30 x NBH2084A	94.8	35	84	35	60	1	1.70
45215	DAT40 x NBH2084A	115.4	35	84	35	60	1	1.70
45218	DAT50 x NBH2084A	148.75	35	84	35	60	1	3.50
45212	DAT30 x NBH2084B - 100	159.8	100	84	35	60	2	1.90
45217	DAT40 x NBH2084B - 100	180.4	100	84	35	60	2	2.00
45220	DAT50 x NBH2084B	213.75	100	84	35	60	2	4.00

PRECISION BORING HEAD SHANK

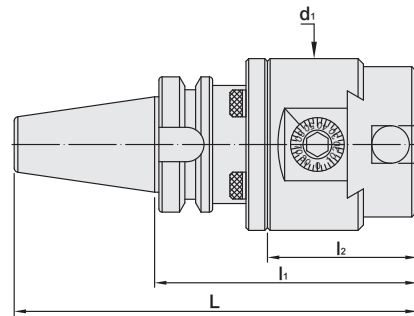
搪孔刀柄



MODEL NO.	TYPE	L	li	D	d	C	T DRAW BAR	WEIGHT (KGS)
82632	C32 x NBH2084	95	14	84	35	60	-	1.10
82635	R8 x NBH2084	129	29	84	35	60	7/16" - 20	1.10
82638	MTB3 x NBH2084	112	31	84	35	60	M12 x 1.75P	1.00
82641	MTB4 x NBH2084	135	32.5	84	35	60	M16 x 2.0P	1.30
82644	MTB5 x NBH2084	162	32.5	84	35	60	M24 x 3.0P	2.30
82647	NT30 x NBH2084	96	27.6	84	35	60	M12 x 1.75P	0.80
82650	NT40 x NBH2084	121	27.6	84	35	60	M16 x 2.0P	1.20
82653	NT50 x NBH2084	168	41.2	84	35	60	M24 x 3.0P	3.50
82656	C32 x SBJ16	135	55	63	36	M12	-	1.20
82659	C42 x SBJ16	135	55	63	36	M12	-	1.60
82662	R8 x SBJ16	162	55	63	36	M12	7/16" - 20	1.20
82665	NT30 x SBJ16	128	59.6	63	36	M12	M12 x 1.75P	1.10
82668	NT40 x SBJ16	148	54.6	63	36	M12	M16 x 2.0P	1.20
82671	NT50 x SBJ16	215	88.2	63	36	M12	M24 x 3.0P	3.70

PRECISION BORING HEAD SHANK SET

高精密搪孔組



MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
17695	BT40 x NBH2084	98	200.4	125	83	84	4.60
17696	BT50 x NBH2084	135	242.8	171	83	84	7.50
45115	DAT40 x NBH2084	98	186.4	118	83	84	4.60
45118	DAT50 x NBH2084	135	219.75	118	83	84	7.30
82572	C32 x NBH2084	8 ~ 280	180	100	83	84	3.90
82574	R8 x NBH2084	8 ~ 280	200	100	83	84	3.90
82576	MTB3 x NBH2084	8 ~ 280	181	100	83	84	3.80
82578	MTB4 x NBH2084	8 ~ 280	202.5	100	83	84	4.00
82580	MTB5 x NBH2084	8 ~ 280	229.5	100	83	84	5.10
82582	NT30 x NBH2084	8 ~ 280	168.4	100	83	84	3.60
82584	NT40 x NBH2084	8 ~ 280	193.4	100	83	84	4.00
82586	NT50 x NBH2084	8 ~ 280	226.8	115	83	84	6.30

МАШСЕРВИС

Features:

- ▶ Contains shank and boring head, but without boring cutters.

BORING HEAD FULL SET

PRECISION

BT / NBH 高精密 套装搪孔頭



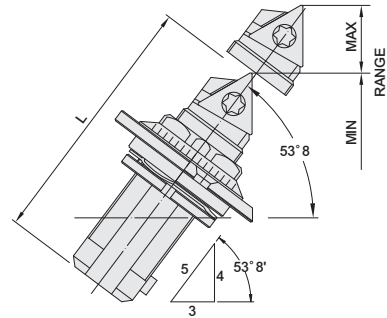
MODEL NO.	TYPE	BORING CAPACITY	BOING CUTTER W/O INSERTS	WRENCH
17675 - 3P	BT40 x NBH2084	8 ~ 280	SBJ-2010-40 / SBJ-2020-83 / SBJ-20-20L	3
17676 - 3P	BT50 x NBH2084	8 ~ 280		3
17675 - 8P	BT40 x NBH2084	8 ~ 280	SBJ-2008-32 / SBJ-2010-40 / SBJ-2012-53 SBJ-2016-68 / SBJ-2020-83 / SBJ-2025-96 SBJ-2030-115 / SBJ-20-20L	3
17676 - 8P	BT50 x NBH2084	8 ~ 280		3

МАШСЕРВИС

BYB BORING HEAD

MICROMETER ADJUSTABLE

BYB 微切削搪孔頭



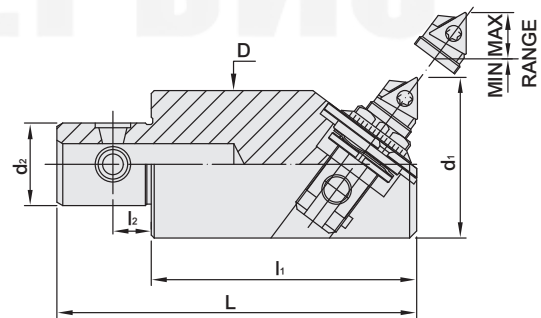
MODEL NO.	TYPE	RANGE		L	INSERT	SCREW	WRENCH	BYB BORING HEAD TYPE	WEIGHT (KGS)
		MIN.	MAX.						
17406	M2 - 19	19	22.5	20.7	TB..0601	M2-3.8-2.68-43	T6	M2 - 19	0.06
17408	M2 - 22	22	29.5	23.5	TB..0601	M2-3.8-2.68-43	T6	M2 - 19	0.06
17410	M3 - 29	29	41	31	TB..0601	M2-5.0-2.7-60	T6	M2 - 19	0.07
17412	M5 - 38	38	50	40	TP..1103	M2.5-7.5-4.3-60	T9	M2 - 22	0.08
17414	M5 - 48	48	65	47.7	TP..1103	M2.5-7.5-4.3-60	T9	M2 - 22	0.10
17416	M7 - 62	62	90	63.5	TP..16T3	M4-10-5.0-43	T15	M3 - 29	0.20

Product information:

- ▶ For the body of boring head, please refer to BYB FINISH BORING HEAD BODY.
- ▶ Inserts are optional accessories. Need to be purchased additionally.

BYB FINISH BORING HEAD BODY

BYB 微切削搪刀柄



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	d ₁		d ₂	L	l ₁	l ₂	D	WEIGHT (KGS)
			MIN.	MAX.						
17382	BYB19	MCK1	19	22.5	11	51	35	4.75	18	0.36
17384	BYB22	MCK1	22	29.5	11	51	35	4.75	20	0.36
17386	BYB29	MCK2	29	41	14	61	45	6.5	25	0.37
17388	BYB38	MCK3	38	50	18	90	70	7.7	35	0.41
17390	BYB48	MCK4	48	65	22	84	60	7.7	41	0.59
17392	BYB62	MCK5	62	90	28	110	80	12.7	54	0.70
17394	BYB82	MCK6	82	110	36	150	110	15.7	67	1.05

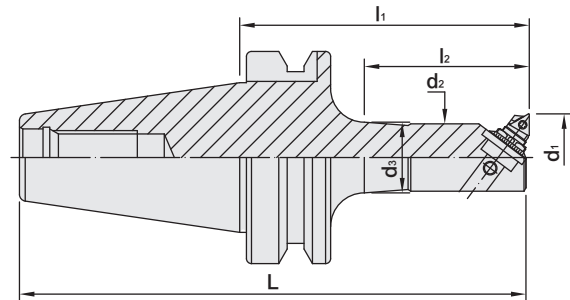
Product information:

- ▶ Only contains the body, not including BYB Micrometer Adjustable Boring Head.
- ▶ Inserts are optional accessories. Need to be purchased additionally.

BT / BYB BORING HEAD SHANK

MICROMETER ADJUSTABLE

BT / BYB 微切削搪孔刀柄



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁		d ₂	d ₃	WEIGHT (KGS)
					MIN.	MAX.			
17423	BT30 x BYB19 - 90	138.4	90	63	19	22.5	18	18	0.70
17424	BT30 x BYB22 - 105	153.4	105	78	22	29.5	20	20	0.70
17425	BT30 x BYB29 - 120	168.4	120	95	29	41	25	25	0.90
17426	BT30 x BYB38 - 120	168.4	120	95	38	50	35	35	1.40
17427	BT30 x BYB48 - 120	168.4	120	95	48	65	41	41	2.10
17433	BT40 x BYB19 - 120	185.4	120	83	19	22.5	18	18	1.50
17434	BT40 x BYB22 - 135	200.4	135	98	22	29.5	20	21	1.50
17435	BT40 x BYB29 - 150	215.4	150	116	29	41	25	27	1.50
17436	BT40 x BYB29 - 180	245.4	180	146	29	41	25	27	2.00
17437	BT40 x BYB38 - 150	215.4	150	113	38	50	35	36	1.80
17438	BT40 x BYB38 - 210	275.4	210	173	38	50	35	36	2.20
17439	BT40 x BYB48 - 150	215.4	150	113	48	65	41	46	2.10
17440	BT40 x BYB48 - 210	275.4	210	173	48	65	41	46	2.30
17441	BT40 x BYB62 - 150	215.4	150	123	62	90	54	60	2.90
17442	BT40 x BYB62 - 210	275.4	210	183	62	90	54	60	3.60
17453	BT50 x BYB19 - 135	236.8	135	85	19	22.5	18	18	3.80
17454	BT50 x BYB22 - 150	251.8	150	100	22	29.5	20	21	3.90
17455	BT50 x BYB29 - 150	251.8	150	100	29	41	25	27	4.50
17456	BT50 x BYB29 - 180	281.8	180	130	29	41	25	27	4.60
17457	BT50 x BYB38 - 165	266.8	165	115	38	50	35	36	4.50
17458	BT50 x BYB38 - 225	326.8	225	175	38	50	35	36	5.00
17459	BT50 x BYB48 - 165	266.8	165	122	48	65	41	40	5.20
17460	BT50 x BYB48 - 210	311.8	210	160	48	65	41	46	5.50
17461	BT50 x BYB48 - 255	356.8	255	205	48	65	41	46	5.70
17462	BT50 x BYB62 - 180	281.8	180	130	62	90	54	53	7.00
17463	BT50 x BYB62 - 240	341.8	240	185	62	90	54	60	7.60
17464	BT50 x BYB62 - 330	431.8	330	280	62	90	54	60	9.50

Features:

- ▶ Graduated dial for micro-adjustment in 0.02mm increments.

Product information:

- ▶ The pre-balance reaches G6.3 5 ,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud

BYB Boring Head



P.W-60~61

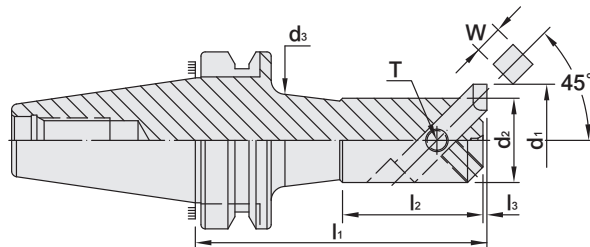
P.M-58



BT SQUARE CUTTER BORING BAR

TYPE : 45°

45° 粗搪孔刀柄



MODEL NO.	TYPE	l ₁	l ₂	l ₃	d ₁		d ₂	d ₃	W	T	WEIGHT (KGS)
					MIN.	MAX					
17201	BT40 x BSA25 - 120	120	35	1	25	38	20	22	8	M6	1.20
17202	BT40 x BSA30 - 150	150	40	1.6	30	42	24	26	8	M6	1.40
17203	BT40 x BSA38 - 165	165	50	2.6	38	52	30	33	10	M8	1.70
17204	BT40 x BSA42 - 165	165	50	2.6	42	56	34	37	10	M8	2.00
17205	BT40 x BSA50 - 165	165	65	3	50	65	40	44	13	M8	2.30
17206	BT40 x BSA62 - 180	180	80	2	62	90	50	56	16	M10	3.40
17207	BT40 x BSA72 - 180	180	149	2.4	72	110	60	-	19	M10	3.90
17208	BT40 x BSA90 - 180	180	60	4	90	125	75	-	19	M10	5.20
17211	BT50 x BSA25 - 135	135	35	1	25	38	20	22	8	M6	4.20
17212	BT50 x BSA30 - 165	165	40	1.6	30	42	24	26	8	M6	4.40
17213	BT50 x BSA38 - 180	180	50	2.6	38	52	30	33	10	M8	4.80
17214	BT50 x BSA42 - 210	210	50	2.6	42	56	34	37	10	M8	5.00
17215	BT50 x BSA50 - 180	180	65	3	50	65	40	44	13	M10	5.40
17216	BT50 x BSA50 - 240	240	65	3	50	65	40	44	13	M10	5.70
17217	BT50 x BSA62 - 195	195	80	2	62	90	50	56	16	M10	6.20
17218	BT50 x BSA62 - 270	270	80	2	62	90	50	56	16	M10	7.60
17219	BT50 x BSA72 - 195	195	95	2.4	72	110	60	66	19	M10	7.00
17220	BT50 x BSA72 - 285	285	95	2.4	72	110	60	66	19	M10	9.30
17221	BT50 x BSA90 - 210	210	110	4	90	125	75	80	19	M12	9.20
17222	BT50 x BSA90 - 300	300	110	4	90	125	75	80	19	M12	12.3
17223	BT50 x BSA105 - 195	195	153	3	105	160	90	-	25	M12	10.7
17224	BT50 x BSA105 - 285	285	130	3	105	160	90	94	25	M12	15.0
17225	BT50 x BSA130 - 255	255	120	3	130	190	110	-	25	M12	14.5

Product information:

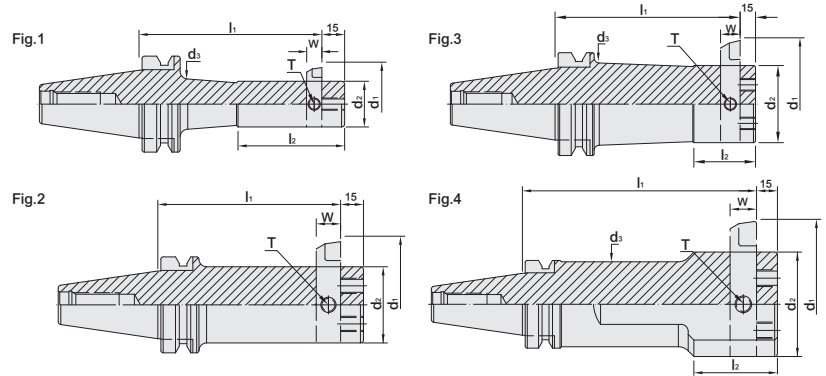
- The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.



BT SQUARE CUTTER BORING BAR

TYPE : 90°

90° 粗搪孔刀柄



MODEL NO.	TYPE	l ₁	l ₂	d ₁		d ₂	d ₃	W	T	Fig	WEIGHT (KGS)
				MIN.	MAX						
17252	BT40 x BSB25 - 135	135	50	25	52	20	22	8	M6	1	1.30
17254	BT40 x BSB38 - 150	150	70	38	70	30	33	10	M8	1	2.00
17256	BT40 x BSB50 - 165	165	85	50	90	40	44	13	M10	1	2.50
17258	BT40 x BSB62 - 180	180	95	62	115	50	-	16	M10	3	3.70
17260	BT40 x BSB72 - 180	180	-	72	135	60	-	19	M10	2	4.70
17262	BT40 x BSB90 - 180	180	60	90	150	75	61	19	M12	4	5.20
17272	BT50 x BSB25 - 135	135	50	25	52	20	22	8	M6	1	4.20
17274	BT50 x BSB38 - 180	180	70	38	70	30	33	10	M8	1	4.90
17276	BT50 x BSB50 - 180	180	85	50	90	40	44	13	M10	1	5.50
17278	BT50 x BSB50 - 240	240	85	50	90	40	44	13	M10	1	5.80
17280	BT50 x BSB62 - 195	195	-	62	115	50	-	16	M10	2	6.40
17282	BT50 x BSB62 - 270	270	-	62	115	50	-	16	M10	2	7.80
17284	BT50 x BSB72 - 195	195	-	72	135	60	-	19	M12	2	7.30
17286	BT50 x BSB72 - 285	285	-	72	135	60	-	19	M12	2	9.60
17288	BT50 x BSB90 - 210	210	60	90	150	75	80	19	M12	3	9.70
17290	BT50 x BSB90 - 300	300	60	90	150	75	80	19	M12	3	12.8
17292	BT50 x BSB105 - 195	195	-	105	190	90	-	25	M12	2	11.4
17294	BT50 x BSB105 - 285	285	-	105	190	90	-	25	M12	2	15.7
17296	BT50 x BSB130 - 255	225	75	130	260	110	98	25	M12	4	14.1

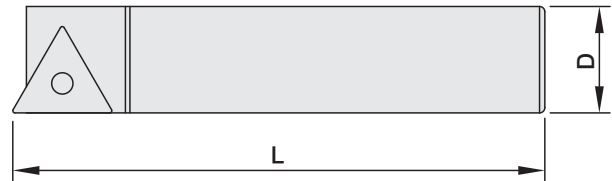
Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.



THROW AWAY BORING CUTTER

SBS 捨棄式搪孔刀



MODEL NO.	TYPE	D	L	ANGLE	INSERTS	SCREW	WRENCH	TORQUE (N.m)	WEIGHT (KGS)
17230	SBS - 308	8	55	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
17231	SBS - 310	10	65	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
17232	SBS - 313	13	80	30°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
17233	SBS - 316	16	120	30°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.24
17234	SBS - 319	19	140	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
17235	SBS - 325	25	150	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
17236	SBS - 408	8	55	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
17237	SBS - 410	10	65	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
17238	SBS - 413	13	80	45°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
17239	SBS - 416	16	120	45°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.24
17240	SBS - 419	19	140	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
17241	SBS - 425	25	150	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
17242	SBS - 908	8	55	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
17243	SBS - 910	10	65	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
17244	SBS - 913	13	80	90°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
17245	SBS - 916	16	120	90°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.24
17246	SBS - 919	19	140	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
17247	SBS - 925	25	150	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.74

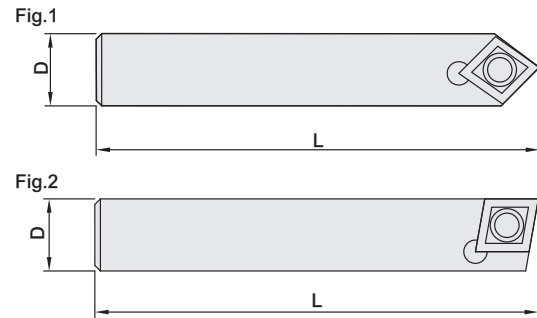
Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



THROW AWAY BORING CUTTER

CBS 捨棄式搪孔刀



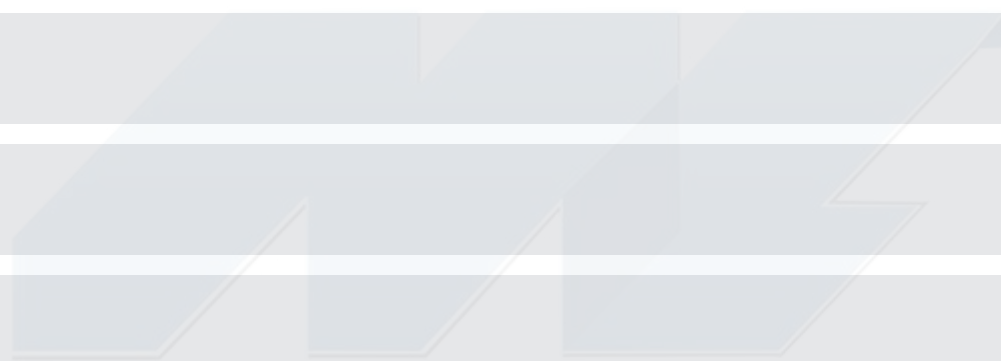
MODEL NO.	TYPE	D	L	ANGLE	INSERTS	SCREW	WRENCH	TORQUE (N.m)	Fig.	WEIGHT (KGS)
17301	CBS - 308	8	55	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
17302	CBS - 310	10	65	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.06
17303	CBS - 313	13	80	30°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
17304	CBS - 316	16	120	30°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.27
17305	CBS - 319	19	140	30°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
17306	CBS - 408	8	55	45°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
17307	CBS - 410	10	65	45°	CC..09T3	M4-10-5.7-60	T15	1.4	1	0.06
17308	CBS - 413	13	80	45°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
17309	CBS - 416	16	120	45°	CC..1204	M5-11-7.5-60	T20	2.0	1	0.27
17310	CBS - 419	19	140	45°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
17311	CBS - 908	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
17312	CBS - 910	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.06
17313	CBS - 913	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
17314	CBS - 916	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.27
17315	CBS - 919	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
17316	CBS - 908L	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T9	1.4	2	0.04
17317	CBS - 910L	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T9	1.4	2	0.06
17318	CBS - 913L	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	2	0.12
17319	CBS - 916L	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	2	0.27
17320	CBS - 919L	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	2	0.41

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



MEMO



МАШСЕРВИС



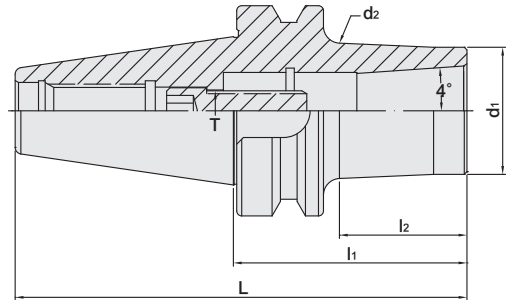
HBL

CATEGORY

BT / HBL SLIM-FIT COLLET CHUCK	N-2
CAT / HBL SLIM-FIT COLLET CHUCK	N-3
DAT / HBL SLIM-FIT COLLET CHUCK	N-4
SBT / HBL SLIM-FIT COLLET CHUCK	N-5
SCAT / HBL SLIM-FIT COLLET CHUCK	N-6
SDAT / HBL SLIM-FIT COLLET CHUCK	N-7
HSK / HBL SLIM-FIT COLLET CHUCK	N-8
PSC / HBL SLIM-FIT COLLET CHUCK	N-9
HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	N-10
HLB / FR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	N-11
HLB / GR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	N-12
HLB / HF POWERLOC SQUARE SHANK HIGH-FEED END MILL	N-13
HLB / SFC COLLET TYPE SHRINK FIT CHUCK	N-14~15
HLB / MAP FACE CONTACT TYPE 90° END MILL CUTTER	N-16
HLB / CMAP FACE CONTACT TYPE 90° END MILL CUTTER	N-17
HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER	N-18~19
HLB / PMB FACE CONTACT TYPE FINISH BORING HEAD	N-20
HLB / PCK FACE CONTACT TYPE ROUGH BORING HEAD	N-21
HLB / MCK FACE CONTACT TYPE BORING HEAD SHANK	N-22

BT / HBL SLIM-FIT COLLET CHUCK

BT / HBL 後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
18858H	BT30 x HBL12 - 70	118.4	70	47	31.75	34.9	M10 x 1.5P	1.40
18860H	BT30 x HBL12 - 100	148.4	100	77	31.75	37.6	M10 x 1.5P	1.65
18862H	BT30 x HBL20 - 80	128.4	80	56	38.1	42.1	M12 x 1.75P	1.40
18864H	BT30 x HBL20 - 100	148.4	100	76	38.1	43.9	M12 x 1.75P	1.65
18870H	BT40 x HBL12 - 70	135.4	70	33	31.75	33.7	M10 x 1.5P	1.70
18872H	BT40 x HBL12 - 100	165.4	100	63	31.75	36.4	M10 x 1.5P	1.90
18874H	BT40 x HBL20 - 70	135.4	70	38	38.1	40.5	M12 x 1.75P	1.70
18876H	BT40 x HBL20 - 100	165.4	100	68	38.1	43.1	M12 x 1.75P	1.90
18877H	BT40 x HBL25 - 80	145.4	80	50	44.45	47.9	M16 x 1.5P	1.90
18877H-100	BT40 x HBL25 - 100	165.4	100	70	44.45	49.7	M16 x 1.5P	2.10
18882H	BT50 x HBL12 - 70	171.8	70	22	31.75	32.8	M10 x 1.5P	4.40
18884H	BT50 x HBL12 - 100	201.8	100	52	31.75	35.4	M10 x 1.5P	4.50
18886H	BT50 x HBL20 - 70	171.8	70	22	38.1	39.1	M12 x 1.75P	4.80
18888H	BT50 x HBL20 - 100	201.8	100	52	38.1	41.8	M12 x 1.75P	4.90
18890H	BT50 x HBL25 - 70	171.8	70	22	44.45	45.5	M16 x 1.5P	5.00
18890H-100	BT50 x HBL25 - 100	201.8	100	54	44.45	48.4	M16 x 1.5P	5.20

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud

Spanner

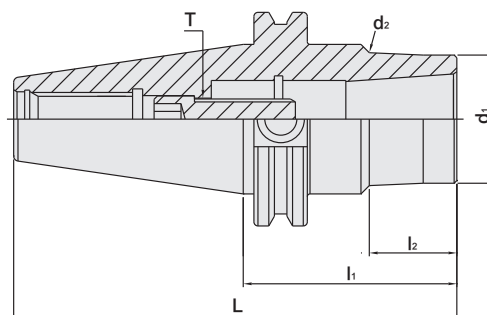


P.W-60~61

P.W-72

CAT / HBL SLIM-FIT COLLET CHUCK

CAT / HBL 後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
23660H	CAT40 x HBL12 - 2.5"	5.187	2.5	0.89	1.25	1.29	M10 x 1.5P	1.65
23662H	CAT40 x HBL12 - 4"	6.687	4	2.46	1.25	1.43	M10 x 1.5P	1.40
23666H	CAT40 x HBL20 - 2.5"	5.187	2.5	1.02	1.5	1.56	M12 x 1.75P	1.40
23668H	CAT40 x HBL20 - 4"	6.687	4	2.59	1.5	1.69	M12 x 1.75P	1.80
23671H	CAT40 x HBL25 - 3.25"	5.937	3.25	1.81	1.75	1.874	M16 x 1.5P	1.60
23671H - 4	CAT40 x HBL25 - 4"	6.687	4	2.529	1.75	1.936	M16 x 1.5P	1.80
23678H	CAT50 x HBL12 - 2.5"	6.5	2.5	1.12	1.25	1.30	M10 x 1.5P	4.20
23680H	CAT50 x HBL12 - 4.5"	8.5	4.5	2.75	1.25	1.46	M10 x 1.5P	4.30
23684H	CAT50 x HBL20 - 2.5"	6.5	2.5	0.93	1.5	1.55	M12 x 1.75P	4.50
23686H	CAT50 x HBL20 - 4.5"	8.5	4.5	2.93	1.5	1.72	M12 x 1.75P	4.80
23690H	CAT50 x HBL25 - 2.75"	6.75	2.75	1.316	1.75	1.831	M16 x 1.5P	4.60
23692H	CAT50 x HBL25 - 4.5"	8.5	4.5	3.066	1.75	1.983	M16 x 1.5P	4.80

МАШСЕРВИС

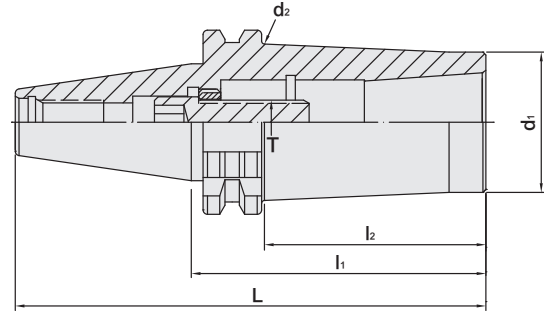
Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Spanner
	
P.W-62	P.W-72

DAT / HBL SLIM-FIT COLLET CHUCK

DAT / HBL 後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
45356H	DAT30 x HBL12 - 70	117.8	70	48.03	31.75	35.23	M10 x 1.5P	0.62
45358H	DAT30 x HBL12 - 100	147.8	100	78.03	31.75	37.70	M10 x 1.5P	0.63
45362H	DAT30 x HBL20 - 80	127.8	80	60.14	38.1	42.48	M12 x 1.75P	0.64
45364H	DAT30 x HBL20 - 100	147.8	100	79.94	38.1	42.95	M12 x 1.75P	0.65
45372H	DAT40 x HBL12 - 70	138.4	70	41.34	31.75	34.49	M10 x 1.5P	1.40
45374H	DAT40 x HBL12 - 100	168.4	100	71.34	31.75	37.11	M10 x 1.5P	1.50
45376H	DAT40 x HBL20 - 70	138.4	70	46.12	38.1	41.25	M12 x 1.75P	1.50
45378H	DAT40 x HBL20 - 100	168.4	100	78.03	38.1	44.04	M12 x 1.75P	1.60
45379H	DAT40 x HBL25 - 80	148.4	80	58.03	44.45	48.6	M16 x 1.5P	1.70
45379H-100	DAT40 x HBL25 - 100	168.4	100	80.1	44.45	49.5	M16 x 1.5P	1.80
45384H	DAT50 x HBL12 - 70	171.75	70	41.34	31.75	34.49	M10 x 1.5P	3.20
45386H	DAT50 x HBL12 - 100	201.75	100	71.34	31.75	37.11	M10 x 1.5P	3.30
45388H	DAT50 x HBL20 - 70	171.75	70	41.34	38.1	40.84	M12 x 1.75P	3.40
45390H	DAT50 x HBL20 - 100	201.75	100	71.34	38.1	43.47	M12 x 1.75P	3.50
45392H	DAT50 x HBL25 - 70	171.75	70	46.1	44.45	47.6	M16 x 1.5P	3.50
45394H	DAT50 x HBL25 - 100	201.75	100	76.1	44.45	50.2	M16 x 1.5P	3.60

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ #30 tool holders are without coolant supply over collars.

Pull Stud

Spanner



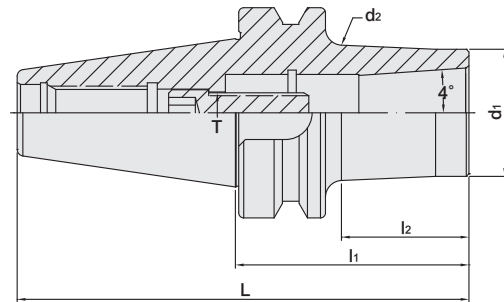
P.W-63

P.W-72

SBT / HBL SLIM-FIT COLLET CHUCK



SBT / HBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
25.275.12.070	SBT30 x HBL12 - 70	118.4	70	47	31.75	34.9	M10 x 1.5P	1.40
25.275.12.100	SBT30 x HBL12 - 100	148.4	100	77	31.75	37.6	M10 x 1.5P	1.65
25.275.20.080	SBT30 x HBL20 - 80	128.4	80	56	38.1	42.1	M12 x 1.75P	1.40
25.275.20.100	SBT30 x HBL20 - 100	148.4	100	76	38.1	43.9	M12 x 1.75P	1.65
26.275.12.070	SBT40 x HBL12 - 70	135.4	70	33	31.75	33.7	M10 x 1.5P	1.70
26.275.12.100	SBT40 x HBL12 - 100	165.4	100	63	31.75	36.4	M10 x 1.5P	1.90
26.275.20.070	SBT40 x HBL20 - 70	135.4	70	38	38.1	40.5	M12 x 1.75P	1.70
26.275.20.100	SBT40 x HBL20 - 100	165.4	100	68	38.1	43.1	M12 x 1.75P	1.90
26.275.25.080	SBT40 x HBL25 - 80	145.4	80	50	44.45	47.9	M16 x 1.5P	1.90
26.275.25.100	SBT40 x HBL25 - 100	165.4	100	70	44.45	49.7	M16 x 1.5P	2.10
27.275.12.100	SBT50 x HBL12 - 70	171.8	70	22	31.75	32.8	M10 x 1.5P	4.40
27.275.12.100	SBT50 x HBL12 - 100	201.8	100	52	31.75	35.4	M10 x 1.5P	4.50
27.275.20.070	SBT50 x HBL20 - 70	171.8	70	22	38.1	39.1	M12 x 1.75P	4.80
27.275.20.100	SBT50 x HBL20 - 100	201.8	100	52	38.1	41.8	M12 x 1.75P	4.90
27.275.25.070	SBT50 x HBL25 - 70	171.8	70	22	44.45	45.5	M16 x 1.5P	5.00
27.275.25.100	SBT50 x HBL25 - 100	201.8	100	54	44.45	48.4	M16 x 1.5P	5.20

Product information:

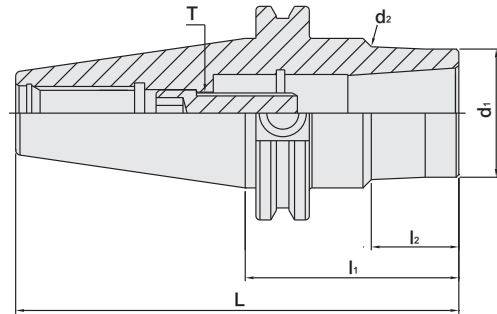
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	Spanner
P.W-60~61	P.W-72

SCAT / HBL SLIM-FIT COLLET CHUCK



SCAT / HBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
43.275.12.250	SCAT40 x HBL12 - 2.5"	5.187	5.187	0.89	1.25	1.29	M10 x 1.5P	1.65
43.275.12.400	SCAT40 x HBL12 - 4"	6.687	6.687	2.46	1.25	1.43	M10 x 1.5P	1.40
43.275.20.250	SCAT40 x HBL20 - 2.5"	5.187	5.187	1.02	1.5	1.56	M12 x 1.75P	1.40
43.275.20.400	SCAT40 x HBL20 - 4"	6.687	6.687	2.59	1.5	1.69	M12 x 1.75P	1.80
43.275.25.325	SCAT40 x HBL25 - 3.25"	5.937	5.937	1.81	1.75	1.874	M16 x 1.5P	1.60
43.275.25.400	SCAT40 x HBL25 - 4"	6.687	6.687	2.529	1.75	1.936	M16 x 1.5P	1.80
44.275.12.250	SCAT50 x HBL12 - 2.5"	6.5	6.5	1.12	1.25	1.30	M10 x 1.5P	4.20
44.275.12.450	SCAT50 x HBL12 - 4.5"	8.5	8.5	2.75	1.25	1.46	M10 x 1.5P	4.30
44.275.20.250	SCAT50 x HBL20 - 2.5"	6.5	6.5	0.93	1.5	1.55	M12 x 1.75P	4.50
44.275.20.450	SCAT50 x HBL20 - 4.5"	8.5	8.5	2.93	1.5	1.72	M12 x 1.75P	4.80
44.275.25.275	SCAT50 x HBL25 - 2.75"	6.75	6.75	1.316	1.75	1.831	M16 x 1.5P	4.60
44.275.25.450	SCAT50 x HBL25 - 4.5"	8.5	8.5	3.066	1.75	1.983	M16 x 1.5P	4.80

МАШСЕРВИС

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud

Spanner



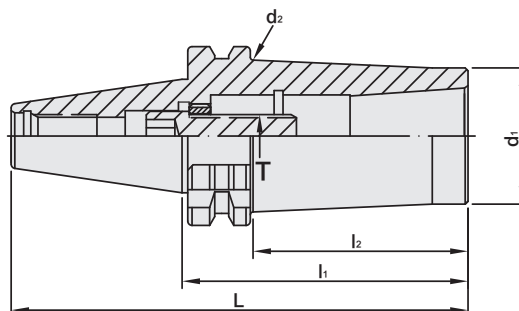
P.W-62

P.W-72

SDAT / HBL SLIM-FIT COLLET CHUCK



SDAT / HBL 法蘭加厚型後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
66.275.12.070	SDAT40 x HBL12 - 70	138.4	70	41.34	31.75	34.49	M10 x 1.5P	1.40
66.275.12.100	SDAT40 x HBL12 - 100	168.4	100	71.34	31.75	37.11	M10 x 1.5P	1.50
66.275.20.070	SDAT40 x HBL20 - 70	138.4	70	46.12	38.1	41.25	M12 x 1.75P	1.50
66.275.20.100	SDAT40 x HBL20 - 100	168.4	100	78.03	38.1	44.04	M12 x 1.75P	1.60
66.275.25.080	SDAT40 x HBL25 - 80	148.4	80	58.03	44.45	48.6	M16 x 1.5P	1.70
66.275.25.100	SDAT40 x HBL25 - 100	168.4	100	80.1	44.45	49.5	M16 x 1.5P	1.80
67.275.12.070	SDAT50 x HBL12 - 70	171.75	70	41.34	31.75	34.49	M10 x 1.5P	3.20
67.275.12.100	SDAT50 x HBL12 - 100	201.75	100	71.34	31.75	37.11	M10 x 1.5P	3.30
67.275.20.070	SDAT50 x HBL20 - 70	171.75	70	41.34	38.1	40.84	M12 x 1.75P	3.40
67.275.20.100	SDAT50 x HBL20 - 100	201.75	100	71.34	38.1	43.47	M12 x 1.75P	3.50
67.275.25.070	SDAT50 x HBL25 - 70	171.75	70	46.1	44.45	47.6	M16 x 1.5P	3.50
67.275.25.100	SDAT50 x HBL25 - 100	201.75	100	76.1	44.45	50.2	M16 x 1.5P	3.60

МАШСЕРВИС

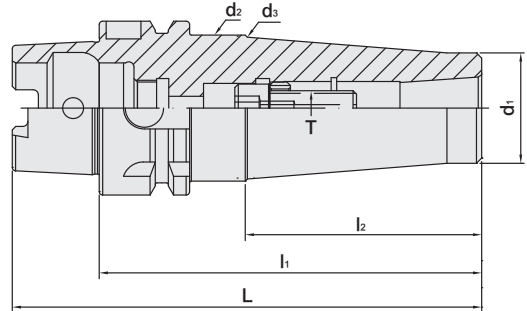
Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Spanner
P.W-63	P.W-72

HSK / HBL SLIM-FIT COLLET CHUCK

HSK / HBL 後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
35456H	HSK50A x HBL12 - 110	135	110	68	31.75	42	40.79	M10 x 1.5P	1.70
35458H	HSK50A x HBL12 - 130	155	130	75.12	31.75	42	-	M10 x 1.5P	2.05
35460H	HSK50A x HBL20 - 120	145	120	54.66	38.1	42	-	M12 x 1.75P	2.00
35462H	HSK50A x HBL20 - 150	175	150	54.45	38.1	42	-	M12 x 1.75P	2.20
35476H	HSK63A x HBL12 - 110	142	110	79.22	31.75	37.79	-	M10 x 1.5P	2.00
35478H	HSK63A x HBL12 - 150	182	150	119.22	31.75	41.29	-	M10 x 1.5P	2.20
35480H	HSK63A x HBL20 - 120	152	120	89.22	38.1	45.02	-	M12 x 1.75P	2.20
35482H	HSK63A x HBL20 - 140	172	140	111.13	38.1	45	-	M12 x 1.75P	2.65
35494H	HSK100A x HBL12 - 120	170	120	79.05	31.75	37.78	-	M10 x 1.5P	2.60
35496H	HSK100A x HBL20 - 135	185	135	89.02	38.1	45	-	M12 x 1.75P	2.94
35498H	HSK100A x HBL25 - 150	200	150	118.13	44.45	53.89	-	M16 x 1.5P	3.00

МАШСЕРВИС

Product information:

- Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

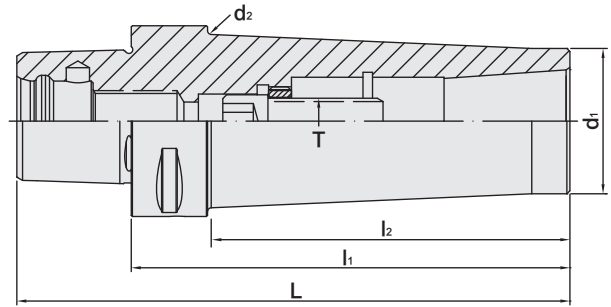
Spanner



P.W-72

PSC / HBL SLIM-FIT COLLET CHUCK

PSC / HBL 後拉式立銑刀夾頭



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
140.275.12.090	PSC32 x HBL12 - 90	109	90	75	31.75	32	M10 x 1.5P	0.55
141.275.12.090	PSC40 x HBL12 - 90	114	90	68.4	31.75	36.85	M10 x 1.5P	0.64
141.275.20.105	PSC40 x HBL20 - 105	129	105	85	38.1	40	M12 x 1.75P	0.82
142.275.12.105	PSC50 x HBL12 - 105	135	105	82.1	31.75	38.04	M10 x 1.5P	0.98
142.275.20.115	PSC50 x HBL20 - 115	145	115	94.04	38.1	45.3	M12 x 1.75P	0.99
142.275.25.120	PSC50 x HBL25 - 120	150	120	100	44.45	50	M16 x 1.5P	1.48
143.275.12.100	PSC63 x HBL12 - 100	138	100	69.9	31.75	36.9	M10 x 1.5P	1.26
143.275.20.120	PSC63 x HBL20 - 120	158	120	91.4	38.1	45.2	M12 x 1.75P	1.47
143.275.25.120	PSC63 x HBL25 - 120	158	120	92.6	44.45	51.6	M16 x 1.5P	1.60

МАШСЕРВИС

Product information:

- Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

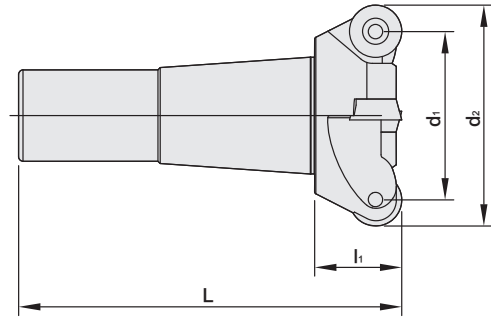
Spanner



P.W-72

HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER

HLB / R 端面緊貼型圓刃刀具



T W PAT NO. M488361
J P PAT NO. 3193771
D E PAT NO. Nr.202014103

W/O Coolant

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	TEETH	INSERT	WEIGHT (KGS)
262.35.86.R12	HLB20 x R12 - 2"	88	20	38.8	50.8	4	RD..1204	0.33
263.35.86.R12	HLB25 x R12 - 2"	98	20	38.8	50.8	4	RD..1204	0.45

Coolant Thru

262.35C.86.R12	HLB20 x RC12 - 2"	88	20	38.8	50.8	4	RD..1204	0.33
263.35C.86.R12	HLB25 x RC12 - 2"	98	20	38.8	50.8	4	RD..1204	0.45

ACCESSORIES

INSERT	SCREW	WRENCH
RD..1204	M4-10-5.7-60	T15

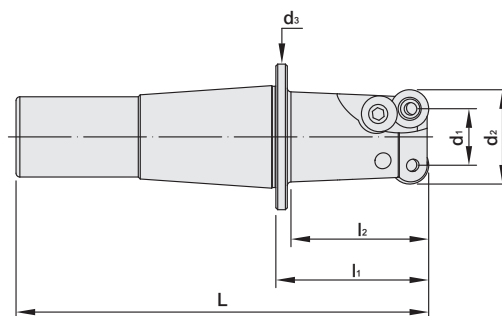
МАШСЕРВИС

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / FR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER

HLB / FR 端面緊貼型圓刃刀具



T W PAT NO. M488361

W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	TEETH	INSERT	WEIGHT (KGS)
262.158.25.040	HLB20 x FR25 - 40	108	40	36	15	25	38.1	2	RP..1003	0.28
262.158.30.040	HLB20 x FR30 - 40	108	40	36	20	30	38.1	2	RP..1003	0.31
262.158.32.040	HLB20 x FR32 - 40	108	40	36	22	32	38.1	3	RP..1003	0.33
262.158.35.040	HLB20 x FR35 - 40	108	40	36	25	35	38.1	3	RP..1003	0.35
263.158.25.040	HLB25 x FR25 - 40	108	40	36	15	25	44.45	2	RP..1003	0.36
263.158.30.040	HLB25 x FR30 - 40	108	40	36	20	30	44.45	2	RP..1003	0.39
263.158.32.040	HLB25 x FR32 - 40	108	40	36	22	32	44.45	3	RP..1003	0.41
263.158.35.040	HLB25 x FR35 - 40	108	40	36	25	35	44.45	3	RP..1003	0.43

Coolant Thru

262.158C.25.040	HLB20 x FRC25 - 40	108	40	36	15	25	38.1	2	RP..1003	0.28
262.158C.30.040	HLB20 x FRC30 - 40	108	40	36	20	30	38.1	2	RP..1003	0.31
262.158C.32.040	HLB20 x FRC32 - 40	108	40	36	22	32	38.1	3	RP..1003	0.33
262.158C.35.040	HLB20 x FRC35 - 40	108	40	36	25	35	38.1	3	RP..1003	0.35
263.158C.25.040	HLB25 x FRC25 - 40	108	40	36	15	25	44.45	2	RP..1003	0.36
263.158C.30.040	HLB25 x FRC30 - 40	108	40	36	20	30	44.45	2	RP..1003	0.39
263.158C.32.040	HLB25 x FRC32 - 40	108	40	36	22	32	44.45	3	RP..1003	0.41
263.158C.35.040	HLB25 x FRC35 - 40	108	40	36	25	35	44.45	3	RP..1003	0.43

ACCESSORIES

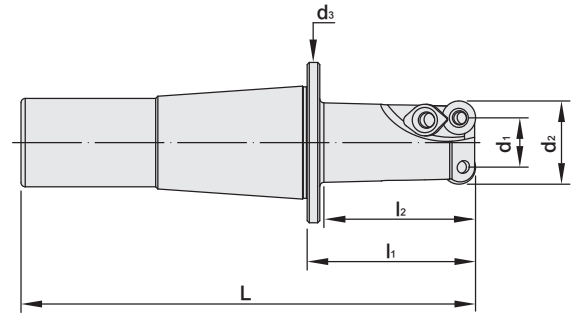
INSERT	SCREW	CLAMP	CLAMP SCREW	WRENCH
RP..1003	M4-10-5.7-60	HR-5R	M5-0.8P	T15

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / GR FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER

HLB / GR 端面緊貼型圓刃刀具



T W PAT NO. M488361

W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	TEETH	INSERT	WEIGHT (KGS)
262.260.25.040	HLB20 x GR25 - 40	108	40	36	15	25	38.1	2	RD..0802	0.28
262.260.30.040	HLB20 x GR30 - 40	108	40	36	20	30	38.1	2	RD..10T3	0.31
262.260.32.040	HLB20 x GR32 - 40	108	40	36	22	32	38.1	3	RD..10T3	0.33
262.260.35.040	HLB20 x GR35 - 40	108	40	36	25	35	38.1	3	RD..10T3	0.35
263.260.25.040	HLB25 x GR25 - 40	108	40	36	15	25	44.45	2	RD..0802	0.36
263.260.30.040	HLB25 x GR30 - 40	108	40	36	20	30	44.45	2	RD..10T3	0.40
263.260.32.040	HLB25 x GR32 - 40	108	40	36	22	32	44.45	3	RD..10T3	0.42
263.260.35.040	HLB25 x GR35 - 40	108	40	36	25	35	44.45	3	RD..10T3	0.44

Coolant Thru

262.260C.25.040	HLB20 x GRC25 - 40	108	40	36	15	25	38.1	2	RD..0802	0.28
262.260C.30.040	HLB20 x GRC30 - 40	108	40	36	20	30	38.1	2	RD..10T3	0.31
262.260C.32.040	HLB20 x GRC32 - 40	108	40	36	22	32	38.1	3	RD..10T3	0.33
262.260C.35.040	HLB20 x GRC35 - 40	108	40	36	25	35	38.1	3	RD..10T3	0.35
263.260C.25.040	HLB25 x GRC25 - 40	108	40	36	15	25	44.45	2	RD..0802	0.36
263.260C.30.040	HLB25 x GRC30 - 40	108	40	36	20	30	44.45	2	RD..10T3	0.40
263.260C.32.040	HLB25 x GRC32 - 40	108	40	36	22	32	44.45	3	RD..10T3	0.42
263.260C.35.040	HLB25 x GRC35 - 40	108	40	36	25	35	44.45	3	RD..10T3	0.44

ACCESSORIES

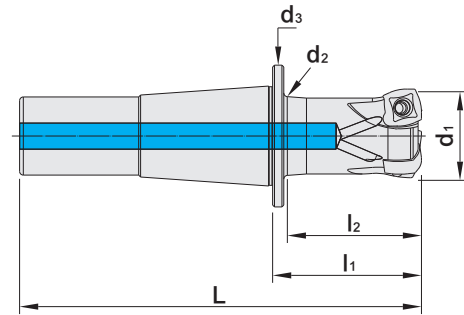
INSERT	SCREW	CLAMP	CLAMP SCREW	WRENCH
RD..0802	M3-6.0-3.7-43	GR-5R	M3.5-8.0-5.5-60	T15
RD..10T3	M4-10-5.0-43	GR-5R	M3.5-8.0-5.5-60	T15

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / HF POWERLOC SQUARE SHANK HIGH-FEED END MILL

HLB / HF 筒夾式大進給端銑刀



T W PAT NO. M488361

MODEL NO.	TYPE	d ₁	d ₂	d ₃	L	l ₁	l ₂	TEETH	INSERT	WEIGHT (KGS)
262.269.25.040	HLB20 x HF25 - 40 - 3T	25	20.918	38.1	107.3	40	35.2	3	SNKX09T3	0.38
262.269.32.040	HLB20 x HF32 - 40 - 3T	32	27.919	38.1	107.3	40	35.2	3	SNKX09T3	0.37
262.270.32.040	HLB20 x HF32 - 40 - 4T	32	27.919	38.1	107.3	40	35.2	4	SNKX09T3	0.37
263.269.25.040	HLB25 x HF25 - 40 - 3T	25	20.918	44.45	117.3	40	35.2	3	SNKX09T3	0.41
263.269.32.040	HLB25 x HF32 - 40 - 3T	32	27.919	44.45	117.3	40	35.2	3	SNKX09T3	0.51
263.270.32.040	HLB25 x HF32 - 40 - 4T	32	27.919	44.45	117.3	40	35.2	4	SNKX09T3	0.51

ACCESSORIES

INSERT	SCREW	WRENCH
SNKX09T3	M3.5-9.3-4.8-60	T5

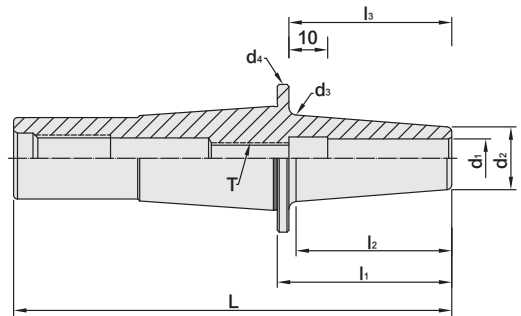
МАШСЕРВИС

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / SFC COLLET TYPE SHRINK FIT CHUCK

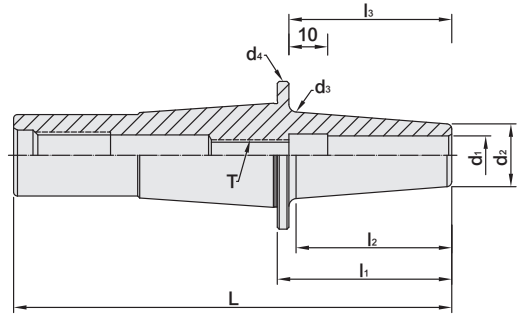
HLB / SFC 筒夾式熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T
261.651.03.045	HLB12 x SFC3 - 45	100	45	40.1	18	3	9	15.3	31.75	-
261.651.03.080	HLB12 x SFC3 - 80	135	80	75.1	18	3	9	20.8	31.75	-
261.651.03.110	HLB12 x SFC3 - 110	165	110	105.1	18	3	9	25.5	31.75	-
261.651.04.045	HLB12 x SFC4 - 45	100	45	40.1	20	4	10	16.3	31.75	-
261.651.04.080	HLB12 x SFC4 - 80	135	80	75.1	20	4	10	21.8	31.75	-
261.651.04.110	HLB12 x SFC4 - 110	165	110	105.1	20	4	10	26.5	31.75	-
261.651.05.045	HLB12 x SFC5 - 45	100	45	40.1	20	5	11	17.3	31.75	M4 x 0.7P
261.651.05.080	HLB12 x SFC5 - 80	135	80	75.1	20	5	11	22.8	31.75	M4 x 0.7P
261.651.05.110	HLB12 x SFC5 - 110	165	110	106	20	5	11	27.6	31.75	M4 x 0.7P
261.651.06.045	HLB12 x SFC6 - 45	100	45	40.1	36	6	12	18.3	31.75	M5 x 0.8P
261.651.06.080	HLB12 x SFC6 - 80	135	80	75.1	36	6	12	23.8	31.75	M5 x 0.8P
261.651.06.110	HLB12 x SFC6 - 110	165	110	106	36	6	12	28.6	31.75	M5 x 0.8P
261.651.08.045	HLB12 x SFC8 - 45	100	45	40.1	36	8	14	20.3	31.75	M6 x 1.0P
261.651.08.080	HLB12 x SFC8 - 80	135	80	76	36	8	14	25.8	31.75	M6 x 1.0P
261.651.08.110	HLB12 x SFC8 - 110	165	110	107	36	8	14	30.8	31.75	M6 x 1.0P
261.651.10.045	HLB12 x SFC10 - 45	100	45	40.1	42	10	16	22.3	31.75	M8 x 1.25P
261.651.10.080	HLB12 x SFC10 - 80	135	80	76	42	10	16	27.9	31.75	M8 x 1.25P
261.651.10.110	HLB12 x SFC10 - 110	165	110	100	42	10	16	31.75	31.75	M8 x 1.25P
262.651.03.045	HLB20 x SFC3 - 45	113	45	40.1	18	3	9	15.3	38.1	-
262.651.03.080	HLB20 x SFC3 - 80	148	80	75.1	18	3	9	20.8	38.1	-
262.651.03.110	HLB20 x SFC3 - 110	178	110	105.1	18	3	9	25.5	38.1	-
262.651.04.045	HLB20 x SFC4 - 45	113	45	40.1	20	4	10	16.3	38.1	-
262.651.04.080	HLB20 x SFC4 - 80	148	80	75.1	20	4	10	21.8	38.1	-
262.651.04.110	HLB20 x SFC4 - 110	178	110	105.1	20	4	10	26.5	38.1	-
262.651.05.045	HLB20 x SFC5 - 45	113	45	40.1	20	5	11	17.3	38.1	M4 x 0.7P
262.651.05.080	HLB20 x SFC5 - 80	148	80	75.1	20	5	11	22.8	38.1	M4 x 0.7P
262.651.05.110	HLB20 x SFC5 - 110	178	110	105.1	20	5	11	27.5	38.1	M4 x 0.7P
262.651.06.045	HLB20 x SFC6 - 45	113	45	40.1	36	6	12	18.3	38.1	M5 x 0.8P
262.651.06.080	HLB20 x SFC6 - 80	148	80	75.1	36	6	12	23.8	38.1	M5 x 0.8P
262.651.06.110	HLB20 x SFC6 - 110	178	110	105.1	36	6	12	28.5	38.1	M5 x 0.8P
262.651.08.045	HLB20 x SFC8 - 45	113	45	40.1	36	8	14	20.3	38.1	M6 x 1.0P
262.651.08.080	HLB20 x SFC8 - 80	148	80	75.1	36	8	14	25.8	38.1	M6 x 1.0P
262.651.08.110	HLB20 x SFC8 - 110	178	110	105.1	36	8	14	30.5	38.1	M6 x 1.0P
262.651.10.045	HLB20 x SFC10 - 45	113	45	40.1	42	10	16	22.3	38.1	M8 x 1.25P
262.651.10.080	HLB20 x SFC10 - 80	148	80	75.1	42	10	16	27.8	38.1	M8 x 1.25P
262.651.10.110	HLB20 x SFC10 - 110	178	110	105.1	42	10	16	32.5	38.1	M8 x 1.25P
262.651.12.045	HLB20 x SFC12 - 45	113	45	40.1	47	12	18	24.3	38.1	M10 x 1.5P
262.651.12.080	HLB20 x SFC12 - 80	148	80	75.1	47	12	18	29.8	38.1	M10 x 1.5P
262.651.12.110	HLB20 x SFC12 - 110	178	110	106	47	12	18	34.6	38.1	M10 x 1.5P

HLB / SFC COLLET TYPE SHRINK FIT CHUCK

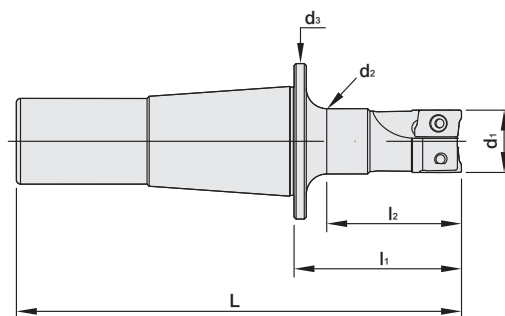
HLB / SFC 筒夾式熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T
263.651.03.045	HLB25 x SFC3 - 45	123	45	40.1	18	3	9	15.3	44.45	-
263.651.03.080	HLB25 x SFC3 - 80	158	80	75.1	18	3	9	20.8	44.45	-
263.651.03.110	HLB25 x SFC3 - 110	188	110	105.1	18	3	9	25.5	44.45	-
263.651.04.045	HLB25 x SFC4 - 45	123	45	40.1	20	4	10	16.3	44.45	-
263.651.04.080	HLB25 x SFC4 - 80	158	80	75.1	20	4	10	21.8	44.45	-
263.651.04.110	HLB25 x SFC4 - 110	188	110	105.1	20	4	10	26.5	44.45	-
263.651.05.045	HLB25 x SFC5 - 45	123	45	40.1	20	5	11	17.3	44.45	M4 x 0.7P
263.651.05.080	HLB25 x SFC5 - 80	158	80	75.1	20	5	11	22.8	44.45	M4 x 0.7P
263.651.05.110	HLB25 x SFC5 - 110	188	110	105.1	20	5	11	27.5	44.45	M4 x 0.7P
263.651.06.045	HLB25 x SFC6 - 45	123	45	40.1	36	6	12	18.3	44.45	M5 x 0.8P
263.651.06.080	HLB25 x SFC6 - 80	158	80	75.1	36	6	12	23.8	44.45	M5 x 0.8P
263.651.06.110	HLB25 x SFC6 - 110	188	110	105.1	36	6	12	28.5	44.45	M5 x 0.8P
263.651.08.045	HLB25 x SFC8 - 45	123	45	40.1	36	8	14	20.3	44.45	M6 x 1.0P
263.651.08.080	HLB25 x SFC8 - 80	158	80	75.1	36	8	14	25.8	44.45	M6 x 1.0P
263.651.08.110	HLB25 x SFC8 - 110	188	110	105.1	36	8	14	30.5	44.45	M6 x 1.0P
263.651.10.045	HLB25 x SFC10 - 45	123	45	40.1	42	10	16	22.3	44.45	M8 x 1.25P
263.651.10.080	HLB25 x SFC10 - 80	158	80	75.1	42	10	16	27.8	44.45	M8 x 1.25P
263.651.10.110	HLB25 x SFC10 - 110	188	110	105.1	42	10	16	32.5	44.45	M8 x 1.25P
263.651.12.045	HLB25 x SFC12 - 45	123	45	40.1	47	12	18	24.3	44.45	M10 x 1.5P
263.651.12.080	HLB25 x SFC12 - 80	158	80	75.1	47	12	18	29.8	44.45	M10 x 1.5P
263.651.12.110	HLB25 x SFC12 - 110	188	110	105.1	47	12	18	34.5	44.45	M10 x 1.5P
263.651.14.045	HLB25 x SFC14 - 45	123	45	40.1	47	14	20	26.3	44.45	M10 x 1.5P
263.651.14.080	HLB25 x SFC14 - 80	158	80	75.1	47	14	20	31.8	44.45	M10 x 1.5P
263.651.14.110	HLB25 x SFC14 - 110	188	110	105.1	47	14	20	36.5	44.45	M10 x 1.5P
263.651.16.050	HLB25 x SFC16 - 50	128	50	45.1	50	16	22	29.1	44.45	M12 x 1.75P
263.651.16.080	HLB25 x SFC16 - 80	158	80	75.1	50	16	22	33.8	44.45	M12 x 1.75P
263.651.16.110	HLB25 x SFC16 - 110	188	110	105.1	50	16	22	38.5	44.45	M12 x 1.75P
263.651.18.050	HLB25 x SFC18 - 50	128	50	45.1	50	18	24	31.1	44.45	M12 x 1.75P
263.651.18.080	HLB25 x SFC18 - 80	158	80	75.1	50	18	24	35.8	44.45	M12 x 1.75P
263.651.18.110	HLB25 x SFC18 - 110	188	110	106	50	18	24	40.6	44.45	M12 x 1.75P
263.651.20.050	HLB25 x SFC20 - 50	128	50	45.1	52	20	26	33.1	44.45	M16 x 2.0P
263.651.20.080	HLB25 x SFC20 - 80	158	80	75.1	52	20	26	37.8	44.45	M16 x 2.0P
263.651.20.110	HLB25 x SFC20 - 110	188	110	106.6	52	20	26	42.7	44.45	M16 x 2.0P

HLB / MAP FACE CONTACT TYPE 90° END MILL CUTTER

HLB / MAP 端面緊貼型 90° 刀具



T W PAT NO. M488361

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	TEETH	INSERT	WEIGHT (KGS)
261.467.10.040	HLB12 x MAP10 - 40 - 1T	95	40	32	10	12	31.75	1	AP..1135	0.10
261.467.12.040	HLB12 x MAP12 - 40 - 1T	95	40	32	12	11	31.75	1	AP..1135	0.11
261.468.16.040	HLB12 x MAP16 - 40 - 2T	95	40	34	16	16	31.75	2	AP..1135	0.13
262.467.10.040	HLB20 x MAP10 - 40 - 1T	108	40	32	10	12	38.1	1	AP..1135	0.22
262.467.12.040	HLB20 x MAP12 - 40 - 1T	108	40	32	12	11	38.1	1	AP..1135	0.23
262.468.16.040	HLB20 x MAP16 - 40 - 2T	108	40	34	16	16	38.1	2	AP..1135	0.25
262.468.20.040	HLB20 x MAP20 - 40 - 2T	108	40	34	20	16.8	38.1	2	AP..1135	0.28
262.469.25.040	HLB20 x MAP25 - 40 - 3T	108	40	34	25	23.5	38.1	3	AP..1135	0.32
262.470.25.040	HLB20 x MAP25 - 40 - 4T	108	40	34	25	23.5	38.1	4	AP..1135	0.32
262.468.32.040	HLB20 x MAP32 - 40 - 2T	108	40	35	32	31.45	38.1	2	AP..1604	0.38
262.469.32.040	HLB20 x MAP32 - 40 - 3T	108	40	35	32	31.45	38.1	3	AP..1604	0.41
263.467.10.040	HLB25 x MAP10 - 40 - 1T	118	40	32	10	12	44.45	1	AP..1135	0.31
263.467.12.040	HLB25 x MAP12 - 40 - 1T	118	40	32	12	11	44.45	1	AP..1135	0.31
263.468.16.040	HLB25 x MAP16 - 40 - 2T	118	40	34	16	16	44.45	2	AP..1135	0.33
263.468.20.040	HLB25 x MAP20 - 40 - 2T	118	40	34	20	16.8	44.45	2	AP..1135	0.36
263.469.25.040	HLB25 x MAP25 - 40 - 3T	118	40	34	25	23.5	44.45	3	AP..1135	0.40
263.470.25.040	HLB25 x MAP25 - 40 - 4T	118	40	34	25	23.5	44.45	4	AP..1135	0.40
263.468.32.040	HLB25 x MAP32 - 40 - 2T	118	40	34	32	31.45	44.45	2	AP..1604	0.46
263.469.32.040	HLB25 x MAP32 - 40 - 3T	118	40	34	32	31.45	44.45	3	AP..1604	0.49

ACCESSORIES

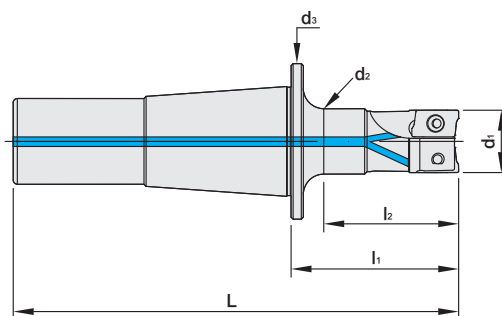
INSERT	SCREW	WRENCH
AP..1135	M2.5-6.45-3.7-60	T8
AP..1604	M4-10-5.7-60	T15

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / CMAP FACE CONTACT TYPE 90° END MILL CUTTER

HLB / CMAP 端面緊貼型 90° 刀具



T W PAT NO. M488361

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	TEETH	INSERT	WEIGHT (KGS)
261.467C.10.040	HLB12 x CMAP10 - 40 - 1T	95	40	32	10	12	31.75	1	AP..1135	0.10
261.467C.12.040	HLB12 x CMAP12 - 40 - 1T	95	40	32	12	11	31.75	1	AP..1135	0.11
261.468C.16.040	HLB12 x CMAP16 - 40 - 2T	95	40	34	16	16	31.75	2	AP..1135	0.13
262.467C.10.040	HLB20 x CMAP10 - 40 - 1T	108	40	32	10	12	38.1	1	AP..1135	0.22
262.467C.12.040	HLB20 x CMAP12 - 40 - 1T	108	40	32	12	11	38.1	1	AP..1135	0.23
262.468C.16.040	HLB20 x CMAP16 - 40 - 2T	108	40	34	16	16	38.1	2	AP..1135	0.25
262.468C.20.040	HLB20 x CMAP20 - 40 - 2T	108	40	34	20	16.8	38.1	2	AP..1135	0.28
262.469C.25.040	HLB20 x CMAP25 - 40 - 3T	108	40	34	25	23.5	38.1	3	AP..1135	0.32
262.470C.25.040	HLB20 x CMAP25 - 40 - 4T	108	40	34	25	23.5	38.1	4	AP..1135	0.32
262.468C.32.040	HLB20 x CMAP32 - 40 - 2T	108	40	35	32	31.45	38.1	2	AP..1604	0.41
262.469C.32.040	HLB20 x CMAP32 - 40 - 3T	108	40	35	32	31.45	38.1	3	AP..1604	0.41
263.467C.10.040	HLB25 x CMAP10 - 40 - 1T	118	40	32	10	12	44.45	1	AP..1135	0.31
263.467C.12.040	HLB25 x CMAP12 - 40 - 1T	118	40	32	12	11	44.45	1	AP..1135	0.32
263.468C.16.040	HLB25 x CMAP16 - 40 - 2T	118	40	34	16	16	44.45	2	AP..1135	0.34
263.468C.20.040	HLB25 x CMAP20 - 40 - 2T	118	40	34	20	16.8	44.45	2	AP..1135	0.36
263.469C.25.040	HLB25 x CMAP25 - 40 - 3T	118	40	34	25	23.5	44.45	3	AP..1135	0.41
263.470C.25.040	HLB25 x CMAP25 - 40 - 4T	118	40	34	25	23.5	44.45	4	AP..1135	0.41
263.468C.32.040	HLB25 x CMAP32 - 40 - 2T	118	40	34	32	31.45	44.45	2	AP..1604	0.50
263.469C.32.040	HLB25 x CMAP32 - 40 - 3T	118	40	34	32	31.45	44.45	3	AP..1604	0.50

ACCESSORIES

INSERT	SCREW	WRENCH
AP..1135	M2.5-6.45-3.7-60	T8
AP..1604	M4-10-5.7-60	T15

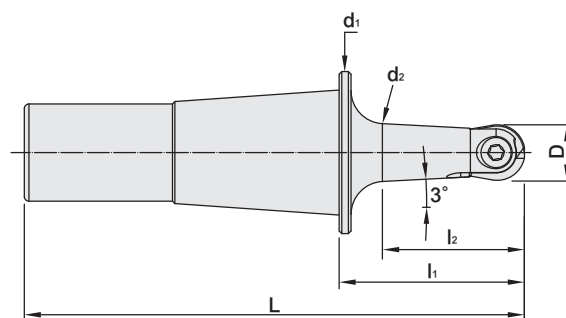
Product information:

► Inserts are optional accessories. Need to be purchased additionally.

HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER

3°

HLB / BFC 端面緊貼型圓鼻刀具



T W PAT NO. M488361

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	INSERT	WEIGHT (KGS)
261.35.R4.040	HLB12 x BFC4 - 40	95	40	29.4	8	31.75	9.7	P3204-D08	0.10
261.35.R5.040	HLB12 x BFC5 - 40	95	40	29.4	10	31.75	11.6	P3204-D10	0.10
261.35.R6.040	HLB12 x BFC6 - 40	95	40	29.6	12	31.75	12.3	P3204-D12	0.11
261.35.R8.040	HLB12 x BFC8 - 40	95	40	29.4	16	31.75	16.4	P3204-D16	0.13
261.35.R10.040	HLB12 x BFC10 - 40	95	40	32.3	20	31.75	20.4	P3204-D20	0.15
261.35.R12.5.040	HLB12 x BFC12.5 - 40	95	40	36	25	31.75	25.6	P3204-D25	0.18
262.35.R4.040	HLB20 x BFC4 - 40	108	40	29.4	8	38.1	9.7	P3204-D08	0.22
262.35.R5.040	HLB20 x BFC5 - 40	108	40	29.4	10	38.1	11.6	P3204-D10	0.23
262.35.R6.040	HLB20 x BFC6 - 40	108	40	29.6	12	38.1	12.3	P3204-D12	0.24
262.35.R8.040	HLB20 x BFC8 - 40	108	40	29.4	16	38.1	16.4	P3204-D16	0.25
262.35.R10.040	HLB20 x BFC10 - 40	108	40	32.3	20	38.1	20.4	P3204-D20	0.27
262.35.R12.5.040	HLB20 x BFC12.5 - 40	108	40	32.3	25	38.1	25.2	P3204-D25	0.30
263.35.R4.040	HLB25 x BFC4 - 40	118	40	29.5	8	44.45	9.0	P3204-D08	0.31
263.35.R5.040	HLB25 x BFC5 - 40	118	40	29.5	10	44.45	10.7	P3204-D10	0.32
263.35.R6.040	HLB25 x BFC6 - 40	118	40	29	12	44.45	12.3	P3204-D12	0.33
263.35.R8.040	HLB25 x BFC8 - 40	118	40	29.5	16	44.45	15.3	P3204-D16	0.34
263.35.R10.040	HLB25 x BFC10 - 40	118	40	32.3	20	44.45	18.9	P3204-D20	0.36
263.35.R12.5.040	HLB25 x BFC12.5 - 40	118	40	32.3	25	44.45	23.5	P3204-D25	0.39

ACCESSORIES

INSERT	SCREW	WRENCH
P3204-D08	BFC-4R	T8
P3204-D10	BFC-5R	T15
P3204-D12	BFC-6R	T20
P3204-D16	BFC-8R	T20
P3204-D20	BFC-10R	T20
P3204-D25	BFC-12.5R	T30

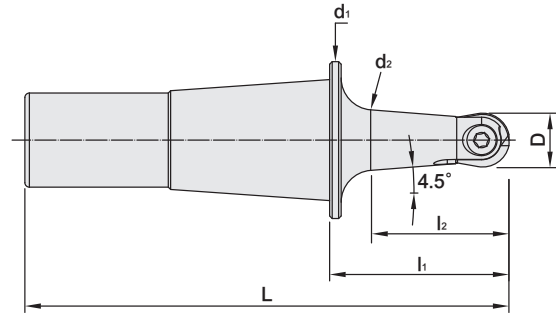
Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB FACE CONTACT TYPE BALL NOSE FINISH END MILL CUTTER

4.5°

HLB / BFC 端面緊貼型圓鼻刀具



T W PAT NO. M488361

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	INSERT	WEIGHT (KGS)
261.35.R4.040D	HLB12 x BFC4 - 40D	95	40	29.4	8	31.75	11.1	P3204-D08	0.10
261.35.R5.040D	HLB12 x BFC5 - 40D	95	40	29.6	10	31.75	12.9	P3204-D10	0.10
261.35.R6.040D	HLB12 x BFC6 - 40D	95	40	29.6	12	31.75	13.3	P3204-D12	0.12
261.35.R8.040D	HLB12 x BFC8 - 40D	95	40	29.6	16	31.75	17.5	P3204-D16	0.14
261.35.R10.040D	HLB12 x BFC10 - 40D	95	40	32.4	20	31.75	21.7	P3204-D20	0.16
261.35.R12.5.040D	HLB12 x BFC12.5 - 40D	95	40	36.8	25	31.75	26.9	P3204-D25	0.19
262.35.R4.040D	HLB20 x BFC4 - 40D	108	40	29.4	8	38.1	11.1	P3204-D08	0.23
262.35.R5.040D	HLB20 x BFC5 - 40D	108	40	29.6	10	38.1	12.9	P3204-D10	0.24
262.35.R6.040D	HLB20 x BFC6 - 40D	108	40	29.6	12	38.1	13.3	P3204-D12	0.25
262.35.R8.040D	HLB20 x BFC8 - 40D	108	40	29.6	16	38.1	17.5	P3204-D16	0.27
262.35.R10.040D	HLB20 x BFC10 - 40D	108	40	32.4	20	38.1	21.7	P3204-D20	0.30
262.35.R12.5.040D	HLB20 x BFC12.5 - 40D	108	40	32.4	25	38.1	26.3	P3204-D25	0.34
263.35.R4.040D	HLB25 x BFC4 - 40D	118	40	29.5	8	44.45	10.0	P3204-D08	0.31
263.35.R5.040D	HLB25 x BFC5 - 40D	118	40	29	10	44.45	11.8	P3204-D10	0.32
263.35.R6.040D	HLB25 x BFC6 - 40D	118	40	29.6	12	44.45	13.3	P3204-D12	0.33
263.35.R8.040D	HLB25 x BFC8 - 40D	118	40	29.6	16	44.45	16.1	P3204-D16	0.35
263.35.R10.040D	HLB25 x BFC10 - 40D	118	40	32.4	20	44.45	19.5	P3204-D20	0.38
263.35.R12.5.040D	HLB25 x BFC12.5 - 40D	118	40	32.4	25	44.45	23.9	P3204-D25	0.42

ACCESSORIES

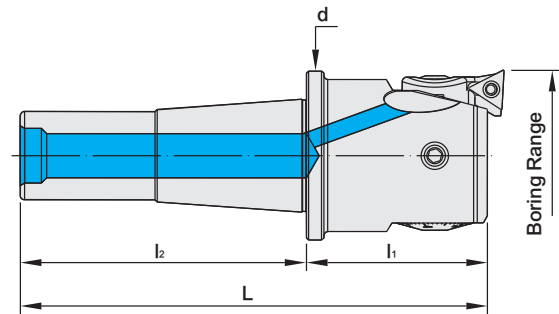
INSERT	SCREW	WRENCH
P3204-D08	BFC-4R	T8
P3204-D10	BFC-5R	T15
P3204-D12	BFC-6R	T20
P3204-D16	BFC-8R	T20
P3204-D20	BFC-10R	T20
P3204-D25	BFC-12.5R	T30

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / PMB FACE CONTACT TYPE FINISH BORING HEAD

HLB / PMB 端面緊貼型精搪頭



T W PAT NO. M488361

MODEL NO.	TYPE	INSERT SEAT	INSERT	BORING RANGE	L	l ₁	l ₂	d	WEIGHT (KGS)
262.657.25.068	HLB20 x PMB25 - 68	SIC25 - 1	TB..06 TP..08	25 ~ 33	138	70	68	38.1	0.39
		SIC25 - 2	TB..06 TP..08	32 ~ 40	138	70	68	38.1	0.39
		SIC25 - 3	TB..06 TP..08	39 ~ 47	138	70	68	38.1	0.39
262.657.32.084	HLB20 x PMB32 - 84	SIC32 - 1	TB..06 TP..08	32 ~ 42	151	83	84	38.1	0.59
		SIC32 - 2	TB..06 TP..08	41 ~ 51	151	83	84	38.1	0.59
		SIC32 - 3	TB..06 TP..08	50 ~ 60	151	83	84	38.1	0.59
262.657.41.090	HLB20 x PMB41 - 90	SIC41 - 1	TP..09 TC..11	41 ~ 54	157	89	90	38.1	0.85
		SIC41 - 2	TP..09 TC..11	50 ~ 63	157	89	90	38.1	0.85
		SIC41 - 3	TP..09 TC..11	61 ~ 74	157	89	90	38.1	0.85
263.657.25.068	HLB25 x PMB25 - 68	SIC25 - 1	TB..06 TP..08	25 ~ 33	148	70	68	44.45	0.48
		SIC25 - 2	TB..06 TP..08	32 ~ 40	148	70	68	44.45	0.48
		SIC25 - 3	TB..06 TP..08	39 ~ 47	148	70	68	44.45	0.48
263.657.32.084	HLB25 x PMB32 - 84	SIC32 - 1	TB..06 TP..08	32 ~ 42	161	83	84	44.45	0.67
		SIC32 - 2	TB..06 TP..08	41 ~ 51	161	83	84	44.45	0.67
		SIC32 - 3	TB..06 TP..08	50 ~ 60	161	83	84	44.45	0.67
263.657.41.090	HLB25 x PMB41 - 90	SIC41 - 1	TP..09 TC..11	41 ~ 54	168	90	90	44.45	0.93
		SIC41 - 2	TP..09 TC..11	50 ~ 63	168	90	90	44.45	0.93
		SIC41 - 3	TP..09 TC..11	61 ~ 74	168	90	90	44.45	0.93

TYPES FOR INSERT SEAT

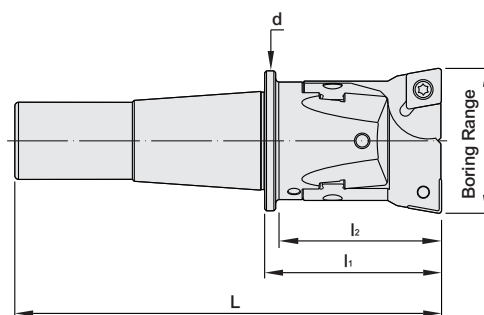
TYPE	DRAWING	SUITABLE FINISH BORING HEAD	TYPE	DRAWING	SUITABLE FINISH BORING HEAD	STANDARD INSERT SEAT	OPTIONAL INSERT SEAT		
SIC32 - 1		PMB32	SIC32 - 1E		PMB32	SIC32 - 1	SIC32 - 2	SIC32 - 3	
SIC32 - 2		PMB32	SIC32 - 2E		PMB32	$\phi 32 \sim \phi 42$	$\phi 41 \sim \phi 51$	$\phi 50 \sim \phi 60$	
SIC32 - 3		PMB32	SIC32 - 3E		PMB32				
SIC41 - 1		PMB41	SIC41 - 1E		PMB41				
SIC41 - 2		PMB41	SIC41 - 2E		PMB41				
SIC41 - 3		PMB41	SIC41 - 3E		PMB41				
SIC53 - 1		PMB53	SIC53 - 1E		PMB53				
SIC53 - 2		PMB53	SIC53 - 2E		PMB53				
SIC53 - 3		PMB53	SIC53 - 3E		PMB53				
SIC68 - 1		PMB68	SIC68 - 1E		PMB68				
SIC68 - 2		PMB68	SIC68 - 2E		PMB68				
SIC68 - 3		PMB68	SIC68 - 3E		PMB68				

Product information:

- ▶ The body of PMB Finish Boring Head is always designed to have coolant outlet.
- ▶ There are 3 types of insert seats and the boring range of insert seat can be enlarged by exchanging another insert seat.
- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / PCK FACE CONTACT TYPE ROUGH BORING HEAD

HLB / PCK 端面緊貼型粗搪頭



T W PAT NO. M488361

MODEL NO.	TYPE	BORING RANGE		L	l ₁	l ₂	d	INSERT	WEIGHT (KGS)
		MIN.	MAX.						
262.650.24.068	HLB20 x PCK2430 - 68	24	30	141	73	68	38.1	CC..0602	0.34
262.650.29.084	HLB20 x PCK2940 - 84	29	40	157	89	84	38.1	CC..09T3	0.47
262.650.39.090	HLB20 x PCK3950 - 90	39	50	163	95	90	38.1	CC..09T3	0.51
263.650.24.068	HLB25 x PCK2430 - 68	24	30	151	73	68	44.45	CC..0602	0.43
263.650.29.084	HLB25 x PCK2940 - 84	29	40	167	89	84	44.45	CC..09T3	0.56
263.650.39.090	HLB25 x PCK3950 - 90	39	50	173	95	90	44.45	CC..09T3	0.59
263.650.49.090	HLB25 x PCK4965 - 90	49	65	171.5	93.5	90	44.45	CC..1204	0.62

ACCESSORIES

INSERT	SCREW	WRENCH
CC..0602	M2.5-6.45-3.7	T8
CC..09T3	M4-10-5.7-4.3	T15
CC..1204	M5-11-7.5-60	T20

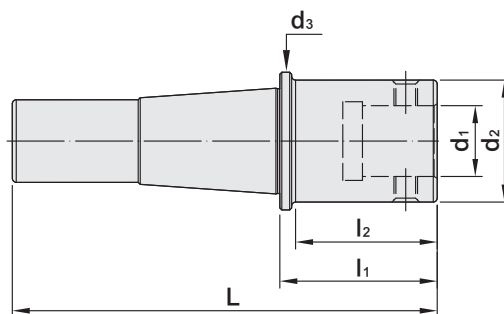
МАШСЕРВИС

Product information:

- ▶ Inserts are optional accessories. Need to be purchased additionally.

HLB / MCK FACE CONTACT TYPE BORING HEAD SHANK

HLB / MCK 端面緊貼型搪孔夾頭柄



T W PAT NO. M488361

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
262.487.01.040	HLB20 x MCK1 - 40	108	40	34	11	19	38.1	M4 x 0.5P	0.26
262.487.02.040	HLB20 x MCK2 - 40	108	40	34	14	23.5	38.1	M5 x 0.5P	0.30
262.487.03.040	HLB20 x MCK3 - 40	108	40	30	18	31	38.1	M6 x 0.75P	0.36
263.487.01.040	HLB25 x MCK1 - 40	118	40	34	11	19	44.45	M4 x 0.5P	0.34
263.487.02.040	HLB25 x MCK2 - 40	118	40	34	14	23.5	44.45	M5 x 0.5P	0.38
263.487.03.040	HLB25 x MCK3 - 40	118	40	30	18	31	44.45	M6 x 0.75P	0.44

МАШСЕРВИС

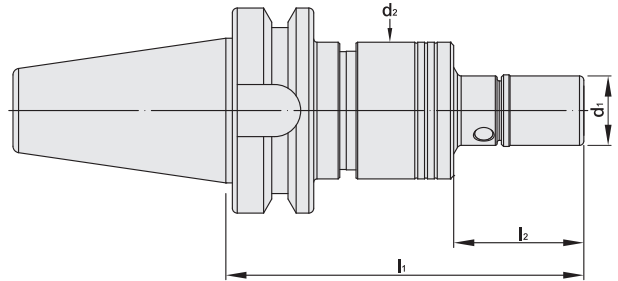
STA CATEGORY

BT / STA SYNCHRONIZED TAPPING HOLDER	Q-2~5
CAT / STA SYNCHRONIZED TAPPING HOLDER	Q-6~8
DAT / STA SYNCHRONIZED TAPPING HOLDER	Q-9~11
SBT / STA SYNCHRONIZED TAPPING HOLDER	Q-12~15
SCAT / STA SYNCHRONIZED TAPPING HOLDER	Q-16~18
SDAT / STA SYNCHRONIZED TAPPING HOLDER	Q-19~21
HSK / STA SYNCHRONIZED TAPPING HOLDER	Q-22~25
PSC / STA SYNCHRONIZED TAPPING HOLDER	Q-26~29
STRAIGHT SHANK STA SYNCHRONIZED TAPPING HOLDER	Q-30~33
STA SYNCHRONIZED TAPPING HOLDER BODY	Q-34~36
TAP ADAPTER FOR STA	Q-37~39

BT / STA SYNCHRONIZED TAPPING HOLDER



BT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
10.795.08T.090	BT30 x STA8T - 90	90	30	12	42	BT30 x STA1	STA1 - PTER8 - 30	0.68
10.795.08T.130	BT30 x STA8T - 130	130	70	12	42	BT30 x STA1	STA1 - PTER8 - 70	0.74
10.795.08T.160	BT30 x STA8T - 160	160	100	12	42	BT30 x STA1	STA1 - PTER8 - 100	0.79
10.795.11T.090	BT30 x STA11T - 90	90	30	16	42	BT30 x STA1	STA1 - PTER11 - 30	1.13
10.795.11T.130	BT30 x STA11T - 130	130	70	16	42	BT30 x STA1	STA1 - PTER11 - 70	1.19
10.795.11T.160	BT30 x STA11T - 160	160	100	16	42	BT30 x STA1	STA1 - PTER11 - 100	1.23
10.795.16T.090	BT30 x STA16T - 90	90	30	22	42	BT30 x STA1	STA1 - PTER16 - 30	1.14
10.795.16T.130	BT30 x STA16T - 130	130	70	22	42	BT30 x STA1	STA1 - PTER16 - 70	1.20
10.795.16T.160	BT30 x STA16T - 160	160	100	22	42	BT30 x STA1	STA1 - PTER16 - 100	1.24
10.795.20T.090	BT30 x STA20T - 90	90	30	28	42	BT30 x STA1	STA1 - PTER20 - 30	1.11
10.795.20T.130	BT30 x STA20T - 130	130	70	28	42	BT30 x STA1	STA1 - PTER20 - 70	1.38
10.795.20T.160	BT30 x STA20T - 160	160	100	28	42	BT30 x STA1	STA1 - PTER20 - 100	1.54
11.795.08T.100	BT40 x STA8T - 100	100	30	12	42	BT40 x STA1	STA1 - PTER8 - 30	1.30
11.795.08T.140	BT40 x STA8T - 140	140	70	12	42	BT40 x STA1	STA1 - PTER8 - 70	1.36
11.795.08T.170	BT40 x STA8T - 170	170	100	12	42	BT40 x STA1	STA1 - PTER8 - 100	1.41
11.795.11T.100	BT40 x STA11T - 100	100	30	16	42	BT40 x STA1	STA1 - PTER11 - 30	1.75
11.795.11T.140	BT40 x STA11T - 140	140	70	16	42	BT40 x STA1	STA1 - PTER11 - 70	1.81
11.795.11T.170	BT40 x STA11T - 170	170	100	16	42	BT40 x STA1	STA1 - PTER11 - 100	1.85
11.795.16T.100	BT40 x STA16T - 100	100	30	22	42	BT40 x STA1	STA1 - PTER16 - 30	1.76
11.795.16T.140	BT40 x STA16T - 140	140	70	22	42	BT40 x STA1	STA1 - PTER16 - 70	1.82
11.795.16T.170	BT40 x STA16T - 170	170	100	22	42	BT40 x STA1	STA1 - PTER16 - 100	1.86
11.795.20T.100	BT40 x STA20T - 100	100	30	28	42	BT40 x STA1	STA1 - PTER20 - 30	1.73
11.795.20T.140	BT40 x STA20T - 140	140	70	28	42	BT40 x STA1	STA1 - PTER20 - 70	2.00
11.795.20T.170	BT40 x STA20T - 170	170	100	28	42	BT40 x STA1	STA1 - PTER20 - 100	2.16
11.795.25T.115	BT40 x STA25T - 115	115	30	35	58	BT40 x STA2	STA2 - PTER25 - 30	2.03
11.795.25T.155	BT40 x STA25T - 155	155	70	35	58	BT40 x STA2	STA2 - PTER25 - 70	2.30
11.795.25T.185	BT40 x STA25T - 185	185	100	35	58	BT40 x STA2	STA2 - PTER25 - 100	2.46

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

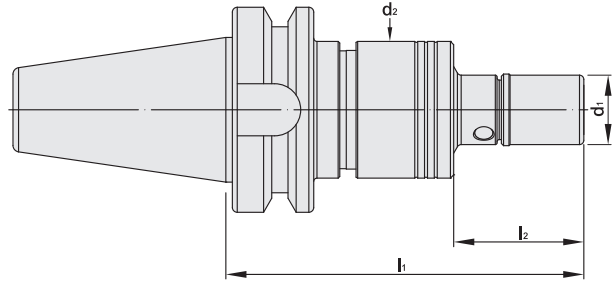
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-68~73



BT / STA SYNCHRONIZED TAPPING HOLDER



BT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
12.795.08T.090	BT50 x STA8T - 90	90	30	12	42	BT50 x STA1	STA1 - PTER8 - 30	3.80
12.795.08T.130	BT50 x STA8T - 130	130	70	12	42	BT50 x STA1	STA1 - PTER8 - 70	3.86
12.795.08T.160	BT50 x STA8T - 160	160	100	12	42	BT50 x STA1	STA1 - PTER8 - 100	3.91
12.795.11T.090	BT50 x STA11T - 90	90	30	16	42	BT50 x STA1	STA1 - PTER11 - 30	4.25
12.795.11T.130	BT50 x STA11T - 130	130	70	16	42	BT50 x STA1	STA1 - PTER11 - 70	4.31
12.795.11T.160	BT50 x STA11T - 160	160	100	16	42	BT50 x STA1	STA1 - PTER11 - 100	4.35
12.795.16T.090	BT50 x STA16T - 90	90	30	22	42	BT50 x STA1	STA1 - PTER16 - 30	4.26
12.795.16T.130	BT50 x STA16T - 130	130	70	22	42	BT50 x STA1	STA1 - PTER16 - 70	4.32
12.795.16T.160	BT50 x STA16T - 160	160	100	22	42	BT50 x STA1	STA1 - PTER16 - 100	4.36
12.795.20T.090	BT50 x STA20T - 90	90	30	28	42	BT50 x STA1	STA1 - PTER20 - 30	4.23
12.795.20T.130	BT50 x STA20T - 130	130	70	28	42	BT50 x STA1	STA1 - PTER20 - 70	4.50
12.795.20T.160	BT50 x STA20T - 160	160	100	28	42	BT50 x STA1	STA1 - PTER20 - 100	4.66
12.795.25T.125	BT50 x STA25T - 125	125	30	35	58	BT50 x STA2	STA2 - PTER25 - 30	4.53
12.795.25T.165	BT50 x STA25T - 165	165	70	35	58	BT50 x STA2	STA2 - PTER25 - 70	4.80
12.795.25T.195	BT50 x STA25T - 195	195	100	35	58	BT50 x STA2	STA2 - PTER25 - 100	4.96

Product information:

▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

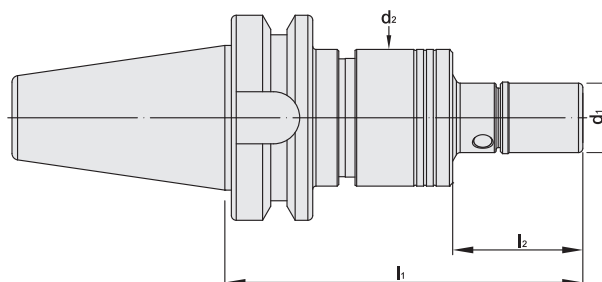
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-68~73



BT / STA SYNCHRONIZED TAPPING HOLDER



BT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
10.795.16U.090	BT30 x STA16U - 90	90	30	30	42	BT30 x STA1	STA1 - UT16 - 30	0.71
10.795.16U.130	BT30 x STA16U - 130	130	70	30	42	BT30 x STA1	STA1 - UT16 - 70	0.86
10.795.16U.160	BT30 x STA16U - 160	160	100	30	42	BT30 x STA1	STA1 - UT16 - 100	1.06
11.795.16U.100	BT40 x STA16U - 100	100	30	30	42	BT40 x STA1	STA1 - UT16 - 30	1.33
11.795.16U.140	BT40 x STA16U - 140	140	70	30	42	BT40 x STA1	STA1 - UT16 - 70	1.48
11.795.16U.170	BT40 x STA16U - 170	170	100	30	42	BT40 x STA1	STA1 - UT16 - 100	1.68
11.795.20U.115	BT40 x STA20U - 115	115	30	36	58	BT40 x STA2	STA2 - UT20 - 30	1.78
11.795.20U.155	BT40 x STA20U - 155	155	70	36	58	BT40 x STA2	STA2 - UT20 - 70	1.98
11.795.20U.185	BT40 x STA20U - 185	185	100	36	58	BT40 x STA2	STA2 - UT20 - 100	2.11
11.795.25U.120	BT40 x STA25U - 120	120	35	42	58	BT40 x STA2	STA2 - UT25 - 35	1.78
11.795.25U.170	BT40 x STA25U - 170	170	85	42	58	BT40 x STA2	STA2 - UT25 - 85	2.13
11.795.25U.200	BT40 x STA25U - 200	200	115	42	58	BT40 x STA2	STA2 - UT25 - 115	2.38
11.795.32U.135	BT40 x STA32U - 135	135	50	48	58	BT40 x STA2	STA2 - UT32 - 50	1.83
11.795.32U.170	BT40 x STA32U - 170	170	85	48	58	BT40 x STA2	STA2 - UT32 - 85	2.08
11.795.32U.200	BT40 x STA32U - 200	200	115	48	58	BT40 x STA2	STA2 - UT32 - 115	2.28
12.795.16U.090	BT50 x STA16U - 90	90	30	30	42	BT50 x STA1	STA1 - UT16 - 30	3.83
12.795.16U.130	BT50 x STA16U - 130	130	70	30	42	BT50 x STA1	STA1 - UT16 - 70	3.98
12.795.16U.160	BT50 x STA16U - 160	160	100	30	42	BT50 x STA1	STA1 - UT16 - 100	4.18
12.795.20U.125	BT50 x STA20U - 125	125	30	36	58	BT50 x STA2	STA2 - UT20 - 30	4.28
12.795.20U.165	BT50 x STA20U - 165	165	70	36	58	BT50 x STA2	STA2 - UT20 - 70	4.48
12.795.20U.195	BT50 x STA20U - 195	195	100	36	58	BT50 x STA2	STA2 - UT20 - 100	4.61
12.795.25U.130	BT50 x STA25U - 130	130	35	42	58	BT50 x STA2	STA2 - UT25 - 35	4.28
12.795.25U.180	BT50 x STA25U - 180	180	85	42	58	BT50 x STA2	STA2 - UT25 - 85	4.63
12.795.25U.210	BT50 x STA25U - 210	210	115	42	58	BT50 x STA2	STA2 - UT25 - 115	4.88
12.795.32U.145	BT50 x STA32U - 145	145	50	48	58	BT50 x STA2	STA2 - UT32 - 50	4.33
12.795.32U.180	BT50 x STA32U - 180	180	85	48	58	BT50 x STA2	STA2 - UT32 - 85	4.58
12.795.32U.210	BT50 x STA32U - 210	210	115	48	58	BT50 x STA2	STA2 - UT32 - 115	4.78

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

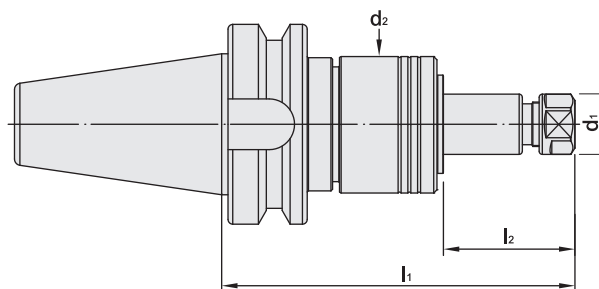
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-68~73

BT / STA SYNCHRONIZED TAPPING HOLDER



BT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
10.795.11E.130	BT30 x STA11E - 130	130	70	19	42	BT30 x STA1	STA1 - ER11A - 70	0.92
10.795.16E.085	BT30 x STA16E - 85	85	25	28	42	BT30 x STA1	STA1 - ER16A - 25	0.66
10.795.16E.130	BT30 x STA16E - 130	130	70	28	42	BT30 x STA1	STA1 - ER16A - 70	0.86
10.795.16E.210	BT30 x STA16E - 210	210	150	28	42	BT30 x STA1	STA1 - ER16A - 150	1.19
10.795.20E.094	BT30 x STA20E - 94	94	34	34	42	BT30 x STA1	STA1 - ER20A - 34	0.70
10.795.20E.130	BT30 x STA20E - 130	130	70	34	42	BT30 x STA1	STA1 - ER20A - 70	0.86
11.795.11E.140	BT40 x STA11E - 140	140	70	19	42	BT40 x STA1	STA1 - ER11A - 70	1.54
11.795.16E.095	BT40 x STA16E - 95	95	25	28	42	BT40 x STA1	STA1 - ER16A - 25	1.28
11.795.16E.140	BT40 x STA16E - 140	140	70	28	42	BT40 x STA1	STA1 - ER16A - 70	1.48
11.795.16E.220	BT40 x STA16E - 220	220	150	28	42	BT40 x STA1	STA1 - ER16A - 150	1.81
11.795.20E.104	BT40 x STA20E - 104	104	34	34	42	BT40 x STA1	STA1 - ER20A - 34	1.32
11.795.20E.140	BT40 x STA20E - 140	140	70	34	42	BT40 x STA1	STA1 - ER20A - 70	1.48
11.795.32E.125	BT40 x STA32E - 125	125	40	50	58	BT40 x STA2	STA2 - ER32 - 40	1.92
11.795.32E.155	BT40 x STA32E - 155	155	70	50	58	BT40 x STA2	STA2 - ER32 - 70	2.15
12.795.11E.130	BT50 x STA11E - 130	130	70	19	42	BT40 x STA1	STA1 - ER11A - 70	1.54
12.795.16E.085	BT50 x STA16E - 85	85	25	28	42	BT50 x STA1	STA1 - ER16A - 25	3.78
12.795.16E.130	BT50 x STA16E - 130	130	70	28	42	BT50 x STA1	STA1 - ER16A - 70	3.98
12.795.16E.210	BT50 x STA16E - 210	210	150	28	42	BT50 x STA1	STA1 - ER16A - 150	4.31
12.795.20E.094	BT50 x STA20E - 94	94	34	34	42	BT50 x STA1	STA1 - ER20A - 34	3.82
12.795.20E.140	BT50 x STA20E - 140	140	70	34	42	BT50 x STA1	STA1 - ER20A - 70	3.98
12.795.32E.135	BT50 x STA32E - 135	135	40	50	58	BT50 x STA2	STA2 - ER32 - 40	4.42
12.795.32E.165	BT50 x STA32E - 165	165	70	50	58	BT50 x STA2	STA2 - ER32 - 70	4.65

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

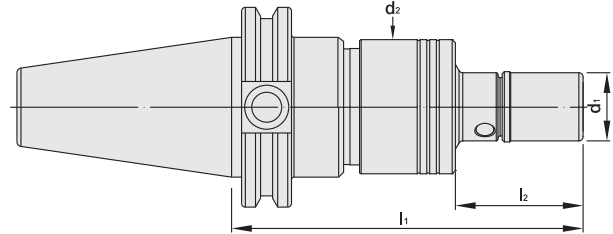
Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-68~71



CAT / STA SYNCHRONIZED TAPPING HOLDER



CAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
31.795.08T.100	CAT40 x STA8T - 100	100	30	12	42	CAT40 x STA1	STA1 - PTER8 - 30	1.24
31.795.08T.140	CAT40 x STA8T - 140	140	70	12	42	CAT40 x STA1	STA1 - PTER8 - 70	1.30
31.795.08T.170	CAT40 x STA8T - 170	170	100	12	42	CAT40 x STA1	STA1 - PTER8 - 100	1.35
31.795.11T.100	CAT40 x STA11T - 100	100	30	16	42	CAT40 x STA1	STA1 - PTER11 - 30	1.69
31.795.11T.140	CAT40 x STA11T - 140	140	70	16	42	CAT40 x STA1	STA1 - PTER11 - 70	1.75
31.795.11T.170	CAT40 x STA11T - 170	170	100	16	42	CAT40 x STA1	STA1 - PTER11 - 100	1.79
31.795.16T.100	CAT40 x STA16T - 100	100	30	22	42	CAT40 x STA1	STA1 - PTER16 - 30	1.70
31.795.16T.140	CAT40 x STA16T - 140	140	70	22	42	CAT40 x STA1	STA1 - PTER16 - 70	1.76
31.795.16T.170	CAT40 x STA16T - 170	170	100	22	42	CAT40 x STA1	STA1 - PTER16 - 100	1.80
31.795.20T.100	CAT40 x STA20T - 100	100	30	28	42	CAT40 x STA1	STA1 - PTER20 - 30	1.67
31.795.20T.140	CAT40 x STA20T - 140	140	70	28	42	CAT40 x STA1	STA1 - PTER20 - 70	1.94
31.795.20T.170	CAT40 x STA20T - 170	170	100	28	42	CAT40 x STA1	STA1 - PTER20 - 100	2.10
31.795.25T.120	CAT40 x STA25T - 120	120	30	35	58	CAT40 x STA2	STA2 - PTER25 - 30	2.00
31.795.25T.160	CAT40 x STA25T - 160	160	70	35	58	CAT40 x STA2	STA2 - PTER25 - 70	2.27
31.795.25T.190	CAT40 x STA25T - 190	190	100	35	58	CAT40 x STA2	STA2 - PTER25 - 100	2.43
32.795.08T.100	CAT50 x STA8T - 100	100	30	12	42	CAT50 x STA1	STA1 - PTER8 - 30	3.24
32.795.08T.140	CAT50 x STA8T - 140	140	70	12	42	CAT50 x STA1	STA1 - PTER8 - 70	3.30
32.795.08T.170	CAT50 x STA8T - 170	170	100	12	42	CAT50 x STA1	STA1 - PTER8 - 100	3.35
32.795.11T.100	CAT50 x STA11T - 100	100	30	16	42	CAT50 x STA1	STA1 - PTER11 - 30	3.69
32.795.11T.140	CAT50 x STA11T - 140	140	70	16	42	CAT50 x STA1	STA1 - PTER11 - 70	3.75
32.795.11T.170	CAT50 x STA11T - 170	170	100	16	42	CAT50 x STA1	STA1 - PTER11 - 100	3.79
32.795.16T.100	CAT50 x STA16T - 100	100	30	22	42	CAT50 x STA1	STA1 - PTER16 - 30	3.70
32.795.16T.140	CAT50 x STA16T - 140	140	70	22	42	CAT50 x STA1	STA1 - PTER16 - 70	3.76
32.795.16T.170	CAT50 x STA16T - 170	170	100	22	42	CAT50 x STA1	STA1 - PTER16 - 100	3.80
32.795.20T.100	CAT50 x STA20T - 100	100	30	28	42	CAT50 x STA1	STA1 - PTER20 - 30	3.67
32.795.20T.140	CAT50 x STA20T - 140	140	70	28	42	CAT50 x STA1	STA1 - PTER20 - 70	3.94
32.795.20T.170	CAT50 x STA20T - 170	170	100	28	42	CAT50 x STA1	STA1 - PTER20 - 100	4.10
32.795.25T.125	CAT50 x STA25T - 125	125	30	35	58	CAT50 x STA2	STA2 - PTER25 - 30	4.08
32.795.25T.165	CAT50 x STA25T - 165	165	70	35	58	CAT50 x STA2	STA2 - PTER25 - 70	4.35
32.795.25T.195	CAT50 x STA25T - 195	195	100	35	58	CAT50 x STA2	STA2 - PTER25 - 100	4.51

Product information:

► AD+B type is available, please inform us when making an order.

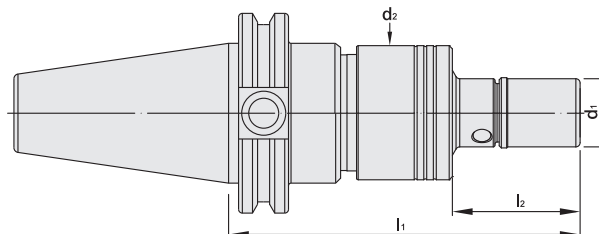
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-62	P.W-68~73

CAT / STA SYNCHRONIZED TAPPING HOLDER



CAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
31.795.16U.100	CAT40 x STA16U - 100	100	30	30	42	CAT40 x STA1	STA1 - UT16 - 30	1.27
31.795.16U.140	CAT40 x STA16U - 140	140	70	30	42	CAT40 x STA1	STA1 - UT16 - 70	1.42
31.795.16U.170	CAT40 x STA16U - 170	170	100	30	42	CAT40 x STA1	STA1 - UT16 - 100	1.62
31.795.20U.120	CAT40 x STA20U - 120	120	30	36	58	CAT40 x STA2	STA2 - UT20 - 30	1.75
31.795.20U.160	CAT40 x STA20U - 160	160	70	36	58	CAT40 x STA2	STA2 - UT20 - 70	1.95
31.795.20U.190	CAT40 x STA20U - 190	190	100	36	58	CAT40 x STA2	STA2 - UT20 - 100	2.08
31.795.25U.125	CAT40 x STA25U - 125	125	35	42	58	CAT40 x STA2	STA2 - UT25 - 35	1.75
31.795.25U.175	CAT40 x STA25U - 175	175	85	42	58	CAT40 x STA2	STA2 - UT25 - 85	2.10
31.795.25U.205	CAT40 x STA25U - 205	205	115	42	58	CAT40 x STA2	STA2 - UT25 - 115	2.35
31.795.32U.140	CAT40 x STA32U - 140	140	50	48	58	CAT40 x STA2	STA2 - UT32 - 50	1.80
31.795.32U.175	CAT40 x STA32U - 175	175	85	48	58	CAT40 x STA2	STA2 - UT32 - 85	2.05
31.795.32U.205	CAT40 x STA32U - 205	205	115	48	58	CAT40 x STA2	STA2 - UT32 - 115	2.25
32.795.16U.100	CAT50 x STA16U - 100	100	30	30	42	CAT50 x STA1	STA1 - UT16 - 30	3.27
32.795.16U.140	CAT50 x STA16U - 140	140	70	30	42	CAT50 x STA1	STA1 - UT16 - 70	3.42
32.795.16U.170	CAT50 x STA16U - 170	170	100	30	42	CAT50 x STA1	STA1 - UT16 - 100	3.62
32.795.20U.125	CAT50 x STA20U - 125	125	30	36	58	CAT50 x STA2	STA2 - UT20 - 30	3.83
32.795.20U.165	CAT50 x STA20U - 165	165	70	36	58	CAT50 x STA2	STA2 - UT20 - 70	4.03
32.795.20U.195	CAT50 x STA20U - 195	195	100	36	58	CAT50 x STA2	STA2 - UT20 - 100	4.16
32.795.25U.130	CAT50 x STA25U - 130	130	35	42	58	CAT50 x STA2	STA2 - UT25 - 35	3.83
32.795.25U.180	CAT50 x STA25U - 180	180	85	42	58	CAT50 x STA2	STA2 - UT25 - 85	4.18
32.795.25U.210	CAT50 x STA25U - 210	210	115	42	58	CAT50 x STA2	STA2 - UT25 - 115	4.43
32.795.32U.145	CAT50 x STA32U - 145	145	50	48	58	CAT50 x STA2	STA2 - UT32 - 50	3.88
32.795.32U.180	CAT50 x STA32U - 180	180	85	48	58	CAT50 x STA2	STA2 - UT32 - 85	4.13
32.795.32U.210	CAT50 x STA32U - 210	210	115	48	58	CAT50 x STA2	STA2 - UT32 - 115	4.33

Product information:

▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

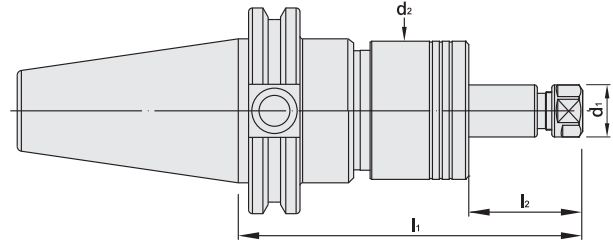
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-62	P.W-68~73



CAT / STA SYNCHRONIZED TAPPING HOLDER



CAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
31.795.11E.140	CAT40 x STA11E - 140	140	70	19	42	CAT40 x STA1	STA1 - ER11A - 70	1.48
31.795.16E.095	CAT40 x STA16E - 95	95	25	28	42	CAT40 x STA1	STA1 - ER16A - 25	1.22
31.795.16E.140	CAT40 x STA16E - 140	140	70	28	42	CAT40 x STA1	STA1 - ER16A - 70	1.42
31.795.16E.220	CAT40 x STA16E - 220	220	150	28	42	CAT40 x STA1	STA1 - ER16A - 150	1.75
31.795.20E.104	CAT40 x STA20E - 104	104	34	34	42	CAT40 x STA1	STA1 - ER20A - 34	1.26
31.795.20E.140	CAT40 x STA20E - 140	140	70	34	42	CAT40 x STA1	STA1 - ER20A - 70	1.42
31.795.32E.130	CAT40 x STA32E - 130	130	40	50	58	CAT40 x STA2	STA2 - ER32 - 40	1.89
31.795.32E.160	CAT40 x STA32E - 160	160	70	50	58	CAT40 x STA2	STA2 - ER32 - 70	2.12
32.795.11E.140	CAT50 x STA11E - 140	140	70	19	42	CAT50 x STA1	STA1 - ER11A - 70	3.48
32.795.16E.095	CAT50 x STA16E - 95	95	25	28	42	CAT50 x STA1	STA1 - ER16A - 25	3.22
32.795.16E.140	CAT50 x STA16E - 140	140	70	28	42	CAT50 x STA1	STA1 - ER16A - 70	3.42
32.795.16E.220	CAT50 x STA16E - 220	220	150	28	42	CAT50 x STA1	STA1 - ER16A - 150	3.75
32.795.20E.104	CAT50 x STA20E - 104	104	34	34	42	CAT50 x STA1	STA1 - ER20A - 34	3.26
32.795.20E.140	CAT50 x STA20E - 140	140	70	34	42	CAT50 x STA1	STA1 - ER20A - 70	3.42
32.795.32E.135	CAT50 x STA32E - 135	135	40	50	58	CAT50 x STA2	STA2 - ER32 - 40	3.97
32.795.32E.165	CAT50 x STA32E - 165	165	70	50	58	CAT50 x STA2	STA2 - ER32 - 70	4.20

Product information:

▶ AD+B type is available, please inform us when making an order.

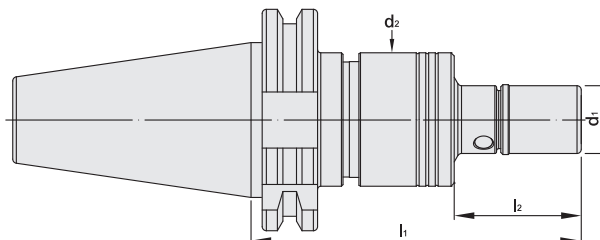
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-68~71

DAT / STA SYNCHRONIZED TAPPING HOLDER



DAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
51.795.08T.090	DAT40 x STA8T - 90	90	30	12	42	DAT40 x STA1	STA1 - PTER8 - 30	1.13
51.795.08T.130	DAT40 x STA8T - 130	130	70	12	42	DAT40 x STA1	STA1 - PTER8 - 70	1.19
51.795.08T.160	DAT40 x STA8T - 160	160	100	12	42	DAT40 x STA1	STA1 - PTER8 - 100	1.24
51.795.11T.090	DAT40 x STA11T - 90	90	30	16	42	DAT40 x STA1	STA1 - PTER11 - 30	1.58
51.795.11T.130	DAT40 x STA11T - 130	130	70	16	42	DAT40 x STA1	STA1 - PTER11 - 70	1.64
51.795.11T.160	DAT40 x STA11T - 160	160	100	16	42	DAT40 x STA1	STA1 - PTER11 - 100	1.68
51.795.16T.090	DAT40 x STA16T - 90	90	30	22	42	DAT40 x STA1	STA1 - PTER16 - 30	1.59
51.795.16T.130	DAT40 x STA16T - 130	130	70	22	42	DAT40 x STA1	STA1 - PTER16 - 70	1.65
51.795.16T.160	DAT40 x STA16T - 160	160	100	22	42	DAT40 x STA1	STA1 - PTER16 - 100	1.69
51.795.20T.090	DAT40 x STA20T - 90	90	30	28	42	DAT40 x STA1	STA1 - PTER20 - 30	1.56
51.795.20T.130	DAT40 x STA20T - 130	130	70	28	42	DAT40 x STA1	STA1 - PTER20 - 70	1.83
51.795.20T.160	DAT40 x STA20T - 160	160	100	28	42	DAT40 x STA1	STA1 - PTER20 - 100	1.99
51.795.25T.120	DAT40 x STA25T - 120	120	30	35	58	DAT40 x STA2	STA2 - PTER25 - 30	2.05
51.795.25T.160	DAT40 x STA25T - 160	160	70	35	58	DAT40 x STA2	STA2 - PTER25 - 70	2.32
51.795.25T.190	DAT40 x STA25T - 190	190	100	35	58	DAT40 x STA2	STA2 - PTER25 - 100	2.48
52.795.08T.100	DAT50 x STA8T - 100	100	30	12	42	DAT50 x STA1	STA1 - PTER8 - 30	2.85
52.795.08T.140	DAT50 x STA8T - 140	140	70	12	42	DAT50 x STA1	STA1 - PTER8 - 70	2.91
52.795.08T.170	DAT50 x STA8T - 170	170	100	12	42	DAT50 x STA1	STA1 - PTER8 - 100	2.96
52.795.11T.100	DAT50 x STA11T - 100	100	30	16	42	DAT50 x STA1	STA1 - PTER11 - 30	3.30
52.795.11T.140	DAT50 x STA11T - 140	140	70	16	42	DAT50 x STA1	STA1 - PTER11 - 70	3.36
52.795.11T.170	DAT50 x STA11T - 170	170	100	16	42	DAT50 x STA1	STA1 - PTER11 - 100	3.40
52.795.16T.100	DAT50 x STA16T - 100	100	30	22	42	DAT50 x STA1	STA1 - PTER16 - 30	3.31
52.795.16T.140	DAT50 x STA16T - 140	140	70	22	42	DAT50 x STA1	STA1 - PTER16 - 70	3.37
52.795.16T.170	DAT50 x STA16T - 170	170	100	22	42	DAT50 x STA1	STA1 - PTER16 - 100	3.41
52.795.20T.100	DAT50 x STA20T - 100	100	30	28	42	DAT50 x STA1	STA1 - PTER20 - 30	3.28
52.795.20T.140	DAT50 x STA20T - 140	140	70	28	42	DAT50 x STA1	STA1 - PTER20 - 70	3.55
52.795.20T.170	DAT50 x STA20T - 170	170	100	28	42	DAT50 x STA1	STA1 - PTER20 - 100	3.71
52.795.25T.110	DAT50 x STA25T - 110	110	30	35	58	DAT50 x STA2	STA2 - PTER25 - 30	3.66
52.795.25T.150	DAT50 x STA25T - 150	150	70	35	58	DAT50 x STA2	STA2 - PTER25 - 70	3.93
52.795.25T.180	DAT50 x STA25T - 180	180	100	35	58	DAT50 x STA2	STA2 - PTER25 - 100	4.09

Product information:

▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

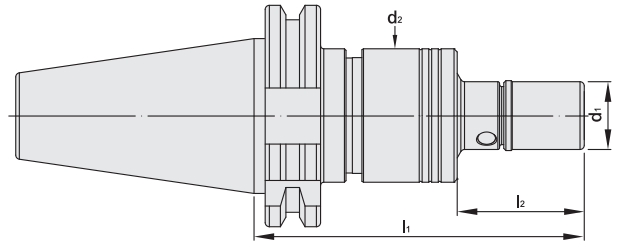
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-63	P.W-68~73



DAT / STA SYNCHRONIZED TAPPING HOLDER



DAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
51.795.16U.100	DAT40 x STA16U - 100	100	30	30	42	DAT40 x STA1	STA1 - UT16 - 30	1.16
51.795.16U.140	DAT40 x STA16U - 140	140	70	30	42	DAT40 x STA1	STA1 - UT16 - 70	1.31
51.795.16U.170	DAT40 x STA16U - 170	170	100	30	42	DAT40 x STA1	STA1 - UT16 - 100	1.51
51.795.20U.120	DAT40 x STA20U - 120	120	30	36	58	DAT40 x STA2	STA2 - UT20 - 30	1.80
51.795.20U.160	DAT40 x STA20U - 160	160	70	36	58	DAT40 x STA2	STA2 - UT20 - 70	2.00
51.795.20U.190	DAT40 x STA20U - 190	190	100	36	58	DAT40 x STA2	STA2 - UT20 - 100	2.13
51.795.25U.125	DAT40 x STA25U - 125	125	35	42	58	DAT40 x STA2	STA2 - UT25 - 35	1.80
51.795.25U.175	DAT40 x STA25U - 175	175	85	42	58	DAT40 x STA2	STA2 - UT25 - 85	2.15
51.795.25U.205	DAT40 x STA25U - 205	205	115	42	58	DAT40 x STA2	STA2 - UT25 - 115	2.40
51.795.32U.140	DAT40 x STA32U - 140	140	50	48	58	DAT40 x STA2	STA2 - UT32 - 50	1.85
51.795.32U.175	DAT40 x STA32U - 175	175	85	48	58	DAT40 x STA2	STA2 - UT32 - 85	2.10
51.795.32U.205	DAT40 x STA32U - 205	205	115	48	58	DAT40 x STA2	STA2 - UT32 - 115	2.30
52.795.16U.090	DAT50 x STA16U - 90	90	30	30	42	DAT50 x STA1	STA1 - UT16 - 30	2.88
52.795.16U.130	DAT50 x STA16U - 130	130	70	30	42	DAT50 x STA1	STA1 - UT16 - 70	3.03
52.795.16U.160	DAT50 x STA16U - 160	160	100	30	42	DAT50 x STA1	STA1 - UT16 - 100	3.23
52.795.20U.110	DAT50 x STA20U - 110	110	30	36	58	DAT50 x STA2	STA2 - UT20 - 30	3.41
52.795.20U.150	DAT50 x STA20U - 150	150	70	36	58	DAT50 x STA2	STA2 - UT20 - 70	3.61
52.795.20U.180	DAT50 x STA20U - 180	180	100	36	58	DAT50 x STA2	STA2 - UT20 - 100	3.74
52.795.25U.115	DAT50 x STA25U - 115	115	35	42	58	DAT50 x STA2	STA2 - UT25 - 35	3.41
52.795.25U.165	DAT50 x STA25U - 165	165	85	42	58	DAT50 x STA2	STA2 - UT25 - 85	3.76
52.795.25U.195	DAT50 x STA25U - 195	195	115	42	58	DAT50 x STA2	STA2 - UT25 - 115	4.01
52.795.32U.130	DAT50 x STA32U - 130	130	50	48	58	DAT50 x STA2	STA2 - UT32 - 50	3.46
52.795.32U.165	DAT50 x STA32U - 165	165	85	48	58	DAT50 x STA2	STA2 - UT32 - 85	3.71
52.795.32U.195	DAT50 x STA32U - 195	195	115	48	58	DAT50 x STA2	STA2 - UT32 - 115	3.91

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

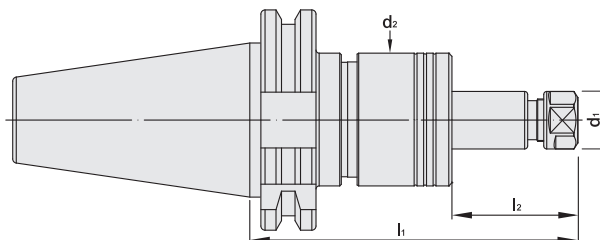
Collet	Nut	Pull Stud	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-68~73



DAT / STA SYNCHRONIZED TAPPING HOLDER



DAT / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
51.795.11E.130	DAT40 x STA11E - 130	130	70	19	42	DAT40 x STA1	STA1 - ER11A - 70	1.37
51.795.16E.085	DAT40 x STA16E - 85	85	25	28	42	DAT40 x STA1	STA1 - ER16A - 25	1.11
51.795.16E.130	DAT40 x STA16E - 130	130	70	28	42	DAT40 x STA1	STA1 - ER16A - 70	1.31
51.795.16E.210	DAT40 x STA16E - 210	210	150	28	58	DAT40 x STA2	STA1 - ER16A - 150	2.13
51.795.20E.094	DAT40 x STA20E - 94	94	34	34	58	DAT40 x STA2	STA1 - ER20A - 34	1.64
51.795.20E.130	DAT40 x STA20E - 130	130	70	34	58	DAT40 x STA2	STA1 - ER20A - 70	1.80
51.795.32E.130	DAT40 x STA32E - 130	130	40	50	58	DAT40 x STA2	STA2 - ER32 - 40	1.94
51.795.32E.160	DAT40 x STA32E - 160	160	70	50	58	DAT40 x STA2	STA2 - ER32 - 70	2.17
52.795.11E.130	DAT50 x STA11E - 130	130	70	19	58	DAT40 x STA2	STA1 - ER11A - 70	1.86
52.795.16E.085	DAT50 x STA16E - 85	85	25	28	58	DAT40 x STA2	STA1 - ER16A - 25	1.60
52.795.16E.130	DAT50 x STA16E - 130	130	70	28	58	DAT40 x STA2	STA1 - ER16A - 70	1.80
52.795.16E.210	DAT50 x STA16E - 210	210	150	28	58	DAT40 x STA2	STA1 - ER16A - 150	2.13
52.795.20E.094	DAT50 x STA20E - 94	94	34	34	42	DAT50 x STA1	STA1 - ER20A - 34	2.87
52.795.20E.130	DAT50 x STA20E - 130	130	70	34	42	DAT50 x STA1	STA1 - ER20A - 70	3.03
52.795.32E.120	DAT50 x STA32E - 120	120	40	50	42	DAT50 x STA1	STA2 - ER32 - 40	3.17
52.795.32E.150	DAT50 x STA32E - 150	150	70	50	58	DAT50 x STA2	STA2 - ER32 - 70	3.78

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

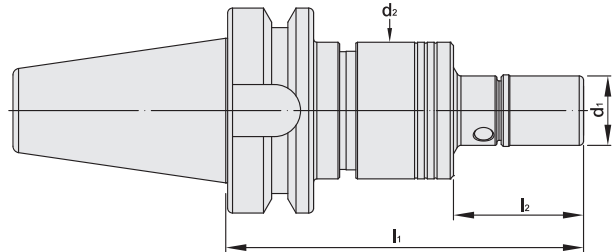
Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-68~71



SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
25.795.08T.090	SBT30 x STA8T - 90	90	30	12	42	SBT30 x STA1	STA1 - PTER8 - 30	0.68
25.795.08T.130	SBT30 x STA8T - 130	130	70	12	42	SBT30 x STA1	STA1 - PTER8 - 70	0.74
25.795.08T.160	SBT30 x STA8T - 160	160	100	12	42	SBT30 x STA1	STA1 - PTER8 - 100	0.79
25.795.11T.090	SBT30 x STA11T - 90	90	30	16	42	SBT30 x STA1	STA1 - PTER11 - 30	1.13
25.795.11T.130	SBT30 x STA11T - 130	130	70	16	42	SBT30 x STA1	STA1 - PTER11 - 70	1.19
25.795.11T.160	SBT30 x STA11T - 160	160	100	16	42	SBT30 x STA1	STA1 - PTER11 - 100	1.23
25.795.16T.090	SBT30 x STA16T - 90	90	30	22	42	SBT30 x STA1	STA1 - PTER16 - 30	1.14
25.795.16T.130	SBT30 x STA16T - 130	130	70	22	42	SBT30 x STA1	STA1 - PTER16 - 70	1.20
25.795.16T.160	SBT30 x STA16T - 160	160	100	22	42	SBT30 x STA1	STA1 - PTER16 - 100	1.24
25.795.20T.090	SBT30 x STA20T - 90	90	30	28	42	SBT30 x STA1	STA1 - PTER20 - 30	1.11
25.795.20T.130	SBT30 x STA20T - 130	130	70	28	42	SBT30 x STA1	STA1 - PTER20 - 70	1.38
25.795.20T.160	SBT30 x STA20T - 160	160	100	28	42	SBT30 x STA1	STA1 - PTER20 - 100	1.54
26.795.08T.100	SBT40 x STA8T - 100	100	30	12	42	SBT40 x STA1	STA1 - PTER8 - 30	1.30
26.795.08T.140	SBT40 x STA8T - 140	140	70	12	42	SBT40 x STA1	STA1 - PTER8 - 70	1.36
26.795.08T.170	SBT40 x STA8T - 170	170	100	12	42	SBT40 x STA1	STA1 - PTER8 - 100	1.41
26.795.11T.100	SBT40 x STA11T - 100	100	30	16	42	SBT40 x STA1	STA1 - PTER11 - 30	1.75
26.795.11T.140	SBT40 x STA11T - 140	140	70	16	42	SBT40 x STA1	STA1 - PTER11 - 70	1.81
26.795.11T.170	SBT40 x STA11T - 170	170	100	16	42	SBT40 x STA1	STA1 - PTER11 - 100	1.85
26.795.16T.100	SBT40 x STA16T - 100	100	30	22	42	SBT40 x STA1	STA1 - PTER16 - 30	1.76
26.795.16T.140	SBT40 x STA16T - 140	140	70	22	42	SBT40 x STA1	STA1 - PTER16 - 70	1.82
26.795.16T.170	SBT40 x STA16T - 170	170	100	22	42	SBT40 x STA1	STA1 - PTER16 - 100	1.86
26.795.20T.100	SBT40 x STA20T - 100	100	30	28	42	SBT40 x STA1	STA1 - PTER20 - 30	1.73
26.795.20T.140	SBT40 x STA20T - 140	140	70	28	42	SBT40 x STA1	STA1 - PTER20 - 70	2.00
26.795.20T.170	SBT40 x STA20T - 170	170	100	28	42	SBT40 x STA1	STA1 - PTER20 - 100	2.16
26.795.25T.115	SBT40 x STA25T - 115	115	30	35	58	SBT40 x STA2	STA2 - PTER25 - 30	2.03
26.795.25T.155	SBT40 x STA25T - 155	155	70	35	58	SBT40 x STA2	STA2 - PTER25 - 70	2.30
26.795.25T.185	SBT40 x STA25T - 185	185	100	35	58	SBT40 x STA2	STA2 - PTER25 - 100	2.46

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

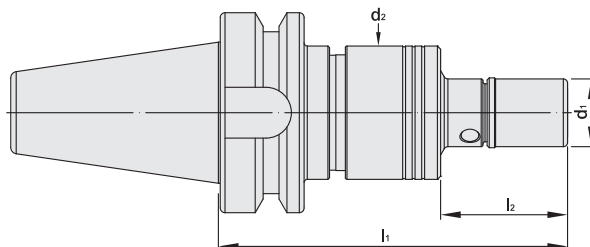
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-68~73



SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
27.795.08T.090	SBT50 x STA8T - 90	90	30	12	42	SBT50 x STA1	STA1 - PTER8 - 30	3.80
27.795.08T.130	SBT50 x STA8T - 130	130	70	12	42	SBT50 x STA1	STA1 - PTER8 - 70	3.86
27.795.08T.160	SBT50 x STA8T - 160	160	100	12	42	SBT50 x STA1	STA1 - PTER8 - 100	3.91
27.795.11T.090	SBT50 x STA11T - 90	90	30	16	42	SBT50 x STA1	STA1 - PTER11 - 30	4.25
27.795.11T.130	SBT50 x STA11T - 130	130	70	16	42	SBT50 x STA1	STA1 - PTER11 - 70	4.31
27.795.11T.160	SBT50 x STA11T - 160	160	100	16	42	SBT50 x STA1	STA1 - PTER11 - 100	4.35
27.795.16T.090	SBT50 x STA16T - 90	90	30	22	42	SBT50 x STA1	STA1 - PTER16 - 30	4.26
27.795.16T.130	SBT50 x STA16T - 130	130	70	22	42	SBT50 x STA1	STA1 - PTER16 - 70	4.32
27.795.16T.160	SBT50 x STA16T - 160	160	100	22	42	SBT50 x STA1	STA1 - PTER16 - 100	4.36
27.795.20T.090	SBT50 x STA20T - 90	90	30	28	42	SBT50 x STA1	STA1 - PTER20 - 30	4.23
27.795.20T.130	SBT50 x STA20T - 130	130	70	28	42	SBT50 x STA1	STA1 - PTER20 - 70	4.50
27.795.20T.160	SBT50 x STA20T - 160	160	100	28	42	SBT50 x STA1	STA1 - PTER20 - 100	4.66
27.795.25T.125	SBT50 x STA25T - 125	125	30	35	58	SBT50 x STA2	STA2 - PTER25 - 30	4.53
27.795.25T.165	SBT50 x STA25T - 165	165	70	35	58	SBT50 x STA2	STA2 - PTER25 - 70	4.80
27.795.25T.195	SBT50 x STA25T - 195	195	100	35	58	SBT50 x STA2	STA2 - PTER25 - 100	4.96

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

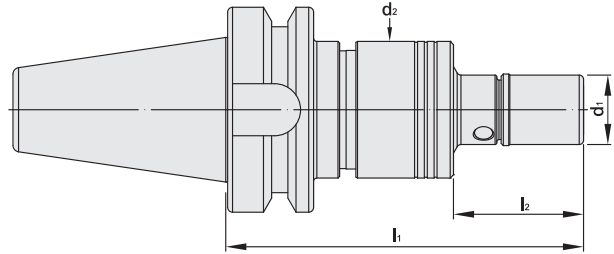
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-60~61	P.W-68~73



SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
25.795.16U.090	SBT30 x STA16U - 90	90	30	30	42	SBT30 x STA1	STA1 - UT16 - 30	0.71
25.795.16U.130	SBT30 x STA16U - 130	130	70	30	42	SBT30 x STA1	STA1 - UT16 - 70	0.86
25.795.16U.160	SBT30 x STA16U - 160	160	100	30	42	SBT30 x STA1	STA1 - UT16 - 100	1.06
26.795.16U.100	SBT40 x STA16U - 100	100	30	30	42	SBT40 x STA1	STA1 - UT16 - 30	1.33
26.795.16U.140	SBT40 x STA16U - 140	140	70	30	42	SBT40 x STA1	STA1 - UT16 - 70	1.48
26.795.16U.170	SBT40 x STA16U - 170	170	100	30	42	SBT40 x STA1	STA1 - UT16 - 100	1.68
26.795.20U.115	SBT40 x STA20U - 115	115	30	36	58	SBT40 x STA2	STA2 - UT20 - 30	1.78
26.795.20U.155	SBT40 x STA20U - 155	155	70	36	58	SBT40 x STA2	STA2 - UT20 - 70	1.98
26.795.20U.185	SBT40 x STA20U - 185	185	100	36	58	SBT40 x STA2	STA2 - UT20 - 100	2.11
26.795.25U.120	SBT40 x STA25U - 120	120	35	42	58	SBT40 x STA2	STA2 - UT25 - 35	1.78
26.795.25U.170	SBT40 x STA25U - 170	170	85	42	58	SBT40 x STA2	STA2 - UT25 - 85	2.13
26.795.25U.200	SBT40 x STA25U - 200	200	115	42	58	SBT40 x STA2	STA2 - UT25 - 115	2.38
26.795.32U.135	SBT40 x STA32U - 135	135	50	48	58	SBT40 x STA2	STA2 - UT32 - 50	1.83
26.795.32U.170	SBT40 x STA32U - 170	170	85	48	58	SBT40 x STA2	STA2 - UT32 - 85	2.08
26.795.32U.200	SBT40 x STA32U - 200	200	115	48	58	SBT40 x STA2	STA2 - UT32 - 115	2.28
27.795.16U.090	SBT50 x STA16U - 90	90	30	30	42	SBT50 x STA1	STA1 - UT16 - 30	3.83
27.795.16U.130	SBT50 x STA16U - 130	130	70	30	42	SBT50 x STA1	STA1 - UT16 - 70	3.98
27.795.16U.160	SBT50 x STA16U - 160	160	100	30	42	SBT50 x STA1	STA1 - UT16 - 100	4.18
27.795.20U.125	SBT50 x STA20U - 125	125	30	36	58	SBT50 x STA2	STA2 - UT20 - 30	4.28
27.795.20U.165	SBT50 x STA20U - 165	165	70	36	58	SBT50 x STA2	STA2 - UT20 - 70	4.48
27.795.20U.195	SBT50 x STA20U - 195	195	100	36	58	SBT50 x STA2	STA2 - UT20 - 100	4.61
27.795.25U.130	SBT50 x STA25U - 130	130	35	42	58	SBT50 x STA2	STA2 - UT25 - 35	4.28
27.795.25U.180	SBT50 x STA25U - 180	180	85	42	58	SBT50 x STA2	STA2 - UT25 - 85	4.63
27.795.25U.210	SBT50 x STA25U - 210	210	115	42	58	SBT50 x STA2	STA2 - UT25 - 115	4.88
27.795.32U.145	SBT50 x STA32U - 145	145	50	48	58	SBT50 x STA2	STA2 - UT32 - 50	4.33
27.795.32U.180	SBT50 x STA32U - 180	180	85	48	58	SBT50 x STA2	STA2 - UT32 - 85	4.58
27.795.32U.210	SBT50 x STA32U - 210	210	115	48	58	SBT50 x STA2	STA2 - UT32 - 115	4.78

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

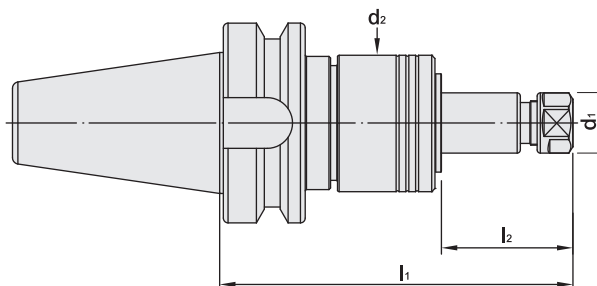
Collet	Nut	Pull Stud	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-68~73



SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
25.795.11E.130	SBT30 x STA11E - 130	130	70	19	42	SBT30 x STA1	STA1 - ER11A - 70	0.92
25.795.16E.085	SBT30 x STA16E - 85	85	25	28	42	SBT30 x STA1	STA1 - ER16A - 25	0.66
25.795.16E.130	SBT30 x STA16E - 130	130	70	28	42	SBT30 x STA1	STA1 - ER16A - 70	0.86
25.795.16E.210	SBT30 x STA16E - 210	210	150	28	42	SBT30 x STA1	STA1 - ER16A - 150	1.19
25.795.20E.094	SBT30 x STA20E - 94	94	34	34	42	SBT30 x STA1	STA1 - ER20A - 34	0.70
25.795.20E.130	SBT30 x STA20E - 130	130	70	34	42	SBT30 x STA1	STA1 - ER20A - 70	0.86
26.795.11E.140	SBT40 x STA11E - 140	140	70	19	42	SBT40 x STA1	STA1 - ER11A - 70	1.54
26.795.16E.095	SBT40 x STA16E - 95	95	25	28	42	SBT40 x STA1	STA1 - ER16A - 25	1.28
26.795.16E.140	SBT40 x STA16E - 140	140	70	28	42	SBT40 x STA1	STA1 - ER16A - 70	1.48
26.795.16E.220	SBT40 x STA16E - 220	220	150	28	42	SBT40 x STA1	STA1 - ER16A - 150	1.81
26.795.20E.104	SBT40 x STA20E - 104	104	34	34	42	SBT40 x STA1	STA1 - ER20A - 34	1.32
26.795.20E.140	SBT40 x STA20E - 140	140	70	34	42	SBT40 x STA1	STA1 - ER20A - 70	1.48
26.795.32E.125	SBT40 x STA32E - 125	125	40	50	58	SBT40 x STA2	STA2 - ER32 - 40	1.92
26.795.32E.155	SBT40 x STA32E - 155	155	70	50	58	SBT40 x STA2	STA2 - ER32 - 70	2.15
27.795.11E.130	SBT50 x STA11E - 130	130	70	19	42	SBT40 x STA1	STA1 - ER11A - 70	1.54
27.795.16E.085	SBT50 x STA16E - 85	85	25	28	42	SBT50 x STA1	STA1 - ER16A - 25	3.78
27.795.16E.130	SBT50 x STA16E - 130	130	70	28	42	SBT50 x STA1	STA1 - ER16A - 70	3.98
27.795.16E.210	SBT50 x STA16E - 210	210	150	28	42	SBT50 x STA1	STA1 - ER16A - 150	4.31
27.795.20E.094	SBT50 x STA20E - 94	94	34	34	42	SBT50 x STA1	STA1 - ER20A - 34	3.82
27.795.20E.140	SBT50 x STA20E - 140	140	70	34	42	SBT50 x STA1	STA1 - ER20A - 70	3.98
27.795.32E.135	SBT50 x STA32E - 135	135	40	50	58	SBT50 x STA2	STA2 - ER32 - 40	4.42
27.795.32E.165	SBT50 x STA32E - 165	165	70	50	58	SBT50 x STA2	STA2 - ER32 - 70	4.65

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

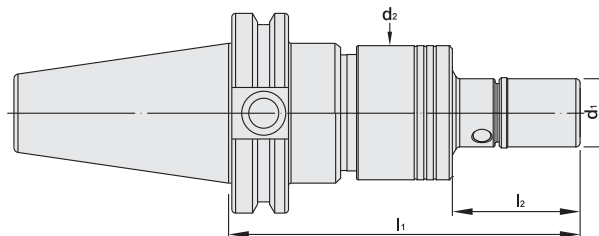
Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-60~61	P.W-68~71



SCAT / STA SYNCHRONIZED TAPPING HOLDER



SCAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
43.795.08T.100	SCAT40 x STA8T - 100	100	30	12	42	SCAT40 x STA1	STA1 - PTER8 - 30	1.24
43.795.08T.140	SCAT40 x STA8T - 140	140	70	12	42	SCAT40 x STA1	STA1 - PTER8 - 70	1.30
43.795.08T.170	SCAT40 x STA8T - 170	170	100	12	42	SCAT40 x STA1	STA1 - PTER8 - 100	1.35
43.795.11T.100	SCAT40 x STA11T - 100	100	30	16	42	SCAT40 x STA1	STA1 - PTER11 - 30	1.69
43.795.11T.140	SCAT40 x STA11T - 140	140	70	16	42	SCAT40 x STA1	STA1 - PTER11 - 70	1.75
43.795.11T.170	SCAT40 x STA11T - 170	170	100	16	42	SCAT40 x STA1	STA1 - PTER11 - 100	1.79
43.795.16T.100	SCAT40 x STA16T - 100	100	30	22	42	SCAT40 x STA1	STA1 - PTER16 - 30	1.70
43.795.16T.140	SCAT40 x STA16T - 140	140	70	22	42	SCAT40 x STA1	STA1 - PTER16 - 70	1.76
43.795.16T.170	SCAT40 x STA16T - 170	170	100	22	42	SCAT40 x STA1	STA1 - PTER16 - 100	1.80
43.795.20T.100	SCAT40 x STA20T - 100	100	30	28	42	SCAT40 x STA1	STA1 - PTER20 - 30	1.67
43.795.20T.140	SCAT40 x STA20T - 140	140	70	28	42	SCAT40 x STA1	STA1 - PTER20 - 70	1.94
43.795.20T.170	SCAT40 x STA20T - 170	170	100	28	42	SCAT40 x STA1	STA1 - PTER20 - 100	2.10
43.795.25T.120	SCAT40 x STA25T - 120	120	30	35	58	SCAT40 x STA2	STA2 - PTER25 - 30	2.00
43.795.25T.160	SCAT40 x STA25T - 160	160	70	35	58	SCAT40 x STA2	STA2 - PTER25 - 70	2.27
43.795.25T.190	SCAT40 x STA25T - 190	190	100	35	58	SCAT40 x STA2	STA2 - PTER25 - 100	2.43
44.795.08T.100	SCAT50 x STA8T - 100	100	30	12	42	SCAT50 x STA1	STA1 - PTER8 - 30	3.24
44.795.08T.140	SCAT50 x STA8T - 140	140	70	12	42	SCAT50 x STA1	STA1 - PTER8 - 70	3.30
44.795.08T.170	SCAT50 x STA8T - 170	170	100	12	42	SCAT50 x STA1	STA1 - PTER8 - 100	3.35
44.795.11T.100	SCAT50 x STA11T - 100	100	30	16	42	SCAT50 x STA1	STA1 - PTER11 - 30	3.69
44.795.11T.140	SCAT50 x STA11T - 140	140	70	16	42	SCAT50 x STA1	STA1 - PTER11 - 70	3.75
44.795.11T.170	SCAT50 x STA11T - 170	170	100	16	42	SCAT50 x STA1	STA1 - PTER11 - 100	3.79
44.795.16T.100	SCAT50 x STA16T - 100	100	30	22	42	SCAT50 x STA1	STA1 - PTER16 - 30	3.70
44.795.16T.140	SCAT50 x STA16T - 140	140	70	22	42	SCAT50 x STA1	STA1 - PTER16 - 70	3.76
44.795.16T.170	SCAT50 x STA16T - 170	170	100	22	42	SCAT50 x STA1	STA1 - PTER16 - 100	3.80
44.795.20T.100	SCAT50 x STA20T - 100	100	30	28	42	SCAT50 x STA1	STA1 - PTER20 - 30	3.67
44.795.20T.140	SCAT50 x STA20T - 140	140	70	28	42	SCAT50 x STA1	STA1 - PTER20 - 70	3.94
44.795.20T.170	SCAT50 x STA20T - 170	170	100	28	42	SCAT50 x STA1	STA1 - PTER20 - 100	4.10
44.795.25T.125	SCAT50 x STA25T - 125	125	30	35	58	SCAT50 x STA2	STA2 - PTER25 - 30	4.08
44.795.25T.165	SCAT50 x STA25T - 165	165	70	35	58	SCAT50 x STA2	STA2 - PTER25 - 70	4.35
44.795.25T.195	SCAT50 x STA25T - 195	195	100	35	58	SCAT50 x STA2	STA2 - PTER25 - 100	4.51

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

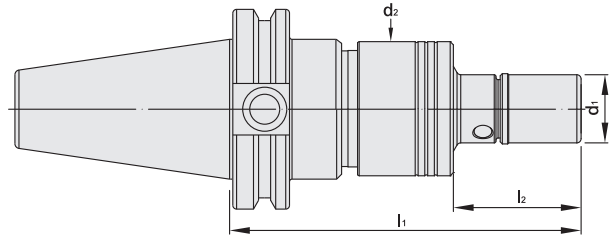
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-62	P.W-68~73



SCAT / STA SYNCHRONIZED TAPPING HOLDER



SCAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
43.795.16U.100	SCAT40 x STA16U - 100	100	30	30	42	SCAT40 x STA1	STA1 - UT16 - 30	1.27
43.795.16U.140	SCAT40 x STA16U - 140	140	70	30	42	SCAT40 x STA1	STA1 - UT16 - 70	1.42
43.795.16U.170	SCAT40 x STA16U - 170	170	100	30	42	SCAT40 x STA1	STA1 - UT16 - 100	1.62
43.795.20U.120	SCAT40 x STA20U - 120	120	30	36	58	SCAT40 x STA2	STA2 - UT20 - 30	1.75
43.795.20U.160	SCAT40 x STA20U - 160	160	70	36	58	SCAT40 x STA2	STA2 - UT20 - 70	1.95
43.795.20U.190	SCAT40 x STA20U - 190	190	100	36	58	SCAT40 x STA2	STA2 - UT20 - 100	2.08
43.795.25U.125	SCAT40 x STA25U - 125	125	35	42	58	SCAT40 x STA2	STA2 - UT25 - 35	1.75
43.795.25U.175	SCAT40 x STA25U - 175	175	85	42	58	SCAT40 x STA2	STA2 - UT25 - 85	2.10
43.795.25U.205	SCAT40 x STA25U - 205	205	115	42	58	SCAT40 x STA2	STA2 - UT25 - 115	2.35
43.795.32U.140	SCAT40 x STA32U - 140	140	50	48	58	SCAT40 x STA2	STA2 - UT32 - 50	1.80
43.795.32U.175	SCAT40 x STA32U - 175	175	85	48	58	SCAT40 x STA2	STA2 - UT32 - 85	2.05
43.795.32U.205	SCAT40 x STA32U - 205	205	115	48	58	SCAT40 x STA2	STA2 - UT32 - 115	2.25
44.795.16U.100	SCAT50 x STA16U - 100	100	30	30	42	SCAT50 x STA1	STA1 - UT16 - 30	3.27
44.795.16U.140	SCAT50 x STA16U - 140	140	70	30	42	SCAT50 x STA1	STA1 - UT16 - 70	3.42
44.795.16U.170	SCAT50 x STA16U - 170	170	100	30	42	SCAT50 x STA1	STA1 - UT16 - 100	3.62
44.795.20U.125	SCAT50 x STA20U - 125	125	30	36	58	SCAT50 x STA2	STA2 - UT20 - 30	3.83
44.795.20U.165	SCAT50 x STA20U - 165	165	70	36	58	SCAT50 x STA2	STA2 - UT20 - 70	4.03
44.795.20U.195	SCAT50 x STA20U - 195	195	100	36	58	SCAT50 x STA2	STA2 - UT20 - 100	4.16
44.795.25U.130	SCAT50 x STA25U - 130	130	35	42	58	SCAT50 x STA2	STA2 - UT25 - 35	3.83
44.795.25U.180	SCAT50 x STA25U - 180	180	85	42	58	SCAT50 x STA2	STA2 - UT25 - 85	4.18
44.795.25U.210	SCAT50 x STA25U - 210	210	115	42	58	SCAT50 x STA2	STA2 - UT25 - 115	4.43
44.795.32U.145	SCAT50 x STA32U - 145	145	50	48	58	SCAT50 x STA2	STA2 - UT32 - 50	3.88
44.795.32U.180	SCAT50 x STA32U - 180	180	85	48	58	SCAT50 x STA2	STA2 - UT32 - 85	4.13
44.795.32U.210	SCAT50 x STA32U - 210	210	115	48	58	SCAT50 x STA2	STA2 - UT32 - 115	4.33

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

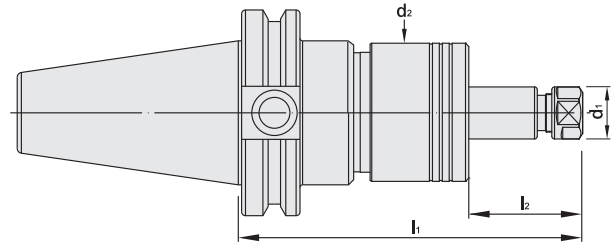
Collet	Nut	Pull Stud	Spanner
P.W-7~10	P.W-47	P.W-62	P.W-68~73



SCAT / STA SYNCHRONIZED TAPPING HOLDER



SCAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
43.795.11E.140	SCAT40 x STA11E - 140	140	70	19	42	SCAT40 x STA1	STA1 - ER11A - 70	1.48
43.795.16E.095	SCAT40 x STA16E - 95	95	25	28	42	SCAT40 x STA1	STA1 - ER16A - 25	1.22
43.795.16E.140	SCAT40 x STA16E - 140	140	70	28	42	SCAT40 x STA1	STA1 - ER16A - 70	1.42
43.795.16E.220	SCAT40 x STA16E - 220	220	150	28	42	SCAT40 x STA1	STA1 - ER16A - 150	1.75
43.795.20E.104	SCAT40 x STA20E - 104	104	34	34	42	SCAT40 x STA1	STA1 - ER20A - 34	1.26
43.795.20E.140	SCAT40 x STA20E - 140	140	70	34	42	SCAT40 x STA1	STA1 - ER20A - 70	1.42
43.795.32E.130	SCAT40 x STA32E - 130	130	40	50	58	SCAT40 x STA2	STA2 - ER32 - 40	1.89
43.795.32E.160	SCAT40 x STA32E - 160	160	70	50	58	SCAT40 x STA2	STA2 - ER32 - 70	2.12
44.795.11E.140	SCAT50 x STA11E - 140	140	70	19	42	SCAT50 x STA1	STA1 - ER11A - 70	3.48
44.795.16E.095	SCAT50 x STA16E - 95	95	25	28	42	SCAT50 x STA1	STA1 - ER16A - 25	3.22
44.795.16E.140	SCAT50 x STA16E - 140	140	70	28	42	SCAT50 x STA1	STA1 - ER16A - 70	3.42
44.795.16E.220	SCAT50 x STA16E - 220	220	150	28	42	SCAT50 x STA1	STA1 - ER16A - 150	3.75
44.795.20E.104	SCAT50 x STA20E - 104	104	34	34	42	SCAT50 x STA1	STA1 - ER20A - 34	3.26
44.795.20E.140	SCAT50 x STA20E - 140	140	70	34	42	SCAT50 x STA1	STA1 - ER20A - 70	3.42
44.795.32E.135	SCAT50 x STA32E - 135	135	40	50	58	SCAT50 x STA2	STA2 - ER32 - 40	3.97
44.795.32E.165	SCAT50 x STA32E - 165	165	70	50	58	SCAT50 x STA2	STA2 - ER32 - 70	4.20

Product information:

► AD+B type is available, please inform us when making an order.

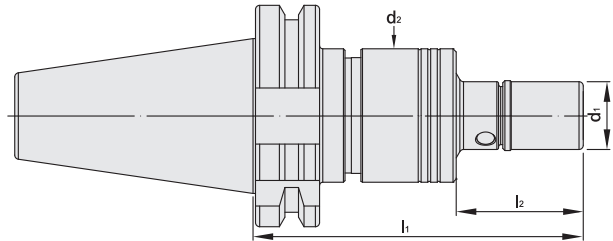
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-62	P.W-68~71

SDAT / STA SYNCHRONIZED TAPPING HOLDER



SDAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
66.795.08T.090	SDAT40 x STA8T - 90	90	30	12	42	SDAT40 x STA1	STA1 - PTER8 - 30	1.13
66.795.08T.130	SDAT40 x STA8T - 130	130	70	12	42	SDAT40 x STA1	STA1 - PTER8 - 70	1.19
66.795.08T.160	SDAT40 x STA8T - 160	160	100	12	42	SDAT40 x STA1	STA1 - PTER8 - 100	1.24
66.795.11T.090	SDAT40 x STA11T - 90	90	30	16	42	SDAT40 x STA1	STA1 - PTER11 - 30	1.58
66.795.11T.130	SDAT40 x STA11T - 130	130	70	16	42	SDAT40 x STA1	STA1 - PTER11 - 70	1.64
66.795.11T.160	SDAT40 x STA11T - 160	160	100	16	42	SDAT40 x STA1	STA1 - PTER11 - 100	1.68
66.795.16T.090	SDAT40 x STA16T - 90	90	30	22	42	SDAT40 x STA1	STA1 - PTER16 - 30	1.59
66.795.16T.130	SDAT40 x STA16T - 130	130	70	22	42	SDAT40 x STA1	STA1 - PTER16 - 70	1.65
66.795.16T.160	SDAT40 x STA16T - 160	160	100	22	42	SDAT40 x STA1	STA1 - PTER16 - 100	1.69
66.795.20T.090	SDAT40 x STA20T - 90	90	30	28	42	SDAT40 x STA1	STA1 - PTER20 - 30	1.56
66.795.20T.130	SDAT40 x STA20T - 130	130	70	28	42	SDAT40 x STA1	STA1 - PTER20 - 70	1.83
66.795.20T.160	SDAT40 x STA20T - 160	160	100	28	42	SDAT40 x STA1	STA1 - PTER20 - 100	1.99
66.795.25T.120	SDAT40 x STA25T - 120	120	30	35	58	SDAT40 x STA2	STA2 - PTER25 - 30	2.05
66.795.25T.160	SDAT40 x STA25T - 160	160	70	35	58	SDAT40 x STA2	STA2 - PTER25 - 70	2.32
66.795.25T.190	SDAT40 x STA25T - 190	190	100	35	58	SDAT40 x STA2	STA2 - PTER25 - 100	2.48
67.795.08T.100	SDAT50 x STA8T - 100	100	30	12	42	SDAT50 x STA1	STA1 - PTER8 - 30	2.85
67.795.08T.140	SDAT50 x STA8T - 140	140	70	12	42	SDAT50 x STA1	STA1 - PTER8 - 70	2.91
67.795.08T.170	SDAT50 x STA8T - 170	170	100	12	42	SDAT50 x STA1	STA1 - PTER8 - 100	2.96
67.795.11T.100	SDAT50 x STA11T - 100	100	30	16	42	SDAT50 x STA1	STA1 - PTER11 - 30	3.30
67.795.11T.140	SDAT50 x STA11T - 140	140	70	16	42	SDAT50 x STA1	STA1 - PTER11 - 70	3.36
67.795.11T.170	SDAT50 x STA11T - 170	170	100	16	42	SDAT50 x STA1	STA1 - PTER11 - 100	3.40
67.795.16T.100	SDAT50 x STA16T - 100	100	30	22	42	SDAT50 x STA1	STA1 - PTER16 - 30	3.31
67.795.16T.140	SDAT50 x STA16T - 140	140	70	22	42	SDAT50 x STA1	STA1 - PTER16 - 70	3.37
67.795.16T.170	SDAT50 x STA16T - 170	170	100	22	42	SDAT50 x STA1	STA1 - PTER16 - 100	3.41
67.795.20T.100	SDAT50 x STA20T - 100	100	30	28	42	SDAT50 x STA1	STA1 - PTER20 - 30	3.28
67.795.20T.140	SDAT50 x STA20T - 140	140	70	28	42	SDAT50 x STA1	STA1 - PTER20 - 70	3.55
67.795.20T.170	SDAT50 x STA20T - 170	170	100	28	42	SDAT50 x STA1	STA1 - PTER20 - 100	3.71
67.795.25T.110	SDAT50 x STA25T - 110	110	30	35	58	SDAT50 x STA2	STA2 - PTER25 - 30	3.66
67.795.25T.150	SDAT50 x STA25T - 150	150	70	35	58	SDAT50 x STA2	STA2 - PTER25 - 70	3.93
67.795.25T.180	SDAT50 x STA25T - 180	180	100	35	58	SDAT50 x STA2	STA2 - PTER25 - 100	4.09

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

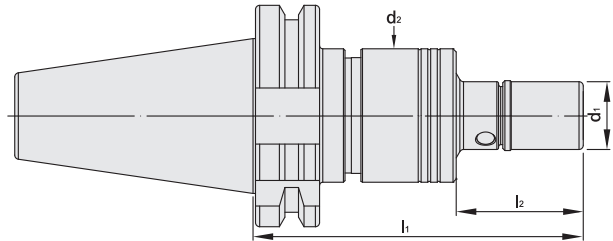
Collet	Nut	Pull Stud	Spanner
P.W-5	P.W-47	P.W-63	P.W-68~73



SDAT / STA SYNCHRONIZED TAPPING HOLDER



SDAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
66.795.16U.100	SDAT40 x STA16U - 100	100	30	30	42	SDAT40 x STA1	STA1 - UT16 - 30	1.16
66.795.16U.140	SDAT40 x STA16U - 140	140	70	30	42	SDAT40 x STA1	STA1 - UT16 - 70	1.31
66.795.16U.170	SDAT40 x STA16U - 170	170	100	30	42	SDAT40 x STA1	STA1 - UT16 - 100	1.51
66.795.20U.120	SDAT40 x STA20U - 120	120	30	36	58	SDAT40 x STA2	STA2 - UT20 - 30	1.80
66.795.20U.160	SDAT40 x STA20U - 160	160	70	36	58	SDAT40 x STA2	STA2 - UT20 - 70	2.00
66.795.20U.190	SDAT40 x STA20U - 190	190	100	36	58	SDAT40 x STA2	STA2 - UT20 - 100	2.13
66.795.25U.125	SDAT40 x STA25U - 125	125	35	42	58	SDAT40 x STA2	STA2 - UT25 - 35	1.80
66.795.25U.175	SDAT40 x STA25U - 175	175	85	42	58	SDAT40 x STA2	STA2 - UT25 - 85	2.15
66.795.25U.205	SDAT40 x STA25U - 205	205	115	42	58	SDAT40 x STA2	STA2 - UT25 - 115	2.40
66.795.32U.140	SDAT40 x STA32U - 140	140	50	48	58	SDAT40 x STA2	STA2 - UT32 - 50	1.85
66.795.32U.175	SDAT40 x STA32U - 175	175	85	48	58	SDAT40 x STA2	STA2 - UT32 - 85	2.10
66.795.32U.205	SDAT40 x STA32U - 205	205	115	48	58	SDAT40 x STA2	STA2 - UT32 - 115	2.30
67.795.16U.090	SDAT50 x STA16U - 90	90	30	30	42	SDAT50 x STA1	STA1 - UT16 - 30	2.88
67.795.16U.130	SDAT50 x STA16U - 130	130	70	30	42	SDAT50 x STA1	STA1 - UT16 - 70	3.03
67.795.16U.160	SDAT50 x STA16U - 160	160	100	30	42	SDAT50 x STA1	STA1 - UT16 - 100	3.23
67.795.20U.110	SDAT50 x STA20U - 110	110	30	36	58	SDAT50 x STA2	STA2 - UT20 - 30	3.41
67.795.20U.150	SDAT50 x STA20U - 150	150	70	36	58	SDAT50 x STA2	STA2 - UT20 - 70	3.61
67.795.20U.180	SDAT50 x STA20U - 180	180	100	36	58	SDAT50 x STA2	STA2 - UT20 - 100	3.74
67.795.25U.115	SDAT50 x STA25U - 115	115	35	42	58	SDAT50 x STA2	STA2 - UT25 - 35	3.41
67.795.25U.165	SDAT50 x STA25U - 165	165	85	42	58	SDAT50 x STA2	STA2 - UT25 - 85	3.76
67.795.25U.195	SDAT50 x STA25U - 195	195	115	42	58	SDAT50 x STA2	STA2 - UT25 - 115	4.01
67.795.32U.130	SDAT50 x STA32U - 130	130	50	48	58	SDAT50 x STA2	STA2 - UT32 - 50	3.46
67.795.32U.165	SDAT50 x STA32U - 165	165	85	48	58	SDAT50 x STA2	STA2 - UT32 - 85	3.71
67.795.32U.195	SDAT50 x STA32U - 195	195	115	48	58	SDAT50 x STA2	STA2 - UT32 - 115	3.91

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

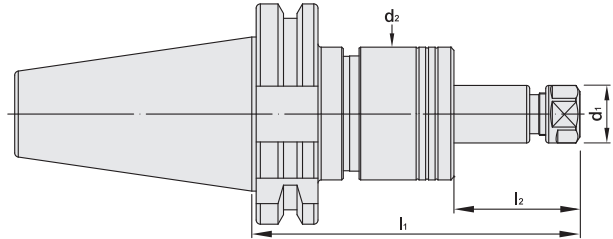
Collet	Nut	Pull Stud	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-68~73



SDAT / STA SYNCHRONIZED TAPPING HOLDER



SDAT / STA 法蘭加厚型同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
66.795.11E.130	SDAT40 x STA11E - 130	130	70	19	42	SDAT40 x STA1	STA1 - ER11A - 70	1.37
66.795.16E.085	SDAT40 x STA16E - 85	85	25	28	42	SDAT40 x STA1	STA1 - ER16A - 25	1.11
66.795.16E.130	SDAT40 x STA16E - 130	130	70	28	42	SDAT40 x STA1	STA1 - ER16A - 70	1.31
66.795.16E.210	SDAT40 x STA16E - 210	210	150	28	58	SDAT40 x STA2	STA1 - ER16A - 150	2.13
66.795.20E.094	SDAT40 x STA20E - 94	94	34	34	58	SDAT40 x STA2	STA1 - ER20A - 34	1.64
66.795.20E.130	SDAT40 x STA20E - 130	130	70	34	58	SDAT40 x STA2	STA1 - ER20A - 70	1.80
66.795.32E.130	SDAT40 x STA32E - 130	130	40	50	58	SDAT40 x STA2	STA2 - ER32 - 40	1.94
66.795.32E.160	SDAT40 x STA32E - 160	160	70	50	58	SDAT40 x STA2	STA2 - ER32 - 70	2.17
67.795.11E.130	SDAT50 x STA11E - 130	130	70	19	58	SDAT40 x STA2	STA1 - ER11A - 70	1.86
67.795.16E.085	SDAT50 x STA16E - 85	85	25	28	58	SDAT40 x STA2	STA1 - ER16A - 25	1.60
67.795.16E.130	SDAT50 x STA16E - 130	130	70	28	58	SDAT40 x STA2	STA1 - ER16A - 70	1.80
67.795.16E.210	SDAT50 x STA16E - 210	210	150	28	58	SDAT40 x STA2	STA1 - ER16A - 150	2.13
67.795.20E.094	SDAT50 x STA20E - 94	94	34	34	42	SDAT50 x STA1	STA1 - ER20A - 34	2.87
67.795.20E.130	SDAT50 x STA20E - 130	130	70	34	42	SDAT50 x STA1	STA1 - ER20A - 70	3.03
67.795.32E.120	SDAT50 x STA32E - 120	120	40	50	42	SDAT50 x STA1	STA2 - ER32 - 40	3.17
67.795.32E.150	SDAT50 x STA32E - 150	150	70	50	58	SDAT50 x STA2	STA2 - ER32 - 70	3.78

Product information:

► AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

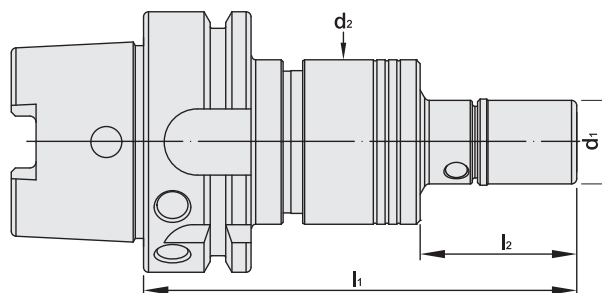
Collet	Nut	Pull Stud	Spanner
P.W-7~28	P.W-48	P.W-63	P.W-68~71



HSK / STA SYNCHRONIZED TAPPING HOLDER



HSK / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
71.795.08T.100	HSK40A x STA8T - 100	100	30	12	42	HSK40A x STA1	STA1 - PTER8 - 30	1.22
71.795.08T.140	HSK40A x STA8T - 140	140	70	12	42	HSK40A x STA1	STA1 - PTER8 - 70	1.28
71.795.08T.170	HSK40A x STA8T - 170	170	100	12	42	HSK40A x STA1	STA1 - PTER8 - 100	1.33
71.795.11T.100	HSK40A x STA11T - 100	100	30	16	42	HSK40A x STA1	STA1 - PTER11 - 30	1.67
71.795.11T.140	HSK40A x STA11T - 140	140	70	16	42	HSK40A x STA1	STA1 - PTER11 - 70	1.73
71.795.11T.170	HSK40A x STA11T - 170	170	100	16	42	HSK40A x STA1	STA1 - PTER11 - 100	1.77
71.795.16T.100	HSK40A x STA16T - 100	100	30	22	42	HSK40A x STA1	STA1 - PTER16 - 30	1.68
71.795.16T.140	HSK40A x STA16T - 140	140	70	22	42	HSK40A x STA1	STA1 - PTER16 - 70	1.74
71.795.16T.170	HSK40A x STA16T - 170	170	100	22	42	HSK40A x STA1	STA1 - PTER16 - 100	1.78
71.795.20T.100	HSK40A x STA20T - 100	100	30	28	42	HSK40A x STA1	STA1 - PTER20 - 30	1.65
71.795.20T.140	HSK40A x STA20T - 140	140	70	28	42	HSK40A x STA1	STA1 - PTER20 - 70	1.92
71.795.20T.170	HSK40A x STA20T - 170	170	100	28	42	HSK40A x STA1	STA1 - PTER20 - 100	2.08
72.795.08T.100	HSK50A x STA8T - 100	100	30	12	42	HSK50A x STA1	STA1 - PTER8 - 30	1.43
72.795.08T.140	HSK50A x STA8T - 140	140	70	12	42	HSK50A x STA1	STA1 - PTER8 - 70	1.49
72.795.08T.170	HSK50A x STA8T - 170	170	100	12	42	HSK50A x STA1	STA1 - PTER8 - 100	1.54
72.795.11T.100	HSK50A x STA11T - 100	100	30	16	42	HSK50A x STA1	STA1 - PTER11 - 30	1.88
72.795.11T.140	HSK50A x STA11T - 140	140	70	16	42	HSK50A x STA1	STA1 - PTER11 - 70	1.94
72.795.11T.170	HSK50A x STA11T - 170	170	100	16	42	HSK50A x STA1	STA1 - PTER11 - 100	1.98
72.795.16T.100	HSK50A x STA16T - 100	100	30	22	42	HSK50A x STA1	STA1 - PTER16 - 30	1.89
72.795.16T.140	HSK50A x STA16T - 140	140	70	22	42	HSK50A x STA1	STA1 - PTER16 - 70	1.95
72.795.16T.170	HSK50A x STA16T - 170	170	100	22	42	HSK50A x STA1	STA1 - PTER16 - 100	1.99
72.795.20T.100	HSK50A x STA20T - 100	100	30	28	42	HSK50A x STA1	STA1 - PTER20 - 30	1.86
72.795.20T.140	HSK50A x STA20T - 140	140	70	28	42	HSK50A x STA1	STA1 - PTER20 - 70	2.13
72.795.20T.170	HSK50A x STA20T - 170	170	100	28	42	HSK50A x STA1	STA1 - PTER20 - 100	2.29
73.795.08T.110	HSK63A x STA8T - 110	110	30	12	42	HSK63A x STA1	STA1 - PTER8 - 30	1.43
73.795.08T.150	HSK63A x STA8T - 150	150	70	12	42	HSK63A x STA1	STA1 - PTER8 - 70	1.49
73.795.08T.180	HSK63A x STA8T - 180	180	100	12	42	HSK63A x STA1	STA1 - PTER8 - 100	1.54
73.795.11T.110	HSK63A x STA11T - 110	110	30	16	42	HSK63A x STA1	STA1 - PTER11 - 30	1.88
73.795.11T.150	HSK63A x STA11T - 150	150	70	16	42	HSK63A x STA1	STA1 - PTER11 - 70	1.94
73.795.11T.180	HSK63A x STA11T - 180	180	100	16	42	HSK63A x STA1	STA1 - PTER11 - 100	1.98
73.795.16T.110	HSK63A x STA16T - 110	110	30	22	42	HSK63A x STA1	STA1 - PTER16 - 30	1.89
73.795.16T.150	HSK63A x STA16T - 150	150	70	22	42	HSK63A x STA1	STA1 - PTER16 - 70	1.95
73.795.16T.180	HSK63A x STA16T - 180	180	100	22	42	HSK63A x STA1	STA1 - PTER16 - 100	1.99
73.795.20T.110	HSK63A x STA20T - 110	110	30	28	42	HSK63A x STA1	STA1 - PTER20 - 30	1.86
73.795.20T.150	HSK63A x STA20T - 150	150	70	28	42	HSK63A x STA1	STA1 - PTER20 - 70	2.13
73.795.20T.180	HSK63A x STA20T - 180	180	100	28	42	HSK63A x STA1	STA1 - PTER20 - 100	2.29

Standard Accessory: • NUT

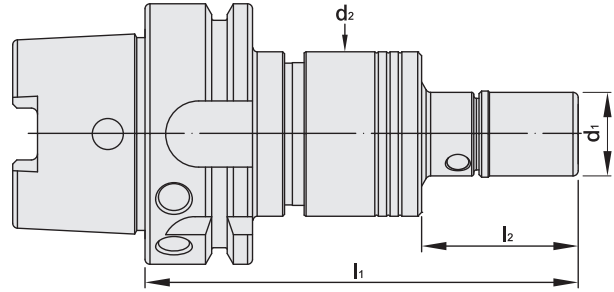
Collet	Nut	Coolant Supply Unit	Key	Spanner
P.W-5	P.W-47	P.W-66	P.W-66	P.W-68~73



HSK / STA SYNCHRONIZED TAPPING HOLDER



HSK / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
74.795.08T.110	HSK80A x STA8T - 110	110	30	12	42	HSK80A x STA1	STA1 - PTER8 - 30	2.10
74.795.08T.150	HSK80A x STA8T - 150	150	70	12	42	HSK80A x STA1	STA1 - PTER8 - 70	2.16
74.795.08T.180	HSK80A x STA8T - 180	180	100	12	42	HSK80A x STA1	STA1 - PTER8 - 100	2.21
74.795.11T.110	HSK80A x STA11T - 110	110	30	16	42	HSK80A x STA1	STA1 - PTER11 - 30	2.55
74.795.11T.150	HSK80A x STA11T - 150	150	70	16	42	HSK80A x STA1	STA1 - PTER11 - 70	2.61
74.795.11T.180	HSK80A x STA11T - 180	180	100	16	42	HSK80A x STA1	STA1 - PTER11 - 100	2.65
74.795.16T.110	HSK80A x STA16T - 110	110	30	22	42	HSK80A x STA1	STA1 - PTER16 - 30	2.56
74.795.16T.150	HSK80A x STA16T - 150	150	70	22	42	HSK80A x STA1	STA1 - PTER16 - 70	2.62
74.795.16T.180	HSK80A x STA16T - 180	180	100	22	42	HSK80A x STA1	STA1 - PTER16 - 100	2.66
74.795.20T.110	HSK80A x STA20T - 110	110	30	28	42	HSK80A x STA1	STA1 - PTER20 - 30	2.53
74.795.20T.150	HSK80A x STA20T - 150	150	70	28	42	HSK80A x STA1	STA1 - PTER20 - 70	2.80
74.795.20T.180	HSK80A x STA20T - 180	180	100	28	42	HSK80A x STA1	STA1 - PTER20 - 100	2.96
74.795.25T.125	HSK80A x STA25T - 125	125	30	35	58	HSK80A x STA2	STA2 - PTER25 - 30	3.35
74.795.25T.165	HSK80A x STA25T - 165	165	70	35	58	HSK80A x STA2	STA2 - PTER25 - 70	3.62
74.795.25T.195	HSK80A x STA25T - 195	195	100	35	58	HSK80A x STA2	STA2 - PTER25 - 100	3.78
75.795.08T.110	HSK100A x STA8T - 110	110	30	12	42	HSK100A x STA1	STA1 - PTER8 - 30	2.90
75.795.08T.150	HSK100A x STA8T - 150	150	70	12	42	HSK100A x STA1	STA1 - PTER8 - 70	2.96
75.795.08T.180	HSK100A x STA8T - 180	180	100	12	42	HSK100A x STA1	STA1 - PTER8 - 100	3.01
75.795.11T.110	HSK100A x STA11T - 110	110	30	16	42	HSK100A x STA1	STA1 - PTER11 - 30	3.35
75.795.11T.150	HSK100A x STA11T - 150	150	70	16	42	HSK100A x STA1	STA1 - PTER11 - 70	3.41
75.795.11T.180	HSK100A x STA11T - 180	180	100	16	42	HSK100A x STA1	STA1 - PTER11 - 100	3.45
75.795.16T.110	HSK100A x STA16T - 110	110	30	22	42	HSK100A x STA1	STA1 - PTER16 - 30	3.36
75.795.16T.150	HSK100A x STA16T - 150	150	70	22	42	HSK100A x STA1	STA1 - PTER16 - 70	3.42
75.795.16T.180	HSK100A x STA16T - 180	180	100	22	42	HSK100A x STA1	STA1 - PTER16 - 100	3.46
75.795.20T.110	HSK100A x STA20T - 110	110	30	28	42	HSK100A x STA1	STA1 - PTER20 - 30	3.33
75.795.20T.150	HSK100A x STA20T - 150	150	70	28	42	HSK100A x STA1	STA1 - PTER20 - 70	3.60
75.795.20T.180	HSK100A x STA20T - 180	180	100	28	42	HSK100A x STA1	STA1 - PTER20 - 100	3.76
75.795.25T.125	HSK100A x STA25T - 125	125	30	35	58	HSK100A x STA2	STA2 - PTER25 - 30	4.15
75.795.25T.165	HSK100A x STA25T - 165	165	70	35	58	HSK100A x STA2	STA2 - PTER25 - 70	4.42
75.795.25T.195	HSK100A x STA25T - 195	195	100	35	58	HSK100A x STA2	STA2 - PTER25 - 100	4.58

Standard Accessory: • NUT

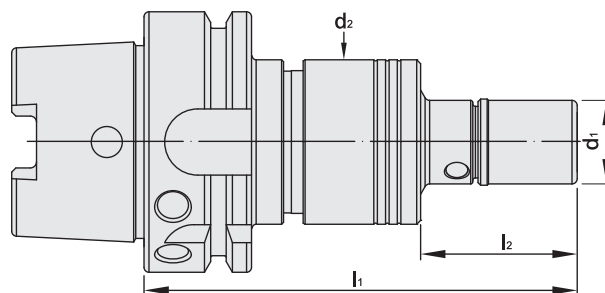
Collet	Nut	Coolant Supply Unit	Key	Spanner
P.W-5	P.W-47	P.W-66	P.W-66	P.W-68~73



HSK / STA SYNCHRONIZED TAPPING HOLDER



HSK / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
71.795.16U.100	HSK40A x STA16U - 100	100	30	30	42	HSK40A x STA1	STA1 - UT16 - 30	1.25
71.795.16U.140	HSK40A x STA16U - 140	140	70	30	42	HSK40A x STA1	STA1 - UT16 - 70	1.40
71.795.16U.170	HSK40A x STA16U - 170	170	100	30	42	HSK40A x STA1	STA1 - UT16 - 100	1.60
72.795.16U.100	HSK50A x STA16U - 100	100	30	30	42	HSK50A x STA1	STA1 - UT16 - 30	1.46
72.795.16U.140	HSK50A x STA16U - 140	140	70	30	42	HSK50A x STA1	STA1 - UT16 - 70	1.61
72.795.16U.170	HSK50A x STA16U - 170	170	100	30	42	HSK50A x STA1	STA1 - UT16 - 100	1.81
73.795.16U.120	HSK63A x STA16U - 120	120	30	30	42	HSK63A x STA1	STA1 - UT16 - 30	1.75
73.795.16U.160	HSK63A x STA16U - 160	160	70	30	42	HSK63A x STA1	STA1 - UT16 - 70	1.90
73.795.16U.190	HSK63A x STA16U - 190	190	100	30	42	HSK63A x STA1	STA1 - UT16 - 100	2.10
74.795.16U.110	HSK80A x STA16U - 110	110	30	30	58	HSK80A x STA1	STA1 - UT16 - 30	2.13
74.795.16U.150	HSK80A x STA16U - 150	150	70	30	58	HSK80A x STA1	STA1 - UT16 - 70	2.28
74.795.16U.180	HSK80A x STA16U - 180	180	100	30	58	HSK80A x STA1	STA1 - UT16 - 100	2.48
74.795.20U.125	HSK80A x STA20U - 125	125	30	36	58	HSK80A x STA2	STA2 - UT20 - 30	3.10
74.795.20U.165	HSK80A x STA20U - 165	165	70	36	58	HSK80A x STA2	STA2 - UT20 - 70	3.30
74.795.20U.195	HSK80A x STA20U - 195	195	100	36	58	HSK80A x STA2	STA2 - UT20 - 100	3.43
74.795.25U.130	HSK80A x STA25U - 130	130	35	42	58	HSK80A x STA2	STA2 - UT25 - 35	3.10
74.795.25U.180	HSK80A x STA25U - 180	180	85	42	58	HSK80A x STA2	STA2 - UT25 - 85	3.45
74.795.25U.210	HSK80A x STA25U - 210	210	115	42	58	HSK80A x STA2	STA2 - UT25 - 115	3.70
74.795.32U.145	HSK80A x STA32U - 145	145	50	48	58	HSK80A x STA2	STA2 - UT32 - 50	3.15
74.795.32U.180	HSK80A x STA32U - 180	180	85	48	58	HSK80A x STA2	STA2 - UT32 - 85	3.40
74.795.32U.210	HSK80A x STA32U - 210	210	115	48	58	HSK80A x STA2	STA2 - UT32 - 115	3.60
75.795.16U.110	HSK100A x STA16U - 110	110	30	30	42	HSK100A x STA1	STA1 - UT16 - 30	2.93
75.795.16U.150	HSK100A x STA16U - 150	150	70	30	42	HSK100A x STA1	STA1 - UT16 - 70	3.08
75.795.16U.180	HSK100A x STA16U - 180	180	100	30	42	HSK100A x STA1	STA1 - UT16 - 100	3.28
75.795.20U.125	HSK100A x STA20U - 125	125	30	36	58	HSK100A x STA2	STA2 - UT20 - 30	3.90
75.795.20U.165	HSK100A x STA20U - 165	165	70	36	58	HSK100A x STA2	STA2 - UT20 - 70	4.10
75.795.20U.195	HSK100A x STA20U - 195	195	100	36	58	HSK100A x STA2	STA2 - UT20 - 100	4.23
75.795.25U.130	HSK100A x STA25U - 130	130	35	42	58	HSK100A x STA2	STA2 - UT25 - 35	3.90
75.795.25U.180	HSK100A x STA25U - 180	180	85	42	58	HSK100A x STA2	STA2 - UT25 - 85	4.25
75.795.25U.210	HSK100A x STA25U - 210	210	115	42	58	HSK100A x STA2	STA2 - UT25 - 115	4.50
75.795.32U.145	HSK100A x STA32U - 145	145	50	48	58	HSK100A x STA2	STA2 - UT32 - 50	3.95
75.795.32U.180	HSK100A x STA32U - 180	180	85	48	58	HSK100A x STA2	STA2 - UT32 - 85	4.20
75.795.32U.210	HSK100A x STA32U - 210	210	115	48	58	HSK100A x STA2	STA2 - UT32 - 115	4.40

Standard Accessory: • NUT

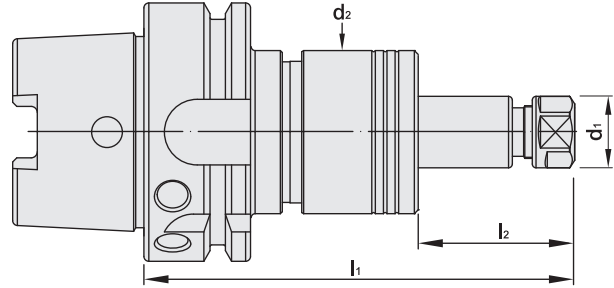
Collet	Nut	Coolant Supply Unit	Key	Spanner
P.W-7~10	P.W-47	P.W-66	P.W-66	P.W-68~73



HSK / STA SYNCHRONIZED TAPPING HOLDER



HSK / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
71.795.11E.140	HSK40A x STA11E - 140	140	70	19	42	HSK40A x STA1	STA1 - ER11A - 70	1.46
71.795.16E.095	HSK40A x STA16E - 95	95	25	28	42	HSK40A x STA1	STA1 - ER16A - 25	1.20
71.795.16E.140	HSK40A x STA16E - 140	140	70	28	42	HSK40A x STA1	STA1 - ER16A - 70	1.40
71.795.16E.220	HSK40A x STA16E - 220	220	150	28	42	HSK40A x STA1	STA1 - ER16A - 150	1.73
71.795.20E.104	HSK40A x STA20E - 104	104	34	34	42	HSK40A x STA1	STA1 - ER20A - 34	1.24
71.795.20E.140	HSK40A x STA20E - 140	140	70	34	42	HSK40A x STA1	STA1 - ER20A - 70	1.40
72.795.11E.140	HSK50A x STA11E - 140	140	70	19	42	HSK50A x STA1	STA1 - ER11A - 70	1.67
72.795.16E.095	HSK50A x STA16E - 95	95	25	28	42	HSK50A x STA1	STA1 - ER16A - 25	1.41
72.795.16E.140	HSK50A x STA16E - 140	140	70	28	42	HSK50A x STA1	STA1 - ER16A - 70	1.61
72.795.16E.220	HSK50A x STA16E - 220	220	150	28	42	HSK50A x STA1	STA1 - ER16A - 150	1.94
72.795.20E.104	HSK50A x STA20E - 104	104	34	34	42	HSK50A x STA1	STA1 - ER20A - 34	1.45
72.795.20E.140	HSK50A x STA20E - 140	140	70	34	42	HSK50A x STA1	STA1 - ER20A - 70	1.61
73795.11E.150	HSK63A x STA11E - 150	150	70	19	42	HSK63A x STA1	STA1 - ER11A - 70	1.96
73.795.16E.105	HSK63A x STA16E - 105	105	25	28	42	HSK63A x STA1	STA1 - ER16A - 25	1.70
73.795.16E.150	HSK63A x STA16E - 150	150	70	28	42	HSK63A x STA1	STA1 - ER16A - 70	1.90
73.795.16E.230	HSK63A x STA16E - 230	230	150	28	42	HSK63A x STA1	STA1 - ER16A - 150	2.23
73.795.20E.114	HSK63A x STA20E - 114	114	34	34	42	HSK63A x STA1	STA1 - ER20A - 34	1.74
73.795.20E.150	HSK63A x STA20E - 150	150	70	34	42	HSK63A x STA1	STA1 - ER20A - 70	1.90
74.795.11E.150	HSK80A x STA11E - 150	150	70	19	42	HSK80A x STA1	STA1 - ER11A - 70	2.34
74.795.16E.115	HSK80A x STA16E - 115	115	25	28	42	HSK80A x STA1	STA1 - ER16A - 25	2.08
74.795.16E.150	HSK80A x STA16E - 150	150	70	28	42	HSK80A x STA1	STA1 - ER16A - 70	2.28
74.795.16E.230	HSK80A x STA16E - 230	230	150	28	42	HSK80A x STA1	STA1 - ER16A - 150	2.61
74.795.20E.114	HSK80A x STA20E - 114	114	34	34	42	HSK80A x STA1	STA1 - ER20A - 34	2.12
74.795.20E.150	HSK80A x STA20E - 150	150	70	34	42	HSK80A x STA1	STA1 - ER20A - 70	2.28
74.795.32E.135	HSK80A x STA32E - 135	135	40	50	58	HSK80A x STA2	STA2 - ER32 - 40	3.24
74.795.32E.165	HSK80A x STA32E - 165	165	70	50	58	HSK80A x STA2	STA2 - ER32 - 70	3.47
75.795.11E.150	HSK100A x STA11E - 150	150	70	19	42	HSK100A x STA1	STA1 - ER11A - 70	3.14
75.795.16E.115	HSK100A x STA16E - 115	115	25	28	42	HSK100A x STA1	STA1 - ER16A - 25	2.88
75.795.16E.150	HSK100A x STA16E - 150	150	70	28	42	HSK100A x STA1	STA1 - ER16A - 70	3.08
75.795.16E.220	HSK100A x STA16E - 220	220	150	28	42	HSK100A x STA1	STA1 - ER16A - 150	3.41
75.795.20E.114	HSK100A x STA20E - 114	114	34	34	42	HSK100A x STA1	STA1 - ER20A - 34	2.92
75.795.20E.150	HSK100A x STA20E - 150	150	70	34	42	HSK100A x STA1	STA1 - ER20A - 70	3.08
75.795.32E.135	HSK100A x STA32E - 135	135	40	50	58	HSK100A x STA2	STA2 - ER32 - 40	4.04
75.795.32E.165	HSK100A x STA32E - 165	165	70	50	58	HSK100A x STA2	STA2 - ER32 - 70	4.27

Standard Accessory: • NUT

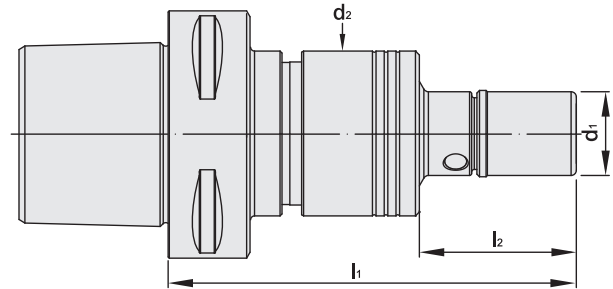
Collet	Nut	Coolant Supply Unit	Key	Spanner
P.W-7~28	P.W-48	P.W-66	P.W-66	P.W-68~71



PSC / STA SYNCHRONIZED TAPPING HOLDER



PSC / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
142.795.08T.110	PSC50 x STA8T - 110	110	30	12	42	PSC50 x STA1	STA1 - PTER8 - 30	1.55
142.795.08T.150	PSC50 x STA8T - 150	150	70	12	42	PSC50 x STA1	STA1 - PTER8 - 70	1.61
142.795.08T.180	PSC50 x STA8T - 180	180	100	12	42	PSC50 x STA1	STA1 - PTER8 - 100	1.66
142.795.11T.110	PSC50 x STA11T - 110	110	30	16	42	PSC50 x STA1	STA1 - PTER11 - 30	2.00
142.795.11T.150	PSC50 x STA11T - 150	150	70	16	42	PSC50 x STA1	STA1 - PTER11 - 70	2.06
142.795.11T.180	PSC50 x STA11T - 180	180	100	16	42	PSC50 x STA1	STA1 - PTER11 - 100	2.10
142.795.16T.110	PSC50 x STA16T - 110	110	30	22	42	PSC50 x STA1	STA1 - PTER16 - 30	2.01
142.795.16T.150	PSC50 x STA16T - 150	150	70	22	42	PSC50 x STA1	STA1 - PTER16 - 70	2.07
142.795.16T.180	PSC50 x STA16T - 180	180	100	22	42	PSC50 x STA1	STA1 - PTER16 - 100	2.11
142.795.20T.180	PSC50 x STA20T - 110	110	30	28	42	PSC50 x STA1	STA1 - PTER20 - 30	1.98
142.795.20T.150	PSC50 x STA20T - 150	150	70	28	42	PSC50 x STA1	STA1 - PTER20 - 70	2.25
142.795.20T.180	PSC50 x STA20T - 180	180	100	28	42	PSC50 x STA1	STA1 - PTER20 - 100	2.41
143.795.08T.090	PSC63 x STA8T - 90	90	30	12	42	PSC63 x STA1	STA1 - PTER8 - 30	1.67
143.795.08T.130	PSC63 x STA8T - 130	130	70	12	42	PSC63 x STA1	STA1 - PTER8 - 70	1.73
143.795.08T.160	PSC63 x STA8T - 160	160	100	12	42	PSC63 x STA1	STA1 - PTER8 - 100	1.78
143.795.11T.090	PSC63 x STA11T - 90	90	30	16	42	PSC63 x STA1	STA1 - PTER11 - 30	2.12
143.795.11T.130	PSC63 x STA11T - 130	130	70	16	42	PSC63 x STA1	STA1 - PTER11 - 70	2.18
143.795.11T.160	PSC63 x STA11T - 160	160	100	16	42	PSC63 x STA1	STA1 - PTER11 - 100	2.22
143.795.16T.090	PSC63 x STA16T - 90	90	30	22	42	PSC63 x STA1	STA1 - PTER16 - 30	2.13
143.795.16T.130	PSC63 x STA16T - 130	130	70	22	42	PSC63 x STA1	STA1 - PTER16 - 70	2.19
143.795.16T.160	PSC63 x STA16T - 160	160	100	22	42	PSC63 x STA1	STA1 - PTER16 - 100	2.23
143.795.20T.090	PSC63 x STA20T - 90	90	30	28	42	PSC63 x STA1	STA1 - PTER20 - 30	2.10
143.795.20T.130	PSC63 x STA20T - 130	130	70	28	42	PSC63 x STA1	STA1 - PTER20 - 70	2.37
143.795.20T.160	PSC63 x STA20T - 160	160	100	28	42	PSC63 x STA1	STA1 - PTER20 - 100	2.53
143.795.25T.110	PSC63 x STA25T - 110	110	30	35	58	PSC63 x STA2	STA2 - PTER25 - 30	2.76
143.795.25T.150	PSC63 x STA25T - 150	150	70	35	58	PSC63 x STA2	STA2 - PTER25 - 70	3.03
143.795.25T.180	PSC63 x STA25T - 180	180	100	35	58	PSC63 x STA2	STA2 - PTER25 - 100	3.19

Standard Accessory: • NUT

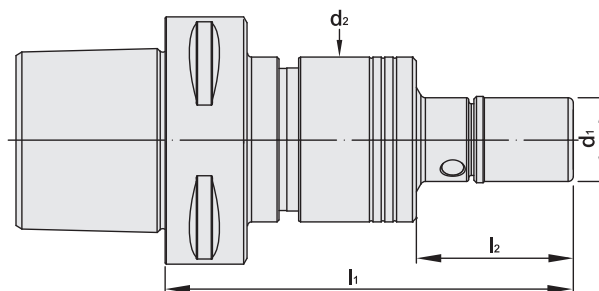
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



PSC / STA SYNCHRONIZED TAPPING HOLDER



PSC / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
144.795.08T.095	PSC80 x STA8T - 95	95	30	12	42	PSC80 x STA1	STA1 - PTER8 - 30	3.09
144.795.08T.135	PSC80 x STA8T - 135	135	70	12	42	PSC80 x STA1	STA1 - PTER8 - 70	3.15
144.795.08T.165	PSC80 x STA8T - 165	165	100	12	42	PSC80 x STA1	STA1 - PTER8 - 100	3.20
144.795.11T.095	PSC80 x STA11T - 95	95	30	16	42	PSC80 x STA1	STA1 - PTER11 - 30	3.54
144.795.11T.135	PSC80 x STA11T - 135	135	70	16	42	PSC80 x STA1	STA1 - PTER11 - 70	3.60
144.795.11T.165	PSC80 x STA11T - 165	165	100	16	42	PSC80 x STA1	STA1 - PTER11 - 100	3.64
144.795.16T.095	PSC80 x STA16T - 95	95	30	22	42	PSC80 x STA1	STA1 - PTER16 - 30	3.55
144.795.16T.135	PSC80 x STA16T - 135	135	70	22	42	PSC80 x STA1	STA1 - PTER16 - 70	3.61
144.795.16T.165	PSC80 x STA16T - 165	165	100	22	42	PSC80 x STA1	STA1 - PTER16 - 100	3.65
144.795.20T.095	PSC80 x STA20T - 95	95	30	28	42	PSC80 x STA1	STA1 - PTER20 - 30	3.52
144.795.20T.135	PSC80 x STA20T - 135	135	70	28	42	PSC80 x STA1	STA1 - PTER20 - 70	3.79
144.795.20T.165	PSC80 x STA20T - 165	165	100	28	42	PSC80 x STA1	STA1 - PTER20 - 100	3.95
144.795.25T.115	PSC80 x STA25T - 115	115	30	35	58	PSC80 x STA2	STA2 - PTER25 - 30	3.66
144.795.25T.155	PSC80 x STA25T - 155	155	70	35	58	PSC80 x STA2	STA2 - PTER25 - 70	3.93
144.795.25T.185	PSC80 x STA25T - 185	185	100	35	58	PSC80 x STA2	STA2 - PTER25 - 100	4.09

Standard Accessory: • NUT

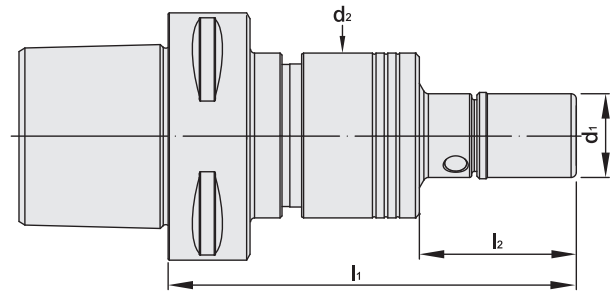
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



PSC / STA SYNCHRONIZED TAPPING HOLDER



PSC / STA 同步補償攻牙刀桿



T W PAT NO. M520427
J P PAT NO. 3203456
D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
142.795.16U.110	PSC50 x STA16U - 110	110	30	30	42	PSC50 x STA1	STA1 - UT16 - 30	1.58
142.795.16U.150	PSC50 x STA16U - 150	150	70	30	42	PSC50 x STA1	STA1 - UT16 - 70	1.73
142.795.16U.180	PSC50 x STA16U - 180	180	100	30	42	PSC50 x STA1	STA1 - UT16 - 100	1.93
143.795.16U.090	PSC63 x STA16U - 90	90	30	30	42	PSC63 x STA1	STA1 - UT16 - 30	1.70
143.795.16U.130	PSC63 x STA16U - 130	130	70	30	42	PSC63 x STA1	STA1 - UT16 - 70	1.85
143.795.16U.160	PSC63 x STA16U - 160	160	100	30	42	PSC63 x STA1	STA1 - UT16 - 100	2.05
143.795.20U.110	PSC63 x STA20U - 110	110	30	36	58	PSC63 x STA2	STA2 - UT20 - 30	2.51
143.795.20U.150	PSC63 x STA20U - 150	150	70	36	58	PSC63 x STA2	STA2 - UT20 - 70	2.71
143.795.20U.180	PSC63 x STA20U - 180	180	100	36	58	PSC63 x STA2	STA2 - UT20 - 100	2.84
143.795.25U.115	PSC63 x STA25U - 115	115	35	42	58	PSC63 x STA2	STA2 - UT25 - 35	2.51
143.795.25U.165	PSC63 x STA25U - 165	165	85	42	58	PSC63 x STA2	STA2 - UT25 - 85	2.86
143.795.25U.195	PSC63 x STA25U - 195	195	115	42	58	PSC63 x STA2	STA2 - UT25 - 115	3.11
143.795.32U.130	PSC63 x STA32U - 130	130	50	48	58	PSC63 x STA2	STA2 - UT32 - 50	2.56
143.795.32U.165	PSC63 x STA32U - 165	165	85	48	58	PSC63 x STA2	STA2 - UT32 - 85	2.81
143.795.32U.195	PSC63 x STA32U - 195	195	115	48	58	PSC63 x STA2	STA2 - UT32 - 115	3.01
144.795.16U.095	PSC80 x STA16U - 95	95	30	30	42	PSC80 x STA1	STA1 - UT16 - 30	3.12
144.795.16U.135	PSC80 x STA16U - 135	135	70	30	42	PSC80 x STA1	STA1 - UT16 - 70	3.27
144.795.16U.165	PSC80 x STA16U - 165	165	100	30	42	PSC80 x STA1	STA1 - UT16 - 100	3.47
144.795.20U.115	PSC80 x STA20U - 115	115	30	36	58	PSC80 x STA2	STA2 - UT20 - 30	3.41
144.795.20U.155	PSC80 x STA20U - 155	155	70	36	58	PSC80 x STA2	STA2 - UT20 - 70	3.61
144.795.20U.185	PSC80 x STA20U - 185	185	100	36	58	PSC80 x STA2	STA2 - UT20 - 100	3.74
144.795.25U.120	PSC80 x STA25U - 120	120	35	42	58	PSC80 x STA2	STA2 - UT25 - 35	3.41
144.795.25U.170	PSC80 x STA25U - 170	170	85	42	58	PSC80 x STA2	STA2 - UT25 - 85	3.76
144.795.25U.200	PSC80 x STA25U - 200	200	115	42	58	PSC80 x STA2	STA2 - UT25 - 115	4.01
144.795.32U.135	PSC80 x STA32U - 135	135	50	48	58	PSC80 x STA2	STA2 - UT32 - 50	3.46
144.795.32U.170	PSC80 x STA32U - 170	170	85	48	58	PSC80 x STA2	STA2 - UT32 - 85	3.71
144.795.32U.200	PSC80 x STA32U - 200	200	115	48	58	PSC80 x STA2	STA2 - UT32 - 115	3.91

Standard Accessory: • NUT

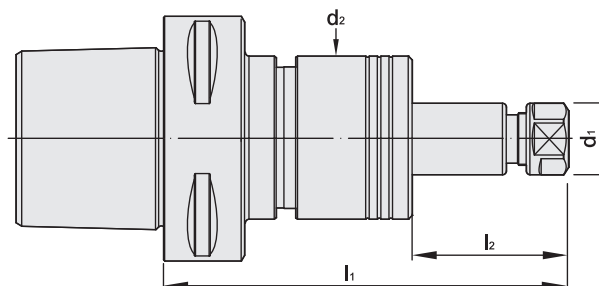
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



PSC / STA SYNCHRONIZED TAPPING HOLDER



PSC / STA 同步補償攻牙刀桿



T W PAT NO. M520427
 J P PAT NO. 3203456
 D E PAT NO. Nr.202016100106

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
142.795.11E.150	PSC50 x STA11E - 150	150	70	19	42	PSC50 x STA1	STA1 - ER11A - 70	1.79
142.795.16E.105	PSC50 x STA16E - 105	105	25	28	42	PSC50 x STA1	STA1 - ER16A - 25	1.53
142.795.16E.150	PSC50 x STA16E - 150	150	70	28	42	PSC50 x STA1	STA1 - ER16A - 70	1.73
142.795.16E.230	PSC50 x STA16E - 230	230	150	28	42	PSC50 x STA1	STA1 - ER16A - 150	2.06
142.795.20E.114	PSC50 x STA20E - 114	114	34	34	42	PSC50 x STA1	STA1 - ER20A - 34	1.57
142.795.20E.150	PSC50 x STA20E - 150	150	70	34	42	PSC50 x STA1	STA1 - ER20A - 70	1.73
143.795.11E.130	PSC63 x STA11E - 130	130	70	19	42	PSC63 x STA1	STA1 - ER11A - 70	1.91
143.795.16E.085	PSC63 x STA16E - 85	85	25	28	42	PSC63 x STA1	STA1 - ER16A - 25	1.65
143.795.16E.130	PSC63 x STA16E - 130	130	70	28	42	PSC63 x STA1	STA1 - ER16A - 70	1.85
143.795.16E.210	PSC63 x STA16E - 210	210	150	28	42	PSC63 x STA1	STA1 - ER16A - 150	2.18
143.795.20E.094	PSC63 x STA20E - 94	94	34	34	42	PSC63 x STA1	STA1 - ER20A - 34	1.69
143.795.20E.130	PSC63 x STA20E - 130	130	70	34	42	PSC63 x STA1	STA1 - ER20A - 70	1.85
143.795.32E.120	PSC63 x STA32E - 120	120	40	50	58	PSC63 x STA2	STA2 - ER32 - 40	2.65
143.795.32E.150	PSC63 x STA32E - 150	150	70	50	58	PSC63 x STA2	STA1 - ER32 - 70	2.88
144.795.11E.135	PSC80 x STA11E - 135	135	70	19	42	PSC80 x STA1	STA1 - ER11A - 70	3.33
144.795.16E.090	PSC80 x STA16E - 90	90	25	28	42	PSC80 x STA1	STA1 - ER16A - 25	3.07
144.795.16E.135	PSC80 x STA16E - 135	135	70	28	42	PSC80 x STA1	STA1 - ER16A - 70	3.27
144.795.16E.215	PSC80 x STA16E - 215	215	150	28	42	PSC80 x STA1	STA1 - ER16A - 150	3.60
144.795.20E.099	PSC80 x STA20E - 99	99	34	34	42	PSC80 x STA1	STA1 - ER20A - 34	3.11
144.795.20E.135	PSC80 x STA20E - 135	135	70	34	42	PSC80 x STA1	STA1 - ER20A - 70	3.27
144.795.32E.125	PSC80 x STA32E - 125	125	40	50	58	PSC80 x STA2	STA2 - ER32 - 40	3.55
144.795.32E.155	PSC80 x STA32E - 155	155	70	50	58	PSC80 x STA2	STA1 - ER32 - 70	3.78

Standard Accessory: • NUT

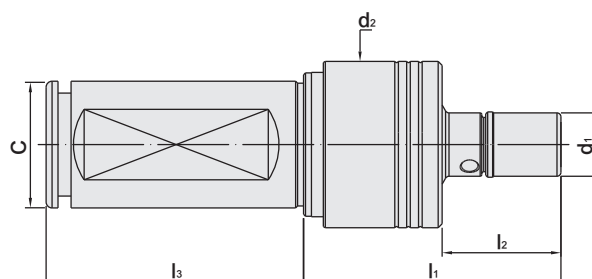
Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-68~71



STRAIGHT SHANK STA SYNCHRONIZED TAPPING HOLDER



直柄 STA 同步補償攻牙刀桿



MODEL NO.	TYPE	l ₁	l ₂	l ₃	C	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
								BODY	TAP ADAPTER	
C20.795.08T.075	C20 x STA8T - 75	75	30	55	20	12	42	C20 x STA1	STA1 - PTER8 - 30	0.50
C20.795.08T.115	C20 x STA8T - 115	115	70	55	20	12	42	C20 x STA1	STA1 - PTER8 - 70	0.56
C20.795.08T.145	C20 x STA8T - 145	145	100	55	20	12	42	C20 x STA1	STA1 - PTER8 - 100	0.61
C20.795.11T.075	C20 x STA11T - 75	75	30	55	20	16	42	C20 x STA1	STA1 - PTER11 - 30	0.95
C20.795.11T.115	C20 x STA11T - 115	115	70	55	20	16	42	C20 x STA1	STA1 - PTER11 - 70	1.01
C20.795.11T.145	C20 x STA11T - 145	145	100	55	20	16	42	C20 x STA1	STA1 - PTER11 - 100	1.05
C20.795.16T.075	C20 x STA16T - 75	75	30	55	20	22	42	C20 x STA1	STA1 - PTER16 - 30	0.96
C20.795.16T.115	C20 x STA16T - 115	115	70	55	20	22	42	C20 x STA1	STA1 - PTER16 - 70	1.02
C20.795.16T.145	C20 x STA16T - 145	145	100	55	20	22	42	C20 x STA1	STA1 - PTER16 - 100	1.06
C20.795.20T.075	C20 x STA20T - 75	75	30	55	20	28	42	C20 x STA1	STA1 - PTER20 - 30	0.93
C20.795.20T.115	C20 x STA20T - 115	115	70	55	20	28	42	C20 x STA1	STA1 - PTER20 - 70	1.20
C20.795.20T.145	C20 x STA20T - 145	145	100	55	20	28	42	C20 x STA1	STA1 - PTER20 - 100	1.36
C25.795.08T.070	C25 x STA8T - 70	70	30	60	25	12	42	C25 x STA1	STA1 - PTER8 - 30	0.54
C25.795.08T.110	C25 x STA8T - 110	110	70	60	25	12	42	C25 x STA1	STA1 - PTER8 - 70	0.58
C25.795.08T.140	C25 x STA8T - 140	140	100	60	25	12	42	C25 x STA1	STA1 - PTER8 - 100	0.63
C25.795.11T.070	C25 x STA11T - 070	70	30	60	25	16	42	C25 x STA1	STA1 - PTER11 - 30	0.99
C25.795.11T.110	C25 x STA11T - 110	110	70	60	25	16	42	C25 x STA1	STA1 - PTER11 - 70	1.04
C25.795.11T.140	C25 x STA11T - 140	140	100	60	25	16	42	C25 x STA1	STA1 - PTER11 - 100	1.08
C25.795.16T.070	C25 x STA16T - 70	70	30	60	25	22	42	C25 x STA1	STA1 - PTER16 - 30	1.00
C25.795.16T.110	C25 x STA16T - 110	110	70	60	25	22	42	C25 x STA1	STA1 - PTER16 - 70	1.06
C25.795.16T.140	C25 x STA16T - 140	140	100	60	25	22	42	C25 x STA1	STA1 - PTER16 - 100	1.10
C25.795.20T.070	C25 x STA20T - 70	70	30	60	25	28	42	C25 x STA1	STA1 - PTER20 - 30	0.97
C25.795.20T.110	C25 x STA20T - 110	110	70	60	25	28	42	C25 x STA1	STA1 - PTER20 - 70	1.24
C25.795.20T.140	C25 x STA20T - 140	140	100	60	25	28	42	C25 x STA1	STA1 - PTER20 - 100	1.40

Standard Accessory: • NUT

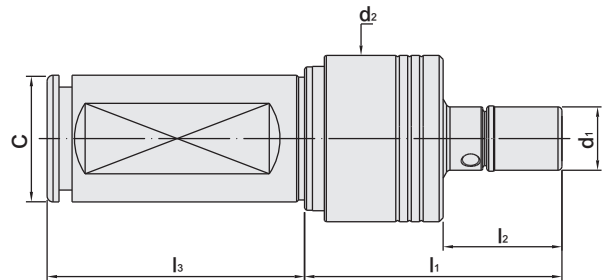
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



STRAIGHT SHANK STA SYNCHRONIZED TAPPING HOLDER



直柄 STA 同步補償攻牙刀桿



MODEL NO.	TYPE	l ₁	l ₂	l ₃	C	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
								BODY	TAP ADAPTER	
C32.795.08T.065	C32 x STA8T - 65	65	30	65	32	12	42	C32 x STA1	STA1 - PTER8 - 30	0.65
C32.795.08T.105	C32 x STA8T - 105	105	70	65	32	12	42	C32 x STA1	STA1 - PTER8 - 70	0.71
C32.795.08T.135	C32 x STA8T - 135	135	100	65	32	12	42	C32 x STA1	STA1 - PTER8 - 100	0.76
C32.795.11T.065	C32 x STA11T - 65	65	30	65	32	16	42	C32 x STA1	STA1 - PTER11 - 30	1.10
C32.795.11T.105	C32 x STA11T - 105	105	70	65	32	16	42	C32 x STA1	STA1 - PTER11 - 70	1.16
C32.795.11T.135	C32 x STA11T - 135	135	100	65	32	16	42	C32 x STA1	STA1 - PTER11 - 100	1.20
C32.795.16T.065	C32 x STA16T - 65	65	30	65	32	22	42	C32 x STA1	STA1 - PTER16 - 30	1.11
C32.795.16T.105	C32 x STA16T - 105	105	70	65	32	22	42	C32 x STA1	STA1 - PTER16 - 70	1.17
C32.795.16T.135	C32 x STA16T - 135	135	100	65	32	22	42	C32 x STA1	STA1 - PTER16 - 100	1.21
C32.795.20T.065	C32 x STA20T - 65	65	30	65	32	28	42	C32 x STA1	STA1 - PTER20 - 30	1.08
C32.795.20T.105	C32 x STA20T - 105	105	70	65	32	28	42	C32 x STA1	STA1 - PTER20 - 70	1.35
C32.795.20T.135	C32 x STA20T - 135	135	100	65	32	28	42	C32 x STA1	STA1 - PTER20 - 100	1.51
C32.795.25T.090	C32 x STA25T - 90	90	30	65	32	35	58	C32 x STA2	STA2 - PTER25 - 30	1.40
C32.795.25T.130	C32 x STA25T - 130	130	70	65	32	35	58	C32 x STA2	STA2 - PTER25 - 70	1.72
C32.795.25T.160	C32 x STA25T - 160	160	100	65	32	35	58	C32 x STA2	STA2 - PTER25 - 100	1.88
C40.795.08T.065	C40 x STA8T - 65	65	30	75	40	12	42	C40 x STA1	STA1 - PTER8 - 30	0.97
C40.795.08T.105	C40 x STA8T - 105	105	70	75	40	12	42	C40 x STA1	STA1 - PTER8 - 70	1.47
C40.795.08T.135	C40 x STA8T - 135	135	100	75	40	12	42	C40 x STA1	STA1 - PTER8 - 100	1.52
C40.795.11T.065	C40 x STA11T - 65	65	30	75	40	16	42	C40 x STA1	STA1 - PTER11 - 30	1.42
C40.795.11T.105	C40 x STA11T - 105	105	70	75	40	16	42	C40 x STA1	STA1 - PTER11 - 70	1.48
C40.795.11T.135	C40 x STA11T - 135	135	100	75	40	16	42	C40 x STA1	STA1 - PTER11 - 100	1.53
C40.795.16T.065	C40 x STA16T - 65	65	30	75	40	22	42	C40 x STA1	STA1 - PTER16 - 30	1.43
C40.795.16T.105	C40 x STA16T - 105	105	70	75	40	22	42	C40 x STA1	STA1 - PTER16 - 70	1.49
C40.795.16T.135	C40 x STA16T - 135	135	100	75	40	22	42	C40 x STA1	STA1 - PTER16 - 100	1.53
C40.795.20T.065	C40 x STA20T - 65	65	30	75	40	28	42	C40 x STA1	STA1 - PTER20 - 30	1.40
C40.795.20T.105	C40 x STA20T - 105	105	70	75	40	28	42	C40 x STA1	STA1 - PTER20 - 70	1.67
C40.795.20T.135	C40 x STA20T - 135	135	100	75	40	28	42	C40 x STA1	STA1 - PTER20 - 100	1.83
C40.795.25T.085	C40 x STA25T - 85	85	30	75	40	35	58	C40 x STA2	STA2 - PTER25 - 30	1.75
C40.795.25T.125	C40 x STA25T - 125	125	70	75	40	35	58	C40 x STA2	STA2 - PTER25 - 70	2.02
C40.795.25T.155	C40 x STA25T - 155	155	100	75	40	35	58	C40 x STA2	STA2 - PTER25 - 100	2.18

Standard Accessory: • NUT

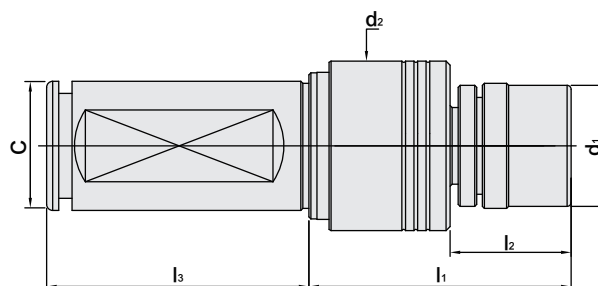
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



STRAIGHT SHANK STA SYNCHRONIZED TAPPING HOLDER



直柄 STA 同步補償攻牙刀桿



MODEL NO.	TYPE	l ₁	l ₂	l ₃	C	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
								BODY	TAP ADAPTER	
C20.795.16U.075	C20 x STA16U - 75	75	30	55	20	30	42	C20 x STA1	STA1 - UT16 - 30	0.53
C20.795.16U.115	C20 x STA16U - 115	115	70	55	20	30	42	C20 x STA1	STA1 - UT16 - 70	0.68
C20.795.16U.145	C20 x STA16U - 145	145	100	55	20	30	42	C20 x STA1	STA1 - UT16 - 100	0.88
C25.795.16U.070	C25 x STA16U - 70	70	30	60	25	30	42	C25 x STA1	STA1 - UT16 - 30	0.57
C25.795.16U.110	C25 x STA16U - 110	110	70	60	25	30	42	C25 x STA1	STA1 - UT16 - 70	0.72
C25.795.16U.140	C25 x STA16U - 140	140	100	60	25	30	42	C25 x STA1	STA1 - UT16 - 100	0.92
C32.795.16U.065	C32 x STA16U - 65	65	30	65	32	30	42	C32 x STA1	STA1 - UT16 - 30	0.68
C32.795.16U.105	C32 x STA16U - 105	105	70	65	32	30	42	C32 x STA1	STA1 - UT16 - 70	0.83
C32.795.16U.135	C32 x STA16U - 135	135	100	65	32	30	42	C32 x STA1	STA1 - UT16 - 100	1.03
C32.795.20U.090	C32 x STA20U - 90	90	30	65	32	36	58	C32 x STA2	STA2 - UT20 - 30	1.20
C32.795.20U.130	C32 x STA20U - 130	130	70	65	32	36	58	C32 x STA2	STA2 - UT20 - 70	1.40
C32.795.20U.160	C32 x STA20U - 160	160	100	65	32	36	58	C32 x STA2	STA2 - UT20 - 100	1.53
C32.795.25U.095	C32 x STA25U - 95	90	30	65	32	42	58	C32 x STA2	STA2 - UT25 - 35	1.20
C32.795.25U.145	C32 x STA25U - 145	140	70	65	32	42	58	C32 x STA2	STA2 - UT25 - 85	1.55
C32.795.25U.175	C32 x STA25U - 175	170	100	65	32	42	58	C32 x STA2	STA2 - UT25 - 115	1.80
C32.795.32U.110	C32 x STA32U - 110	110	50	65	32	48	58	C32 x STA2	STA2 - UT32 - 50	1.25
C32.795.32U.145	C32 x STA32U - 145	145	85	65	32	48	58	C32 x STA2	STA2 - UT32 - 85	1.50
C32.795.32U.175	C32 x STA32U - 175	175	115	65	32	48	58	C32 x STA2	STA2 - UT32 - 115	1.70
C40.795.16U.065	C40 x STA16U - 65	65	30	75	40	30	42	C40 x STA1	STA1 - UT16 - 30	1.00
C40.795.16U.105	C40 x STA16U - 105	105	70	75	40	30	42	C40 x STA1	STA1 - UT16 - 70	1.15
C40.795.16U.135	C40 x STA16U - 135	135	100	75	40	30	42	C40 x STA1	STA1 - UT16 - 100	1.35
C40.795.20U.085	C40 x STA20U - 85	85	30	75	40	36	58	C40 x STA2	STA2 - UT20 - 30	1.50
C40.795.20U.125	C40 x STA20U - 125	125	70	75	40	36	58	C40 x STA2	STA2 - UT20 - 70	1.70
C40.795.20U.155	C40 x STA20U - 155	155	100	75	40	36	58	C40 x STA2	STA2 - UT20 - 100	1.83
C40.795.25U.090	C40 x STA25U - 90	90	35	75	40	42	58	C40 x STA2	STA2 - UT25 - 35	1.50
C40.795.25U.140	C40 x STA25U - 140	140	85	75	40	42	58	C40 x STA2	STA2 - UT25 - 85	1.85
C40.795.25U.170	C40 x STA25U - 170	170	115	75	40	42	58	C40 x STA2	STA2 - UT25 - 115	2.10
C40.795.32U.105	C40 x STA32U - 105	105	50	75	40	48	58	C40 x STA2	STA2 - UT32 - 50	1.55
C40.795.32U.140	C40 x STA32U - 140	140	85	75	40	48	58	C40 x STA2	STA2 - UT32 - 85	1.80
C40.795.32U.170	C40 x STA32U - 170	170	115	75	40	48	58	C40 x STA2	STA2 - UT32 - 115	2.00

Standard Accessory: • NUT

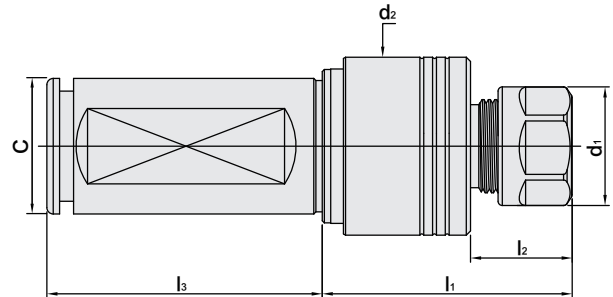
Collet	Nut	Spanner
P.W-7~10	P.W-47	P.W-68~73



STRAIGHT SHANK STA SYNCHRONIZED TAPPING HOLDER



直柄 STA 同步補償攻牙刀桿



MODEL NO.	TYPE	l ₁	l ₂	l ₃	C	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
								BODY	TAP ADAPTER	
C20.795.11E.115	C20 x STA11E - 115	115	70	55	20	19	42	C20 x STA1	STA1 - ER11A - 70	0.74
C20.795.16E.070	C20 x STA16E - 70	70	25	55	20	28	42	C20 x STA1	STA1 - ER16A - 25	0.48
C20.795.16E.115	C20 x STA16E - 115	115	70	55	20	28	42	C20 x STA1	STA1 - ER16A - 70	0.68
C20.795.16E.195	C20 x STA16E - 195	195	150	55	20	28	42	C20 x STA1	STA1 - ER16A - 150	1.01
C20.795.20E.079	C20 x STA20E - 079	79	34	55	20	34	42	C20 x STA1	STA1 - ER20A - 34	0.52
C20.795.20E.115	C20 x STA20E - 115	115	70	55	20	34	42	C20 x STA1	STA1 - ER20A - 70	0.68
C25.795.11E.110	C25 x STA11E - 110	110	70	60	25	19	42	C25 x STA1	STA1 - ER11A - 70	0.78
C25.795.16E.065	C25 x STA16E - 65	65	25	60	25	28	42	C25 x STA1	STA1 - ER16A - 25	0.52
C25.795.16E.110	C25 x STA16E - 110	110	70	60	25	28	42	C25 x STA1	STA1 - ER16A - 70	0.72
C25.795.16E.190	C25 x STA16E - 190	190	150	60	25	28	42	C25 x STA1	STA1 - ER16A - 150	1.05
C25.795.20E.079	C25 x STA20E - 79	79	34	60	25	34	42	C25 x STA1	STA1 - ER20A - 34	0.52
C25.795.20E.110	C25 x STA20E - 110	110	70	60	25	34	42	C25 x STA1	STA1 - ER20A - 70	0.72
C32.795.11E.105	C32 x STA11E - 105	105	70	65	32	19	42	C32 x STA1	STA1 - ER11A - 70	0.89
C32.795.16E.060	C32 x STA16E - 60	60	25	65	32	28	42	C32 x STA1	STA1 - ER16A - 25	0.63
C32.795.16E.105	C32 x STA16E - 105	105	70	65	32	28	42	C32 x STA1	STA1 - ER16A - 70	0.83
C32.795.16E.185	C32 x STA16E - 185	185	150	65	32	28	42	C32 x STA1	STA1 - ER16A - 150	1.16
C32.795.20E.069	C32 x STA20E - 69	69	34	65	32	34	42	C32 x STA1	STA1 - ER20A - 34	0.67
C32.795.20E.105	C32 x STA20E - 105	105	70	65	32	34	42	C32 x STA1	STA1 - ER20A - 70	0.83
C32.795.32E.100	C32 x STA32E - 100	100	40	65	32	50	58	C32 x STA2	STA2 - ER32 - 40	1.34
C32.795.32E.130	C32 x STA32E - 130	130	70	65	32	50	58	C32 x STA2	STA2 - ER32 - 70	1.57
C40.795.11E.105	C40 x STA11E - 105	105	70	75	40	19	42	C40 x STA1	STA1 - ER11A - 70	1.21
C40.795.16E.060	C40 x STA16E - 60	60	25	75	40	28	42	C40 x STA1	STA1 - ER16A - 25	0.95
C40.795.16E.105	C40 x STA16E - 105	105	70	75	40	28	42	C40 x STA1	STA1 - ER16A - 70	1.15
C40.795.16E.185	C40 x STA16E - 185	185	150	75	40	28	42	C40 x STA1	STA1 - ER16A - 150	1.48
C40.795.20E.069	C40 x STA20E - 69	69	34	75	40	34	42	C40 x STA1	STA1 - ER20A - 34	0.99
C40.795.20E.105	C40 x STA20E - 105	105	70	75	40	34	42	C40 x STA1	STA1 - ER20A - 70	1.15
C40.795.32E.095	C40 x STA32E - 95	95	40	75	40	50	58	C40 x STA2	STA2 - ER32 - 40	1.64
C40.795.32E.125	C40 x STA32E - 125	125	70	75	40	50	58	C40 x STA2	STA2 - ER32 - 70	1.87

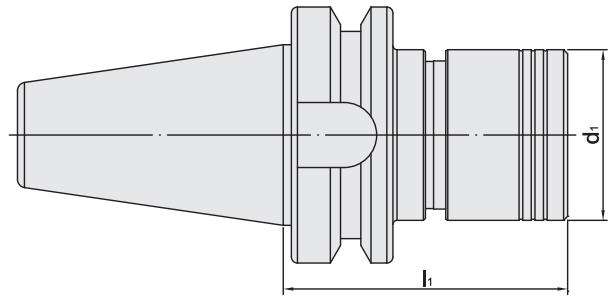
Standard Accessory: • NUT

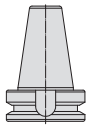
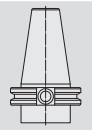
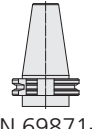
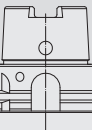

Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-68~71



STA SYNCHRONIZED TAPPING HOLDER BODY

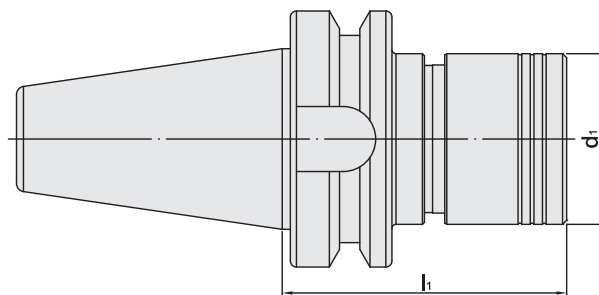
STA 同步補償攻牙刀桿本體

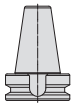

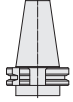


SHANK	MODEL NO.	TYPE	l_1	d_1	STA NO.	WEIGHT (KGS)
 MAS 403	10.795.01	BT30 x STA1	60	42	1	0.56
	11.795.01	BT40 x STA1	70	42	1	1.18
	11.795.02	BT40 x STA2	85	58	2	1.48
	12.795.01	BT50 x STA1	60	42	1	3.68
	12.795.02	BT50 x STA2	95	58	2	3.98
 ANSI B5.50	31.795.01	CAT40 x STA1	70	42	1	1.12
	31.795.02	CAT40 x STA2	90	58	2	1.45
	32.795.01	CAT50 x STA1	70	42	1	3.12
	32.795.02	CAT50 x STA2	95	58	2	3.53
 DIN 69871-A	51.795.01	DAT40 x STA1	60	42	1	1.01
	51.795.02	DAT40 x STA2	90	58	2	1.50
	52.795.01	DAT50 x STA1	60	42	1	2.73
 DIN 69893 A	52.795.02	DAT50 x STA2	80	58	2	3.11
	71.795.01	HSK40A x STA1	70	42	1	1.10
	72.795.01	HSK50A x STA1	70	42	1	1.31
	73.795.01	HSK63A x STA1	80	42	1	1.60
	74.795.01	HSK80A x STA1	80	42	1	1.98
	74.795.02	HSK80A x STA2	95	58	2	2.80
 ISO 26623-1	75.795.01	HSK100A x STA1	80	42	1	2.78
	75.795.02	HSK100A x STA2	95	58	2	3.60
	142.795.01	PSC50 x STA1	80	42	1	1.43
	143.795.01	PSC63 x STA1	60	42	1	1.55
	143.795.02	PSC63 x STA2	80	58	2	2.21
	144.795.01	PSC80 x STA1	65	42	1	2.97
	144.795.02	PSC80 x STA2	85	58	2	3.11

STA SYNCHRONIZED TAPPING HOLDER BODY

STA 同步補償攻牙刀桿本體

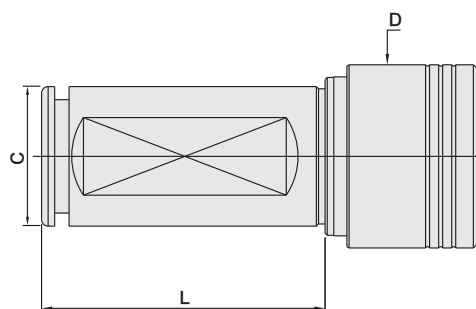


SHANK	MODEL NO.	TYPE	l_1	d_1	STA NO.	WEIGHT (KGS)
 DualDRIVE+	25.795.01	SBT30 x STA1	60	42	1	0.56
	26.795.01	SBT40 x STA1	70	42	1	1.18
	26.795.02	SBT40 x STA2	85	58	2	1.48
	27.795.01	SBT50 x STA1	80	42	1	3.68
	27.795.02	SBT50 x STA2	95	58	2	3.98
 DualDRIVE+	43.795.01	SCAT40 x STA1	70	42	1	1.12
	43.795.02	SCAT40 x STA2	90	58	2	1.45
	44.795.01	SCAT50 x STA1	70	42	1	3.12
	44.795.02	SCAT50 x STA2	95	58	2	3.53
 DualDRIVE+	66.795.01	SDAT40 x STA1	60	42	1	1.01
	66.795.02	SDAT40 x STA2	90	58	2	1.50
	67.795.01	SDAT50 x STA1	60	42	1	2.73
	67.795.02	SDAT50 x STA2	80	58	2	3.11

STRAIGHT SHANK

STA SYNCHRONIZED TAPPING HOLDER BODY

直柄 STA 同步補償攻牙刀桿本體



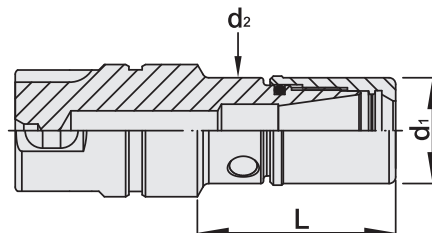
MODEL NO.	TYPE	L	C	D	STA NO.	WEIGHT (KGS)
C20.795.055.01	C20 x STA1	55	20	42	1	0.38
C25.795.060.01	C25 x STA1	60	25	42	1	0.42
C32.795.065.01	C32 x STA1	65	32	42	1	0.52
C32.795.065.02	C32 x STA2	65	32	58	2	0.90
C40.795.075.01	C40 x STA1	75	40	42	1	0.82
C40.795.075.02	C40 x STA2	75	40	58	2	1.13

МАШСЕРВИС

TAP ADAPTER FOR STA



STA 同步補償攻牙刀桿心軸



MODEL NO.	TYPE	L	d ₁	d ₂	CAPACITY	WEIGHT (KGS)
795.528.08.030	STA1 - PTER8 - 30	30	12	12	M3 ~ M5	0.12
795.528.08.070	STA1 - PTER8 - 70	70	12	12	M3 ~ M5	0.18
795.528.08.100	STA1 - PTER8 - 100	100	12	12	M3 ~ M5	0.23
795.528.11.030	STA1 - PTER11 - 30	30	16	16	M3 ~ M6	0.57
795.528.11.070	STA1 - PTER11 - 70	70	16	16	M3 ~ M6	0.63
795.528.11.100	STA1 - PTER11 - 100	100	16	16	M3 ~ M6	0.67
795.528.16.030	STA1 - PTER16 - 30	30	22	22	M3 ~ M12	0.58
795.528.16.070	STA1 - PTER16 - 70	70	22	22	M3 ~ M12	0.64
795.528.16.100	STA1 - PTER16 - 100	100	22	22	M3 ~ M12	0.68
795.528.20.030	STA1 - PTER20 - 30	30	28	28	M3 ~ M16	0.55
795.528.20.070	STA1 - PTER20 - 70	70	28	28	M3 ~ M16	0.82
795.528.20.100	STA1 - PTER20 - 100	100	28	28	M3 ~ M16	0.98
795.528.25.030	STA2 - PTER25 - 30	30	35	35	M6 ~ M18	0.55
795.528.25.070	STA2 - PTER25 - 70	70	35	35	M6 ~ M18	0.82
795.528.25.100	STA2 - PTER25 - 100	100	35	35	M6 ~ M18	0.98

Standard Accessory: • NUT

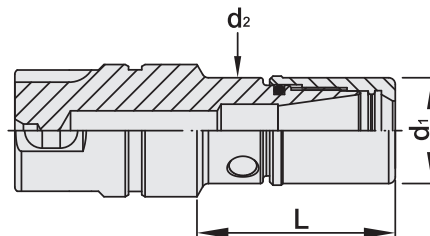
Collet	Nut	Spanner
P.W-5	P.W-47	P.W-68~73



TAP ADAPTER FOR STA



STA 同步補償攻牙刀桿心軸



MODEL NO.	TYPE	L	d ₁	d ₂	CAPACITY	WEIGHT (KGS)
795.753.16.030	STA1 - UT16 - 30	30	30	30	M3 ~ M12	0.15
795.753.16.070	STA1 - UT16 - 70	70	30	30	M3 ~ M12	0.30
795.753.16.100	STA1 - UT16 - 100	100	30	30	M3 ~ M12	0.50
795.753.20.030	STA2 - UT20 - 30	30	36	-	M3 ~ M16	0.30
795.753.20.070	STA2 - UT20 - 70	70	36	36	M3 ~ M16	0.50
795.753.20.100	STA2 - UT20 - 100	100	36	36	M3 ~ M16	0.63
795.753.25.035	STA2 - UT25 - 35	35	42	42	M6 ~ M18	0.30
795.753.25.085	STA2 - UT25 - 85	85	42	42	M6 ~ M18	0.65
795.753.25.115	STA2 - UT25 - 115	115	42	42	M6 ~ M18	0.90
795.753.32.050	STA2 - UT32 - 50	50	48	48	M10 ~ M24	0.35
795.753.32.085	STA2 - UT32 - 85	85	48	48	M10 ~ M24	0.60
795.753.32.115	STA2 - UT32 - 115	115	48	48	M10 ~ M24	0.80

МАШСЕРВИС

Standard Accessory: • NUT

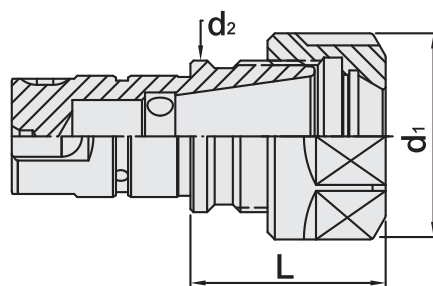
Collet	Nut	Spanner
P.W-7~10	P.W-47	P.W-68~73



TAP ADAPTER FOR STA



STA 同步補償攻牙刀桿心軸



MODEL NO.	TYPE	L	d ₁	d ₂	CAPACITY	WEIGHT (KGS)
686.122.11.070	STA1 - ER11A - 70	70	19	19	M3 ~ M6	0.36
686.122.16.025	STA1 - ER16A - 25	25	28	20	M3 ~ M12	0.10
686.122.16.070	STA1 - ER16A - 70	70	28	22	M3 ~ M12	0.30
686.122.16.150	STA1 - ER16A - 150	150	28	28	M3 ~ M12	0.63
686.122.20.034	STA1 - ER20A - 34	34	34	25	M3 ~ M16	0.14
686.122.20.070	STA1 - ER20A - 70	70	34	25	M3 ~ M16	0.30
686.122.32.040	STA2 - ER32 - 40	40	50	40	M10 ~ M24	0.44
686.122.32.070	STA2 - ER32 - 70	70	50	40	M10 ~ M24	0.67

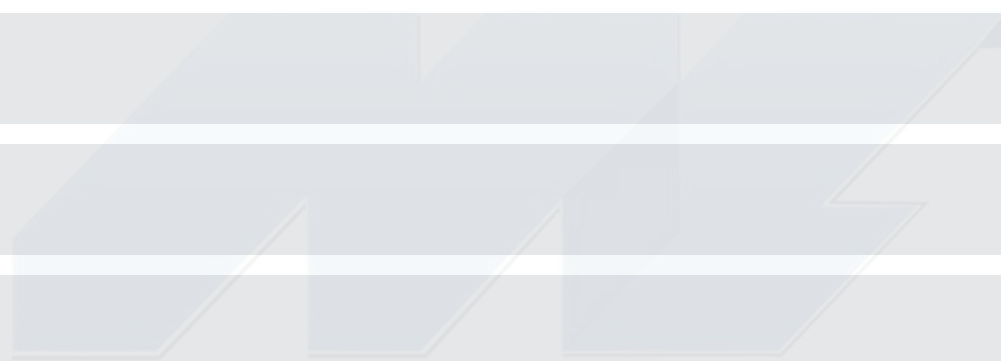
МАШСЕРВИС

Standard Accessory: • NUT

Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-68~71



MEMO



МАШСЕРВИС



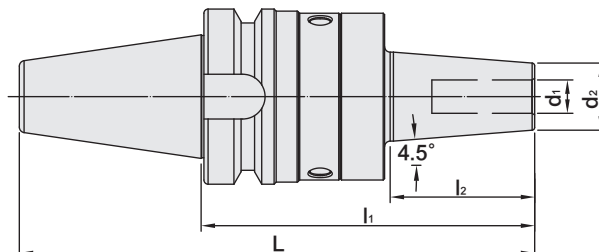
SAF CATEGORY

BT / SAF RUNOUT ADJUSTABLE HOLDER	R-2~5
CAT / SAF RUNOUT ADJUSTABLE HOLDER	R-6~9
DAT / SAF RUNOUT ADJUSTABLE HOLDER	R-10~13
SBT / SAF RUNOUT ADJUSTABLE HOLDER	R-14~17
SCAT / SAF RUNOUT ADJUSTABLE HOLDER	R-18~21
SDAT / SAF RUNOUT ADJUSTABLE HOLDER	R-22~25
HSK / SAF RUNOUT ADJUSTABLE HOLDER	R-26~30
PSC / SAF RUNOUT ADJUSTABLE HOLDER	R-31~34
SAF RUNOUT ADJUSTABLE HOLDER BODY	R-35~36
SHRINK FIT CHUCK FLANGE FOR SAF	R-37
SK3 COLLET CHUCK FLANGE FOR SAF	R-38
PNR COLLET CHUCK FLANGE FOR SAF	R-39
UT COLLET CHUCK FLANGE FOR SAF	R-40

BT / SAF RUNOUT ADJUSTABLE HOLDER

4.5°

BT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
19832	BT30 x SAFC6 - 110	158.4	110	52	6	21	BT30 x SAFC25	SFC6 - 70	1.13
19834	BT30 x SAFC8 - 110	158.4	110	52	8	21	BT30 x SAFC25	SFC8 - 70	1.12
19836	BT30 x SAFC10 - 110	158.4	110	52	10	24	BT30 x SAFC25	SFC10 - 70	1.17
19838	BT30 x SAFC12 - 110	158.4	110	52	12	24	BT30 x SAFC25	SFC12 - 70	1.15
19840	BT30 x SAFC16 - 115	163.4	115	57	16	27	BT30 x SAFC25	SFC16 - 75	1.20
19842	BT40 x SAFC6 - 120	185.4	120	52	6	21	BT40 x SAFC25	SFC6 - 70	1.86
19844	BT40 x SAFC8 - 120	185.4	120	52	8	21	BT40 x SAFC25	SFC8 - 70	1.85
19846	BT40 x SAFC10 - 120	185.4	120	52	10	24	BT40 x SAFC25	SFC10 - 70	1.90
19848	BT40 x SAFC12 - 120	185.4	120	52	12	24	BT40 x SAFC25	SFC12 - 70	1.88
19850	BT40 x SAFC16 - 125	190.4	125	57	16	27	BT40 x SAFC25	SFC16 - 75	1.93
19852	BT40 x SAFC20 - 130	195.4	130	60	20	33	BT40 x SAFC40	SFC20 - 80	2.67
19854	BT40 x SAFC25 - 150	215.4	150	81	25	44	BT40 x SAFC40	SFC25 - 100	3.20
19856	BT40 x SAFC32 - 150	215.4	150	81	32	44	BT40 x SAFC40	SFC32 - 100	3.06
19858	BT50 x SAFC6 - 130	231.8	130	52	6	21	BT50 x SAFC25	SFC6 - 70	4.34
19860	BT50 x SAFC8 - 130	231.8	130	52	8	21	BT50 x SAFC25	SFC8 - 70	4.33
19862	BT50 x SAFC10 - 130	231.8	130	52	10	24	BT50 x SAFC25	SFC10 - 70	4.38
19864	BT50 x SAFC12 - 130	231.8	130	52	12	24	BT50 x SAFC25	SFC12 - 70	4.36
19866	BT50 x SAFC16 - 135	236.8	135	57	16	27	BT50 x SAFC25	SFC16 - 75	4.41
19868	BT50 x SAFC20 - 140	241.8	140	60	20	33	BT50 x SAFC40	SFC20 - 80	5.26
19870	BT50 x SAFC25 - 160	261.8	160	81	25	44	BT50 x SAFC40	SFC25 - 100	5.79
19872	BT50 x SAFC32 - 160	261.8	160	81	32	44	BT50 x SAFC40	SFC32 - 100	5.65

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw

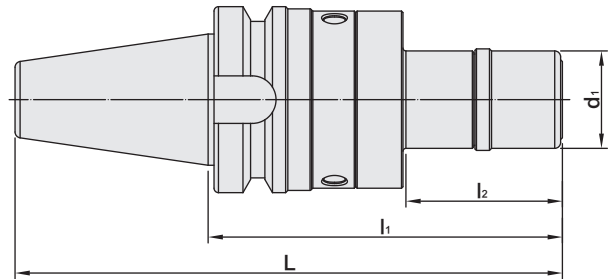


P.W-60~61

P.W-88

BT / SAF RUNOUT ADJUSTABLE HOLDER

BT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
19602	BT30 x SAFK6 - 90	138.4	90	29	19.5	BT30 x SAF25	SK306 - 50	SKS6	1.00
19604	BT30 x SAFK10 - 90	138.4	90	32.5	27.5	BT30 x SAF25	SK310 - 50	SKS10	1.03
19606	BT30 x SAFK13 - 110	158.4	110	53	33	BT30 x SAF25	SK313 - 70	SKS13	1.16
19610	BT40 x SAFK6 - 100	165.4	100	29	19.5	BT40 x SAF25	SK306 - 50	SKS6	1.73
19612	BT40 x SAFK6 - 150	215.4	150	79	19.5	BT40 x SAF25	SK306 - 100	SKS6	1.82
19614	BT40 x SAFK10 - 100	165.4	100	32.5	27.5	BT40 x SAF25	SK310 - 50	SKS10	1.76
19616	BT40 x SAFK10 - 150	215.4	150	82.5	27.5	BT40 x SAF25	SK310 - 100	SKS10	1.95
19618	BT40 x SAFK13 - 120	185.4	120	53	33	BT40 x SAF25	SK313 - 70	SKS13	1.89
19620	BT40 x SAFK13 - 150	215.4	150	83	33	BT40 x SAF25	SK313 - 100	SKS13	2.07
19622	BT40 x SAFK16 - 120	185.4	120	49.9	40	BT40 x SAF40	SK316 - 70	SKS16	2.56
19624	BT40 x SAFK16 - 150	215.4	150	79.9	40	BT40 x SAF40	SK316 - 100	SKS16	2.82
19630	BT50 x SAFK6 - 110	211.8	110	29	19.5	BT50 x SAF25	SK306 - 50	SKS6	4.21
19632	BT50 x SAFK6 - 160	261.8	160	79	19.5	BT50 x SAF25	SK306 - 100	SKS6	4.30
19634	BT50 x SAFK10 - 110	211.8	110	32.5	27.5	BT50 x SAF25	SK310 - 50	SKS10	4.24
19636	BT50 x SAFK10 - 160	261.8	160	82.5	27.5	BT50 x SAF25	SK310 - 100	SKS10	4.43
19638	BT50 x SAFK13 - 130	231.8	130	53	33	BT50 x SAF25	SK313 - 70	SKS13	4.37
19640	BT50 x SAFK13 - 160	261.8	160	83	33	BT50 x SAF25	SK313 - 100	SKS13	4.55
19642	BT50 x SAFK16 - 130	231.8	130	49.9	40	BT50 x SAF40	SK316 - 70	SKS16	5.15
19644	BT50 x SAFK16 - 160	261.8	160	79.9	40	BT50 x SAF40	SK316 - 100	SKS16	5.41

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



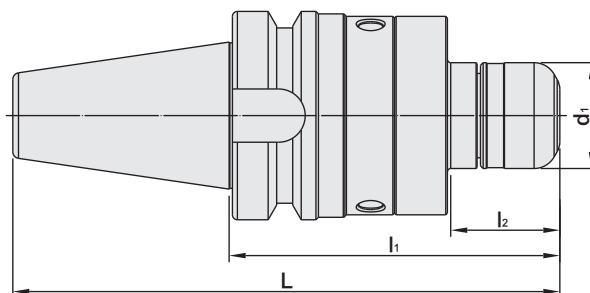
BT / SAF RUNOUT ADJUSTABLE HOLDER



BT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
19652	BT30 x SAFF16 - 90	138.4	90	32	30	BT30 x SAF25	PNER16 - 50	PN16	1.03
19654	BT30 x SAFF20 - 90	138.4	90	33	32	BT30 x SAF25	PNER20 - 50	PN20	1.04
19660	BT40 x SAFF16 - 100	165.4	100	32	30	BT40 x SAF25	PNER16 - 50	PN16	1.76
19662	BT40 x SAFF16 - 150	215.4	150	82	30	BT40 x SAF25	PNER16 - 100	PN16	2.00
19664	BT40 x SAFF20 - 100	165.4	100	33	32	BT40 x SAF25	PNER20 - 50	PN20	1.77
19668	BT40 x SAFF20 - 150	215.4	150	83	32	BT40 x SAF25	PNER20 - 100	PN20	2.03
19670	BT40 x SAFF25 - 100	165.4	100	28.9	40	BT40 x SAF40	PNER25 - 50	PN25	2.41
19672	BT40 x SAFF25 - 150	215.4	150	78.9	40	BT40 x SAF40	PNER25 - 100	PN25	2.83
19674	BT40 x SAFF32 - 110	175.4	110	40.9	50	BT40 x SAF40	PNER32 - 60	PN32	2.56
19676	BT40 x SAFF32 - 150	215.4	150	80.9	50	BT40 x SAF40	PNER32 - 100	PN32	3.11
19680	BT50 x SAFF16 - 110	211.8	110	32	30	BT50 x SAF25	PNER16 - 50	PN16	4.24
19682	BT50 x SAFF16 - 160	261.8	160	82	30	BT50 x SAF25	PNER16 - 100	PN16	4.48
19684	BT50 x SAFF20 - 110	211.8	110	33	32	BT50 x SAF25	PNER20 - 50	PN20	4.25
19686	BT50 x SAFF20 - 160	261.8	160	83	32	BT50 x SAF25	PNER20 - 100	PN20	4.51
19688	BT50 x SAFF25 - 110	211.8	110	28.9	40	BT50 x SAF40	PNER25 - 50	PN25	5.00
19690	BT50 x SAFF25 - 160	261.8	160	78.9	40	BT50 x SAF40	PNER25 - 100	PN25	5.42
19692	BT50 x SAFF32 - 120	221.8	120	40.9	50	BT50 x SAF40	PNER32 - 60	PN32	5.15
19694	BT50 x SAFF32 - 160	261.8	160	80.9	50	BT50 x SAF40	PNER32 - 100	PN32	5.70

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73

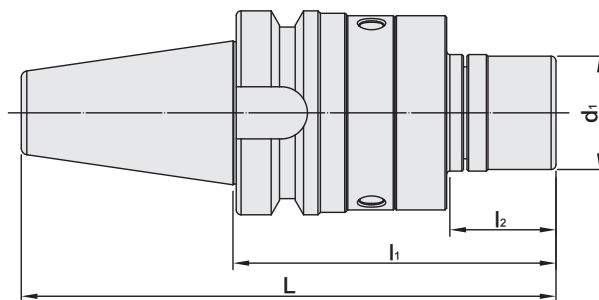
BT / SAF RUNOUT ADJUSTABLE HOLDER



BT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
19802	BT30 x SAFU16 - 90	138.4	90	29	18	BT30 x SAF25	UT16 - 50	ER16	1.08
19804	BT30 x SAFU20 - 90	138.4	90	32.5	27	BT30 x SAF25	UT20 - 50	ER20	1.10
19806	BT40 x SAFU16 - 100	158.4	110	53	34	BT40 x SAF25	UT16 - 50	ER16	1.81
19808	BT40 x SAFU20 - 100	165.4	100	29	18	BT40 x SAF25	UT20 - 50	ER20	1.83
19810	BT40 x SAFU25 - 110	215.4	150	79	18	BT40 x SAF40	UT25 - 60	ER25	2.57
19812	BT40 x SAFU32 - 110	165.4	100	32.5	27	BT40 x SAF40	UT32 - 60	ER32	2.60
19814	BT50 x SAFU16 - 110	215.4	150	82.5	27	BT40 x SAF25	UT16 - 50	ER16	4.29
19816	BT50 x SAFU20 - 110	185.4	120	53	34	BT40 x SAF25	UT20 - 50	ER20	4.31
19818	BT50 x SAFU25 - 120	215.4	150	83	34	BT40 x SAF40	UT25 - 60	ER25	5.16
19820	BT50 x SAFU32 - 120	185.4	120	49.9	40	BT40 x SAF40	UT32 - 60	ER32	5.19

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

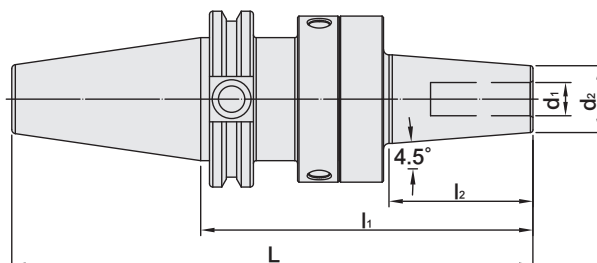
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73



CAT / SAF RUNOUT ADJUSTABLE HOLDER

4.5°

CAT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
29582	CAT40 x SAFC6 - 120	188.249	120	52	6	21	CAT40 x SAF25	SFC6 - 70	1.71
29584	CAT40 x SAFC8 - 120	188.249	120	52	8	21	CAT40 x SAF25	SFC8 - 70	1.70
29586	CAT40 x SAFC10 - 120	188.249	120	52	10	24	CAT40 x SAF25	SFC10 - 70	1.75
29588	CAT40 x SAFC12 - 120	188.249	120	52	12	24	CAT40 x SAF25	SFC12 - 70	1.73
29590	CAT40 x SAFC16 - 125	193.249	125	57	16	27	CAT40 x SAF25	SFC16 - 75	1.78
29592	CAT40 x SAFC20 - 140	208.249	140	60	20	33	CAT40 x SAF40	SFC20 - 80	2.90
29594	CAT40 x SAFC25 - 160	228.249	160	81	25	44	CAT40 x SAF40	SFC25 - 100	3.43
29596	CAT40 x SAFC32 - 160	228.249	160	81	32	44	CAT40 x SAF40	SFC32 - 100	3.29
29598	CAT50 x SAFC6 - 130	231.6	130	52	6	21	CAT50 x SAF25	SFC6 - 70	3.98
29600	CAT50 x SAFC8 - 130	231.6	130	52	8	21	CAT50 x SAF25	SFC8 - 70	3.97
29602	CAT50 x SAFC10 - 130	231.6	130	52	10	24	CAT50 x SAF25	SFC10 - 70	4.02
29604	CAT50 x SAFC12 - 130	231.6	130	52	12	24	CAT50 x SAF25	SFC12 - 70	4.00
29606	CAT50 x SAFC16 - 135	236.6	135	57	16	27	CAT50 x SAF25	SFC16 - 75	4.05
29608	CAT50 x SAFC20 - 140	241.6	140	60	20	33	CAT50 x SAF40	SFC20 - 80	4.96
29610	CAT50 x SAFC25 - 160	261.6	160	81	25	44	CAT50 x SAF40	SFC25 - 100	5.49
29612	CAT50 x SAFC32 - 160	261.6	160	81	32	44	CAT50 x SAF40	SFC32 - 100	5.35

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw

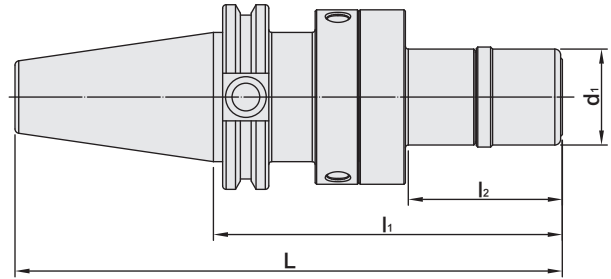


P.W-62

P.W-88

CAT / SAF RUNOUT ADJUSTABLE HOLDER

CAT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
29502	CAT40 x SAFK6 - 100	168.249	100	29	19.5	CAT40 x SAF25	SK306 - 50	SKS6	1.58
29504	CAT40 x SAFK6 - 150	218.249	150	79	19.5	CAT40 x SAF25	SK306 - 100	SKS6	1.67
29506	CAT40 x SAFK10 - 100	168.249	100	32.5	27.5	CAT40 x SAF25	SK310 - 50	SKS10	1.61
29508	CAT40 x SAFK10 - 150	218.249	150	82.5	27.5	CAT40 x SAF25	SK310 - 100	SKS10	1.80
29510	CAT40 x SAFK13 - 120	188.249	120	53	33	CAT40 x SAF25	SK313 - 70	SKS13	1.74
29512	CAT40 x SAFK13 - 150	218.249	150	83	33	CAT40 x SAF25	SK313 - 100	SKS13	1.92
29514	CAT40 x SAFK16 - 130	198.249	130	49.9	40	CAT40 x SAF40	SK316 - 70	SKS16	2.79
29516	CAT40 x SAFK16 - 160	228.249	160	79.9	40	CAT40 x SAF40	SK316 - 100	SKS16	3.05
29518	CAT50 x SAFK6 - 110	211.6	110	29	19.5	CAT50 x SAF25	SK306 - 50	SKS6	3.85
29520	CAT50 x SAFK6 - 160	261.6	160	79	19.5	CAT50 x SAF25	SK306 - 100	SKS6	3.94
29522	CAT50 x SAFK10 - 110	211.6	110	32.5	27.5	CAT50 x SAF25	SK310 - 50	SKS10	3.88
29524	CAT50 x SAFK10 - 160	261.6	160	82.5	27.5	CAT50 x SAF25	SK310 - 100	SKS10	4.07
29526	CAT50 x SAFK13 - 130	231.6	130	53	33	CAT50 x SAF25	SK313 - 70	SKS13	4.01
29528	CAT50 x SAFK13 - 160	261.6	160	83	33	CAT50 x SAF25	SK313 - 100	SKS13	4.19
29530	CAT50 x SAFK16 - 130	231.6	130	49.9	40	CAT50 x SAF40	SK316 - 70	SKS16	4.85
29532	CAT50 x SAFK16 - 160	261.6	160	79.9	40	CAT50 x SAF40	SK316 - 100	SKS16	5.11

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-62	P.W-88	P.W-68~73



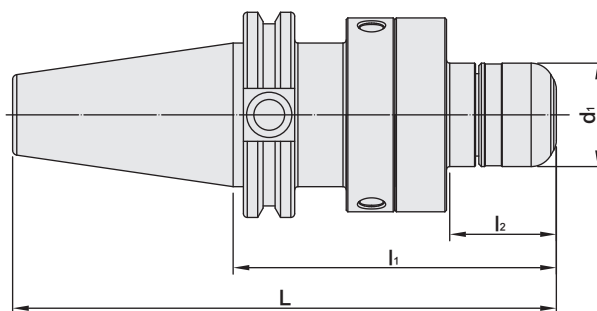
CAT / SAF RUNOUT ADJUSTABLE HOLDER



CAT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
29542	CAT40 x SAFF16 - 100	168.249	100	32	30	CAT40 x SAF25	PNER16 - 50	PN16	1.61
29542 - 150	CAT40 x SAFF16 - 150	218.249	150	82	30	CAT40 x SAF25	PNER16 - 100	PN16	1.85
29544	CAT40 x SAFF20 - 100	168.249	100	33	32	CAT40 x SAF25	PNER20 - 50	PN20	1.62
29544 - 150	CAT40 x SAFF20 - 150	218.249	150	83	32	CAT40 x SAF25	PNER20 - 100	PN20	1.88
29546	CAT40 x SAFF25 - 110	178.249	110	28.9	40	CAT40 x SAF40	PNER25 - 50	PN25	2.64
29546 - 160	CAT40 x SAFF25 - 160	228.249	160	78.9	40	CAT40 x SAF40	PNER25 - 100	PN25	3.06
29548	CAT40 x SAFF32 - 120	188.249	120	40.9	50	CAT40 x SAF40	PNER32 - 60	PN32	2.79
29548 - 160	CAT40 x SAFF32 - 160	228.249	160	80.9	50	CAT40 x SAF40	PNER32 - 100	PN32	3.34
29550	CAT50 x SAFF16 - 110	211.6	110	32	30	CAT50 x SAF25	PNER16 - 50	PN16	3.88
29550 - 160	CAT50 x SAFF16 - 160	261.6	160	82	30	CAT50 x SAF25	PNER16 - 100	PN16	4.12
29552	CAT50 x SAFF20 - 110	211.6	110	33	32	CAT50 x SAF25	PNER20 - 50	PN20	3.89
29552 - 160	CAT50 x SAFF20 - 160	261.6	160	83	32	CAT50 x SAF25	PNER20 - 100	PN20	4.15
29554	CAT50 x SAFF25 - 110	211.6	110	28.9	40	CAT50 x SAF40	PNER25 - 50	PN25	4.70
29554 - 160	CAT50 x SAFF25 - 160	261.6	160	78.9	40	CAT50 x SAF40	PNER25 - 100	PN25	5.12
29556	CAT50 x SAFF32 - 120	221.6	120	40.9	50	CAT50 x SAF40	PNER32 - 60	PN32	4.85
29556 - 160	CAT50 x SAFF32 - 160	261.6	160	80.9	50	CAT50 x SAF40	PNER32 - 100	PN32	5.40

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μ m.

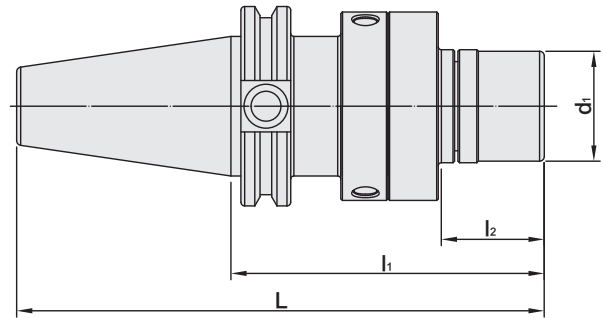
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-62	P.W-88	P.W-68~73

CAT / SAFU RUNOUT ADJUSTABLE HOLDER



CAT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
29562	CAT40 x SAFU16 - 100	168.249	100	32	30	CAT40 x SAF25	UT16 - 50	ER16	1.66
29564	CAT40 x SAFU20 - 100	168.249	100	33	35	CAT40 x SAF25	UT20 - 50	ER20	1.68
29566	CAT40 x SAFU25 - 120	188.249	120	38.9	42	CAT40 x SAF40	UT25 - 60	ER25	2.80
29568	CAT40 x SAFU32 - 120	188.249	120	40.9	48	CAT40 x SAF40	UT32 - 60	ER32	2.83
29570	CAT50 x SAFU16 - 110	211.6	110	32	30	CAT50 x SAF25	UT16 - 50	ER16	3.93
29572	CAT50 x SAFU20 - 110	211.6	110	33	35	CAT50 x SAF25	UT20 - 50	ER20	3.95
29574	CAT50 x SAFU25 - 120	221.6	120	38.9	42	CAT50 x SAF40	UT25 - 60	ER25	4.86
29576	CAT50 x SAFU32 - 120	221.6	120	40.9	48	CAT50 x SAF40	UT32 - 60	ER32	4.89

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

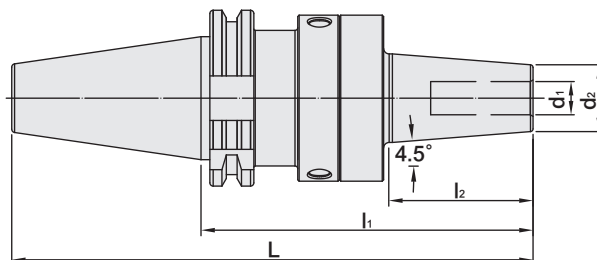
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-62	P.W-88	P.W-68~73



DAT / SAF RUNOUT ADJUSTABLE HOLDER

4.5°

DAT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
49380	DAT40 x SAFC6 - 120	188.4	120	52	6	21	DAT40 x SAF25	SFC6 - 70	1.74
49382	DAT40 x SAFC8 - 120	188.4	120	52	8	21	DAT40 x SAF25	SFC8 - 70	1.73
49384	DAT40 x SAFC10 - 120	188.4	120	52	10	24	DAT40 x SAF25	SFC10 - 70	1.78
49386	DAT40 x SAFC12 - 120	188.4	120	52	12	24	DAT40 x SAF25	SFC12 - 70	1.76
49388	DAT40 x SAFC16 - 125	193.4	125	57	16	27	DAT40 x SAF25	SFC16 - 75	1.81
49390	DAT40 x SAFC20 - 140	208.4	140	60	20	33	DAT40 x SAF40	SFC20 - 80	2.92
49392	DAT40 x SAFC25 - 160	228.4	160	81	25	44	DAT40 x SAF40	SFC25 - 100	3.45
49394	DAT40 x SAFC32 - 160	228.4	160	81	32	44	DAT40 x SAF40	SFC32 - 100	3.31
49396	DAT50 x SAFC6 - 130	231.75	130	52	6	21	DAT50 x SAF25	SFC6 - 70	3.88
49398	DAT50 x SAFC8 - 130	231.75	130	52	8	21	DAT50 x SAF25	SFC8 - 70	3.87
49400	DAT50 x SAFC10 - 130	231.75	130	52	10	24	DAT50 x SAF25	SFC10 - 70	3.92
49402	DAT50 x SAFC12 - 130	231.75	130	52	12	24	DAT50 x SAF25	SFC12 - 70	3.90
49404	DAT50 x SAFC16 - 135	236.75	135	57	16	27	DAT50 x SAF25	SFC16 - 75	3.95
49406	DAT50 x SAFC20 - 140	241.75	140	60	20	33	DAT50 x SAF40	SFC20 - 80	5.11
49408	DAT50 x SAFC25 - 160	261.75	160	81	25	44	DAT50 x SAF40	SFC25 - 100	5.64
49410	DAT50 x SAFC32 - 160	261.75	160	81	32	44	DAT50 x SAF40	SFC32 - 100	5.50

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw

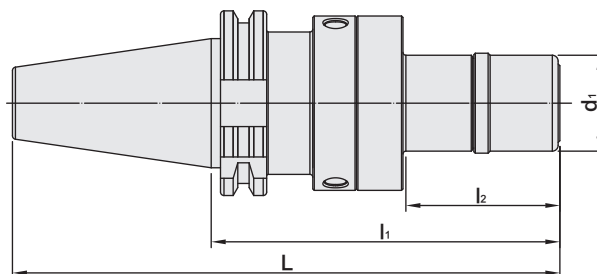


P.W-63

P.W-88

DAT / SAF RUNOUT ADJUSTABLE HOLDER

DAT / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
49302	DAT40 x SAFK6 - 100	168.4	100	29	19.5	DAT40 x SAF25	SK306 - 50	SKS6	1.61
49304	DAT40 x SAFK6 - 150	218.4	150	79	19.5	DAT40 x SAF25	SK306 - 100	SKS6	1.70
49306	DAT40 x SAFK10 - 100	168.4	100	32.5	27.5	DAT40 x SAF25	SK310 - 50	SKS10	1.64
49308	DAT40 x SAFK10 - 150	218.4	150	82.5	27.5	DAT40 x SAF25	SK310 - 100	SKS10	1.83
49310	DAT40 x SAFK13 - 120	188.4	120	53	33	DAT40 x SAF25	SK313 - 70	SKS13	1.77
49312	DAT40 x SAFK13 - 150	218.4	150	83	33	DAT40 x SAF25	SK313 - 100	SKS13	1.95
49314	DAT40 x SAFK16 - 130	198.4	130	49.9	40	DAT40 x SAF40	SK316 - 70	SKS16	2.81
49316	DAT40 x SAFK16 - 160	228.4	160	79.9	40	DAT40 x SAF40	SK316 - 100	SKS16	3.07
49318	DAT50 x SAFK6 - 110	211.75	110	29	19.5	DAT50 x SAF25	SK306 - 50	SKS6	3.75
49320	DAT50 x SAFK6 - 160	261.75	160	79	19.5	DAT50 x SAF25	SK306 - 100	SKS6	3.84
49322	DAT50 x SAFK10 - 110	211.75	110	32.5	27.5	DAT50 x SAF25	SK310 - 50	SKS10	3.78
49324	DAT50 x SAFK10 - 160	261.75	160	82.5	27.5	DAT50 x SAF25	SK310 - 100	SKS10	3.97
49326	DAT50 x SAFK13 - 130	231.75	130	53	33	DAT50 x SAF25	SK313 - 70	SKS13	3.91
49328	DAT50 x SAFK13 - 160	261.75	160	83	33	DAT50 x SAF25	SK313 - 100	SKS13	4.09
49330	DAT50 x SAFK16 - 130	231.75	130	49.9	40	DAT50 x SAF40	SK316 - 70	SKS16	5.00
49332	DAT50 x SAFK16 - 160	261.75	160	79.9	40	DAT50 x SAF40	SK316 - 100	SKS16	5.26

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-63	P.W-88	P.W-68~73



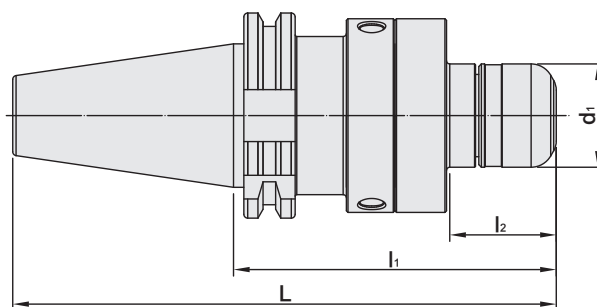
DAT / SAF RUNOUT ADJUSTABLE HOLDER



DAT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
49342	DAT40 x SAFF16 - 100	168.4	100	32	30	DAT40 x SAF25	PNER16 - 50	PN16	1.64
49342 - 150	DAT40 x SAFF16 - 150	218.4	150	82	30	DAT40 x SAF25	PNER16 - 100	PN16	1.88
49344	DAT40 x SAFF20 - 100	168.4	100	33	32	DAT40 x SAF25	PNER20 - 50	PN20	1.65
49344 - 150	DAT40 x SAFF20 - 150	218.4	150	83	32	DAT40 x SAF25	PNER20 - 100	PN20	1.91
49346	DAT40 x SAFF25 - 110	178.4	110	28.9	40	DAT40 x SAF40	PNER25 - 50	PN25	2.66
49346 - 160	DAT40 x SAFF25 - 160	228.4	160	78.9	40	DAT40 x SAF40	PNER25 - 100	PN25	3.08
49348	DAT40 x SAFF32 - 120	188.4	120	40.9	50	DAT40 x SAF40	PNER32 - 60	PN32	2.81
49348 - 160	DAT40 x SAFF32 - 160	228.4	160	80.9	50	DAT40 x SAF40	PNER32 - 100	PN32	3.36
49350	DAT50 x SAFF16 - 110	211.75	110	32	30	DAT50 x SAF25	PNER16 - 50	PN16	3.78
49350 - 160	DAT50 x SAFF16 - 160	261.75	160	82	30	DAT50 x SAF25	PNER16 - 100	PN16	4.02
49352	DAT50 x SAFF20 - 110	211.75	110	33	32	DAT50 x SAF25	PNER20 - 50	PN20	3.79
49352 - 160	DAT50 x SAFF20 - 160	261.75	160	83	32	DAT50 x SAF25	PNER20 - 100	PN20	4.05
49354	DAT50 x SAFF25 - 110	211.75	110	28.9	40	DAT40 x SAF40	PNER25 - 50	PN25	4.85
49354 - 160	DAT50 x SAFF25 - 160	261.75	160	78.9	40	DAT40 x SAF40	PNER25 - 100	PN25	5.27
49356	DAT50 x SAFF32 - 120	221.75	120	40.9	50	DAT50 x SAF40	PNER32 - 60	PN32	5.00
49356 - 160	DAT50 x SAFF32 - 160	261.75	160	80.9	50	DAT40 x SAF40	PNER32 - 100	PN32	5.55

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-63	P.W-88	P.W-68~73

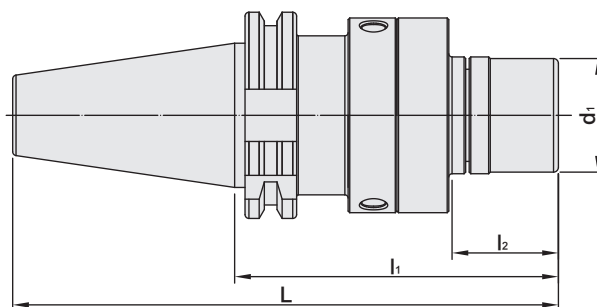
DAT / SAF RUNOUT ADJUSTABLE HOLDER



DAT / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
49362	DAT40 x SAFU16 - 100	168.4	100	32	30	DAT40 x SAF25	UT16 - 50	ER16	1.69
49364	DAT40 x SAFU20 - 100	168.4	100	33	35	DAT40 x SAF25	UT20 - 50	ER20	1.71
49366	DAT40 x SAFU25 - 120	188.4	120	38.9	42	DAT40 x SAF40	UT25 - 60	ER25	2.82
49368	DAT40 x SAFU32 - 120	188.4	120	40.9	48	DAT40 x SAF40	UT32 - 60	ER32	2.85
49370	DAT50 x SAFU16 - 110	211.75	110	32	30	DAT50 x SAF25	UT16 - 50	ER16	3.83
49372	DAT50 x SAFU20 - 110	211.75	110	33	35	DAT50 x SAF25	UT20 - 50	ER20	3.85
49374	DAT50 x SAFU25 - 120	221.75	120	38.9	42	DAT50 x SAF40	UT25 - 60	ER25	5.01
49376	DAT50 x SAFU32 - 120	221.75	120	40.9	48	DAT50 x SAF40	UT32 - 60	ER32	5.04

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73

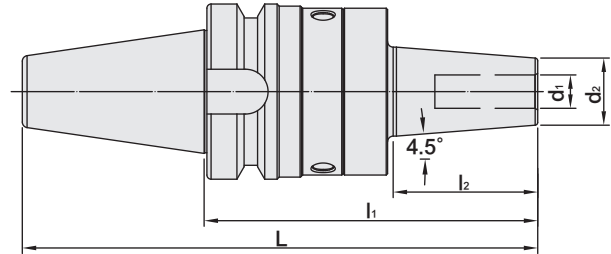


SBT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

4.5°

SBT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
25.783.06C.110	SBT30 x SAFC6 - 110	158.4	110	52	6	21	SBT30 x SAF25	SFC6 - 70	1.13
25.783.08C.110	SBT30 x SAFC8 - 110	158.4	110	52	8	21	SBT30 x SAF25	SFC8 - 70	1.12
25.783.10C.110	SBT30 x SAFC10 - 110	158.4	110	52	10	24	SBT30 x SAF25	SFC10 - 70	1.17
25.783.12C.110	SBT30 x SAFC12 - 110	158.4	110	52	12	24	SBT30 x SAF25	SFC12 - 70	1.15
25.783.16C.115	SBT30 x SAFC16 - 115	163.4	115	57	16	27	SBT30 x SAF25	SFC16 - 75	1.20
26.783.06C.120	SBT40 x SAFC6 - 120	185.4	120	52	6	21	SBT40 x SAF25	SFC6 - 70	1.87
26.783.08C.120	SBT40 x SAFC8 - 120	185.4	120	52	8	21	SBT40 x SAF25	SFC8 - 70	1.86
26.783.10C.120	SBT40 x SAFC10 - 120	185.4	120	52	10	24	SBT40 x SAF25	SFC10 - 70	1.91
26.783.12C.120	SBT40 x SAFC12 - 120	185.4	120	52	12	24	SBT40 x SAF25	SFC12 - 70	1.89
26.783.16C.125	SBT40 x SAFC16 - 125	190.4	125	57	16	27	SBT40 x SAF25	SFC16 - 75	1.94
26.783.20C.130	SBT40 x SAFC20 - 130	195.4	130	60	20	33	SBT40 x SAF40	SFC20 - 80	2.68
26.783.25C.150	SBT40 x SAFC25 - 150	215.4	150	81	25	44	SBT40 x SAF40	SFC25 - 100	3.21
26.783.32C.150	SBT40 x SAFC32 - 150	215.4	150	81	32	44	SBT40 x SAF40	SFC32 - 100	3.07
27.783.06C.130	SBT50 x SAFC6 - 130	231.8	130	52	6	21	SBT50 x SAF25	SFC6 - 70	4.38
27.783.08C.130	SBT50 x SAFC8 - 130	231.8	130	52	8	21	SBT50 x SAF25	SFC8 - 70	4.37
27.783.10C.130	SBT50 x SAFC10 - 130	231.8	130	52	10	24	SBT50 x SAF25	SFC10 - 70	4.42
27.783.12C.130	SBT50 x SAFC12 - 130	231.8	130	52	12	24	SBT50 x SAF25	SFC12 - 70	4.40
27.783.16C.135	SBT50 x SAFC16 - 135	236.8	135	57	16	27	SBT50 x SAF25	SFC16 - 75	4.45
27.783.20C.140	SBT50 x SAFC20 - 140	241.8	140	60	20	33	SBT50 x SAF40	SFC20 - 80	5.30
27.783.25C.160	SBT50 x SAFC25 - 160	261.8	160	81	25	44	SBT50 x SAF40	SFC25 - 100	5.83
27.783.32C.160	SBT50 x SAFC32 - 160	261.8	160	81	32	44	SBT50 x SAF40	SFC32 - 100	5.69

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw



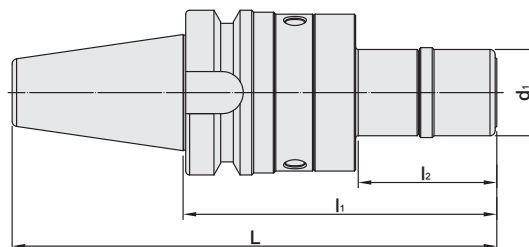
P.W-60~61

P.W-88

SBT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

SBT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
25.783.06K.090	SBT30 x SAFK6 - 90	138.4	90	29	19.5	SBT30 x SAF25	SK306 - 50	SKS6	1.00
25.783.10K.090	SBT30 x SAFK10 - 90	138.4	90	32.5	27.5	SBT30 x SAF25	SK310 - 50	SKS10	1.03
25.783.13K.110	SBT30 x SAFK13 - 110	158.4	110	53	33	SBT30 x SAF25	SK313 - 70	SKS13	1.16
26.783.06K.100	SBT40 x SAFK6 - 100	165.4	100	29	19.5	SBT40 x SAF25	SK306 - 50	SKS6	1.74
26.783.06K.150	SBT40 x SAFK6 - 150	215.4	150	79	19.5	SBT40 x SAF25	SK306 - 100	SKS6	1.83
26.783.10K.100	SBT40 x SAFK10 - 100	165.4	100	32.5	27.5	SBT40 x SAF25	SK310 - 50	SKS10	1.77
26.783.10K.150	SBT40 x SAFK10 - 150	215.4	150	82.5	27.5	SBT40 x SAF25	SK310 - 100	SKS10	1.96
26.783.13K.120	SBT40 x SAFK13 - 120	185.4	120	53	33	SBT40 x SAF25	SK313 - 70	SKS13	1.90
26.783.13K.150	SBT40 x SAFK13 - 150	215.4	150	83	33	SBT40 x SAF25	SK313 - 100	SKS13	2.08
26.783.16K.120	SBT40 x SAFK16 - 120	185.4	120	49.9	40	SBT40 x SAF40	SK316 - 70	SKS16	2.57
26.783.16K.150	SBT40 x SAFK16 - 150	215.4	150	79.9	40	SBT40 x SAF40	SK316 - 100	SKS16	2.83
27.783.06K.110	SBT50 x SAFK6 - 110	211.8	110	29	19.5	SBT50 x SAF25	SK306 - 50	SKS6	4.25
27.783.06K.160	SBT50 x SAFK6 - 160	261.8	160	79	19.5	SBT50 x SAF25	SK306 - 100	SKS6	4.34
27.783.10K.110	SBT50 x SAFK10 - 110	211.8	110	32.5	27.5	SBT50 x SAF25	SK310 - 50	SKS10	4.28
27.783.10K.160	SBT50 x SAFK10 - 160	261.8	160	82.5	27.5	SBT50 x SAF25	SK310 - 100	SKS10	4.47
27.783.13K.130	SBT50 x SAFK13 - 130	231.8	130	53	33	SBT50 x SAF25	SK313 - 70	SKS13	4.41
27.783.13K.160	SBT50 x SAFK13 - 160	261.8	160	83	33	SBT50 x SAF25	SK313 - 100	SKS13	4.59
27.783.16K.130	SBT50 x SAFK16 - 130	231.8	130	49.9	40	SBT50 x SAF40	SK316 - 70	SKS16	5.19
27.783.16K.160	SBT50 x SAFK16 - 160	261.8	160	79.9	40	SBT50 x SAF40	SK316 - 100	SKS16	5.45

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-60~61	P.W-88	P.W-68~73



SBT / SAF RUNOUT ADJUSTABLE HOLDER

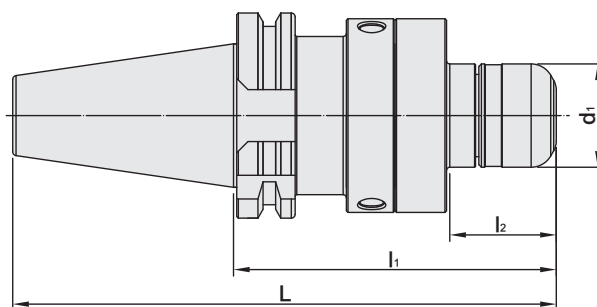
SAF



SBT / SAF 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
25.783.16P.090	SBT30 x SAFF16 - 90	138.4	90	32	30	SBT30 x SAF25	PNER16 - 50	PN16	1.03
25.783.20P.090	SBT30 x SAFF20 - 90	138.4	90	33	32	SBT30 x SAF25	PNER20 - 50	PN20	1.04
26.783.16P.100	SBT40 x SAFF16 - 100	165.4	100	32	30	SBT40 x SAF25	PNER16 - 50	PN16	1.77
26.783.16P.150	SBT40 x SAFF16 - 150	215.4	150	82	30	SBT40 x SAF25	PNER16 - 100	PN16	2.01
26.783.20P.100	SBT40 x SAFF20 - 100	165.4	100	33	32	SBT40 x SAF25	PNER20 - 50	PN20	1.78
26.783.20P.150	SBT40 x SAFF20 - 150	215.4	150	83	32	SBT40 x SAF25	PNER20 - 100	PN20	2.04
26.783.25P.100	SBT40 x SAFF25 - 100	165.4	100	28.9	40	SBT40 x SAF40	PNER25 - 50	PN25	2.42
26.783.25P.150	SBT40 x SAFF25 - 150	215.4	150	78.9	40	SBT40 x SAF40	PNER25 - 100	PN25	2.84
26.783.32P.110	SBT40 x SAFF32 - 110	175.4	110	40.9	50	SBT40 x SAF40	PNER32 - 60	PN32	2.57
26.783.32P.150	SBT40 x SAFF32 - 150	215.4	150	80.9	50	SBT40 x SAF40	PNER32 - 100	PN32	3.12
27.783.16P.110	SBT50 x SAFF16 - 110	211.8	110	32	30	SBT50 x SAF25	PNER16 - 50	PN16	4.28
27.783.16P.160	SBT50 x SAFF16 - 160	261.8	160	82	30	SBT50 x SAF25	PNER16 - 100	PN16	4.52
27.783.20P.110	SBT50 x SAFF20 - 110	211.8	110	33	32	SBT50 x SAF25	PNER20 - 50	PN20	4.29
27.783.20P.160	SBT50 x SAFF20 - 160	261.8	160	83	32	SBT50 x SAF25	PNER20 - 100	PN20	4.55
27.783.25P.110	SBT50 x SAFF25 - 110	211.8	110	28.9	40	SBT50 x SAF40	PNER25 - 50	PN25	5.04
27.783.25P.160	SBT50 x SAFF25 - 160	261.8	160	78.9	40	SBT50 x SAF40	PNER25 - 100	PN25	5.46
27.783.32P.120	SBT50 x SAFF32 - 120	221.8	120	40.9	50	SBT50 x SAF40	PNER32 - 60	PN32	5.19
27.783.32P.160	SBT50 x SAFF32 - 160	261.8	160	80.9	50	SBT50 x SAF40	PNER32 - 100	PN32	5.74

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-60~61	P.W-88	P.W-68~73



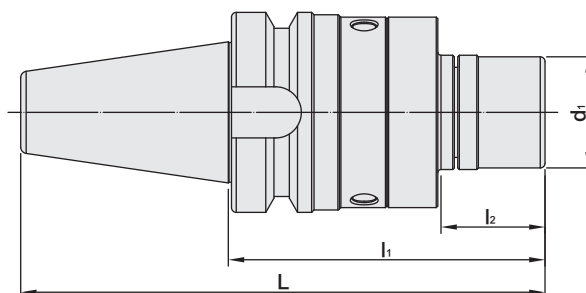
SBT / SAF RUNOUT ADJUSTABLE HOLDER



SBT / SAF 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
25.783.16U.090	SBT30 x SAFU16 - 90	138.4	90	32	30	SBT30 x SAF25	UT16 - 50	ER16	1.08
25.783.20U.090	SBT30 x SAFU20 - 90	138.4	90	33	35	SBT30 x SAF25	UT20 - 50	ER20	1.10
26.783.16U.100	SBT40 x SAFU16 - 100	165.4	100	32	30	SBT30 x SAF25	UT16 - 50	ER16	1.82
26.783.20U.100	SBT40 x SAFU20 - 100	165.4	100	33	35	SBT40 x SAF25	UT20 - 50	ER20	1.84
26.783.25U.110	SBT40 x SAFU25 - 110	175.4	110	38.9	42	SBT40 x SAF40	UT25 - 60	ER25	2.58
26.783.32U.110	SBT40 x SAFU32 - 110	175.4	110	40.9	48	SBT40 x SAF40	UT32 - 60	ER32	2.61
27.783.16U.110	SBT50 x SAFU16 - 110	211.8	110	32	30	SBT50 x SAF25	UT16 - 50	ER16	4.33
27.783.20U.110	SBT50 x SAFU20 - 110	211.8	110	33	35	SBT50 x SAF25	UT20 - 50	ER20	4.35
27.783.25U.120	SBT50 x SAFU25 - 120	221.8	120	38.9	42	SBT50 x SAF40	UT25 - 60	ER25	5.20
27.783.32U.120	SBT50 x SAFU32 - 120	221.8	120	40.9	48	SBT50 x SAF40	UT32 - 60	ER32	5.23

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-60~61	P.W-88	P.W-68~73

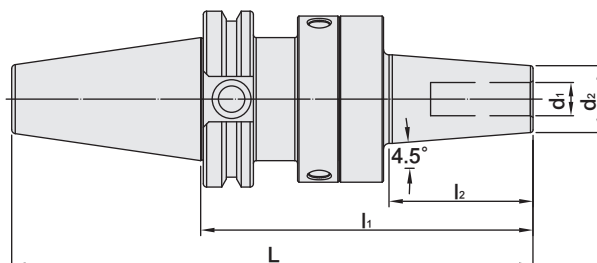


SCAT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

4.5°

SCAT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
43.783.06C.120	SCAT40 x SAFC6 - 120	188.249	120	52	6	21	SCAT40 x SAF25	SFC6 - 70	1.74
43.783.08C.120	SCAT40 x SAFC8 - 120	188.249	120	52	8	21	SCAT40 x SAF25	SFC8 - 70	1.73
43.783.10C.120	SCAT40 x SAFC10 - 120	188.249	120	52	10	24	SCAT40 x SAF25	SFC10 - 70	1.78
43.783.12C.120	SCAT40 x SAFC12 - 120	188.249	120	52	12	24	SCAT40 x SAF25	SFC12 - 70	1.76
43.783.16C.125	SCAT40 x SAFC16 - 125	193.249	125	57	16	27	SCAT40 x SAF25	SFC16 - 75	1.81
43.783.20C.140	SCAT40 x SAFC20 - 140	208.249	140	60	20	33	SCAT40 x SAF40	SFC20 - 80	2.92
43.783.25C.160	SCAT40 x SAFC25 - 160	228.249	160	81	25	44	SCAT40 x SAF40	SFC25 - 100	3.45
43.783.32C.160	SCAT40 x SAFC32 - 160	228.249	160	81	32	44	SCAT40 x SAF40	SFC32 - 100	3.31
44.783.06C.130	SCAT50 x SAFC6 - 130	231.6	130	52	6	21	SCAT50 x SAF25	SFC6 - 70	4.02
44.783.08C.130	SCAT50 x SAFC8 - 130	231.6	130	52	8	21	SCAT50 x SAF25	SFC8 - 70	4.01
44.783.10C.130	SCAT50 x SAFC10 - 130	231.6	130	52	10	24	SCAT50 x SAF25	SFC10 - 70	4.06
44.783.12C.130	SCAT50 x SAFC12 - 130	231.6	130	52	12	24	SCAT50 x SAF25	SFC12 - 70	4.04
44.783.16C.135	SCAT50 x SAFC16 - 135	236.6	135	57	16	27	SCAT50 x SAF25	SFC16 - 75	4.09
44.783.20C.140	SCAT50 x SAFC20 - 140	241.6	140	60	20	33	SCAT50 x SAF40	SFC20 - 80	5.00
44.783.25C.160	SCAT50 x SAFC25 - 160	261.6	160	81	25	44	SCAT50 x SAF40	SFC25 - 100	5.53
44.783.32C.160	SCAT50 x SAFC32 - 160	261.6	160	81	32	44	SCAT50 x SAF40	SFC32 - 100	5.39

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw



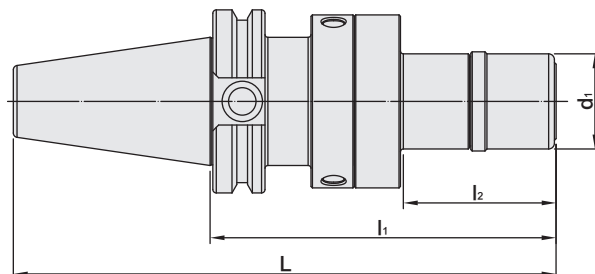
P.W-62

P.W-88

SCAT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

SCAT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
43.783.06K.100	SCAT40 x SAFK6 - 100	168.249	100	29	19.5	SCAT40 x SAF25	SK306 - 50	SKS6	1.61
43.783.06K.150	SCAT40 x SAFK6 - 150	218.249	150	79	19.5	SCAT40 x SAF25	SK306 - 100	SKS6	1.70
43.783.10K.100	SCAT40 x SAFK10 - 100	168.249	100	32.5	27.5	SCAT40 x SAF25	SK310 - 50	SKS10	1.64
43.783.10K.150	SCAT40 x SAFK10 - 150	218.249	150	82.5	27.5	SCAT40 x SAF25	SK310 - 100	SKS10	1.83
43.783.13K.120	SCAT40 x SAFK13 - 120	188.249	120	53	33	SCAT40 x SAF25	SK313 - 70	SKS13	1.77
43.783.13K.150	SCAT40 x SAFK13 - 150	218.249	150	83	33	SCAT40 x SAF25	SK313 - 100	SKS13	1.95
43.783.16K.130	SCAT40 x SAFK16 - 130	198.249	130	49.9	40	SCAT40 x SAF40	SK316 - 70	SKS16	2.81
43.783.16K.160	SCAT40 x SAFK16 - 160	228.249	160	79.9	40	SCAT40 x SAF40	SK316 - 100	SKS16	3.07
44.783.06K.110	SCAT50 x SAFK6 - 110	211.6	110	29	19.5	SCAT50 x SAF25	SK306 - 50	SKS6	3.89
44.783.06K.160	SCAT50 x SAFK6 - 160	261.6	160	79	19.5	SCAT50 x SAF25	SK306 - 100	SKS6	3.98
44.783.10K.110	SCAT50 x SAFK10 - 110	211.6	110	32.5	27.5	SCAT50 x SAF25	SK310 - 50	SKS10	3.92
44.783.10K.160	SCAT50 x SAFK10 - 160	261.6	160	82.5	27.5	SCAT50 x SAF25	SK310 - 100	SKS10	4.11
44.783.13K.130	SCAT50 x SAFK13 - 130	231.6	130	53	33	SCAT50 x SAF25	SK313 - 70	SKS13	4.05
44.783.13K.160	SCAT50 x SAFK13 - 160	261.6	160	83	33	SCAT50 x SAF25	SK313 - 100	SKS13	4.23
44.783.16K.130	SCAT50 x SAFK16 - 130	231.6	130	49.9	40	SCAT50 x SAF40	SK316 - 70	SKS16	4.89
44.783.16K.160	SCAT50 x SAFK16 - 160	261.6	160	79.9	40	SCAT50 x SAF40	SK316 - 100	SKS16	5.15

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-62	P.W-88	P.W-68~73



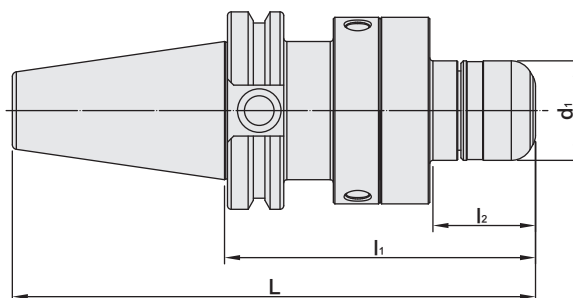
SCAT / SAF RUNOUT ADJUSTABLE HOLDER



SCAT / SAF 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
43.783.16P.100	SCAT40 x SAFP16 - 100	168.249	100	32	30	SCAT40 x SAF25	PNER16 - 50	PN16	1.64
43.783.16P.150	SCAT40 x SAFP16 - 150	218.249	150	82	30	SCAT40 x SAF25	PNER16 - 100	PN16	1.88
43.783.20P.100	SCAT40 x SAFP20 - 100	168.249	100	33	32	SCAT40 x SAF25	PNER20 - 50	PN20	1.65
43.783.20P.150	SCAT40 x SAFP20 - 150	218.249	150	83	32	SCAT40 x SAF25	PNER20 - 100	PN20	1.91
43.783.25P.110	SCAT40 x SAFP25 - 110	178.249	100	28.9	40	SCAT40 x SAF40	PNER25 - 50	PN25	2.66
43.783.25P.160	SCAT40 x SAFP25 - 160	228.249	160	78.9	40	SCAT40 x SAF40	PNER25 - 100	PN25	3.08
43.783.32P.120	SCAT40 x SAFP32 - 120	188.249	120	40.9	50	SCAT40 x SAF40	PNER32 - 60	PN32	2.81
43.783.32P.160	SCAT40 x SAFP32 - 160	228.249	160	80.9	50	SCAT40 x SAF40	PNER32 - 100	PN32	3.36
44.783.16P.110	SCAT50 x SAFP16 - 110	211.6	110	32	30	SCAT50 x SAF25	PNER16 - 50	PN16	3.92
44.783.16P.160	SCAT50 x SAFP16 - 160	261.6	160	82	30	SCAT50 x SAF25	PNER16 - 100	PN16	4.16
44.783.20P.110	SCAT50 x SAFP20 - 110	211.6	110	33	32	SCAT50 x SAF25	PNER20 - 50	PN20	3.93
44.783.20P.160	SCAT50 x SAFP20 - 160	261.6	160	83	32	SCAT50 x SAF25	PNER20 - 100	PN20	4.19
44.783.25P.110	SCAT50 x SAFP25 - 110	211.6	110	28.9	40	SCAT50 x SAF40	PNER25 - 50	PN25	4.74
44.783.25P.160	SCAT50 x SAFP25 - 160	261.6	160	78.9	40	SCAT50 x SAF40	PNER25 - 100	PN25	5.16
44.783.32P.120	SCAT50 x SAFP32 - 120	221.6	120	40.9	50	SCAT50 x SAF40	PNER32 - 60	PN32	4.89
44.783.32P.160	SCAT50 x SAFP32 - 160	261.6	160	80.9	50	SCAT50 x SAF40	PNER32 - 100	PN32	5.44

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

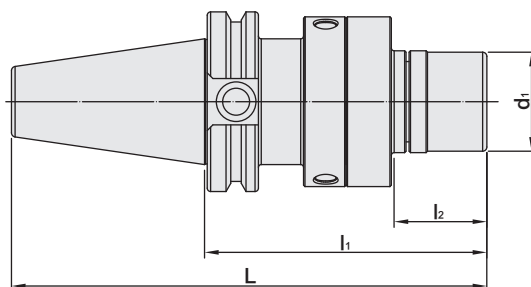
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-62	P.W-88	P.W-68~73

SCAT / SAF RUNOUT ADJUSTABLE HOLDER



SCAT / SAF 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
43.783.16U.100	SCAT40 x SAFU16 - 100	168.249	100	32	30	SCAT30 x SAF25	UT16 - 50	ER16	1.69
43.783.20U.100	SCAT40 x SAFU20 - 100	168.249	100	33	35	SCAT40 x SAF25	UT20 - 50	ER20	1.71
43.783.25U.120	SCAT40 x SAFU25 - 120	188.249	120	38.9	42	SCAT40 x SAF40	UT25 - 60	ER25	2.82
43.783.32U.120	SCAT40 x SAFU32 - 120	188.249	120	40.9	48	SCAT40 x SAF40	UT32 - 60	ER32	2.85
44.783.16U.110	SCAT50 x SAFU16 - 110	211.6	110	32	30	SCAT50 x SAF25	UT16 - 50	ER16	3.97
44.783.20U.110	SCAT50 x SAFU20 - 110	211.6	110	33	35	SCAT50 x SAF25	UT20 - 50	ER20	3.99
44.783.25U.120	SCAT50 x SAFU25 - 120	221.6	120	38.9	42	SCAT50 x SAF40	UT25 - 60	ER25	4.90
44.783.32U.120	SCAT50 x SAFU32 - 120	221.6	120	40.9	48	SCAT50 x SAF40	UT32 - 60	ER32	4.93

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-62	P.W-88	P.W-68~73

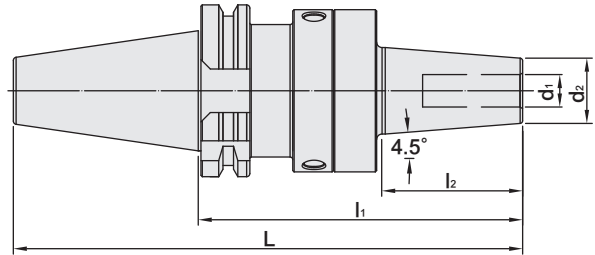


SDAT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

4.5°

SDAT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
66.783.06C.120	SDAT40 x SAF6 - 120	188.4	120	52	6	21	SDAT40 x SAF25	SFC6 - 70	1.76
66.783.08C.120	SDAT40 x SAF8 - 120	188.4	120	52	8	21	SDAT40 x SAF25	SFC8 - 70	1.75
66.783.10C.120	SDAT40 x SAF10 - 120	188.4	120	52	10	24	SDAT40 x SAF25	SFC10 - 70	1.80
66.783.12C.120	SDAT40 x SAF12 - 120	188.4	120	52	12	24	SDAT40 x SAF25	SFC12 - 70	1.78
66.783.16C.125	SDAT40 x SAF16 - 125	193.4	125	57	16	27	SDAT40 x SAF25	SFC16 - 75	1.83
66.783.20C.140	SDAT40 x SAF20 - 140	208.4	140	60	20	33	SDAT40 x SAF40	SFC20 - 80	2.94
66.783.25C.160	SDAT40 x SAF25 - 160	228.4	160	81	25	44	SDAT40 x SAF40	SFC25 - 100	3.47
66.783.32C.160	SDAT40 x SAF32 - 160	228.4	160	81	32	44	SDAT40 x SAF40	SFC32 - 100	3.33
67.783.06C.130	SDAT50 x SAF6 - 130	231.75	130	52	6	21	SDAT50 x SAF25	SFC6 - 70	3.92
67.783.08C.130	SDAT50 x SAF8 - 130	231.75	130	52	8	21	SDAT50 x SAF25	SFC8 - 70	3.91
67.783.10C.130	SDAT50 x SAF10 - 130	231.75	130	52	10	24	SDAT50 x SAF25	SFC10 - 70	3.96
67.783.12C.130	SDAT50 x SAF12 - 130	231.75	130	52	12	24	SDAT50 x SAF25	SFC12 - 70	3.94
67.783.16C.135	SDAT50 x SAF16 - 135	236.75	135	57	16	27	SDAT50 x SAF25	SFC16 - 75	3.99
67.783.20C.140	SDAT50 x SAF20 - 140	241.75	140	60	20	33	SDAT50 x SAF40	SFC20 - 80	5.15
67.783.25C.160	SDAT50 x SAF25 - 160	261.75	160	81	25	44	SDAT50 x SAF40	SFC25 - 100	5.68
67.783.32C.160	SDAT50 x SAF32 - 160	261.75	160	81	32	44	SDAT50 x SAF40	SFC32 - 100	5.54

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Pull Stud

Preset Screw



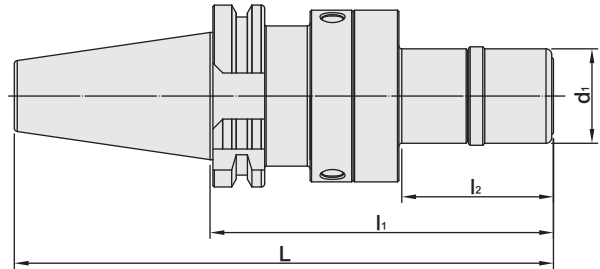
P.W-63

P.W-88

SDAT / SAF RUNOUT ADJUSTABLE HOLDER

Dual
DRIVE+

SDAT / SAF 法蘭加厚型可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
66.783.06K.100	SDAT40 x SAFK6 - 100	168.4	100	29	19.5	SDAT40 x SAF25	SK306 - 50	SKS6	1.63
66.783.06K.150	SDAT40 x SAFK6 - 150	218.4	150	79	19.5	SDAT40 x SAF25	SK306 - 100	SKS6	1.72
66.783.10K.100	SDAT40 x SAFK10 - 100	168.4	100	32.5	27.5	SDAT40 x SAF25	SK310 - 50	SKS10	1.66
66.783.10K.150	SDAT40 x SAFK10 - 150	218.4	150	82.5	27.5	SDAT40 x SAF25	SK310 - 100	SKS10	1.85
66.783.13K.120	SDAT40 x SAFK13 - 120	188.4	120	53	33	SDAT40 x SAF25	SK313 - 70	SKS13	1.79
66.783.13K.150	SDAT40 x SAFK13 - 150	218.4	150	83	33	SDAT40 x SAF25	SK313 - 100	SKS13	1.97
66.783.16K.130	SDAT40 x SAFK16 - 130	198.4	130	49.9	40	SDAT40 x SAF40	SK316 - 70	SKS16	2.83
66.783.16K.160	SDAT40 x SAFK16 - 160	228.4	160	79.9	40	SDAT40 x SAF40	SK316 - 100	SKS16	3.09
67.783.06K.110	SDAT50 x SAFK6 - 110	211.75	110	29	19.5	SDAT50 x SAF25	SK306 - 50	SKS6	3.79
67.783.06K.160	SDAT50 x SAFK6 - 160	261.75	160	79	19.5	SDAT50 x SAF25	SK306 - 100	SKS6	3.88
67.783.10K.110	SDAT50 x SAFK10 - 110	211.75	110	32.5	27.5	SDAT50 x SAF25	SK310 - 50	SKS10	3.82
67.783.10K.160	SDAT50 x SAFK10 - 160	261.75	160	82.5	27.5	SDAT50 x SAF25	SK310 - 100	SKS10	4.01
67.783.13K.130	SDAT50 x SAFK13 - 130	231.75	130	53	33	SDAT50 x SAF25	SK313 - 70	SKS13	3.95
67.783.13K.160	SDAT50 x SAFK13 - 160	261.75	160	83	33	SDAT50 x SAF25	SK313 - 100	SKS13	4.13
67.783.16K.130	SDAT50 x SAFK16 - 130	231.75	130	49.9	40	SDAT50 x SAF40	SK316 - 70	SKS16	5.04
67.783.16K.160	SDAT50 x SAFK16 - 160	261.75	160	79.9	40	SDAT50 x SAF40	SK316 - 100	SKS16	5.30

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-63	P.W-88	P.W-68~73



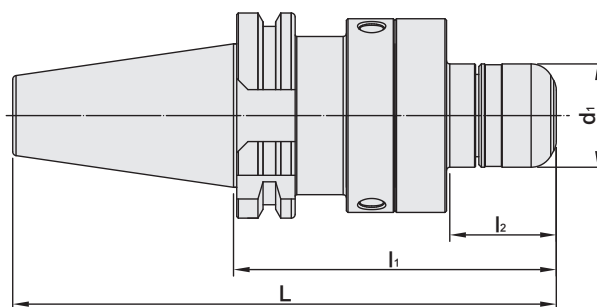
SDAT / SAF RUNOUT ADJUSTABLE HOLDER



SDAT / SAFP 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
66.783.16P.100	SDAT40 x SAFP16 - 100	168.4	100	32	30	SDAT40 x SAF25	PNER16 - 50	PN16	1.66
66.783.16P.150	SDAT40 x SAFP16 - 150	218.4	150	82	30	SDAT40 x SAF25	PNER16 - 100	PN16	1.90
66.783.20P.100	SDAT40 x SAFP20 - 100	168.4	100	33	32	SDAT40 x SAF25	PNER20 - 50	PN20	1.67
66.783.20P.150	SDAT40 x SAFP20 - 150	218.4	150	83	32	SDAT40 x SAF25	PNER20 - 100	PN20	1.93
66.783.25P.110	SDAT40 x SAFP25 - 110	178.4	110	28.9	40	SDAT40 x SAF40	PNER25 - 50	PN25	2.68
66.783.25P.160	SDAT40 x SAFP25 - 160	228.4	160	78.9	40	SDAT40 x SAF40	PNER25 - 100	PN25	3.10
66.783.32P.120	SDAT40 x SAFP32 - 120	188.4	120	40.9	50	SDAT40 x SAF40	PNER32 - 60	PN32	2.83
66.783.32P.160	SDAT40 x SAFP32 - 160	228.4	160	80.9	50	SDAT40 x SAF40	PNER32 - 100	PN32	3.38
67.783.16P.110	SDAT50 x SAFP16 - 110	211.75	110	32	30	SDAT50 x SAF25	PNER16 - 50	PN16	3.82
67.783.16P.160	SDAT50 x SAFP16 - 160	261.75	160	82	30	SDAT50 x SAF25	PNER16 - 100	PN16	4.06
67.783.20P.110	SDAT50 x SAFP20 - 110	211.75	110	33	32	SDAT50 x SAF25	PNER20 - 50	PN20	3.83
67.783.20P.160	SDAT50 x SAFP20 - 160	261.75	160	83	32	SDAT50 x SAF25	PNER20 - 100	PN20	4.09
67.783.25P.110	SDAT50 x SAFP25 - 110	211.75	110	28.9	40	SDAT50 x SAF40	PNER25 - 50	PN25	4.89
67.783.25P.160	SDAT50 x SAFP25 - 160	261.75	160	78.9	40	SDAT50 x SAF40	PNER25 - 100	PN25	5.31
67.783.32P.120	SDAT50 x SAFP32 - 120	221.75	120	40.9	50	SDAT50 x SAF40	PNER32 - 60	PN32	5.04
67.783.32P.160	SDAT50 x SAFP32 - 160	261.75	160	80.9	50	SDAT50 x SAF40	PNER32 - 100	PN32	5.59

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

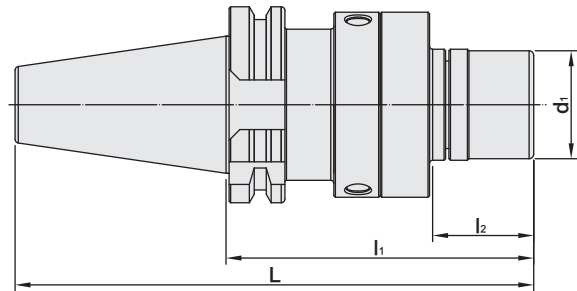
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-5	P.W-45	P.W-63	P.W-88	P.W-68~73

SDAT / SAF RUNOUT ADJUSTABLE HOLDER



SDAT / SAF 法蘭加厚型可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
66.783.16U.100	SDAT40 x SAFU16 - 100	168.4	100	32	30	SDAT40 x SAF25	UT16 - 50	ER16	1.71
66.783.20U.100	SDAT40 x SAFU20 - 100	168.4	100	33	35	SDAT40 x SAF25	UT20 - 50	ER20	1.73
66.783.25U.120	SDAT40 x SAFU25 - 120	188.4	120	38.9	42	SDAT40 x SAF40	UT25 - 60	ER25	2.84
66.783.32U.120	SDAT40 x SAFU32 - 120	188.4	120	40.9	48	SDAT40 x SAF40	UT32 - 60	ER32	2.87
67.783.16U.110	SDAT50 x SAFU16 - 110	211.75	110	32	30	SDAT50 x SAF25	UT16 - 50	ER16	3.87
67.783.20U.110	SDAT50 x SAFU20 - 110	211.75	110	33	35	SDAT50 x SAF25	UT20 - 50	ER20	3.89
67.783.25U.120	SDAT50 x SAFU25 - 120	221.75	120	38.9	42	SDAT50 x SAF40	UT25 - 60	ER25	5.05
67.783.32U.120	SDAT50 x SAFU32 - 120	221.75	120	40.9	48	SDAT50 x SAF40	UT32 - 60	ER32	5.08

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

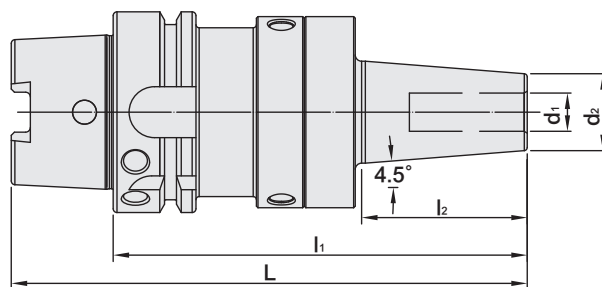
Collet	Nut	Pull Stud	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-63	P.W-88	P.W-68~73



HSK / SAF RUNOUT ADJUSTABLE HOLDER

4.5°

HSK / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
39512	HSK40A x SAF6 - 130	150	130	52	6	21	HSK40A x SAF25	SFC6 - 70	1.22
39514	HSK40A x SAF8 - 130	150	130	52	8	21	HSK40A x SAF25	SFC8 - 70	1.21
39516	HSK40A x SAF10 - 130	150	130	52	10	24	HSK40A x SAF25	SFC10 - 70	1.26
39518	HSK40A x SAF12 - 130	150	130	52	12	24	HSK40A x SAF25	SFC12 - 70	1.24
39520	HSK40A x SAF16 - 135	155	135	57	16	27	HSK40A x SAF25	SFC16 - 75	1.29
39522	HSK50A x SAF6 - 130	155	130	52	6	21	HSK50A x SAF25	SFC6 - 70	1.34
39524	HSK50A x SAF8 - 130	155	130	52	8	21	HSK50A x SAF25	SFC8 - 70	1.33
39526	HSK50A x SAF10 - 130	155	130	52	10	24	HSK50A x SAF25	SFC10 - 70	1.38
39528	HSK50A x SAF12 - 130	155	130	52	12	24	HSK50A x SAF25	SFC12 - 70	1.36
39530	HSK50A x SAF16 - 135	160	135	57	16	27	HSK50A x SAF25	SFC16 - 75	1.41
39532	HSK63A x SAF6 - 130	162	130	52	6	21	HSK63A x SAF25	SFC6 - 70	1.68
39534	HSK63A x SAF8 - 130	162	130	52	8	21	HSK63A x SAF25	SFC8 - 70	1.67
39536	HSK63A x SAF10 - 130	162	130	52	10	24	HSK63A x SAF25	SFC10 - 70	1.72
39538	HSK63A x SAF12 - 130	162	130	52	12	24	HSK63A x SAF25	SFC12 - 70	1.70
39540	HSK63A x SAF16 - 135	167	135	57	16	27	HSK63A x SAF25	SFC16 - 75	1.75
39542	HSK63A x SAF20 - 140	172	140	60	20	33	HSK63A x SAF40	SFC20 - 80	2.55
39544	HSK63A x SAF25 - 160	192	160	81	25	44	HSK63A x SAF40	SFC25 - 100	3.08
39546	HSK63A x SAF32 - 160	192	160	81	32	44	HSK63A x SAF40	SFC32 - 100	2.94
39548	HSK80A x SAF6 - 120	160	120	52	6	21	HSK80A x SAF25	SFC6 - 70	1.99
39550	HSK80A x SAF8 - 120	160	120	52	8	21	HSK80A x SAF25	SFC8 - 70	1.98
39552	HSK80A x SAF10 - 120	160	120	52	10	24	HSK80A x SAF25	SFC10 - 70	2.03
39554	HSK80A x SAF12 - 120	160	120	52	12	24	HSK80A x SAF25	SFC12 - 70	2.01
39556	HSK80A x SAF16 - 125	165	125	57	16	27	HSK80A x SAF25	SFC16 - 75	2.06
39558	HSK80A x SAF20 - 140	180	140	60	20	33	HSK80A x SAF40	SFC20 - 80	3.14
39560	HSK80A x SAF25 - 160	200	160	81	25	44	HSK80A x SAF40	SFC25 - 100	3.67
39562	HSK80A x SAF32 - 160	200	160	81	32	44	HSK80A x SAF40	SFC32 - 100	3.53
39564	HSK100A x SAF6 - 125	175	125	52	6	21	HSK100A x SAF25	SFC6 - 70	2.93
39566	HSK100A x SAF8 - 125	175	125	52	8	21	HSK100A x SAF25	SFC8 - 70	2.92
39568	HSK100A x SAF10 - 125	175	125	52	10	24	HSK100A x SAF25	SFC10 - 70	2.97
39570	HSK100A x SAF12 - 125	175	125	52	12	24	HSK100A x SAF25	SFC12 - 70	2.95
39572	HSK100A x SAF16 - 130	180	130	57	16	27	HSK100A x SAF25	SFC16 - 75	3.00
39574	HSK100A x SAF20 - 135	185	135	60	20	33	HSK100A x SAF40	SFC20 - 80	3.92
39576	HSK100A x SAF25 - 155	205	155	81	25	44	HSK100A x SAF40	SFC25 - 100	4.45
39578	HSK100A x SAF32 - 155	205	155	81	32	44	HSK100A x SAF40	SFC32 - 100	4.31

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Preset Screw

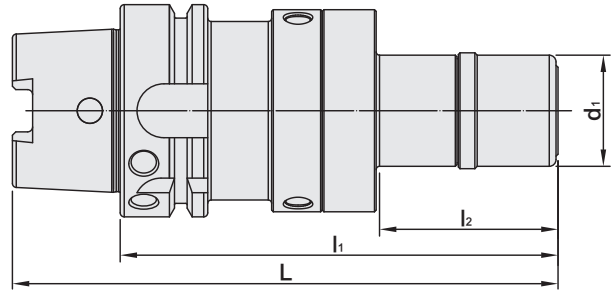


P.W-88



HSK / SAF RUNOUT ADJUSTABLE HOLDER

HSK / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
39352	HSK40A x SAFK6 - 110	130	110	29	19.5	HSK40A x SAF25	SK306 - 50	SKS6	1.09
39354	HSK40A x SAFK6 - 160	180	160	79	19.5	HSK40A x SAF25	SK306 - 100	SKS6	1.18
39356	HSK40A x SAFK10 - 110	130	110	32.5	27.5	HSK40A x SAF25	SK310 - 50	SKS10	1.12
39358	HSK40A x SAFK10 - 160	180	160	82.5	27.5	HSK40A x SAF25	SK310 - 100	SKS10	1.31
39360	HSK40A x SAFK13 - 130	150	130	53	33	HSK40A x SAF25	SK313 - 70	SKS13	1.25
39362	HSK40A x SAFK13 - 160	180	160	83	33	HSK40A x SAF25	SK313 - 100	SKS13	1.43
39364	HSK50A x SAFK6 - 110	135	110	29	19.5	HSK50A x SAF25	SK306 - 50	SKS6	1.21
39366	HSK50A x SAFK6 - 160	185	160	79	19.5	HSK50A x SAF25	SK306 - 100	SKS6	1.30
39368	HSK50A x SAFK10 - 110	135	110	32.5	27.5	HSK50A x SAF25	SK310 - 50	SKS10	1.24
39370	HSK50A x SAFK10 - 160	185	160	82.5	27.5	HSK50A x SAF25	SK310 - 100	SKS10	1.43
39372	HSK50A x SAFK13 - 130	155	130	53	33	HSK50A x SAF25	SK313 - 70	SKS13	1.37
39374	HSK50A x SAFK13 - 160	185	160	83	33	HSK50A x SAF25	SK313 - 100	SKS13	1.55
39376	HSK63A x SAFK6 - 110	142	110	29	19.5	HSK63A x SAF25	SK306 - 50	SKS6	1.55
39378	HSK63A x SAFK6 - 160	192	160	79	19.5	HSK63A x SAF25	SK306 - 100	SKS6	1.64
39380	HSK63A x SAFK10 - 110	142	110	32.5	27.5	HSK63A x SAF25	SK310 - 50	SKS10	1.58
39382	HSK63A x SAFK10 - 160	192	160	82.5	27.5	HSK63A x SAF25	SK310 - 100	SKS10	1.77
39384	HSK63A x SAFK13 - 130	162	130	53	33	HSK63A x SAF25	SK313 - 70	SKS13	1.71
39386	HSK63A x SAFK13 - 160	192	160	83	33	HSK63A x SAF25	SK313 - 100	SKS13	1.89
39388	HSK63A x SAFK16 - 130	162	130	49.9	40	HSK63A x SAF40	SK316 - 70	SKS16	2.44
39390	HSK63A x SAFK16 - 160	192	160	79.9	40	HSK63A x SAF40	SK316 - 100	SKS16	2.70

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

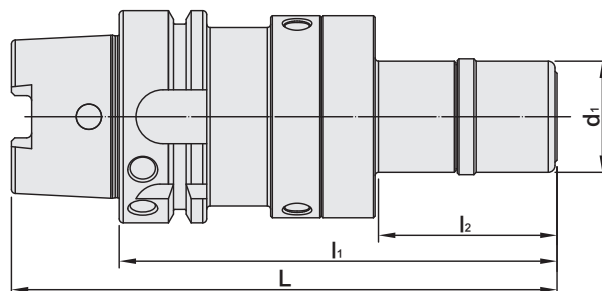
Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-88	P.W-68~73



HSK / SAF RUNOUT ADJUSTABLE HOLDER

HSK / SAF 可調式刀桿





MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
39392	HSK80A x SAFK6 - 100	140	100	29	19.5	HSK80A x SAF25	SK306 - 50	SKS6	1.86
39394	HSK80A x SAFK6 - 150	190	150	79	19.5	HSK80A x SAF25	SK306 - 100	SKS6	1.95
39396	HSK80A x SAFK10 - 100	140	100	32.5	27.5	HSK80A x SAF25	SK310 - 50	SKS10	1.89
39398	HSK80A x SAFK10 - 150	190	150	82.5	27.5	HSK80A x SAF25	SK310 - 100	SKS10	2.08
39400	HSK80A x SAFK13 - 120	160	120	53	33	HSK80A x SAF25	SK313 - 70	SKS13	2.02
39402	HSK80A x SAFK13 - 150	190	150	83	33	HSK80A x SAF25	SK313 - 100	SKS13	2.20
39404	HSK80A x SAFK16 - 130	170	130	49.9	40	HSK80A x SAF40	SK316 - 70	SKS16	3.03
39406	HSK80A x SAFK16 - 160	200	160	79.9	40	HSK80A x SAF40	SK316 - 100	SKS16	3.29
39408	HSK100A x SAFK6 - 105	155	105	29	19.5	HSK100A x SAF25	SK306 - 50	SKS6	2.80
39410	HSK100A x SAFK6 - 155	205	155	79	19.5	HSK100A x SAF25	SK306 - 100	SKS6	2.89
39412	HSK100A x SAFK10 - 105	155	105	32.5	27.5	HSK100A x SAF25	SK310 - 50	SKS10	2.83
39414	HSK100A x SAFK10 - 155	205	155	82.5	27.5	HSK100A x SAF25	SK310 - 100	SKS10	3.02
39416	HSK100A x SAFK13 - 125	175	125	53	33	HSK100A x SAF25	SK313 - 70	SKS13	2.96
39418	HSK100A x SAFK13 - 155	205	155	83	33	HSK100A x SAF25	SK313 - 100	SKS13	3.14
39420	HSK100A x SAFK16 - 125	175	125	49.9	40	HSK100A x SAF40	SK316 - 70	SKS16	3.81
39422	HSK100A x SAFK16 - 155	205	155	79.9	40	HSK100A x SAF40	SK316 - 100	SKS16	4.07

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

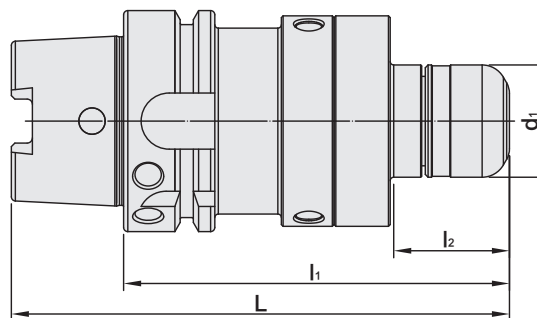
Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
			
P.W-29~32	P.W-52	P.W-88	P.W-68~73

HSK / SAF RUNOUT ADJUSTABLE HOLDER



HSK / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
39432	HSK40A x SAFF16 - 110	130	110	32	30	HSK63A x SAF25	PNER16 - 50	PN16	1.12
39432 - 160	HSK40A x SAFF16 - 160	180	160	82	30	HSK63A x SAF25	PNER16 - 100	PN16	1.36
39434	HSK40A x SAFF20 - 110	130	110	33	32	HSK63A x SAF25	PNER20 - 50	PN20	1.13
39434 - 160	HSK40A x SAFF20 - 160	180	160	83	32	HSK63A x SAF25	PNER20 - 100	PN20	1.39
39436	HSK50A x SAFF16 - 110	135	110	32	30	HSK63A x SAF25	PNER25 - 50	PN25	1.24
39436 - 160	HSK50A x SAFF16 - 160	185	160	82	30	HSK63A x SAF25	PNER25 - 100	PN25	1.48
39438	HSK50A x SAFF20 - 110	135	110	33	32	HSK63A x SAF25	PNER32 - 60	PN32	1.25
39438 - 160	HSK50A x SAFF20 - 160	185	160	83	32	HSK63A x SAF25	PNER32 - 100	PN32	1.51
39440	HSK63A x SAFF16 - 110	142	110	32	30	HSK63A x SAF25	PNER16 - 50	PN16	1.58
39440 - 160	HSK63A x SAFF16 - 160	192	160	82	30	HSK63A x SAF25	PNER16 - 100	PN16	1.82
39442	HSK63A x SAFF20 - 110	142	110	33	32	HSK63A x SAF25	PNER20 - 50	PN20	1.59
39442 - 160	HSK63A x SAFF20 - 160	192	160	83	32	HSK63A x SAF25	PNER20 - 100	PN20	1.85
39444	HSK63A x SAFF25 - 110	142	110	28.9	40	HSK63A x SAF40	PNER25 - 50	PN25	2.29
39444 - 160	HSK63A x SAFF25 - 160	192	160	78.9	40	HSK63A x SAF40	PNER25 - 100	PN25	2.71
39446	HSK63A x SAFF32 - 120	152	120	40.9	50	HSK63A x SAF40	PNER32 - 60	PN32	2.44
39446 - 160	HSK63A x SAFF32 - 160	192	160	80.9	50	HSK63A x SAF40	PNER32 - 100	PN32	2.99
39448	HSK80A x SAFF16 - 100	140	100	32	30	HSK80A x SAF25	PNER16 - 50	PN16	1.89
39448 - 150	HSK80A x SAFF16 - 150	190	150	82	30	HSK80A x SAF25	PNER16 - 100	PN16	2.13
39450	HSK80A x SAFF20 - 100	140	100	33	32	HSK80A x SAF25	PNER20 - 50	PN20	1.90
39450 - 150	HSK80A x SAFF20 - 150	190	150	83	32	HSK80A x SAF25	PNER20 - 100	PN20	2.16
39452	HSK80A x SAFF25 - 110	150	110	28.9	40	HSK80A x SAF40	PNER25 - 50	PN25	2.88
39452 - 160	HSK80A x SAFF25 - 160	200	160	78.9	40	HSK80A x SAF40	PNER25 - 100	PN25	3.30
39454	HSK80A x SAFF32 - 120	160	120	40.9	50	HSK80A x SAF40	PNER32 - 60	PN32	3.03
39454 - 160	HSK80A x SAFF32 - 160	200	160	80.9	50	HSK80A x SAF40	PNER32 - 100	PN32	3.58
39456	HSK100A x SAFF16 - 105	155	105	32	30	HSK100A x SAF25	PNER16 - 50	PN16	2.83
39456 - 155	HSK100A x SAFF16 - 155	205	155	82	30	HSK100A x SAF25	PNER16 - 100	PN16	3.07
39458	HSK100A x SAFF20 - 105	155	105	33	32	HSK100A x SAF25	PNER20 - 50	PN20	2.84
39458 - 155	HSK100A x SAFF20 - 155	205	155	83	32	HSK100A x SAF25	PNER20 - 100	PN20	3.10
39460	HSK100A x SAFF25 - 105	155	105	28.9	40	HSK100A x SAF40	PNER25 - 50	PN25	3.66
39460 - 155	HSK100A x SAFF25 - 155	205	155	78.9	40	HSK100A x SAF40	PNER25 - 100	PN25	4.08
39462	HSK100A x SAFF32 - 115	165	115	40.9	50	HSK100A x SAF40	PNER32 - 60	PN32	3.81
39462 - 155	HSK100A x SAFF32 - 155	205	155	80.9	50	HSK100A x SAF40	PNER32 - 100	PN32	4.36

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

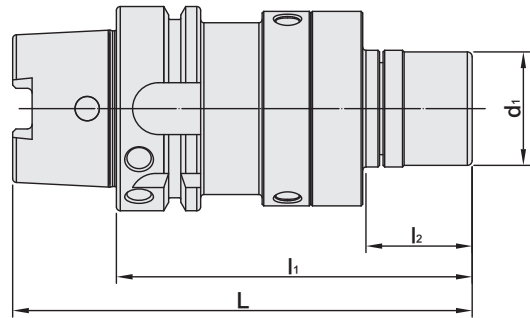
Collet	Nut	Preset Screw	Spanner
P.W-5	P.W-45	P.W-88	P.W-68~73



HSK / SAF RUNOUT ADJUSTABLE HOLDER



HSK / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
39472	HSK40A x SAFU16 - 110	130	110	32	30	HSK40A x SAF25	UT16 - 50	ER16	1.17
39474	HSK40A x SAFU20 - 110	130	110	33	35	HSK40A x SAF25	UT20 - 50	ER20	1.19
39476	HSK50A x SAFU16 - 110	135	110	32	30	HSK50A x SAF25	UT16 - 50	ER16	1.29
39478	HSK50A x SAFU20 - 110	135	110	33	35	HSK50A x SAF25	UT20 - 50	ER20	1.31
39480	HSK63A x SAFU16 - 110	142	110	32	30	HSK63A x SAF25	UT16 - 50	ER16	1.63
39482	HSK63A x SAFU20 - 110	142	110	33	35	HSK63A x SAF25	UT20 - 50	ER20	1.65
39484	HSK63A x SAFU25 - 120	152	120	38.9	42	HSK63A x SAF40	UT25 - 60	ER25	2.45
39486	HSK63A x SAFU32 - 120	152	120	40.9	48	HSK63A x SAF40	UT32 - 60	ER32	2.48
39488	HSK80A x SAFU16 - 100	140	100	32	30	HSK80A x SAF25	UT16 - 50	ER16	1.94
39490	HSK80A x SAFU20 - 100	140	100	33	35	HSK80A x SAF25	UT20 - 50	ER20	1.96
39492	HSK80A x SAFU25 - 120	160	120	38.9	42	HSK80A x SAF25	UT25 - 60	ER25	3.04
39494	HSK80A x SAFU32 - 120	160	120	40.9	48	HSK80A x SAF25	UT32 - 60	ER32	3.07
39496	HSK100A x SAFU16 - 105	155	105	32	30	HSK100A x SAF25	UT16 - 50	ER16	2.88
39498	HSK100A x SAFU20 - 105	155	105	33	35	HSK100A x SAF25	UT20 - 50	ER20	2.90
39500	HSK100A x SAFU25 - 115	165	115	38.9	42	HSK100A x SAF40	UT25 - 60	ER25	3.82
39502	HSK100A x SAFU32 - 115	165	115	40.9	48	HSK100A x SAF40	UT32 - 60	ER32	3.85

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

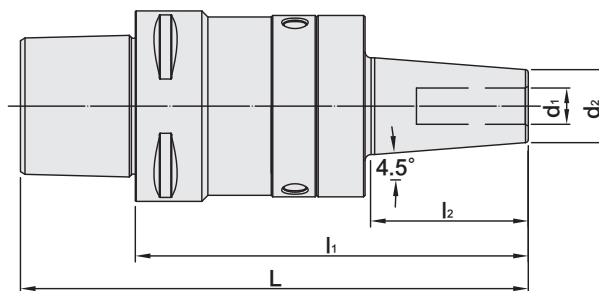
Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-88	P.W-68~73

PSC / SAF RUNOUT ADJUSTABLE HOLDER

4.5°

PSC / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
141.783.06C.125	PSC40 x SAFC6 - 125	149	125	52	6	21	PSC40 x SAF25	SFC6 - 70	1.28
141.783.08C.125	PSC40 x SAFC8 - 125	149	125	52	8	21	PSC40 x SAF25	SFC8 - 70	1.27
141.783.10C.125	PSC40 x SAFC10 - 125	149	125	52	10	24	PSC40 x SAF25	SFC10 - 70	1.32
141.783.12C.125	PSC40 x SAFC12 - 125	149	125	52	12	24	PSC40 x SAF25	SFC12 - 70	1.30
141.783.16C.130	PSC40 x SAFC16 - 130	154	130	57	16	27	PSC40 x SAF25	SFC16 - 75	1.35
142.783.06C.130	PSC50 x SAFC6 - 130	160	130	52	6	21	PSC50 x SAF25	SFC6 - 70	1.62
142.783.08C.130	PSC50 x SAFC8 - 130	160	130	52	8	21	PSC50 x SAF25	SFC8 - 70	1.61
142.783.10C.130	PSC50 x SAFC10 - 130	160	130	52	10	24	PSC50 x SAF25	SFC10 - 70	1.66
142.783.12C.130	PSC50 x SAFC12 - 130	160	130	52	12	24	PSC50 x SAF25	SFC12 - 70	1.64
142.783.16C.135	PSC50 x SAFC16 - 135	165	135	57	16	27	PSC50 x SAF25	SFC16 - 75	1.69
143.783.06C.130	PSC63 x SAFC6 - 130	168	130	52	6	21	PSC63 x SAF25	SFC6 - 70	1.97
143.783.08C.130	PSC63 x SAFC8 - 130	168	130	52	8	21	PSC63 x SAF25	SFC8 - 70	1.96
143.783.10C.130	PSC63 x SAFC10 - 130	168	130	52	10	24	PSC63 x SAF25	SFC10 - 70	2.01
143.783.12C.130	PSC63 x SAFC12 - 130	168	130	52	12	24	PSC63 x SAF25	SFC12 - 70	1.99
143.783.16C.135	PSC63 x SAFC16 - 135	173	135	57	16	27	PSC63 x SAF25	SFC16 - 75	2.04
143.783.20C.140	PSC63 x SAFC20 - 140	178	140	60	20	33	PSC63 x SAF40	SFC20 - 80	3.01
143.783.25C.160	PSC63 x SAFC25 - 160	198	160	81	25	44	PSC63 x SAF40	SFC25 - 100	3.54
143.783.32C.160	PSC63 x SAFC32 - 160	198	160	81	32	44	PSC63 x SAF40	SFC32 - 100	3.40
144.783.06C.120	PSC80 x SAFC6 - 120	168	120	52	6	21	PSC80 x SAF25	SFC6 - 70	2.55
144.783.08C.120	PSC80 x SAFC8 - 120	168	120	52	8	21	PSC80 x SAF25	SFC8 - 70	2.54
144.783.10C.120	PSC80 x SAFC10 - 120	168	120	52	10	24	PSC80 x SAF25	SFC10 - 70	2.59
144.783.12C.120	PSC80 x SAFC12 - 120	168	120	52	12	24	PSC80 x SAF25	SFC12 - 70	2.57
144.783.16C.125	PSC80 x SAFC16 - 125	173	125	57	16	27	PSC80 x SAF25	SFC16 - 75	2.62
144.783.20C.140	PSC80 x SAFC20 - 140	188	140	60	20	33	PSC80 x SAF40	SFC20 - 80	3.81
144.783.25C.160	PSC80 x SAFC25 - 160	208	160	81	25	44	PSC80 x SAF40	SFC25 - 100	4.34
144.783.32C.160	PSC80 x SAFC32 - 160	208	160	81	32	44	PSC80 x SAF40	SFC32 - 100	4.20

Features:

- ▶ Flange adapter: SFC.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Preset Screw

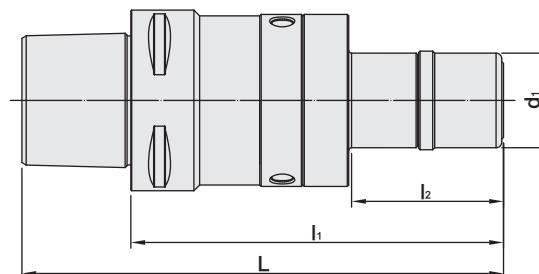


P.W-88



PSC / SAF RUNOUT ADJUSTABLE HOLDER

PSC / SAF 可調式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
141.783.06K.105	PSC40 x SAFK6 - 105	129	105	29	19.5	PSC40 x SAF25	SK306 - 50	SKS6	1.15
141.783.06K.155	PSC40 x SAFK6 - 155	179	155	79	19.5	PSC40 x SAF25	SK306 - 100	SKS6	1.24
141.783.10K.105	PSC40 x SAFK10 - 105	129	105	32.5	27.5	PSC40 x SAF25	SK310 - 50	SKS10	1.18
141.783.10K.155	PSC40 x SAFK10 - 155	179	155	82.5	27.5	PSC40 x SAF25	SK310 - 100	SKS10	1.37
141.783.13K.125	PSC40 x SAFK13 - 125	149	125	53	33	PSC40 x SAF25	SK313 - 70	SKS13	1.31
141.783.13K.155	PSC40 x SAFK13 - 155	179	155	83	33	PSC40 x SAF25	SK313 - 100	SKS13	1.49
142.783.06K.110	PSC50 x SAFK6 - 110	140	110	29	19.5	PSC50 x SAF25	SK306 - 50	SKS6	1.49
142.783.06K.160	PSC50 x SAFK6 - 160	190	160	79	19.5	PSC50 x SAF25	SK306 - 100	SKS6	1.58
142.783.10K.110	PSC50 x SAFK10 - 110	140	110	32.5	27.5	PSC50 x SAF25	SK310 - 50	SKS10	1.52
142.783.10K.160	PSC50 x SAFK10 - 160	190	160	82.5	27.5	PSC50 x SAF25	SK310 - 100	SKS10	1.71
142.783.13K.130	PSC50 x SAFK13 - 130	160	130	53	33	PSC50 x SAF25	SK313 - 70	SKS13	1.65
142.783.13K.160	PSC50 x SAFK13 - 160	190	160	83	33	PSC50 x SAF25	SK313 - 100	SKS13	1.83
143.783.06K.110	PSC63 x SAFK6 - 110	148	110	29	19.5	PSC63 x SAF25	SK306 - 50	SKS6	1.84
143.783.06K.160	PSC63 x SAFK6 - 160	198	160	79	19.5	PSC63 x SAF25	SK306 - 100	SKS6	1.93
143.783.10K.110	PSC63 x SAFK10 - 110	148	110	32.5	27.5	PSC63 x SAF25	SK310 - 50	SKS10	1.87
143.783.10K.160	PSC63 x SAFK10 - 160	198	160	82.5	27.5	PSC63 x SAF25	SK310 - 100	SKS10	2.06
143.783.13K.130	PSC63 x SAFK13 - 130	168	130	53	33	PSC63 x SAF25	SK313 - 70	SKS13	2.00
143.783.13K.160	PSC63 x SAFK13 - 160	198	160	83	33	PSC63 x SAF25	SK313 - 100	SKS13	2.18
143.783.16K.130	PSC63 x SAFK16 - 130	168	130	49.9	40	PSC63 x SAF40	SK316 - 70	SKS16	2.90
143.783.16K.160	PSC63 x SAFK16 - 160	198	160	79.9	40	PSC63 x SAF40	SK316 - 100	SKS16	3.16
144.783.06K.100	PSC80 x SAFK6 - 100	148	100	29	19.5	PSC80 x SAF25	SK306 - 50	SKS6	2.42
144.783.06K.150	PSC80 x SAFK6 - 150	198	150	79	19.5	PSC80 x SAF25	SK306 - 100	SKS6	2.51
144.783.10K.100	PSC80 x SAFK10 - 100	148	100	32.5	27.5	PSC80 x SAF25	SK310 - 50	SKS10	2.45
144.783.10K.150	PSC80 x SAFK10 - 150	198	150	82.5	27.5	PSC80 x SAF25	SK310 - 100	SKS10	2.64
144.783.13K.120	PSC80 x SAFK13 - 120	168	120	53	33	PSC80 x SAF25	SK313 - 70	SKS13	2.58
144.783.13K.150	PSC80 x SAFK13 - 150	198	150	83	33	PSC80 x SAF25	SK313 - 100	SKS13	2.76
144.783.16K.130	PSC80 x SAFK16 - 130	178	130	49.9	40	PSC80 x SAF40	SK316 - 70	SKS16	3.70
144.783.16K.160	PSC80 x SAFK16 - 160	208	160	79.9	40	PSC80 x SAF40	SK316 - 100	SKS16	3.96

Features:

- ▶ Flange adapter: SK3.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

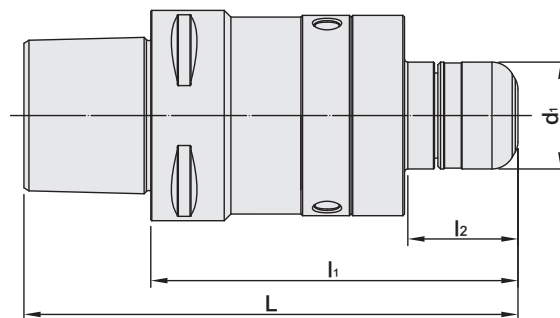
Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-29~32	P.W-52	P.W-88	P.W-68~73

PSC / SAF RUNOUT ADJUSTABLE HOLDER



PSC / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
141.783.16P.105	PSC40 x SAFFP16 - 105	129	105	32	30	PSC40 x SAF25	PNER16 - 50	PN16	1.18
141.783.16P.155	PSC40 x SAFFP16 - 155	179	155	82	30	PSC40 x SAF25	PNER16 - 100	PN16	1.42
141.783.20P.105	PSC40 x SAFFP20 - 105	129	105	33	32	PSC40 x SAF25	PNER20 - 50	PN20	1.19
141.783.20P.155	PSC40 x SAFFP20 - 155	179	155	83	32	PSC40 x SAF25	PNER20 - 100	PN20	1.45
142.783.16P.110	PSC50 x SAFFP16 - 110	140	110	32	30	PSC50 x SAF25	PNER16 - 50	PN16	1.52
142.783.16P.160	PSC50 x SAFFP16 - 160	190	160	82	30	PSC50 x SAF25	PNER16 - 100	PN16	1.76
142.783.20P.110	PSC50 x SAFFP20 - 110	140	110	33	32	PSC50 x SAF25	PNER20 - 50	PN20	1.53
142.783.20P.160	PSC50 x SAFFP20 - 160	190	160	83	32	PSC50 x SAF25	PNER20 - 100	PN20	1.79
143.783.16P.110	PSC63 x SAFFP16 - 110	148	110	32	30	PSC63 x SAF25	PNER16 - 50	PN16	1.87
143.783.16P.160	PSC63 x SAFFP16 - 160	198	160	82	30	PSC63 x SAF25	PNER16 - 100	PN16	2.11
143.783.20P.110	PSC63 x SAFFP20 - 110	148	110	33	32	PSC63 x SAF25	PNER20 - 50	PN20	1.88
143.783.20P.160	PSC63 x SAFFP20 - 160	198	160	83	32	PSC63 x SAF25	PNER20 - 100	PN20	2.14
143.783.25P.110	PSC63 x SAFFP25 - 110	148	110	28.9	40	PSC63 x SAF40	PNER25 - 50	PN25	2.75
143.783.25P.160	PSC63 x SAFFP25 - 160	198	160	78.9	40	PSC63 x SAF40	PNER25 - 100	PN25	3.17
143.783.32P.120	PSC63 x SAFFP32 - 120	158	120	40.9	50	PSC63 x SAF40	PNER32 - 60	PN32	2.90
143.783.32P.160	PSC63 x SAFFP32 - 160	198	160	80.9	50	PSC63 x SAF40	PNER32 - 100	PN32	3.45
144.783.16P.100	PSC80 x SAFFP16 - 100	148	100	32	30	PSC80 x SAF25	PNER16 - 50	PN16	2.45
144.783.16P.150	PSC80 x SAFFP16 - 150	198	150	82	30	PSC80 x SAF25	PNER16 - 100	PN16	2.69
144.783.20P.100	PSC80 x SAFFP20 - 100	148	100	33	32	PSC80 x SAF25	PNER20 - 50	PN20	2.46
144.783.20P.150	PSC80 x SAFFP20 - 150	198	150	83	32	PSC80 x SAF25	PNER20 - 100	PN20	2.72
144.783.25P.110	PSC80 x SAFFP25 - 110	158	110	28.9	40	PSC80 x SAF40	PNER25 - 50	PN25	3.55
144.783.25P.160	PSC80 x SAFFP25 - 160	208	160	78.9	40	PSC80 x SAF40	PNER25 - 100	PN25	3.97
144.783.32P.120	PSC80 x SAFFP32 - 120	168	120	40.9	50	PSC80 x SAF40	PNER32 - 60	PN32	3.70
144.783.32P.160	PSC80 x SAFFP32 - 160	208	160	80.9	50	PSC80 x SAF40	PNER32 - 100	PN32	4.25

Features:

- ▶ Flange adapter: PNER.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μm.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-5	P.W-45	P.W-88	P.W-68~73



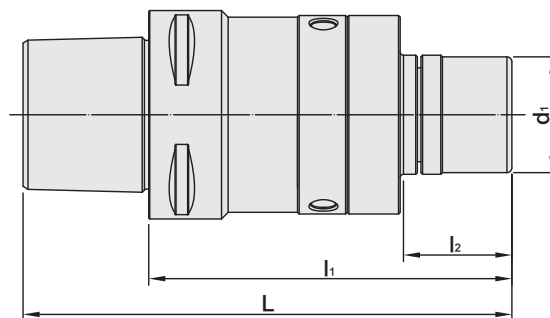
PSC / SAF RUNOUT ADJUSTABLE HOLDER



PSC / SAF 可調式刀桿



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
141.783.16U.105	PSC40 x SAFU16 - 105	129	105	32	30	PSC40 x SAF25	UT16 - 50	ER16	1.23
141.783.20U.105	PSC40 x SAFU20 - 105	129	105	33	35	PSC40 x SAF25	UT20 - 50	ER20	1.25
142.783.16U.110	PSC50 x SAFU16 - 110	140	110	32	30	PSC50 x SAF25	UT16 - 50	ER16	1.57
142.783.20U.110	PSC50 x SAFU20 - 110	140	110	33	35	PSC50 x SAF25	UT20 - 50	ER20	1.59
143.783.16U.110	PSC63 x SAFU16 - 110	148	110	32	30	PSC63 x SAF25	UT16 - 50	ER16	1.92
143.783.20U.110	PSC63 x SAFU20 - 110	148	110	33	35	PSC63 x SAF25	UT20 - 50	ER20	1.94
143.783.25U.120	PSC63 x SAFU25 - 120	158	120	38.9	42	PSC63 x SAF40	UT25 - 60	ER25	2.91
143.783.32U.120	PSC63 x SAFU32 - 120	158	120	40.9	48	PSC63 x SAF40	UT32 - 60	ER32	2.94
144.783.16U.100	PSC80 x SAFU16 - 100	148	100	32	30	PSC80 x SAF25	UT16 - 50	ER16	2.50
144.783.20U.100	PSC80 x SAFU20 - 100	148	100	33	35	PSC80 x SAF25	UT20 - 50	ER20	2.52
144.783.25U.120	PSC80 x SAFU25 - 120	168	120	38.9	42	PSC80 x SAF40	UT25 - 60	ER25	3.71
144.783.32U.120	PSC80 x SAFU32 - 120	168	120	40.9	48	PSC80 x SAF40	UT32 - 60	ER32	3.74

МАШСЕРВИС

Features:

- ▶ Flange adapter: UT.
- ▶ Drive axial and radial set screws for precision adjustment and the runout accuracy of the tool edge can be adjusted within 5 μ m.

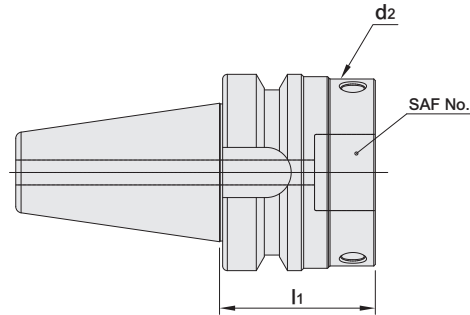
Standard Accessory: • NUT

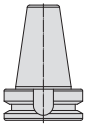
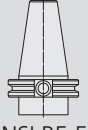
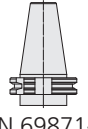
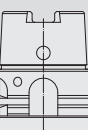

Collet	Nut	Preset Screw	Spanner
P.W-7~10	P.W-47	P.W-82	P.W-62~67



SAF RUNOUT ADJUSTABLE HOLDER BODY

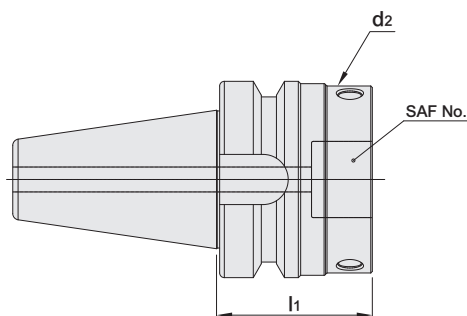
SAF 可調式刀桿本體






SHANK	MODEL NO.	TYPE	l_1	d_2	SAF NO.	WEIGHT (KGS)
 MAS 403	10.783.25	BT30 x SAF25	40	60	1	0.61
	11.783.25	BT40 x SAF25	50	60	1	1.34
	11.783.40	BT40 x SAF40	50	80	2	1.48
	12.783.25	BT50 x SAF25	60	60	1	3.82
	12.783.40	BT50 x SAF40	60	80	2	4.07
 ANSI B5.50	31.783.25	CAT40 x SAF25	50	60	1	1.19
	31.783.40	CAT40 x SAF40	60	80	2	1.71
	32.783.25	CAT50 x SAF25	60	60	1	3.46
	32.783.40	CAT50 x SAF40	60	80	2	3.77
 DIN 69871-A	51.783.25	DAT40 x SAF25	50	60	1	1.22
	51.783.40	DAT40 x SAF40	60	80	2	1.73
	52.783.25	DAT50 x SAF25	60	60	1	3.36
 DIN 69893 A	52.783.40	DAT50 x SAF40	60	80	2	3.92
	71.783.25	HSK40A x SAF25	60	60	1	0.70
	72.783.25	HSK50A x SAF25	60	60	1	0.82
	73.783.25	HSK63A x SAF25	60	60	1	1.16
	73.783.40	HSK63A x SAF40	60	80	2	1.36
	74.783.25	HSK80A x SAF25	50	60	1	1.47
	74.783.40	HSK80A x SAF40	60	80	2	1.95
	75.783.25	HSK100A x SAF25	55	60	1	2.41
75.783.40	HSK100A x SAF40	55	80	2	2.73	
 ISO 26623-1	141.783.25	PSC40 x SAF25	55	60	1	0.76
	142.783.25	PSC50 x SAF25	60	60	1	1.10
	143.783.25	PSC63 x SAF25	60	60	1	1.45
	143.783.40	PSC63 x SAF40	60	80	2	1.82
	144.783.25	PSC80 x SAF25	50	60	1	2.03
	144.783.40	PSC80 x SAF40	60	80	2	2.62

SAF RUNOUT ADJUSTABLE HOLDER BODY

SAF 可調式刀桿本體

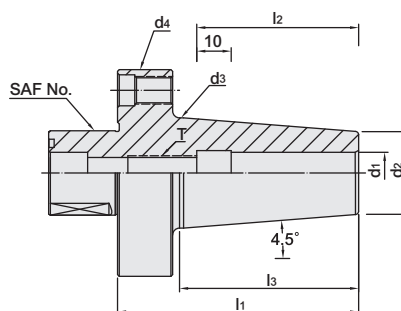


SHANK	MODEL NO.	TYPE	l_1	d_2	SAF NO.	WEIGHT (KGS)
 DualDRIVE+	25.783.25	SBT30 x SAF25	40	60	1	0.61
	26.783.25	SBT40 x SAF25	50	60	1	1.35
	26.783.40	SBT40 x SAF40	50	80	2	1.49
	27.783.25	SBT50 x SAF25	60	60	1	3.86
	27.783.40	SBT50 x SAF40	60	80	2	4.11
 DualDRIVE+	43.783.25	SCAT40 x SAF25	50	60	1	1.22
	43.783.40	SCAT40 x SAF40	60	80	2	1.73
	44.783.25	SCAT50 x SAF25	60	60	1	3.50
	44.783.40	SCAT50 x SAF40	60	80	2	3.81
 DualDRIVE+	66.783.25	SDAT40 x SAF25	50	60	1	1.24
	66.783.40	SDAT40 x SAF40	60	80	2	1.75
	67.783.25	SDAT50 x SAF25	60	60	1	3.40
	67.783.40	SDAT50 x SAF40	60	80	2	3.96

МАШГЕРВИС

SHRINK FIT CHUCK FLANGE FOR SAF

SAF 可調式刀桿法蘭盤 - SFC

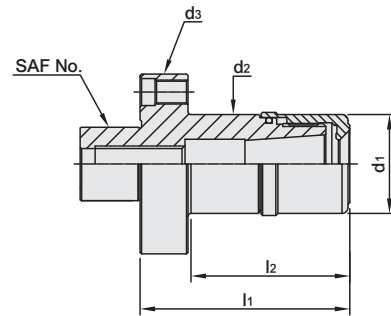


MODEL NO.	TYPE	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	SAF NO.	WEIGHT (KGS)
783.651.06.070	SFC6 - 70	70	36	52	6	21	27	60	M5 x 0.8P	1	0.52
783.651.08.070	SFC8 - 70	70	36	52	8	21	27	60	M6 x 1.0P	1	0.51
783.651.10.070	SFC10 - 70	70	42	52	10	24	32	60	M8 x 1.25P	1	0.56
783.651.12.070	SFC12 - 70	70	47	52	12	24	32	60	M10 x 1.5P	1	0.54
783.651.16.075	SFC16 - 75	75	50	57	16	27	34	60	M12 x 1.75P	1	0.59
783.651.20.080	SFC20 - 80	80	52	60	20	33	42	80	M16 x 2.0P	2	1.19
783.651.25.100	SFC25 - 100	100	58	81	25	44	52	80	M20 x 2.0P	2	1.72
783.651.32.100	SFC32 - 100	100	58	81	32	44	52	80	M20 x 2.0P	2	1.58

МАШСЕРВИС

SK3 COLLET CHUCK FLANGE FOR SAF

SAF 可調式刀桿法蘭盤 - SK3



MODEL NO.	TYPE	l_1	l_2	d_1	d_2	d_3	SAF NO.	WEIGHT (KGS)
783.763.06.050	SK306 - 50	50	29	19.5	19.5	60	1	0.39
783.763.06.100	SK306 - 100	100	79	19.5	19.5	60	1	0.48
783.763.10.050	SK310 - 50	50	32.5	27.5	27.5	60	1	0.42
783.763.10.100	SK310 - 100	100	82.5	27.5	27.5	60	1	0.61
783.763.13.070	SK313 - 70	70	53	33	33	60	1	0.55
783.763.13.100	SK313 - 100	100	83	33	33	60	1	0.73
783.763.16.070	SK316 - 70	70	49.9	40	40	80	2	1.08
783.763.16.100	SK316 - 100	100	79.9	40	40	80	2	1.34

МАШСЕРВИС

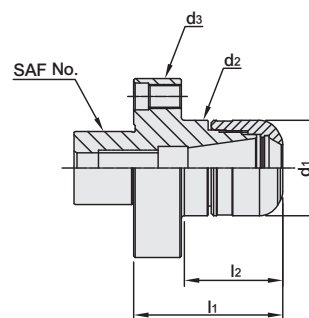
Standard Accessory: • NUT

Collet	Nut	Spanner
		
P.W-29~32	P.W-52	P.W-68~73



PNER COLLET CHUCK FLANGE FOR SAF

SAF 可調式刀桿法蘭盤 - PNER



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M501316
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 D E PAT NO. Nr.202015005621

MODEL NO.	TYPE	l_1	l_2	d_1	d_2	d_3	SAF NO.	WEIGHT (KGS)
783.273.16.050	PNER16 - 50	50	32	30	30	60	1	0.42
783.273.16.100	PNER16 - 100	100	82	30	30	60	1	0.66
783.273.20.050	PNER20 - 50	50	33	32	32	60	1	0.43
783.273.20.100	PNER20 - 100	100	83	32	32	60	1	0.69
783.273.25.050	PNER25 - 50	50	28.94	40	40	80	2	0.93
783.273.25.100	PNER25 - 100	100	78.9	40	40	80	2	1.35
783.273.32.060	PNER32 - 60	60	40.94	50	50	80	2	1.08
783.273.32.100	PNER32 - 100	100	80.94	50	50	80	2	1.63

МАШСЕРВИС

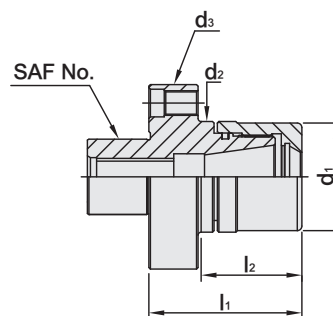
Standard Accessory: • NUT

Collet	Nut	Spanner
		
P.W-5	P.W-45	P.W-68~73



UT COLLET CHUCK FLANGE FOR SAF

SAF 可調式刀桿法蘭盤 - UT



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 J P PAT NO. 3200356
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	l_1	l_2	d_1	d_2	d_3	SAF NO.	WEIGHT (KGS)
783.753.16.050	UT16 - 50	50	32	30	30	60	1	0.47
783.753.20.050	UT20 - 50	50	33	35	36	60	1	0.49
783.753.25.060	UT25 - 60	60	38.9	42	42	80	2	1.09
783.753.32.060	UT32 - 60	60	40.9	48	48	80	2	1.12

МАШСЕРВИС

Standard Accessory: • NUT

Collet	Nut	Spanner
		
P.W-7~10	P.W-47	P.W-68~73



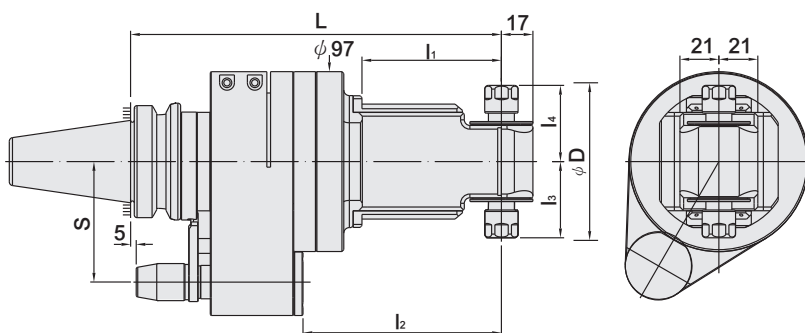
ANGLE HEAD HOLDER CATEGORY

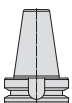
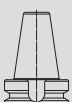
SAG-D ANGLE HEAD HOLDER	S-2
SAU ANGLE HEAD HOLDER [UNIVERSAL TYPE]	S-3
SAR ANGLE HEAD HOLDER	S-4~7
SAC ANGLE HEAD HOLDER	S-8~17
SAM ANGLE HEAD HOLDER	S-18~27
SAG ANGLE HEAD HOLDER [SLIM TYPE]	S-28~32
SAD ANGLE HEAD HOLDER [SLIM TYPE]	S-33
FIXED BLOCK	S-35~36

SAG-D ANGLE HEAD HOLDER

FOR DUAL SIDE MACHINING

SAG-D 雙頭龍銑削頭 [用於雙面加工]



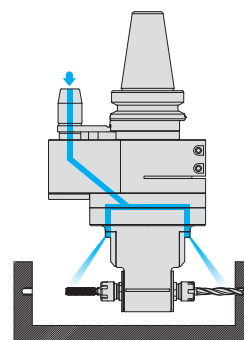
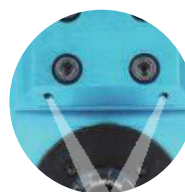
SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	φ D	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 MAS 403	11.676.11DE.170	BT40 x SAG11DE - 170	170	45.2	77	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.10
	11.676.11DE.200	BT40 x SAG11DE - 200	200	75.2	107	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.30
	11.676.11DE.230	BT40 x SAG11DE - 230	230	105.2	137	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.50
	11.676.11DE.260	BT40 x SAG11DE - 260	260	135.2	167	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.70
	11.676.06DS.170	BT40 x SAG06DS - 170	170	45.2	77	42	42	85	65	10N-m	SKS6	3 ~ 6	5.10
	11.676.06DS.200	BT40 x SAG06DS - 200	200	75.2	107	42	42	85	65	10N-m	SKS6	3 ~ 6	5.30
	11.676.06DS.230	BT40 x SAG06DS - 230	230	105.2	137	42	42	85	65	10N-m	SKS6	3 ~ 6	5.50
 DaulDRIVE+	11.676.06DS.260	BT40 x SAG06DS - 260	260	135.2	167	42	42	85	65	10N-m	SKS6	3 ~ 6	5.70
	26.676.11DE.170	SBT40 x SAG11DE - 170	170	45.2	77	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.10
	26.676.11DE.200	SBT40 x SAG11DE - 200	200	75.2	107	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.30
	26.676.11DE.230	SBT40 x SAG11DE - 230	230	105.2	137	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.50
	26.676.11DE.260	SBT40 x SAG11DE - 260	260	135.2	167	39.2	39.2	80	65	10N-m	ER11	1 ~ 7	5.70
	26.676.06DS.170	SBT40 x SAG06DS - 170	170	45.2	77	42	42	85	65	10N-m	SKS6	3 ~ 6	5.10
	26.676.06DS.200	SBT40 x SAG06DS - 200	200	75.2	107	42	42	85	65	10N-m	SKS6	3 ~ 6	5.30
26.676.06DS.230	SBT40 x SAG06DS - 230	230	105.2	137	42	42	85	65	10N-m	SKS6	3 ~ 6	5.50	
26.676.06DS.260	SBT40 x SAG06DS - 260	260	135.2	167	42	42	85	65	10N-m	SKS6	3 ~ 6	5.70	

Feature:

- ▶ SAG-D has two output tool shafts and can achieve machining at 180 degree opposite directions.
- ▶ Reduce tool changing frequency and increase machining efficiency.
- ▶ Save your money buying another angle head for different direction of lateral machining.
- ▶ Conserve the space of tool magazine.

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 15 N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Two outputs rotate in different directions.
- ▶ Can be used for ATC.



Optional
Fixed Block



P.S-35~36



Reminder:

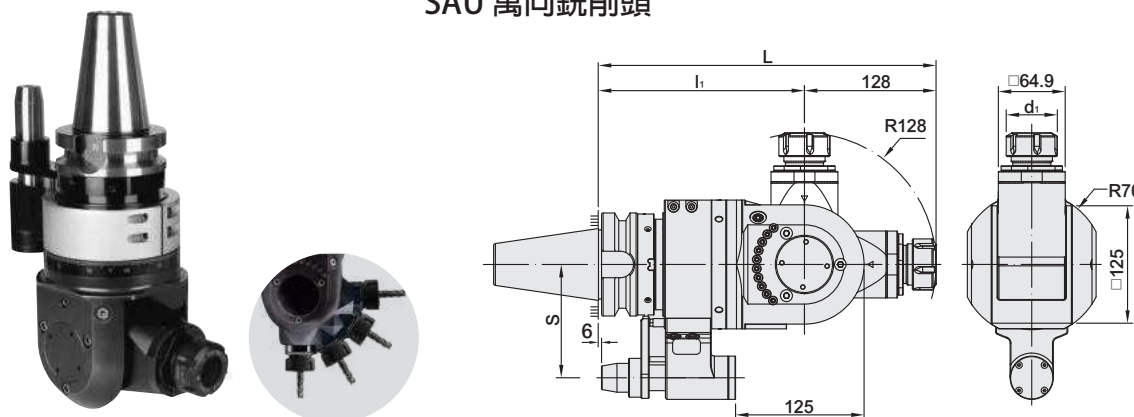
- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

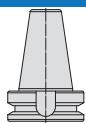
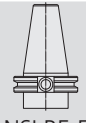


SAU ANGLE HEAD HOLDER

UNIVERSAL TYPE FOR MEDIUM CUTTING

SAU 萬向銑削頭



SHANK	MODEL NO.	TYPE	L	li	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 MAS 403 INCHES	12.789.32.328	BT50 x SAU32E - 328	328	200	110	40 N-m	ER32	2 ~ 20	20.9
 ANSI B5.50	32.789.32.131	CAT50 x SAU32E - 13.1"	13.1	7.87	4.33	40 N-m	ER32	2 ~ 20	21.5

МАШСЕРВИС

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 40N-m.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Adjustable spindle angle from 0° to 90° on inclined surfaces.
- ▶ Adjustable angle increment: 1°.
- ▶ Coolant feed through dowel pin, coolant outlet from coolant holes.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

**Optional
Fixed Block**



P.5-35~36

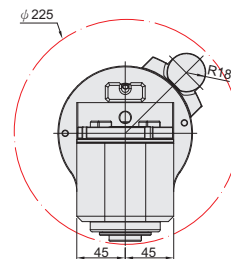
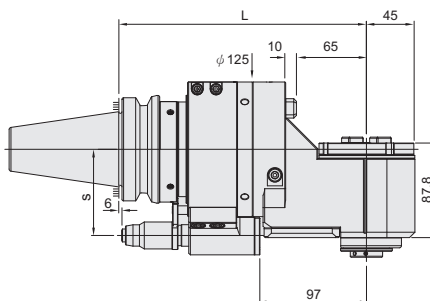


SAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

SAR 大鋼炮銑削頭

[SBT TYPE]



T W PAT NO. M420384
C N PAT NO. ZL201120430504.9

SHANK	MODEL NO.	TYPE	L	S	TORQUE	WEIGHT (KGS)
 MAS 403	12.643	BT50 x SAR50 / SBT30 - 230	230	80	50 N-m	16.1
	12.643S	BT50 x SAR50 / SBT30 - 230S	230	110	50 N-m	16.1
 DaulDRIVE+	27.643	SBT50 x SAR50 / SBT30 - 230	230	80	50 N-m	16.1
	27.643S	SBT50 x SAR50 / SBT30 - 230S	230	110	50 N-m	16.1
 ANSI B5.50	32.643	CAT50 x SAR50 / SBT30 - 230	234.95	80	50 N-m	16.1
	32.643S	CAT50 x SAR50 / SBT30 - 230S	234.95	110	50 N-m	16.1
 DaulDRIVE+	44.643	SCAT50 x SAR50 / SBT30 - 230	234.95	80	50 N-m	16.1
	44.643S	SCAT50 x SAR50 / SBT30 - 230S	234.95	110	50 N-m	16.1
 DIN 69871-A	52.643	DAT50 x SAR50 / SBT30 - 230	235	80	50 N-m	16.1
	52.643S	DAT50 x SAR50 / SBT30 - 230S	235	110	50 N-m	16.1
 DaulDRIVE+	67.643	SDAT50 x SAR50 / SBT30 - 230	235	80	50 N-m	16.1
	67.643S	SDAT50 x SAR50 / SBT30 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 50N-m.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

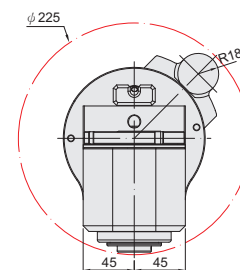
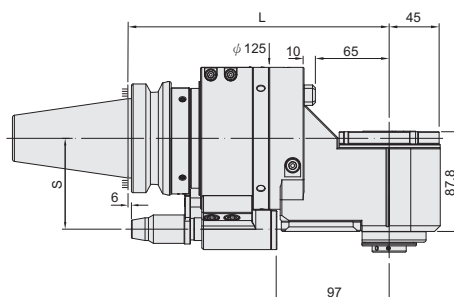


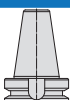



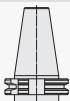
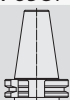
SAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

SAR 大鋼炮銑削頭

(PSC TYPE)



SHANK	MODEL NO.	TYPE	L	S	TORQUE	WEIGHT (KGS)
 MAS 403	12.646.C50.230	BT50 x SAR50 / PSC50 - 230	230	80	50 N-m	16.1
	12.646S.C50.230	BT50 x SAR50 / PSC50 - 230S	230	110	50 N-m	16.1
 DaulDRIVE+	27.646.C50.230	SBT50 x SAR50 / PSC50 - 230	230	80	50 N-m	16.1
	27.646S.C50.230	SBT50 x SAR50 / PSC50 - 230S	230	110	50 N-m	16.1
 ANSI B5.50	32.646.C50.230	CAT50 x SAR50 / PSC50 - 230	234.95	80	50 N-m	16.1
	32.646S.C50.230	CAT50 x SAR50 / PSC50 - 230S	234.95	110	50 N-m	16.1
 DaulDRIVE+	44.646.C50.230	SCAT50 x SAR50 / PSC50 - 230	234.95	80	50 N-m	16.1
	44.646S.C50.230	SCAT50 x SAR50 / PSC50 - 230S	234.95	110	50 N-m	16.1
 DIN 69871-A	52.646.C50.230	DAT50 x SAR50 / PSC50 - 230	235	80	50 N-m	16.1
	52.646S.C50.230	DAT50 x SAR50 / PSC50 - 230S	235	110	50 N-m	16.1
 DaulDRIVE+	67.646.C50.230	SDAT50 x SAR50 / PSC50 - 230	235	80	50 N-m	16.1
	67.646S.C50.230	SDAT50 x SAR50 / PSC50 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 50N-m.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.S-35~36

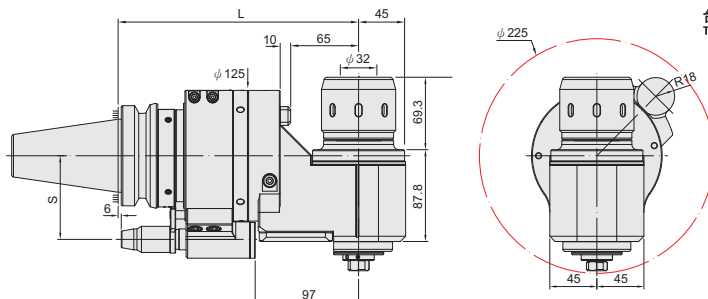


SAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

SAR 大鋼炮銑削頭

[MLD TYPE]



SHANK	MODEL NO.	TYPE	L	S	TORQUE	WEIGHT (KGS)
 MAS 403	12.645.32.230	BT50 x SAR50 / MLD32 - 230	230	80	50 N-m	16.1
	12.645S.32.230	BT50 x SAR50 / MLD32 - 230S	230	110	50 N-m	16.1
 DaulDRIVE+	27.645.32.230	SBT50 x SAR50 / MLD32 - 230	230	80	50 N-m	16.1
	27.645S.32.230	SBT50 x SAR50 / MLD32 - 230S	230	110	50 N-m	16.1
 ANSI B5.50	32.645.32.230	CAT50 x SAR50 / MLD32 - 230	234.95	80	50 N-m	16.1
	32.645S.32.230	CAT50 x SAR50 / MLD32 - 230S	234.95	110	50 N-m	16.1
 DaulDRIVE+	44.645.32.230	SCAT50 x SAR50 / MLD32 - 230	234.95	80	50 N-m	16.1
	44.645S.32.230	SCAT50 x SAR50 / MLD32 - 230S	234.95	110	50 N-m	16.1
 DIN 69871-A	52.645.32.230	DAT50 x SAR50 / MLD32 - 230	235	80	50 N-m	16.1
	52.645S.32.230	DAT50 x SAR50 / MLD32 - 230S	235	110	50 N-m	16.1
 DaulDRIVE+	67.645.32.230	SDAT50 x SAR50 / MLD32 - 230	235	80	50 N-m	16.1
	67.645S.32.230	SDAT50 x SAR50 / MLD32 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 50N-m.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

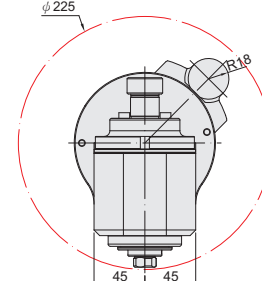
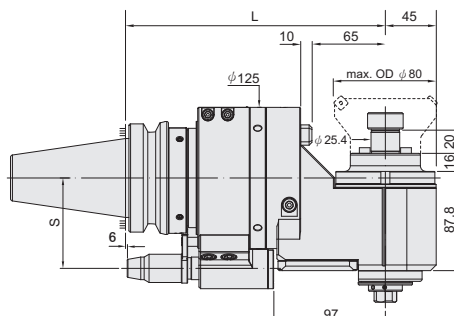


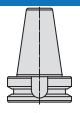
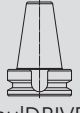
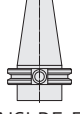
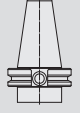
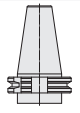
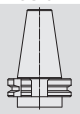
SAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

SAR 大鋼炮銑削頭

[FMA TYPE]



SHANK	MODEL NO.	TYPE	L	S	TORQUE	WEIGHT (KGS)
 MAS 403	12.644.68.230	BT50 x SAR50 / FMA25.4 - 230	230	80	50 N-m	16.1
	12.6445.68.230	BT50 x SAR50 / FMA25.4 - 230S	230	110	50 N-m	16.1
 DauIDRIVE+	27.644.68.230	SBT50 x SAR50 / FMA25.4 - 230	230	80	50 N-m	16.1
	27.6445.68.230	SBT50 x SAR50 / FMA25.4 - 230S	230	110	50 N-m	16.1
 ANSI B5.50	32.644.68.230	CAT50 x SAR50 / FMA25.4 - 230	234.95	80	50 N-m	16.1
	32.6445.68.230	CAT50 x SAR50 / FMA25.4 - 230S	234.95	110	50 N-m	16.1
 DauIDRIVE+	44.644.68.230	SCAT50 x SAR50 / FMA25.4 - 230	234.95	80	50 N-m	16.1
	44.6445.68.230	SCAT50 x SAR50 / FMA25.4 - 230S	234.95	110	50 N-m	16.1
 DIN 69871-A	52.644.68.230	DAT50 x SAR50 / FMA25.4 - 230	235	80	50 N-m	16.1
	52.6445.68.230	DAT50 x SAR50 / FMA25.4 - 230S	235	110	50 N-m	16.1
 DauIDRIVE+	67.644.68.230	SDAT50 x SAR50 / FMA25.4 - 230	235	80	50 N-m	16.1
	67.6445.68.230	SDAT50 x SAR50 / FMA25.4 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 50N-m.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.S-35~36

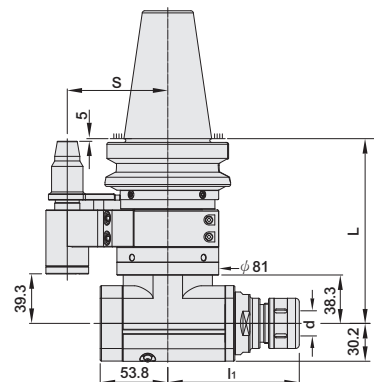


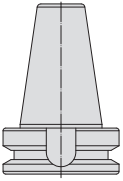
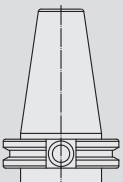
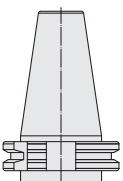
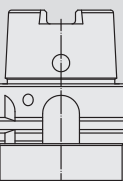
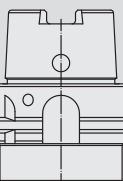
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

(SKS TYPE)



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 MAS 403	11.639.10.130	BT40 x SAC10S - 130	130	88	65	25 N-m	SKS10	3 ~ 10	6.40
	11.639.13.130	BT40 x SAC13S - 130	130	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	11.639.16.130	BT40 x SAC16S - 130	130	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	11.639.20.130	BT40 x SAC20S - 130	130	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
	12.639.10.147	BT50 x SAC10S - 147	147	88	80	25 N-m	SKS10	3 ~ 10	8.40
	12.639.13.147	BT50 x SAC13S - 147	147	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
	12.639.16.147	BT50 x SAC16S - 147	147	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
 ANSI B5.50	12.639.20.147	BT50 x SAC20S - 147	147	110.3	80	25 N-m	SKS20	3 ~ 20	8.40
	31.639.10.150	CAT40 x SAC10S - 150	150	88	65	25 N-m	SKS10	3 ~ 10	6.40
	31.639.13.150	CAT40 x SAC13S - 150	150	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	31.639.16.150	CAT40 x SAC16S - 150	150	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	31.639.20.150	CAT40 x SAC20S - 150	150	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
	32.639.10.150	CAT50 x SAC10S - 150	150	88	80	25 N-m	SKS10	3 ~ 10	8.40
	32.639.13.150	CAT50 x SAC13S - 150	150	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
 DIN 69871-A	32.639.16.150	CAT50 x SAC16S - 150	150	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
	32.639.20.150	CAT50 x SAC20S - 150	150	110.3	80	25 N-m	SKS20	3 ~ 20	8.40
	51.639.10.146	DAT40 x SAC10S - 146	146	88	65	25 N-m	SKS10	3 ~ 10	6.40
	51.639.13.146	DAT40 x SAC13S - 146	146	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	51.639.16.146	DAT40 x SAC16S - 146	146	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	51.639.20.146	DAT40 x SAC20S - 146	146	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
	52.639.10.150	DAT50 x SAC10S - 150	150	88	80	25 N-m	SKS10	3 ~ 10	8.40
 DIN 69893 A	52.639.13.150	DAT50 x SAC13S - 150	150	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
	52.639.16.150	DAT50 x SAC16S - 150	150	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
	52.639.20.150	DAT50 x SAC20S - 150	150	110.3	80	25 N-m	SKS20	3 ~ 20	8.40
	73.639.10.155	HSK63A x SAC10S - 155	155	88	65	25 N-m	SKS10	3 ~ 10	6.40
	73.639.13.155	HSK63A x SAC13S - 155	155	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	73.639.16.155	HSK63A x SAC16S - 155	155	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	73.639.20.155	HSK63A x SAC20S - 155	155	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
 DIN 69893 A	75.639.10.151	HSK100A x SAC10S - 151	151	88	80	25 N-m	SKS10	3 ~ 10	8.40
	75.639.13.151	HSK100A x SAC13S - 151	151	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
	75.639.16.151	HSK100A x SAC16S - 151	151	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
	75.639.20.151	HSK100A x SAC20S - 151	151	110.3	80	25 N-m	SKS20	3 ~ 20	8.40

Product information:

- ▶ Gear ratio 1:1. ▶ Max. revolution: 3000rpm. ▶ Max. torque: 25N-m. ▶ Suggested Ap ≤ 3mm.
- ▶ Internal coolant not available. ▶ Rotating direction opposite to machine spindle. ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

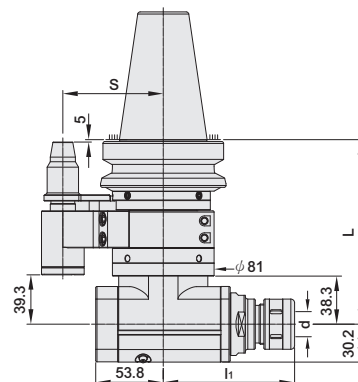


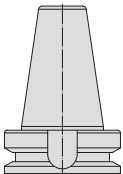
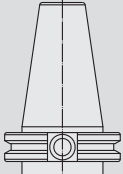
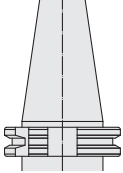
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

(SKS TYPE)



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DualDRIVE+	26.639.10.130	SBT40 x SAC10S - 130	130	89.6	65	25 N-m	SKS10	3 ~ 10	6.40
	26.639.13.130	SBT40 x SAC13S - 130	130	91	65	25 N-m	SKS13	3 ~ 13	6.40
	26.639.16.130	SBT40 x SAC16S - 130	130	92	65	25 N-m	SKS16	3 ~ 16	6.40
	26.639.20.130	SBT40 x SAC20S - 130	130	96	65	25 N-m	SKS20	3 ~ 20	6.40
	27.639.10.147	SBT50 x SAC10S - 147	147	89.6	80	25 N-m	SKS10	3 ~ 10	8.40
	27.639.13.147	SBT50 x SAC13S - 147	147	91	80	25 N-m	SKS13	3 ~ 13	8.40
	27.639.16.147	SBT50 x SAC16S - 147	147	92	80	25 N-m	SKS16	3 ~ 16	8.40
 DualDRIVE+	27.639.20.147	SBT50 x SAC20S - 147	147	96	80	25 N-m	SKS20	3 ~ 20	8.40
	43.639.10.150	SCAT40 x SAC10S - 150	150	88	65	25 N-m	SKS10	3 ~ 10	6.40
	43.639.13.150	SCAT40 x SAC13S - 150	150	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	43.639.16.150	SCAT40 x SAC16S - 150	150	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	43.639.20.150	SCAT40 x SAC20S - 150	150	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
	44.639.10.150	SCAT50 x SAC10S - 150	150	88	80	25 N-m	SKS10	3 ~ 10	8.40
	44.639.13.150	SCAT50 x SAC13S - 150	150	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
 DualDRIVE+	44.639.16.150	SCAT50 x SAC16S - 150	150	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
	44.639.20.150	SCAT50 x SAC20S - 150	150	110.3	80	25 N-m	SKS20	3 ~ 20	8.40
	66.639.10.146	SDAT40 x SAC10S - 146	146	88	65	25 N-m	SKS10	3 ~ 10	6.40
	66.639.13.146	SDAT40 x SAC13S - 146	146	89.6	65	25 N-m	SKS13	3 ~ 13	6.40
	66.639.16.146	SDAT40 x SAC16S - 146	146	102.3	65	25 N-m	SKS16	3 ~ 16	6.40
	66.639.20.146	SDAT40 x SAC20S - 146	146	110.3	65	25 N-m	SKS20	3 ~ 20	6.40
	67.639.10.150	SDAT50 x SAC10S - 150	150	88	80	25 N-m	SKS10	3 ~ 10	8.40
	67.639.13.150	SDAT50 x SAC13S - 150	150	89.6	80	25 N-m	SKS13	3 ~ 13	8.40
	67.639.16.150	SDAT50 x SAC16S - 150	150	102.3	80	25 N-m	SKS16	3 ~ 16	8.40
67.639.20.150	SDAT50 x SAC20S - 150	150	110.3	80	25 N-m	SKS20	3 ~ 20	8.40	

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested Ap ≤ 3mm.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

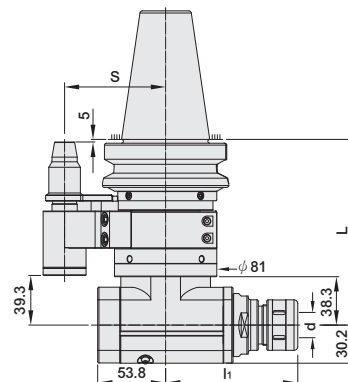


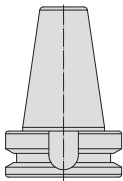
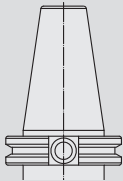
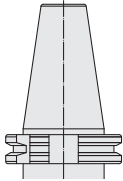
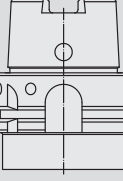
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

(ER TYPE)



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 <p>MAS 403</p>	11.640.16.130	BT40 x SAC16E - 130	130	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	11.640.20.130	BT40 x SAC20E - 130	130	91	65	25 N-m	ER20	1 ~ 13	6.40
	11.640.25.130	BT40 x SAC25E - 130	130	92	65	25 N-m	ER25	1 ~ 16	6.40
	11.640.32.130	BT40 x SAC32E - 130	130	96	65	25 N-m	ER32	2 ~ 20	6.44
	12.640.16.147	BT50 x SAC16E - 147	147	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	12.640.20.147	BT50 x SAC20E - 147	147	91	80	25 N-m	ER13	1 ~ 13	8.40
	12.640.25.147	BT50 x SAC25E - 147	147	92	80	25 N-m	ER25	1 ~ 16	8.40
	12.640.32.147	BT50 x SAC32E - 147	147	96	80	25 N-m	ER32	2 ~ 20	8.44
 <p>ANSI B5.50</p>	31.640.16.150	CAT40 x SAC16E - 150	150	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	31.640.20.150	CAT40 x SAC20E - 150	150	91	65	25 N-m	ER20	1 ~ 13	6.40
	31.640.25.150	CAT40 x SAC25E - 150	150	92	65	25 N-m	ER25	1 ~ 16	6.40
	31.640.32.150	CAT40 x SAC32E - 150	150	96	65	25 N-m	ER32	2 ~ 20	6.40
	32.640.16.150	CAT50 x SAC16E - 150	150	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	32.640.20.150	CAT50 x SAC20E - 150	150	91	80	25 N-m	ER13	1 ~ 13	8.40
	32.640.25.150	CAT50 x SAC25E - 150	150	92	80	25 N-m	ER25	1 ~ 16	8.40
	32.640.32.150	CAT50 x SAC32E - 150	150	96	80	25 N-m	ER32	2 ~ 20	8.44
 <p>DIN 69871-A</p>	51.640.16.146	DAT40 x SAC16E - 146	146	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	51.640.20.146	DAT40 x SAC20E - 146	146	91	65	25 N-m	ER20	1 ~ 13	6.40
	51.640.25.146	DAT40 x SAC25E - 146	146	92	65	25 N-m	ER25	1 ~ 16	6.40
	51.640.32.146	DAT40 x SAC32E - 146	146	96	65	25 N-m	ER32	2 ~ 20	6.40
	52.640.16.150	DAT50 x SAC16E - 150	150	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	52.640.20.150	DAT50 x SAC20E - 150	150	91	80	25 N-m	ER20	1 ~ 13	8.40
	52.640.25.150	DAT50 x SAC25E - 150	150	92	80	25 N-m	ER25	1 ~ 16	8.40
	52.640.32.150	DAT50 x SAC32E - 150	150	96	80	25 N-m	ER32	2 ~ 20	8.44
 <p>DIN 69893 A</p>	73.640.16.155	HSK63A x SAC16E - 155	155	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	73.640.20.155	HSK63A x SAC20E - 155	155	91	65	25 N-m	ER20	1 ~ 13	6.40
	73.640.25.155	HSK63A x SAC25E - 155	155	92	65	25 N-m	ER25	1 ~ 16	6.40
	73.640.32.155	HSK63A x SAC32E - 155	155	96	65	25 N-m	ER32	2 ~ 20	6.44
	75.640.16.151	HSK100A x SAC16E - 151	151	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	75.640.20.151	HSK100A x SAC20E - 151	151	91	80	25 N-m	ER13	1 ~ 13	8.40
	75.640.25.151	HSK100A x SAC25E - 151	151	92	80	25 N-m	ER25	1 ~ 16	8.40
	75.640.32.151	HSK100A x SAC32E - 151	151	96	80	25 N-m	ER32	2 ~ 20	8.44

Product information:

- ▶ Gear ratio 1:1. ▶ Max. revolution: 3000rpm. ▶ Max. torque: 25N-m. ▶ Suggested Ap ≤ 3mm.
- ▶ Internal coolant not available. ▶ Rotating direction opposite to machine spindle. ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

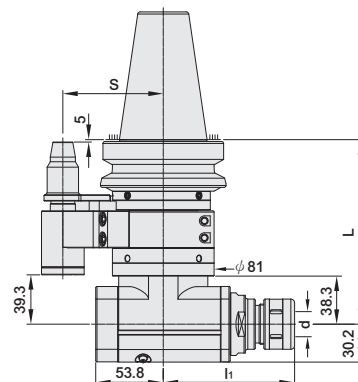


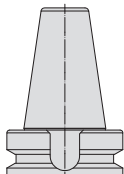
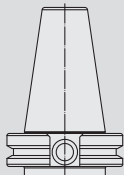
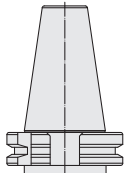
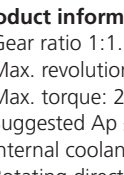
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

(ER TYPE)



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DualDRIVE+	26.640.16.130	SBT40 x SAC16E - 130	130	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	26.640.20.130	SBT40 x SAC20E - 130	130	91	65	25 N-m	ER20	1 ~ 13	6.40
	26.640.25.130	SBT40 x SAC25E - 130	130	92	65	25 N-m	ER25	1 ~ 16	6.40
	26.640.32.130	SBT40 x SAC32E - 130	130	96	65	25 N-m	ER32	2 ~ 20	6.44
	27.640.16.147	SBT50 x SAC16E - 147	147	89.6	80	25 N-m	ER16	1 ~ 10	8.40
 DualDRIVE+	27.640.20.147	SBT50 x SAC20E - 147	147	91	80	25 N-m	ER13	1 ~ 13	8.40
	27.640.25.147	SBT50 x SAC25E - 147	147	92	80	25 N-m	ER25	1 ~ 16	8.40
	27.640.32.147	SBT50 x SAC32E - 147	147	96	80	25 N-m	ER32	2 ~ 20	6.44
	43.640.16.150	SCAT40 x SAC16E - 150	150	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	43.640.20.150	SCAT40 x SAC20E - 150	150	91	65	25 N-m	ER20	1 ~ 13	6.40
 DualDRIVE+	43.640.25.150	SCAT40 x SAC25E - 150	150	92	65	25 N-m	ER25	1 ~ 16	6.40
	43.640.32.150	SCAT40 x SAC32E - 150	150	96	65	25 N-m	ER32	2 ~ 20	6.44
	44.640.16.150	SCAT50 x SAC16E - 150	150	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	44.640.20.150	SCAT50 x SAC20E - 150	150	91	80	25 N-m	ER13	1 ~ 13	8.40
	44.640.25.150	SCAT50 x SAC25E - 150	150	92	80	25 N-m	ER25	1 ~ 16	8.40
 DualDRIVE+	44.640.32.150	SCAT50 x SAC32E - 150	150	96	80	25 N-m	ER32	2 ~ 20	8.44
	66.640.16.146	SDAT40 x SAC16E - 146	146	89.6	65	25 N-m	ER16	1 ~ 10	6.40
	66.640.20.146	SDAT40 x SAC20E - 146	146	91	65	25 N-m	ER20	1 ~ 13	6.40
	66.640.25.146	SDAT40 x SAC25E - 146	146	92	65	25 N-m	ER25	1 ~ 16	6.40
	66.640.32.146	SDAT40 x SAC32E - 146	146	96	65	25 N-m	ER32	2 ~ 20	6.44
	67.640.16.150	SDAT50 x SAC16E - 150	150	89.6	80	25 N-m	ER16	1 ~ 10	8.40
	67.640.20.150	SDAT50 x SAC20E - 150	150	91	80	25 N-m	ER20	1 ~ 13	8.40
	67.640.25.150	SDAT50 x SAC25E - 150	150	92	80	25 N-m	ER25	1 ~ 16	8.40
	67.640.32.150	SDAT50 x SAC32E - 150	150	96	80	25 N-m	ER32	2 ~ 20	8.44

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.S-35~36

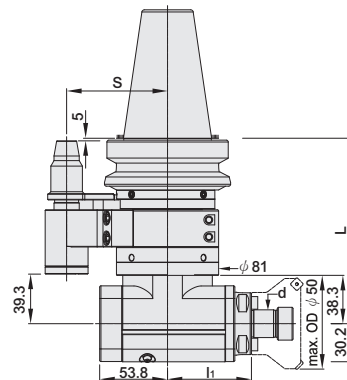


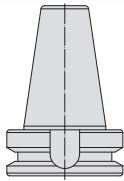
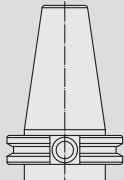
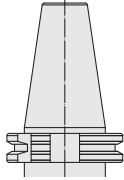
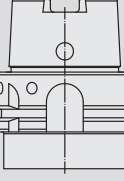
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[FMA/B TYPE]



SHANK	MODEL NO.	TYPE	L	d	l ₁	S	TORQUE	WEIGHT (KGS)
 <p>MAS 403</p>	11.641.68.130	BT40 x SAC25.4FA - 130	130	25.4	66	65	25 N-m	6.54
	11.641.22.130	BT40 x SAC22FB - 130	130	22	66	65	25 N-m	6.54
	12.641.68.147	BT50 x SAC25.4FA - 147	147	25.4	66	80	25 N-m	8.54
	12.641.22.147	BT50 x SAC22FB - 147	147	22	66	80	25 N-m	8.54
 <p>ANSI B5.50</p>	31.641.68.150	CAT40 x SAC25.4FA - 150	150	25.4	66	65	25 N-m	6.54
	31.641.22.150	CAT40 x SAC22FB - 150	150	22	66	65	25 N-m	6.54
	32.641.68.150	CAT50 x SAC25.4FA - 150	150	25.4	66	80	25 N-m	8.54
	32.641.22.150	CAT50 x SAC22FB - 150	150	22	66	80	25 N-m	8.54
 <p>DIN 69871-A</p>	51.641.68.146	DAT40 x SAC25.4FA - 146	146	25.4	66	65	25 N-m	6.54
	51.641.22.146	DAT40 x SAC22FB - 146	146	22	66	65	25 N-m	6.54
	52.641.68.150	DAT50 x SAC25.4FA - 150	150	25.4	66	80	25 N-m	8.54
	52.641.22.150	DAT50 x SAC22FB - 150	150	22	66	80	25 N-m	8.54
 <p>DIN 69893 A</p>	73.641.68.155	HSK63A x SAC25.4FA - 155	155	25.4	66	65	25 N-m	6.54
	73.641.22.155	HSK63A x SAC22FB - 155	155	22	66	65	25 N-m	6.54
	75.641.68.151	HSK100A x SAC25.4FA - 151	151	25.4	66	80	25 N-m	8.54
	75.641.22.151	HSK100A x SAC22FB - 151	151	22	66	80	25 N-m	8.54

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

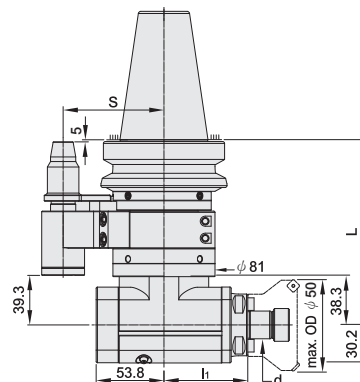


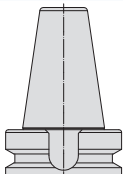
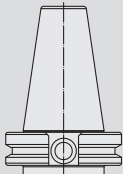
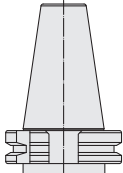
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[FMA/B TYPE]



SHANK	MODEL NO.	TYPE	L	d	l ₁	S	TORQUE	WEIGHT (KGS)
 DualDRIVE+	26.641.68.130	SBT40 x SAC25.4FA - 130	130	25.4	66	65	25 N-m	6.54
	26.641.22.130	SBT40 x SAC22FB - 130	130	22	66	65	25 N-m	6.54
	27.641.68.147	SBT50 x SAC25.4FA - 147	147	25.4	66	80	25 N-m	8.54
	27.641.22.147	SBT50 x SAC22FB - 147	147	22	66	80	25 N-m	8.54
 DualDRIVE+	43.641.68.150	SCAT40 x SAC25.4FA - 150	150	25.4	66	65	25 N-m	6.54
	43.641.22.150	SCAT40 x SAC22FB - 150	150	22	66	65	25 N-m	6.54
	44.641.68.150	SCAT50 x SAC25.4FA - 150	150	25.4	66	80	25 N-m	8.54
	44.641.22.150	SCAT50 x SAC22FB - 150	150	22	66	80	25 N-m	8.54
 DualDRIVE+	66.641.68.146	SDAT40 x SAC25.4FA - 146	146	25.4	66	65	25 N-m	6.54
	66.641.22.146	SDAT40 x SAC22FB - 146	146	22	66	65	25 N-m	6.54
	67.641.68.150	SDAT50 x SAC25.4FA - 150	150	25.4	66	80	25 N-m	8.54
	67.641.22.150	SDAT50 x SAC22FB - 150	150	22	66	80	25 N-m	8.54

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

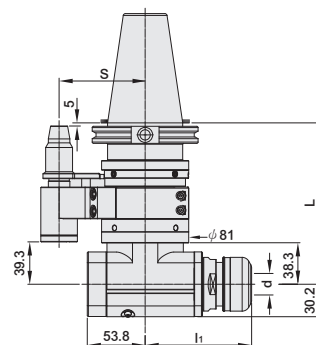


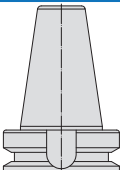
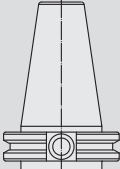
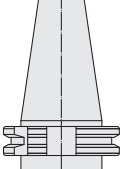
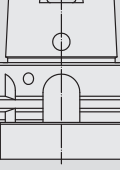
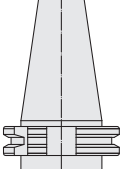
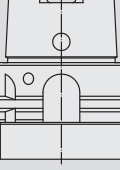
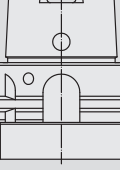
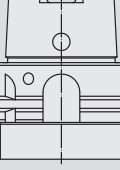
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[PNER TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	d SIZE RANGE	WEIGHT (KGS)
 MAS 403	11.770.20.130	BT40 x SAC20PN - 130	130	91	65	25 N-m	PN20	3 ~ 13	6.40
	11.770.25.130	BT40 x SAC25PN - 130	130	91	65	25 N-m	PN25	3 ~ 16	6.40
	11.770.32.130	BT40 x SAC32PN - 130	130	91.4	65	25 N-m	PN32	3 ~ 20	6.44
 ANSI B5.50	12.770.20.147	BT50 x SAC20PN - 147	147	91	80	25 N-m	PN20	3 ~ 13	6.40
	12.770.25.147	BT50 x SAC25PN - 147	147	91	80	25 N-m	PN25	3 ~ 16	6.40
	12.770.32.147	BT50 x SAC32PN - 147	147	91.4	80	25 N-m	PN32	3 ~ 20	6.44
 DIN 69871-A	31.770.20.150	CAT40 x SAC20PN - 150	150	91	65	25 N-m	PN20	3 ~ 13	6.40
	31.770.25.150	CAT40 x SAC25PN - 150	150	91	65	25 N-m	PN25	3 ~ 16	6.40
	31.770.32.150	CAT40 x SAC32PN - 150	150	91.4	65	25 N-m	PN32	3 ~ 20	6.44
 DIN 69893 A	32.770.20.150	CAT50 x SAC20PN - 150	150	91	80	25 N-m	PN20	3 ~ 13	6.40
	32.770.25.150	CAT50 x SAC25PN - 150	150	91	80	25 N-m	PN25	3 ~ 16	6.40
	32.770.32.150	CAT50 x SAC32PN - 150	150	91.4	80	25 N-m	PN32	3 ~ 20	6.44
 DIN 69871-A	51.770.20.146	DAT40 x SAC20PN - 146	146	91	65	25 N-m	PN20	3 ~ 13	6.40
	51.770.25.146	DAT40 x SAC25PN - 146	146	91	65	25 N-m	PN25	3 ~ 16	6.40
	51.770.32.146	DAT40 x SAC32PN - 146	146	91.4	65	25 N-m	PN32	3 ~ 20	6.44
 DIN 69893 A	52.770.20.150	DAT50 x SAC20PN - 150	150	91	80	25 N-m	PN20	3 ~ 13	6.40
	52.770.25.150	DAT50 x SAC25PN - 150	150	91	80	25 N-m	PN25	3 ~ 16	6.40
	52.770.32.150	DAT50 x SAC32PN - 150	150	91.4	80	25 N-m	PN32	3 ~ 20	6.44
 DIN 69893 A	73.770.20.155	HSK63A x SAC20PN - 155	155	91	65	25 N-m	PN20	3 ~ 13	6.40
	73.770.25.155	HSK63A x SAC25PN - 155	155	91	65	25 N-m	PN25	3 ~ 16	6.40
	73.770.32.155	HSK63A x SAC32PN - 155	155	91.4	65	25 N-m	PN32	3 ~ 20	6.44
 DIN 69893 A	75.770.20.151	HSK100A x SAC20PN - 151	151	91	80	25 N-m	PN20	3 ~ 13	6.40
	75.770.25.151	HSK100A x SAC25PN - 151	151	91	80	25 N-m	PN25	3 ~ 16	6.40
	75.770.32.151	HSK100A x SAC32PN - 151	151	91.4	80	25 N-m	PN32	3 ~ 20	6.44

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested Ap ≤ 3mm.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

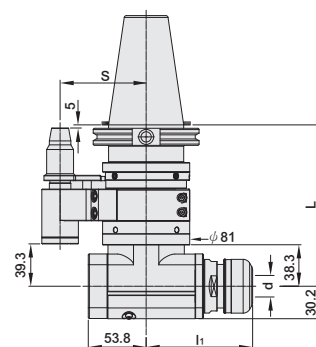


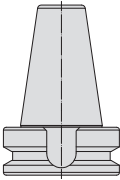
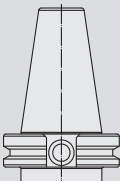
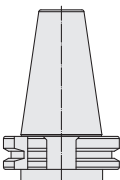
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[PNER TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DualDRIVE+	26.770.20.130	SBT40 x SAC20PN - 130	130	91	65	25 N-m	PN20	3 ~ 13	6.40
	26.770.25.130	SBT40 x SAC25PN - 130	130	91	65	25 N-m	PN25	3 ~ 16	6.40
	26.770.32.130	SBT40 x SAC32PN - 130	130	91.4	65	25 N-m	PN32	3 ~ 20	6.44
	27.770.20.147	SBT50 x SAC20PN - 147	147	91	80	25 N-m	PN20	3 ~ 13	6.40
	27.770.25.147	SBT50 x SAC25PN - 147	147	91	80	25 N-m	PN25	3 ~ 16	6.40
	27.770.32.147	SBT50 x SAC32PN - 147	147	91.4	80	25 N-m	PN32	3 ~ 20	6.44
 DualDRIVE+	43.770.20.150	SCAT40 x SAC20PN - 150	150	91	65	25 N-m	PN20	3 ~ 13	6.40
	43.770.25.150	SCAT40 x SAC25PN - 150	150	91	65	25 N-m	PN25	3 ~ 16	6.40
	43.770.32.150	SCAT40 x SAC32PN - 150	150	91.4	65	25 N-m	PN32	3 ~ 20	6.44
	44.770.20.150	SCAT50 x SAC20PN - 150	150	91	80	25 N-m	PN20	3 ~ 13	6.40
	44.770.25.150	SCAT50 x SAC25PN - 150	150	91	80	25 N-m	PN25	3 ~ 16	6.40
	44.770.32.150	SCAT50 x SAC32PN - 150	150	91.4	80	25 N-m	PN32	3 ~ 20	6.44
 DualDRIVE+	66.770.20.146	SDAT40 x SAC20PN - 146	146	91	65	25 N-m	PN20	3 ~ 13	6.40
	66.770.25.146	SDAT40 x SAC25PN - 146	146	91	65	25 N-m	PN25	3 ~ 16	6.40
	66.770.32.146	SDAT40 x SAC32PN - 146	146	91.4	65	25 N-m	PN32	3 ~ 20	6.44
	67.770.20.150	SDAT50 x SAC20PN - 150	150	91	80	25 N-m	PN20	3 ~ 13	6.40
	67.770.25.150	SDAT50 x SAC25PN - 150	150	91	80	25 N-m	PN25	3 ~ 16	6.40
	67.770.32.150	SDAT50 x SAC32PN - 150	150	91.4	80	25 N-m	PN32	3 ~ 20	6.44

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

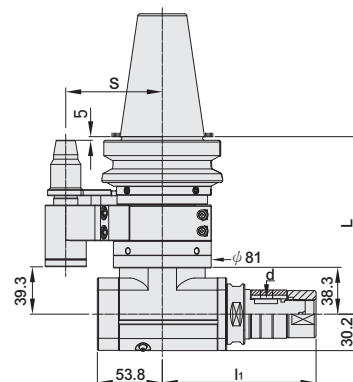


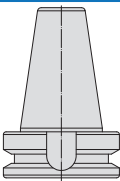
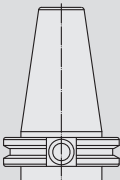
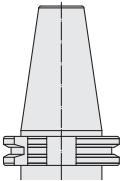
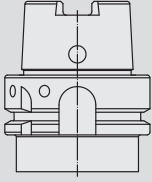
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[SCA TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	d	S	TORQUE	WEIGHT (KGS)
 <p>MAS 403</p>	11.770.22.130	BT40 x SAC22SC - 130	130	67.5	22	65	25 N-m	6.40
	11.770.68.130	BT40 x SAC25.4SC - 130	130	67.5	25.4	65	25 N-m	6.40
	12.770.22.147	BT50 x SAC22SC - 147	147	67.5	22	80	25 N-m	6.44
	12.770.68.147	BT50 x SAC25.4SC - 147	147	67.5	25.4	80	25 N-m	6.44
 <p>ANSI B5.50</p>	31.770.22.150	CAT40 x SAC22SC - 150	150	67.5	22	65	25 N-m	6.40
	31.770.68.150	CAT40 x SAC25.4SC - 150	150	67.5	25.4	65	25 N-m	6.40
	32.770.22.150	CAT50 x SAC22SC - 150	150	67.5	22	80	25 N-m	6.44
	32.770.68.150	CAT50 x SAC25.4SC - 150	150	67.5	25.4	80	25 N-m	6.44
 <p>DIN 69871-A</p>	51.770.22.146	DAT40 x SAC22SC - 146	146	67.5	22	65	25 N-m	6.40
	51.770.68.146	DAT40 x SAC25.4SC - 146	146	67.5	25.4	65	25 N-m	6.40
	52.770.22.150	DAT50 x SAC22SC - 150	150	67.5	22	80	25 N-m	6.44
	52.770.68.150	DAT50 x SAC25.4SC - 150	150	67.5	25.4	80	25 N-m	6.44
 <p>DIN 69893 A</p>	73.770.22.155	HSK63A x SAC22SC - 155	155	67.5	22	65	25 N-m	8.40
	73.770.68.155	HSK63A x SAC25.4SC - 155	155	67.5	25.4	65	25 N-m	8.40
	75.770.22.151	HSK100A x SAC22SC - 151	151	67.5	22	80	25 N-m	8.40
	75.770.68.151	HSK100A x SAC25.4SC - 151	151	67.5	25.4	80	25 N-m	8.40

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

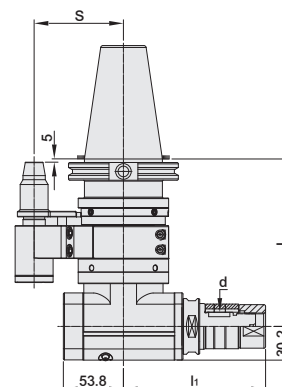


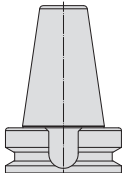
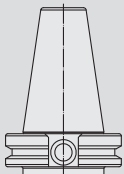
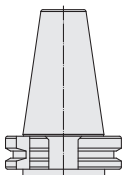
SAC ANGLE HEAD HOLDER

FOR MEDIUM CUTTING

SAC 中鋼炮銑削頭

[SCA TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	d	S	TORQUE	WEIGHT (KGS)
 DualDRIVE+	26.770.22.130	SBT40 x SAC22SC - 130	130	67.5	22	65	25 N-m	6.40
	26.770.68.130	SBT40 x SAC25.4SC - 130	130	67.5	25.4	65	25 N-m	6.40
	27.770.22.147	SBT50 x SAC22SC - 147	147	67.5	22	80	25 N-m	6.44
	27.770.68.147	SBT50 x SAC25.4SC - 147	147	67.5	25.4	80	25 N-m	6.44
 DualDRIVE+	43.770.22.150	SCAT40 x SAC22SC - 150	150	67.5	22	65	25 N-m	6.40
	43.770.68.150	SCAT40 x SAC25.4SC - 150	150	67.5	25.4	65	25 N-m	6.40
	44.770.22.150	SCAT50 x SAC22SC - 150	150	67.5	22	80	25 N-m	6.44
	44.770.68.150	SCAT50 x SAC25.4SC - 150	150	67.5	25.4	80	25 N-m	6.44
 DualDRIVE+	66.770.22.146	SDAT40 x SAC22SC - 146	146	67.5	22	65	25 N-m	6.40
	66.770.68.146	SDAT40 x SAC25.4SC - 146	146	67.5	25.4	65	25 N-m	6.40
	67.770.22.150	SDAT50 x SAC22SC - 150	150	67.5	22	80	25 N-m	6.44
	67.770.68.150	SDAT50 x SAC25.4SC - 150	150	67.5	25.4	80	25 N-m	6.44

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Max. torque: 25N-m.
- ▶ Suggested $A_p \leq 3\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

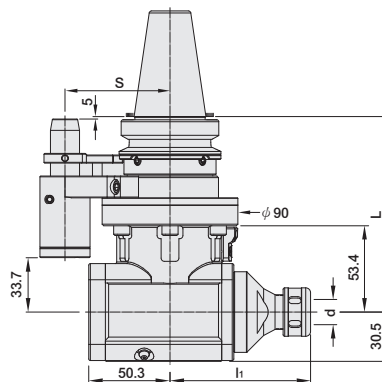


SAM ANGLE HEAD HOLDER

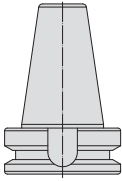
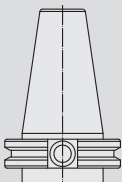
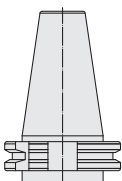
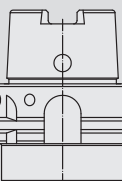
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(SKS TYPE)



WITH COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	d SIZE RANGE	WEIGHT (KGS)
 <p>MAS 403</p>	11.635.10.120	BT40 x SAM10S - 120	120	87	65	20 N-m	SKS10	3 ~ 10	5.20
	11.635.13.120	BT40 x SAM13S - 120	120	87	65	20 N-m	SKS13	3 ~ 13	5.20
	11.635.16.120	BT40 x SAM16S - 120	120	89.5	65	20 N-m	SKS16	3 ~ 16	5.20
	11.635.20.120	BT40 x SAM20S - 120	120	90	65	20 N-m	SKS20	3 ~ 20	5.20
	12.635.10.130	BT50 x SAM10S - 130	130	87	80	20 N-m	SKS10	3 ~ 10	6.30
	12.635.13.130	BT50 x SAM13S - 130	130	87	80	20 N-m	SKS13	3 ~ 13	6.30
	12.635.16.130	BT50 x SAM16S - 130	130	89.5	80	20 N-m	SKS16	3 ~ 16	6.30
	12.635.20.130	BT50 x SAM20S - 130	130	90	80	20 N-m	SKS20	3 ~ 20	6.30
 <p>ANSI B5.50</p>	31.635.10.537	CAT40 x SAM10S - 5.372"	5.372	3.425	65	20 N-m	SKS10	3 ~ 10	5.20
	31.635.13.537	CAT40 x SAM13S - 5.372"	5.372	3.425	65	20 N-m	SKS13	3 ~ 13	5.20
	31.635.16.537	CAT40 x SAM16S - 5.372"	5.372	3.524	65	20 N-m	SKS16	3 ~ 16	5.20
	31.635.20.537	CAT40 x SAM20S - 5.372"	5.372	3.543	65	20 N-m	SKS20	3 ~ 20	5.20
	32.635.10.550	CAT50 x SAM10S - 5.5"	5.5	3.425	80	20 N-m	SKS10	3 ~ 10	6.30
	32.635.13.550	CAT50 x SAM13S - 5.5"	5.5	3.425	80	20 N-m	SKS13	3 ~ 13	6.30
	32.635.16.550	CAT50 x SAM16S - 5.5"	5.5	3.524	80	20 N-m	SKS16	3 ~ 16	6.30
	32.635.20.550	CAT50 x SAM20S - 5.5"	5.5	3.543	80	20 N-m	SKS20	3 ~ 20	6.30
 <p>DIN 69871-A</p>	51.635.10.136	DAT40 x SAM10S - 136.45	136.45	87	65	20 N-m	SKS10	3 ~ 10	5.20
	51.635.13.136	DAT40 x SAM13S - 136.45	136.45	87	65	20 N-m	SKS13	3 ~ 13	5.20
	51.635.16.136	DAT40 x SAM16S - 136.45	136.45	89.5	65	20 N-m	SKS16	3 ~ 16	5.20
	51.635.20.136	DAT40 x SAM20S - 136.45	136.45	90	65	20 N-m	SKS20	3 ~ 20	5.20
	52.635.10.139	DAT50 x SAM10S - 139.7	139.7	87	80	20 N-m	SKS10	3 ~ 10	6.30
	52.635.13.139	DAT50 x SAM13S - 139.7	139.7	87	80	20 N-m	SKS13	3 ~ 13	6.30
	52.635.16.139	DAT50 x SAM16S - 139.7	139.7	89.5	80	20 N-m	SKS16	3 ~ 16	6.30
	52.635.20.139	DAT50 x SAM20S - 139.7	139.7	90	80	20 N-m	SKS20	3 ~ 20	6.30
 <p>DIN 69893 A</p>	73.635.10.145	HSK63A x SAM10S - 145	145	87	65	20 N-m	SKS10	3 ~ 10	5.20
	73.635.13.145	HSK63A x SAM13S - 145	145	87	65	20 N-m	SKS13	3 ~ 13	5.20
	73.635.16.145	HSK63A x SAM16S - 145	145	89.5	65	20 N-m	SKS16	3 ~ 16	5.20
	73.635.20.145	HSK63A x SAM20S - 145	145	90	65	20 N-m	SKS20	3 ~ 20	5.20
	75.635.10.150	HSK100A x SAM10S - 150	150	87	80	20 N-m	SKS10	3 ~ 10	6.30
	75.635.13.150	HSK100A x SAM13S - 150	150	87	80	20 N-m	SKS13	3 ~ 13	6.30
	75.635.16.150	HSK100A x SAM16S - 150	150	89.5	80	20 N-m	SKS16	3 ~ 16	6.30
	75.635.20.150	HSK100A x SAM20S - 150	150	90	80	20 N-m	SKS20	3 ~ 20	6.30

Product information: ▶ Gear ratio 1:1. ▶ Max. revolution: 4000rpm. ▶ Max. torque: 20N-m. ▶ Suggested $A_p \leq 2$ mm. ▶ Can be used for ATC.
 ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles. ▶ Max. water pressure: 7kgf/cm²(100PSI).
 ▶ Rotating direction opposite to machine spindle.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

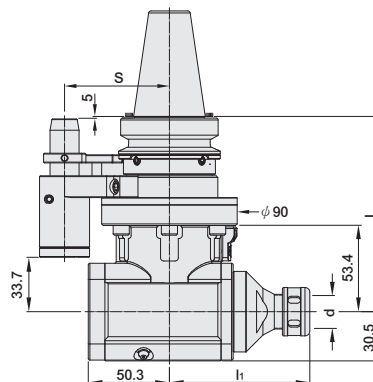


SAM ANGLE HEAD HOLDER

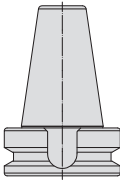
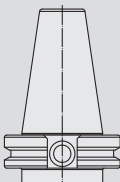
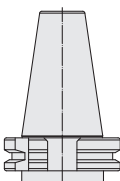
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(SKS TYPE)



WITH COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DualDRIVE+	26.635.10.120	SBT40 x SAM10S - 120	120	87	65	20 N-m	SKS10	3 ~ 10	5.20
	26.635.13.120	SBT40 x SAM13S - 120	120	87	65	20 N-m	SKS13	3 ~ 13	5.20
	26.635.16.120	SBT40 x SAM16S - 120	120	89.5	65	20 N-m	SKS16	3 ~ 16	5.20
	26.635.20.120	SBT40 x SAM20S - 120	120	90	65	20 N-m	SKS20	3 ~ 20	5.20
	27.635.10.130	SBT50 x SAM10S - 130	130	87	80	20 N-m	SKS10	3 ~ 10	6.30
	27.635.13.130	SBT50 x SAM13S - 130	130	87	80	20 N-m	SKS13	3 ~ 13	6.30
	27.635.16.130	SBT50 x SAM16S - 130	130	89.5	80	20 N-m	SKS16	3 ~ 16	6.30
	27.635.20.130	SBT50 x SAM20S - 130	130	90	80	20 N-m	SKS20	3 ~ 20	6.30
 DualDRIVE+	43.635.10.537	SCAT40 x SAM10S - 5.372"	5.372	3.425	2.559	20 N-m	SKS10	3 ~ 10	5.20
	43.635.13.537	SCAT40 x SAM13S - 5.372"	5.372	3.425	2.559	20 N-m	SKS13	3 ~ 13	5.20
	43.635.16.537	SCAT40 x SAM16S - 5.372"	5.372	3.425	2.559	20 N-m	SKS16	3 ~ 16	5.20
	43.635.20.537	SCAT40 x SAM20S - 5.372"	5.372	3.228	2.559	20 N-m	SKS20	3 ~ 20	5.20
	44.635.10.550	SCAT50 x SAM10S - 5.5"	5.5	3.425	3.145	20 N-m	SKS10	3 ~ 10	6.30
	44.635.13.550	SCAT50 x SAM13S - 5.5"	5.5	3.425	3.145	20 N-m	SKS13	3 ~ 13	6.30
	44.635.16.550	SCAT50 x SAM16S - 5.5"	5.5	3.425	3.145	20 N-m	SKS16	3 ~ 16	6.30
	44.635.20.550	SCAT50 x SAM20S - 5.5"	5.5	3.228	3.145	20 N-m	SKS20	3 ~ 20	6.30
 DualDRIVE+	66.635.10.136	SDAT40 x SAM10S - 136.45	136.45	87	65	20 N-m	SKS10	3 ~ 10	5.20
	66.635.13.136	SDAT40 x SAM13S - 136.45	136.45	87	65	20 N-m	SKS13	3 ~ 13	5.20
	66.635.16.136	SDAT40 x SAM16S - 136.45	136.45	89.5	65	20 N-m	SKS16	3 ~ 16	5.20
	66.635.20.136	SDAT40 x SAM20S - 136.45	136.45	90	65	20 N-m	SKS20	3 ~ 20	5.20
	67.635.10.139	SDAT50 x SAM10S - 139.7	139.7	87	80	20 N-m	SKS10	3 ~ 10	6.30
	67.635.13.139	SDAT50 x SAM13S - 139.7	139.7	87	80	20 N-m	SKS13	3 ~ 13	6.30
	67.635.16.139	SDAT50 x SAM16S - 139.7	139.7	89.5	80	20 N-m	SKS16	3 ~ 16	6.30
	67.635.20.139	SDAT50 x SAM20S - 139.7	139.7	90	80	20 N-m	SKS20	3 ~ 20	6.30

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.S-35~36

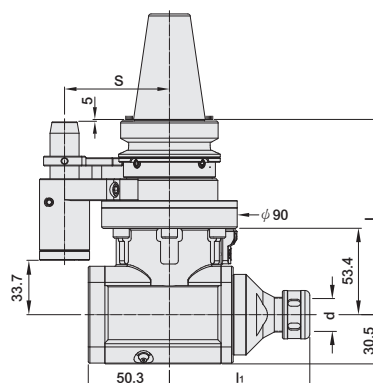


SAM ANGLE HEAD HOLDER

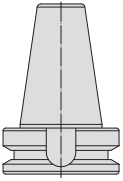
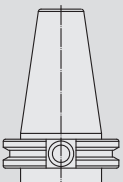
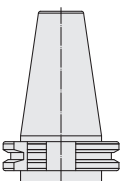
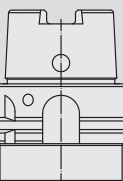
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(SKS TYPE)



WITHOUT COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 MAS 403	11.635X.10.120	BT40 x SAM10SX - 120	120	87	65	20 N-m	SKS10	3 ~ 10	6.40
	11.635X.13.120	BT40 x SAM13SX - 120	120	87	65	20 N-m	SKS13	3 ~ 13	6.40
	11.635X.16.120	BT40 x SAM16SX - 120	120	89.5	65	20 N-m	SKS16	3 ~ 16	6.40
	11.635X.20.120	BT40 x SAM20SX - 120	120	90	65	20 N-m	SKS20	3 ~ 20	6.40
	12.635X.10.130	BT50 x SAM10SX - 130	130	87	80	20 N-m	SKS10	3 ~ 10	8.40
	12.635X.13.130	BT50 x SAM13SX - 130	130	87	80	20 N-m	SKS13	3 ~ 13	8.40
	12.635X.16.130	BT50 x SAM16SX - 130	130	89.5	80	20 N-m	SKS16	3 ~ 16	8.40
 ANSI B5.50	12.635X.20.130	BT50 x SAM20SX - 130	130	90	80	20 N-m	SKS20	3 ~ 20	8.40
	31.635X.10.537	CAT40 x SAM10SX - 5.372"	5.372	3.425	2.559	20 N-m	SKS10	3 ~ 10	6.40
	31.635X.13.537	CAT40 x SAM13SX - 5.372"	5.372	3.425	2.559	20 N-m	SKS13	3 ~ 13	6.40
	31.635X.16.537	CAT40 x SAM16SX - 5.372"	5.372	3.524	2.559	20 N-m	SKS16	3 ~ 16	6.40
	31.635X.20.537	CAT40 x SAM20SX - 5.372"	5.372	3.543	2.559	20 N-m	SKS20	3 ~ 20	6.40
	32.635X.10.550	CAT50 x SAM10SX - 5.5"	5.5	3.425	3.145	20 N-m	SKS10	3 ~ 10	8.40
	32.635X.13.550	CAT50 x SAM13SX - 5.5"	5.5	3.425	3.145	20 N-m	SKS13	3 ~ 13	8.40
 DIN 69871-A	32.635X.16.550	CAT50 x SAM16SX - 5.5"	5.5	3.524	3.145	20 N-m	SKS16	3 ~ 16	8.40
	32.635X.20.550	CAT50 x SAM20SX - 5.5"	5.5	3.543	3.145	20 N-m	SKS20	3 ~ 20	8.40
	51.635X.10.136	DAT40 x SAM10SX - 136.45	136.45	87	65	20 N-m	SKS10	3 ~ 10	6.40
	51.635X.13.136	DAT40 x SAM13SX - 136.45	136.45	87	65	20 N-m	SKS13	3 ~ 13	6.40
	51.635X.16.136	DAT40 x SAM16SX - 136.45	136.45	89.5	65	20 N-m	SKS16	3 ~ 16	6.40
	51.635X.20.136	DAT40 x SAM20SX - 136.45	136.45	90	65	20 N-m	SKS20	3 ~ 20	6.40
	52.635X.10.139	DAT50 x SAM10SX - 139.7	139.7	87	80	20 N-m	SKS10	3 ~ 10	8.40
 DIN 69893 A	52.635X.13.139	DAT50 x SAM13SX - 139.7	139.7	87	80	20 N-m	SKS13	3 ~ 13	8.40
	52.635X.16.139	DAT50 x SAM16SX - 139.7	139.7	89.5	80	20 N-m	SKS16	3 ~ 16	8.40
	52.635X.20.139	DAT50 x SAM20SX - 139.7	139.7	90	80	20 N-m	SKS20	3 ~ 20	8.40
	73.635X.10.145	HSK63A x SAM10SX - 145	145	87	65	20 N-m	SKS10	3 ~ 10	6.40
	73.635X.13.145	HSK63A x SAM13SX - 145	145	87	65	20 N-m	SKS13	3 ~ 13	6.40
	73.635X.16.145	HSK63A x SAM16SX - 145	145	89.5	65	20 N-m	SKS16	3 ~ 16	6.40
	73.635X.20.145	HSK63A x SAM20SX - 145	145	90	65	20 N-m	SKS20	3 ~ 20	6.40
	75.635X.10.150	HSK100A x SAM10SX - 150	150	87	80	20 N-m	SKS10	3 ~ 10	8.40
	75.635X.13.150	HSK100A x SAM13SX - 150	150	87	80	20 N-m	SKS13	3 ~ 13	8.40
	75.635X.16.150	HSK100A x SAM16SX - 150	150	89.5	80	20 N-m	SKS16	3 ~ 16	8.40
	75.635X.20.150	HSK100A x SAM20SX - 150	150	90	80	20 N-m	SKS20	3 ~ 20	8.40

Product information: ▶ Gear ratio 1:1. ▶ Max. revolution: 4000rpm. ▶ Max. torque: 20N-m. ▶ Suggested $A_p \leq 2\text{mm}$.
 ▶ Internal coolant not available. ▶ Rotating direction opposite to machine spindle.
 ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

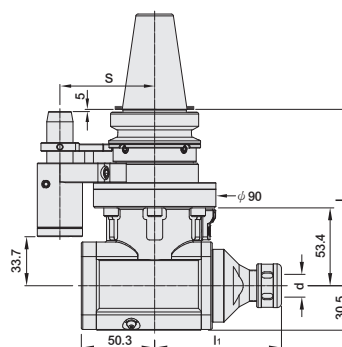


SAM ANGLE HEAD HOLDER

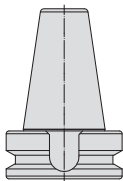
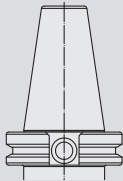
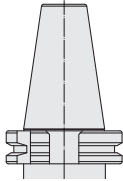
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(SKS TYPE)



WITHOUT COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DualDRIVE+	26.635X.10.120	SBT40 x SAM10SX - 120	120	87	65	20 N-m	SKS10	3 ~ 10	6.40
	26.635X.13.120	SBT40 x SAM13SX - 120	120	87	65	20 N-m	SKS13	3 ~ 13	6.40
	26.635X.16.120	SBT40 x SAM16SX - 120	120	89.5	65	20 N-m	SKS16	3 ~ 16	6.40
	26.635X.20.120	SBT40 x SAM20SX - 120	120	90	65	20 N-m	SKS20	3 ~ 20	6.40
	27.635X.10.130	SBT50 x SAM10SX - 130	130	87	80	20 N-m	SKS10	3 ~ 10	8.40
	27.635X.13.130	SBT50 x SAM13SX - 130	130	87	80	20 N-m	SKS13	3 ~ 13	8.40
	27.635X.16.130	SBT50 x SAM16SX - 130	130	89.5	80	20 N-m	SKS16	3 ~ 16	8.40
 DualDRIVE+	27.635X.20.130	SBT50 x SAM20SX - 130	130	90	80	20 N-m	SKS20	3 ~ 20	8.40
	43.635X.10.537	SCAT40 x SAM10SX - 5.372"	5.372	3.425	2.559	20 N-m	SKS10	3 ~ 10	6.40
	43.635X.13.537	SCAT40 x SAM13SX - 5.372"	5.372	3.425	2.559	20 N-m	SKS13	3 ~ 13	6.40
	43.635X.16.537	SCAT40 x SAM16SX - 5.372"	5.372	3.425	2.559	20 N-m	SKS16	3 ~ 16	6.40
	43.635X.20.537	SCAT40 x SAM20SX - 5.372"	5.372	3.228	2.559	20 N-m	SKS20	3 ~ 20	6.40
	44.635X.10.550	SCAT50 x SAM10SX - 5.5"	5.5	3.425	3.145	20 N-m	SKS10	3 ~ 10	8.40
	44.635X.13.550	SCAT50 x SAM13SX - 5.5"	5.5	3.425	3.145	20 N-m	SKS13	3 ~ 13	8.40
 DualDRIVE+	44.635X.16.550	SCAT50 x SAM16SX - 5.5"	5.5	3.425	3.145	20 N-m	SKS16	3 ~ 16	8.40
	44.635X.20.550	SCAT50 x SAM20SX - 5.5"	5.5	3.228	3.145	20 N-m	SKS20	3 ~ 20	8.40
	66.635X.10.136	SDAT40 x SAM10SX - 136.45	136.45	87	65	20 N-m	SKS10	3 ~ 10	6.40
	66.635X.13.136	SDAT40 x SAM13SX - 136.45	136.45	87	65	20 N-m	SKS13	3 ~ 13	6.40
	66.635X.16.136	SDAT40 x SAM16SX - 136.45	136.45	89.5	65	20 N-m	SKS16	3 ~ 16	6.40
	66.635X.20.136	SDAT40 x SAM20SX - 136.45	136.45	90	65	20 N-m	SKS20	3 ~ 20	6.40
	67.635X.10.139	SDAT50 x SAM10SX - 139.7	139.7	87	80	20 N-m	SKS10	3 ~ 10	8.40
	67.635X.13.139	SDAT50 x SAM13SX - 139.7	139.7	87	80	20 N-m	SKS13	3 ~ 13	8.40
	67.635X.16.139	SDAT50 x SAM16SX - 139.7	139.7	89.5	80	20 N-m	SKS16	3 ~ 16	8.40
67.635X.20.139	SDAT50 x SAM20SX - 139.7	139.7	90	80	20 N-m	SKS20	3 ~ 20	8.40	

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

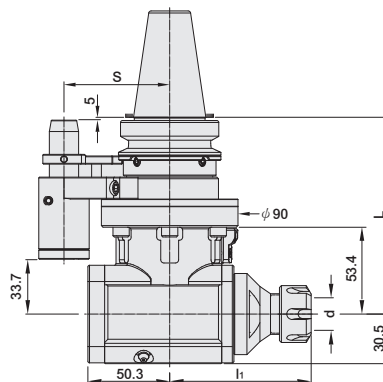


SAM ANGLE HEAD HOLDER

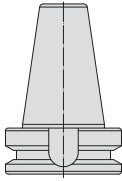
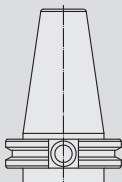
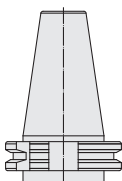
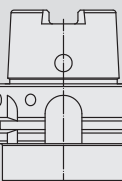
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(ER TYPE)



WITH COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 MAS 403	11.636.16.120	BT40 x SAM16E - 120	120	87	65	20 N-m	ER16	1 ~ 10	6.40
	11.636.20.120	BT40 x SAM20E - 120	120	87	65	20 N-m	ER20	1 ~ 13	6.40
	11.636.25.120	BT40 x SAM25E - 120	120	87	65	20 N-m	ER25	1 ~ 16	6.40
	11.636.32.120	BT40 x SAM32E - 120	120	82	65	20 N-m	ER32	2 ~ 20	6.44
	12.636.16.130	BT50 x SAM16E - 130	130	87	80	20 N-m	ER16	1 ~ 10	8.40
	12.636.20.130	BT50 x SAM20E - 130	130	87	80	20 N-m	ER20	1 ~ 13	8.40
	12.636.25.130	BT50 x SAM25E - 130	130	87	80	20 N-m	ER25	1 ~ 16	8.40
	12.636.32.130	BT50 x SAM32E - 130	130	82	80	20 N-m	ER32	2 ~ 20	8.44
 ANSI B5.50	31.636.16.537	CAT40 x SAM16E - 5.372"	5.372	3.425	2.559	20 N-m	ER16	1 ~ 10	6.40
	31.636.20.537	CAT40 x SAM20E - 5.372"	5.372	3.425	2.559	20 N-m	ER20	1 ~ 13	6.40
	31.636.25.537	CAT40 x SAM25E - 5.372"	5.372	3.425	2.559	20 N-m	ER25	1 ~ 16	6.40
	31.636.32.537	CAT40 x SAM32E - 5.372"	5.372	3.228	2.559	20 N-m	ER32	2 ~ 20	6.44
	32.636.16.550	CAT50 x SAM16E - 5.5"	5.5	3.425	3.145	20 N-m	ER16	1 ~ 10	8.40
	32.636.20.550	CAT50 x SAM20E - 5.5"	5.5	3.425	3.145	20 N-m	ER20	1 ~ 13	8.40
	32.636.25.550	CAT50 x SAM25E - 5.5"	5.5	3.425	3.145	20 N-m	ER25	1 ~ 16	8.40
	32.636.32.550	CAT50 x SAM32E - 5.5"	5.5	3.228	3.145	20 N-m	ER32	2 ~ 20	8.44
 DIN 69871-A	51.636.16.136	DAT40 x SAM16E - 136.45	136.45	87	65	20 N-m	ER16	1 ~ 10	6.40
	51.636.20.136	DAT40 x SAM20E - 136.45	136.45	87	65	20 N-m	ER20	1 ~ 13	6.40
	51.636.25.136	DAT40 x SAM25E - 136.45	136.45	87	65	20 N-m	ER25	1 ~ 16	6.40
	51.636.32.136	DAT40 x SAM32E - 136.45	136.45	82	65	20 N-m	ER32	2 ~ 20	6.44
	52.636.16.139	DAT50 x SAM16E - 139.7	139.7	87	80	20 N-m	ER16	1 ~ 10	8.40
	52.636.20.139	DAT50 x SAM20E - 139.7	139.7	87	80	20 N-m	ER20	1 ~ 13	8.40
	52.636.25.139	DAT50 x SAM25E - 139.7	139.7	87	80	20 N-m	ER25	1 ~ 16	8.40
	52.636.32.139	DAT50 x SAM32E - 139.7	139.7	82	80	20 N-m	ER32	2 ~ 20	8.44
 DIN 69893 A	73.636.16.145	HSK63A x SAM16E - 145	145	87	65	20 N-m	ER16	1 ~ 10	6.40
	73.636.20.145	HSK63A x SAM20E - 145	145	87	65	20 N-m	ER20	1 ~ 13	6.40
	73.636.25.145	HSK63A x SAM25E - 145	145	87	65	20 N-m	ER25	1 ~ 16	6.40
	73.636.32.145	HSK63A x SAM32E - 145	145	82	65	20 N-m	ER32	2 ~ 20	6.44
	75.636.16.150	HSK100A x SAM16E - 150	150	87	80	20 N-m	ER16	1 ~ 10	8.40
	75.636.20.150	HSK100A x SAM20E - 150	150	87	80	20 N-m	ER20	1 ~ 13	8.40
	75.636.25.150	HSK100A x SAM25E - 150	150	87	80	20 N-m	ER25	1 ~ 16	8.40
	75.636.32.150	HSK100A x SAM32E - 150	150	82	80	20 N-m	ER32	2 ~ 20	8.44

Product information: ▶ Gear ratio 1:1. ▶ Max. revolution: 4000rpm. ▶ Max. torque: 20N-m. ▶ Suggested $A_p \leq 2\text{mm}$.
 ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles. ▶ Max. water pressure: $7\text{kgf/cm}^2(100\text{PSI})$.
 ▶ Rotating direction opposite to machine spindle. ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

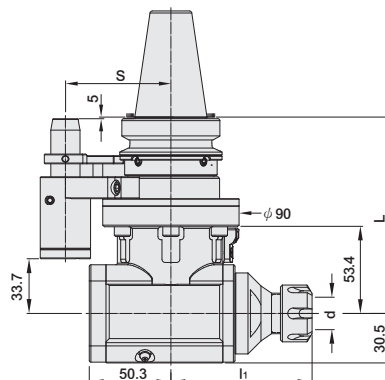


SAM ANGLE HEAD HOLDER

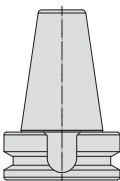
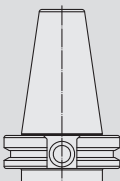
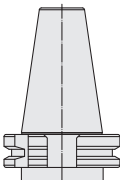
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(ER TYPE)



WITH COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE RANGE ^d	WEIGHT (KGS)
 DualDRIVE+	26.636.16.120	SBT40 x SAM16E - 120	120	87	65	20 N-m	ER16	1 ~ 10	6.40
	26.636.20.120	SBT40 x SAM20E - 120	120	87	65	20 N-m	ER20	1 ~ 13	6.40
	26.636.25.120	SBT40 x SAM25E - 120	120	87	65	20 N-m	ER25	1 ~ 16	6.40
	26.636.32.120	SBT40 x SAM32E - 120	120	82	65	20 N-m	ER32	2 ~ 20	6.44
	27.636.16.130	SBT50 x SAM16E - 130	130	87	80	20 N-m	ER16	1 ~ 10	8.40
	27.636.20.130	SBT50 x SAM20E - 130	130	87	80	20 N-m	ER20	1 ~ 13	8.40
	27.636.25.130	SBT50 x SAM25E - 130	130	87	80	20 N-m	ER25	1 ~ 16	8.40
 DualDRIVE+	27.636.32.130	SBT50 x SAM32E - 130	130	82	80	20 N-m	ER32	2 ~ 20	8.44
	43.636.16.537	SCAT40 x SAM16E - 5.372"	5.372	3.425	2.559	20 N-m	ER16	1 ~ 10	6.40
	43.636.20.537	SCAT40 x SAM20E - 5.372"	5.372	3.425	2.559	20 N-m	ER20	1 ~ 13	6.40
	43.636.25.537	SCAT40 x SAM25E - 5.372"	5.372	3.425	2.559	20 N-m	ER25	1 ~ 16	6.40
	43.636.32.537	SCAT40 x SAM32E - 5.372"	5.372	3.228	2.559	20 N-m	ER32	2 ~ 20	6.44
	44.636.16.550	SCAT50 x SAM16E - 5.5"	5.5	3.425	3.145	20 N-m	ER16	1 ~ 10	8.40
	44.636.20.550	SCAT50 x SAM20E - 5.5"	5.5	3.425	3.145	20 N-m	ER20	1 ~ 13	8.40
 DualDRIVE+	44.636.25.550	SCAT50 x SAM25E - 5.5"	5.5	3.425	3.145	20 N-m	ER25	1 ~ 16	8.40
	44.636.32.550	SCAT50 x SAM32E - 5.5"	5.5	3.228	3.145	20 N-m	ER32	2 ~ 20	8.44
	66.636.16.136	SDAT40 x SAM16E - 136.45	136.45	87	65	20 N-m	ER16	1 ~ 10	6.40
	66.636.20.136	SDAT40 x SAM20E - 136.45	136.45	87	65	20 N-m	ER20	1 ~ 13	6.40
	66.636.25.136	SDAT40 x SAM25E - 136.45	136.45	87	65	20 N-m	ER25	1 ~ 16	6.40
	66.636.32.136	SDAT40 x SAM32E - 136.45	136.45	82	65	20 N-m	ER32	2 ~ 20	6.44
	67.636.16.139	SDAT50 x SAM16E - 139.7	139.7	87	80	20 N-m	ER16	1 ~ 10	8.40
	67.636.20.139	SDAT50 x SAM20E - 139.7	139.7	87	80	20 N-m	ER20	1 ~ 13	8.40
	67.636.25.139	SDAT50 x SAM25E - 139.7	139.7	87	80	20 N-m	ER25	1 ~ 16	8.40
67.636.32.139	SDAT50 x SAM32E - 139.7	139.7	82	80	20 N-m	ER32	2 ~ 20	8.44	

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.S-35~36

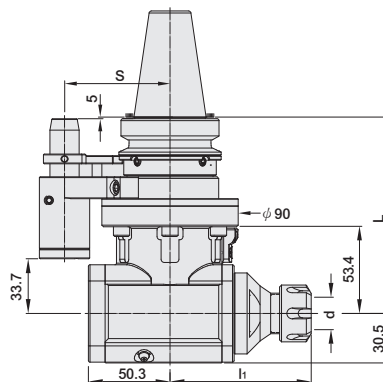


SAM ANGLE HEAD HOLDER

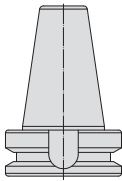
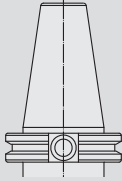
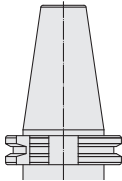
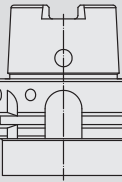
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(ER TYPE)



WITHOUT COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	h ₁	S	TORQUE	COLLET	SIZE d RANGE	WEIGHT (KGS)
 MAS 403	11.636X.16.120	BT40 x SAM16EX - 120	120	87	65	20 N-m	ER16	1 ~ 10	5.20
	11.636X.20.120	BT40 x SAM20EX - 120	120	87	65	20 N-m	ER20	1 ~ 13	5.20
	11.636X.25.120	BT40 x SAM25EX - 120	120	87	65	20 N-m	ER25	1 ~ 16	5.20
	11.636X.32.120	BT40 x SAM32EX - 120	120	82	65	20 N-m	ER32	2 ~ 20	7.76
	12.636X.16.130	BT50 x SAM16EX - 130	130	87	80	20 N-m	ER16	1 ~ 10	6.30
	12.636X.20.130	BT50 x SAM20EX - 130	130	87	80	20 N-m	ER20	1 ~ 13	6.30
	12.636X.25.130	BT50 x SAM25EX - 130	130	87	80	20 N-m	ER25	1 ~ 16	6.30
	12.636X.32.130	BT50 x SAM32EX - 130	130	82	80	20 N-m	ER32	2 ~ 20	8.86
 ANSI B5.50	31.636X.16.537	CAT40 x SAM16EX - 5.372"	5.372	3.425	2.559	20 N-m	ER16	1 ~ 10	5.20
	31.636X.20.537	CAT40 x SAM20EX - 5.372"	5.372	3.425	2.559	20 N-m	ER20	1 ~ 13	5.20
	31.636X.25.537	CAT40 x SAM25EX - 5.372"	5.372	3.425	2.559	20 N-m	ER25	1 ~ 16	5.20
	31.636X.32.537	CAT40 x SAM32EX - 5.372"	5.372	3.228	2.559	20 N-m	ER32	2 ~ 20	7.76
	32.636X.16.550	CAT50 x SAM16EX - 5.5"	5.5	3.425	3.145	20 N-m	ER16	1 ~ 10	6.30
	32.636X.20.550	CAT50 x SAM20EX - 5.5"	5.5	3.425	3.145	20 N-m	ER20	1 ~ 13	6.30
	32.636X.25.550	CAT50 x SAM25EX - 5.5"	5.5	3.425	3.145	20 N-m	ER25	1 ~ 16	6.30
	32.636X.32.550	CAT50 x SAM32EX - 5.5"	5.5	3.228	3.145	20 N-m	ER32	2 ~ 20	8.86
 DIN 69871-A	51.636X.16.136	DAT40 x SAM16EX - 136.45	136.45	87	65	20 N-m	ER16	1 ~ 10	5.20
	51.636X.20.136	DAT40 x SAM20EX - 136.45	136.45	87	65	20 N-m	ER20	1 ~ 13	5.20
	51.636X.25.136	DAT40 x SAM25EX - 136.45	136.45	87	65	20 N-m	ER25	1 ~ 16	5.20
	51.636X.32.136	DAT40 x SAM32EX - 136.45	136.45	82	65	20 N-m	ER32	2 ~ 20	7.76
	52.636X.16.139	DAT50 x SAM16EX - 139.7	139.7	87	80	20 N-m	ER16	1 ~ 10	6.30
	52.636X.20.139	DAT50 x SAM20EX - 139.7	139.7	87	80	20 N-m	ER20	1 ~ 13	6.30
	52.636X.25.139	DAT50 x SAM25EX - 139.7	139.7	87	80	20 N-m	ER25	1 ~ 16	6.30
	52.636X.32.139	DAT50 x SAM32EX - 139.7	139.7	82	80	20 N-m	ER32	2 ~ 20	8.86
 DIN 69893 A	73.636X.16.145	HSK63A x SAM16EX - 145	145	87	65	20 N-m	ER16	1 ~ 10	6.40
	73.636X.20.145	HSK63A x SAM20EX - 145	145	87	65	20 N-m	ER20	1 ~ 13	6.40
	73.636X.25.145	HSK63A x SAM25EX - 145	145	87	65	20 N-m	ER25	1 ~ 16	6.40
	73.636X.32.145	HSK63A x SAM32EX - 145	145	82	65	20 N-m	ER32	2 ~ 20	6.44
	75.636X.16.150	HSK100A x SAM16EX - 150	150	87	80	20 N-m	ER16	1 ~ 10	8.40
	75.636X.20.150	HSK100A x SAM20EX - 150	150	87	80	20 N-m	ER20	1 ~ 13	8.40
	75.636X.25.150	HSK100A x SAM25EX - 150	150	87	80	20 N-m	ER25	1 ~ 16	8.40
	75.636X.32.150	HSK100A x SAM32EX - 150	150	82	80	20 N-m	ER32	2 ~ 20	8.44

Product information:

- ▶ Gear ratio 1:1. ▶ Max. revolution: 4000rpm. ▶ Max. torque: 20N-m. ▶ Suggested $A_p \leq 2$ mm.
- ▶ Internal coolant not available. ▶ Rotating direction opposite to machine spindle. ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional Fixed Block



P.5-35~36

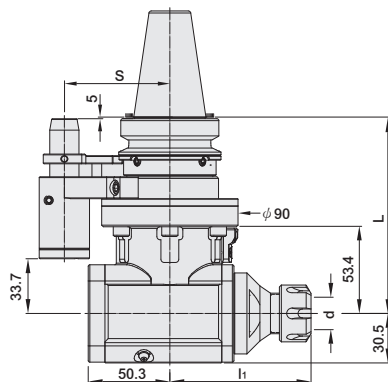


SAM ANGLE HEAD HOLDER

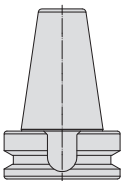
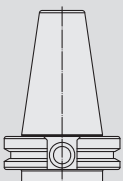
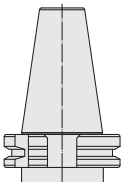
FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

(ER TYPE)



WITHOUT COOLANT SYSTEM

SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	COLLET	SIZE d RANGE	WEIGHT (KGS)
 DualDRIVE+	26.636X.16.120	SBT40 x SAM16EX - 120	120	87	65	20 N-m	ER16	1 ~ 10	5.20
	26.636X.20.120	SBT40 x SAM20EX - 120	120	87	65	20 N-m	ER20	1 ~ 13	5.20
	26.636X.25.120	SBT40 x SAM25EX - 120	120	87	65	20 N-m	ER25	1 ~ 16	5.20
	26.636X.32.120	SBT40 x SAM32EX - 120	120	82	65	20 N-m	ER32	2 ~ 20	7.76
	27.636X.16.130	SBT50 x SAM16EX - 130	130	87	80	20 N-m	ER16	1 ~ 10	6.30
	27.636X.20.130	SBT50 x SAM20EX - 130	130	87	80	20 N-m	ER20	1 ~ 13	6.30
	27.636X.25.130	SBT50 x SAM25EX - 130	130	87	80	20 N-m	ER25	1 ~ 16	6.30
 DualDRIVE+	27.636X.32.130	SBT50 x SAM32EX - 130	130	82	80	20 N-m	ER32	2 ~ 20	8.86
	43.636X.16.537	SCAT40 x SAM16EX - 5.372"	5.372	3.425	2.559	20 N-m	ER16	1 ~ 10	5.20
	43.636X.20.537	SCAT40 x SAM20EX - 5.372"	5.372	3.425	2.559	20 N-m	ER20	1 ~ 13	5.20
	43.636X.25.537	SCAT40 x SAM25EX - 5.372"	5.372	3.425	2.559	20 N-m	ER25	1 ~ 16	5.20
	43.636X.32.537	SCAT40 x SAM32EX - 5.372"	5.372	3.228	2.559	20 N-m	ER32	2 ~ 20	7.76
	44.636X.16.550	SCAT50 x SAM16EX - 5.5"	5.5	3.425	3.145	20 N-m	ER16	1 ~ 10	6.30
	44.636X.20.550	SCAT50 x SAM20EX - 5.5"	5.5	3.425	3.145	20 N-m	ER20	1 ~ 13	6.30
 DualDRIVE+	44.636X.25.550	SCAT50 x SAM25EX - 5.5"	5.5	3.425	3.145	20 N-m	ER25	1 ~ 16	6.30
	44.636X.32.550	SCAT50 x SAM32EX - 5.5"	5.5	3.228	3.145	20 N-m	ER32	2 ~ 20	8.86
	66.636X.16.136	SDAT40 x SAM16EX - 136.45	136.45	87	65	20 N-m	ER16	1 ~ 10	5.20
	66.636X.20.136	SDAT40 x SAM20EX - 136.45	136.45	87	65	20 N-m	ER20	1 ~ 13	5.20
	66.636X.25.136	SDAT40 x SAM25EX - 136.45	136.45	87	65	20 N-m	ER25	1 ~ 16	5.20
	66.636X.32.136	SDAT40 x SAM32EX - 136.45	136.45	82	65	20 N-m	ER32	2 ~ 20	7.76
	67.636X.16.139	SDAT50 x SAM16EX - 139.7	139.7	87	80	20 N-m	ER16	1 ~ 10	6.30
	67.636X.20.139	SDAT50 x SAM20EX - 139.7	139.7	87	80	20 N-m	ER20	1 ~ 13	6.30
	67.636X.25.139	SDAT50 x SAM25EX - 139.7	139.7	87	80	20 N-m	ER25	1 ~ 16	6.30
67.636X.32.139	SDAT50 x SAM32EX - 139.7	139.7	82	80	20 N-m	ER32	2 ~ 20	8.86	

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

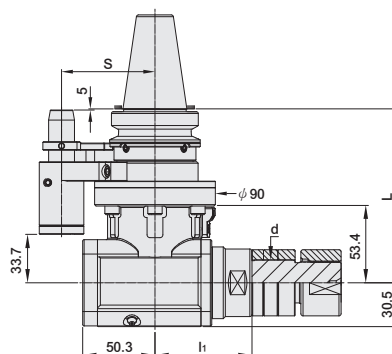


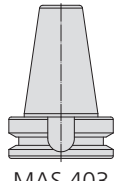
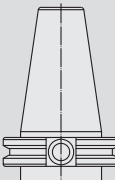
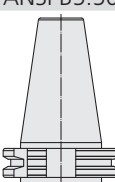
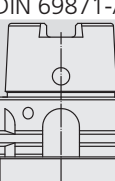
SAM ANGLE HEAD HOLDER

FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

[SCA TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	d	WEIGHT (KGS)
 MAS 403	11.637.68.120	BT40 x SAM25.4SC - 120	120	67.5	65	20 N-m	25.4	6.40
	11.637.72.120	BT40 x SAM31.75SC - 120	120	67.5	65	20 N-m	31.75	6.40
	12.637.68.130	BT50 x SAM25.4SC - 130	130	67.5	80	20 N-m	25.4	6.44
	12.637.72.130	BT50 x SAM31.75SC - 130	130	67.5	80	20 N-m	31.75	6.44
 ANSI B5.50	31.637.68.537	CAT40 x SAM1"SC - 5.372"	5.372	67.5	2.559	20 N-m	1	6.40
	31.637.72.537	CAT40 x SAM1-1/4"SC - 5.372"	5.372	67.5	2.559	20 N-m	1-1/4	6.40
	32.637.68.550	CAT50 x SAM1"SC - 5.5"	5.5	67.5	3.145	20 N-m	1	6.44
	32.637.72.550	CAT50 x SAM1-1/4"SC - 5.5"	5.5	67.5	3.145	20 N-m	1-1/4	6.44
 DIN 69871-A	51.637.68.136	DAT40 x SAM25.4SC - 136.45	136.45	67.5	65	20 N-m	25.4	6.40
	51.637.72.136	DAT40 x SAM31.75SC - 136.45	136.45	67.5	65	20 N-m	31.75	6.40
	52.637.68.139	DAT50 x SAM25.4SC - 139.7	139.7	67.5	80	20 N-m	25.4	6.44
	52.637.72.139	DAT50 x SAM31.75SC - 139.7	139.7	67.5	80	20 N-m	31.75	6.44
 DIN 69893 A	73.637.68.145	HSK63A x SAM25.4SC - 145	145	67.5	65	20 N-m	25.4	8.40
	73.637.72.145	HSK63A x SAM31.75SC - 145	145	67.5	65	20 N-m	31.75	8.40
	75.637.68.150	HSK100A x SAM25.4SC - 150	150	67.5	80	20 N-m	25.4	8.40
	75.637.72.150	HSK100A x SAM31.75SC - 150	150	67.5	80	20 N-m	31.75	8.40

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



P.5-35~36

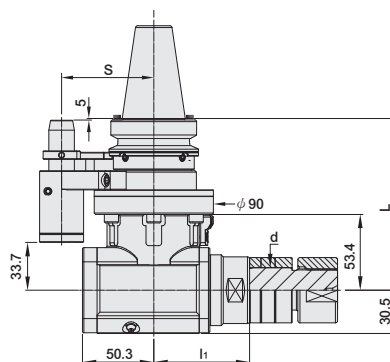


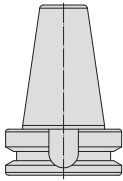
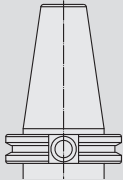
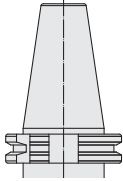
SAM ANGLE HEAD HOLDER

FOR LIGHT CUTTING

SAM 小鋼炮銑削頭

[SCA TYPE]



SHANK	MODEL NO.	TYPE	L	l ₁	S	TORQUE	d	WEIGHT (KGS)
 DualDRIVE+	26.637.68.120	SBT40 x SAM25.4SC - 120	120	67.5	65	20 N-m	25.4	6.40
	26.637.72.120	SBT40 x SAM31.75SC - 120	120	67.5	65	20 N-m	31.75	6.40
	27.637.68.130	SBT50 x SAM25.4SC - 130	130	67.5	80	20 N-m	25.4	6.44
	27.637.72.130	SBT50 x SAM31.75SC - 130	130	67.5	80	20 N-m	31.75	6.44
 DualDRIVE+	43.637.68.537	SCAT40 x SAM1"SC - 5.372"	5.372	67.5	2.559	20 N-m	1	6.40
	43.637.72.537	SCAT40 x SAM1-1/4"SC - 5.372"	5.372	67.5	2.559	20 N-m	1-1/4	6.40
	44.637.68.550	SCAT50 x SAM1"SC - 5.5"	5.5	67.5	3.145	20 N-m	1	6.44
	44.637.72.550	SCAT50 x SAM1-1/4"SC - 5.5"	5.5	67.5	3.145	20 N-m	1-1/4	6.44
 DualDRIVE+	66.637.68.136	SDAT40 x SAM25.4SC - 136.45	136.45	67.5	65	20 N-m	25.4	6.40
	66.637.72.136	SDAT40 x SAM31.75SC - 136.45	136.45	67.5	65	20 N-m	31.75	6.40
	67.637.68.139	SDAT50 x SAM25.4SC - 139.7	139.7	67.5	80	20 N-m	25.4	6.44
	67.637.72.139	SDAT50 x SAM31.75SC - 139.7	139.7	67.5	80	20 N-m	31.75	6.44

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 4000rpm.
- ▶ Max. torque: 20N-m.
- ▶ Suggested $A_p \leq 2$ mm.
- ▶ Coolant feed through spindle or dowel pin, coolant outlet from cutting tools or coolant nozzles.
- ▶ Max. water pressure: 7kgf/cm²(100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



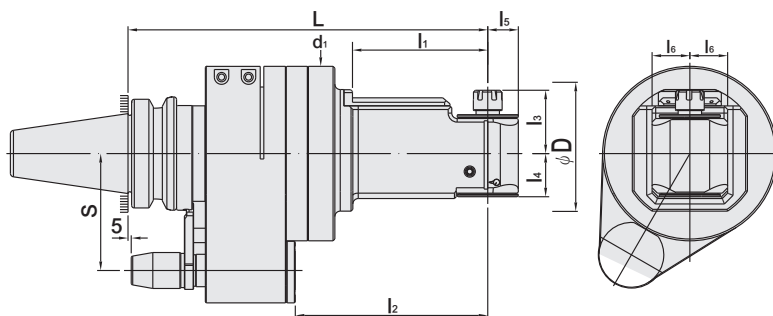
P.5-35~36



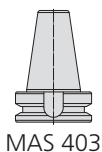
SAG ANGLE HEAD HOLDER

SLIM TYPE

SAG 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d ₁	φ D	S	TORQUE	COLLET	WEIGHT (KGS)
	11.676.11.170	BT40 x SAG11E - 170	170	45.2	77	39.2	24	17	21	97	72	65	10N-m	ER11	5.10
	11.676.11.200	BT40 x SAG11E - 200	200	75.2	107	39.2	24	17	21	97	72	65	10N-m	ER11	5.30
	11.676.11.230	BT40 x SAG11E - 230	230	105.2	137	39.2	24	17	21	97	72	65	10N-m	ER11	5.50
	11.676.11.260	BT40 x SAG11E - 260	260	135.2	167	39.2	24	17	21	97	72	65	10N-m	ER11	5.70
	11.676.16.170	BT40 x SAG16E - 170	170	38	77	57.1	45.3	28	31	99	120	65	20N-m	ER16	5.50
	11.676.16.200	BT40 x SAG16E - 200	200	82	107	57.1	45.3	28	31	99	120	65	20N-m	ER16	5.93
	11.676.16.230	BT40 x SAG16E - 230	230	112	137	57.1	45.3	28	31	99	120	65	20N-m	ER16	6.32
	11.676.16.260	BT40 x SAG16E - 260	260	142	167	57.1	45.3	28	31	99	120	65	20N-m	ER16	6.72
	11.676.20.170	BT40 x SAG20E - 170	170	38	77	58.5	45.3	28	31	99	120	65	20N-m	ER20	5.80
	11.676.20.200	BT40 x SAG20E - 200	200	82	107	58.5	45.3	28	31	99	120	65	20N-m	ER20	5.90
	11.676.20.230	BT40 x SAG20E - 230	230	112	137	58.5	45.3	28	31	99	120	65	20N-m	ER20	6.60
	11.676.20.260	BT40 x SAG20E - 260	260	142	167	58.5	45.3	28	31	99	120	65	20N-m	ER20	6.80
	12.676.16.185	BT50 x SAG16E - 185	185	38	77	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.00
	12.676.16.215	BT50 x SAG16E - 215	215	82	107	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.41
	12.676.16.245	BT50 x SAG16E - 245	245	112	137	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.81
	12.676.16.275	BT50 x SAG16E - 275	275	142	167	57.1	45.3	28	31	99	120	80	20N-m	ER16	10.2
	12.676.20.185	BT50 x SAG20E - 185	185	38	77	58.5	45.3	28	31	99	120	80	20N-m	ER20	8.90
	12.676.20.215	BT50 x SAG20E - 215	215	82	107	58.5	45.3	28	31	99	120	80	20N-m	ER20	9.50
	12.676.20.245	BT50 x SAG20E - 245	245	112	137	58.5	45.3	28	31	99	120	80	20N-m	ER20	9.80
	12.676.20.275	BT50 x SAG20E - 275	275	142	167	58.5	45.3	28	31	99	120	80	20N-m	ER20	10.9



MAS 403

COLLET	SIZE RANGE
ER11	1 ~ 7
ER16	1 ~ 10
ER20	1 ~ 13

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 15N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: $7\text{kgf/cm}^2(100\text{PSI})$.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



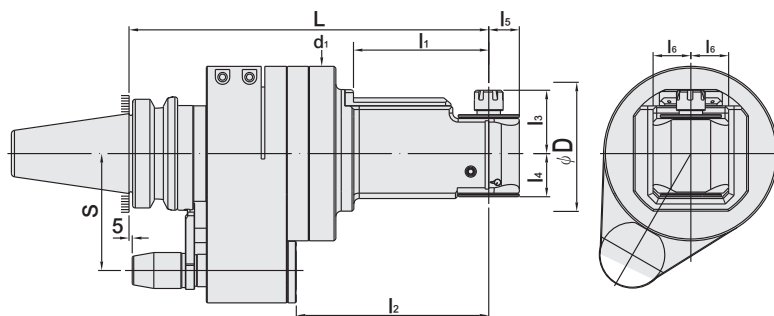
P.S-35~36

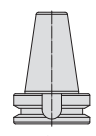


SAG ANGLE HEAD HOLDER

SLIM TYPE

SAG 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d ₁	φ D	S	TORQUE	COLLET	WEIGHT (KGS)
 MAS 403	11.676.06S.170	BT40 x SAG6S - 170	170	45.2	77	42	24	17	21	97	85	65	10N-m	SKS6	4.80
	11.676.06S.200	BT40 x SAG6S - 200	200	75.2	107	42	24	17	21	97	85	65	10N-m	SKS6	5.10
	11.676.06S.230	BT40 x SAG6S - 230	230	105.2	137	42	24	17	21	97	85	65	10N-m	SKS6	5.30
	11.676.06S.260	BT40 x SAG6S - 260	260	135.2	167	42	24	17	21	97	85	65	10N-m	SKS6	5.52
	11.676.13S.170	BT40 x SAG13S - 170	170	38	77	55.8	45.3	28	31	99	116	65	20N-m	SKS13	5.55
	11.676.13S.200	BT40 x SAG13S - 200	200	82	107	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.10
	11.676.13S.230	BT40 x SAG13S - 230	230	112	137	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.36
	11.676.13S.260	BT40 x SAG13S - 260	260	142	167	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.76
	12.676.13S.185	BT50 x SAG13S - 185	185	38	77	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.10
	12.676.13S.215	BT50 x SAG13S - 215	215	82	107	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.45
	12.676.13S.245	BT50 x SAG13S - 245	245	112	137	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.84
	12.676.13S.275	BT50 x SAG13S - 275	275	142	167	55.8	45.3	28	31	99	116	80	20N-m	SKS13	10.3
COLLET	SIZE RANGE														
SKS6	3 ~ 6														
SKS13	3 ~ 13														

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 15N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional Fixed Block



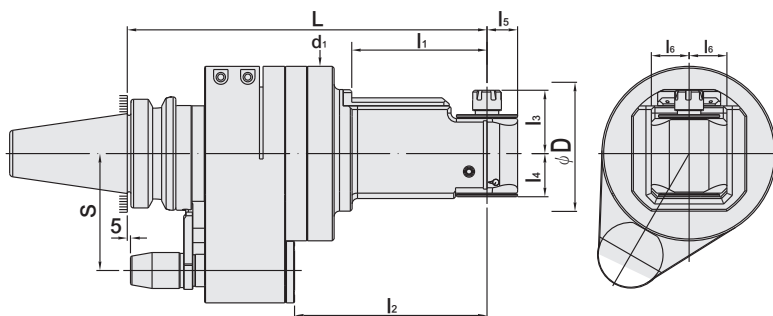
P.S-35~36



SAG ANGLE HEAD HOLDER

SLIM TYPE

SAG 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d ₁	φ D	S	TORQUE	COLLET	WEIGHT (KGS)
DauDRIVE+	26.676.11.170	SBT40 x SAG11E - 170	170	45.2	77	39.2	24	17	21	97	72	65	10N-m	ER11	5.10
	26.676.11.200	SBT40 x SAG11E - 200	200	75.2	107	39.2	24	17	21	97	72	65	10N-m	ER11	5.30
	26.676.11.230	SBT40 x SAG11E - 230	230	105.2	137	39.2	24	17	21	97	72	65	10N-m	ER11	5.50
	26.676.11.260	SBT40 x SAG11E - 260	260	135.2	167	39.2	24	17	21	97	72	65	10N-m	ER11	5.70
	26.676.16.170	SBT40 x SAG16E - 170	170	38	77	57.1	45.3	28	31	99	120	65	20N-m	ER16	5.50
	26.676.16.200	SBT40 x SAG16E - 200	200	82	107	57.1	45.3	28	31	99	120	65	20N-m	ER16	5.93
	26.676.16.230	SBT40 x SAG16E - 230	230	112	137	57.1	45.3	28	31	99	120	65	20N-m	ER16	6.32
	26.676.16.260	SBT40 x SAG16E - 260	260	142	167	57.1	45.3	28	31	99	120	65	20N-m	ER16	6.72
	26.676.20.170	SBT40 x SAG20E - 170	170	38	77	58.5	45.3	28	31	99	120	65	20N-m	ER20	5.80
	26.676.20.200	SBT40 x SAG20E - 200	200	82	107	58.5	45.3	28	31	99	120	65	20N-m	ER20	5.90
	26.676.20.230	SBT40 x SAG20E - 230	230	112	137	58.5	45.3	28	31	99	120	65	20N-m	ER20	6.60
	26.676.20.260	SBT40 x SAG20E - 260	260	142	167	58.5	45.3	28	31	99	120	65	20N-m	ER20	6.80
	27.676.16.185	SBT50 x SAG16E - 185	185	38	77	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.00
	27.676.16.215	SBT50 x SAG16E - 215	215	82	107	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.41
	27.676.16.245	SBT50 x SAG16E - 245	245	112	137	57.1	45.3	28	31	99	120	80	20N-m	ER16	9.81
	27.676.16.275	SBT50 x SAG16E - 275	275	142	167	57.1	45.3	28	31	99	120	80	20N-m	ER16	10.2
	27.676.20.185	SBT50 x SAG20E - 185	185	38	77	58.5	45.3	28	31	99	120	80	20N-m	ER20	8.90
	27.676.20.215	SBT50 x SAG20E - 215	215	82	107	58.5	45.3	28	31	99	120	80	20N-m	ER20	9.50
	27.676.20.245	SBT50 x SAG20E - 245	245	112	137	58.5	45.3	28	31	99	120	80	20N-m	ER20	9.80
	27.676.20.275	SBT50 x SAG20E - 275	275	142	167	58.5	45.3	28	31	99	120	80	20N-m	ER20	10.9



COLLET	SIZE RANGE
ER11	1 ~ 7
ER16	1 ~ 10
ER20	1 ~ 13

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 15N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: $7\text{kgf/cm}^2(100\text{PSI})$.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



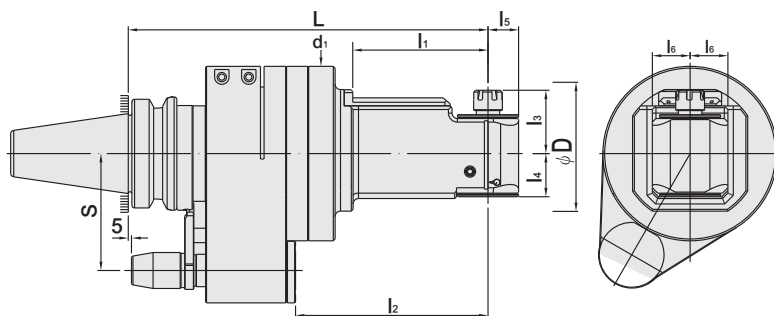
P.5-35~36

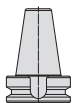


SAG ANGLE HEAD HOLDER

SLIM TYPE

SAG 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d ₁	φD	S	TORQUE	COLLET	WEIGHT (KGS)
 DaulDRIVE+	26.676.06S.170	SBT40 x SAG6S - 170	170	45.2	77	42	24	17	21	97	85	65	10N-m	SKS6	4.80
	26.676.06S.200	SBT40 x SAG6S - 200	200	75.2	107	42	24	17	21	97	85	65	10N-m	SKS6	5.10
	26.676.06S.230	SBT40 x SAG6S - 230	230	105.2	137	42	24	17	21	97	85	65	10N-m	SKS6	5.30
	26.676.06S.260	SBT40 x SAG6S - 260	260	135.2	167	42	24	17	21	97	85	65	10N-m	SKS6	5.52
	26.676.13S.170	SBT40 x SAG13S - 170	170	38	77	55.8	45.3	28	31	99	116	65	20N-m	SKS13	5.55
	26.676.13S.200	SBT40 x SAG13S - 200	200	82	107	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.10
	26.676.13S.230	SBT40 x SAG13S - 230	230	112	137	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.36
	26.676.13S.260	SBT40 x SAG13S - 260	260	142	167	55.8	45.3	28	31	99	116	65	20N-m	SKS13	6.76
	27.676.13S.185	SBT50 x SAG13S - 185	185	38	77	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.10
	27.676.13S.215	SBT50 x SAG13S - 215	215	82	107	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.45
	27.676.13S.245	SBT50 x SAG13S - 245	245	112	137	55.8	45.3	28	31	99	116	80	20N-m	SKS13	9.84
	27.676.13S.275	SBT50 x SAG13S - 275	275	142	167	55.8	45.3	28	31	99	116	80	20N-m	SKS13	10.3
COLLET	SIZE RANGE														
SKS6	3 ~ 6														
SKS13	3 ~ 13														

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 15N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.S-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional Fixed Block



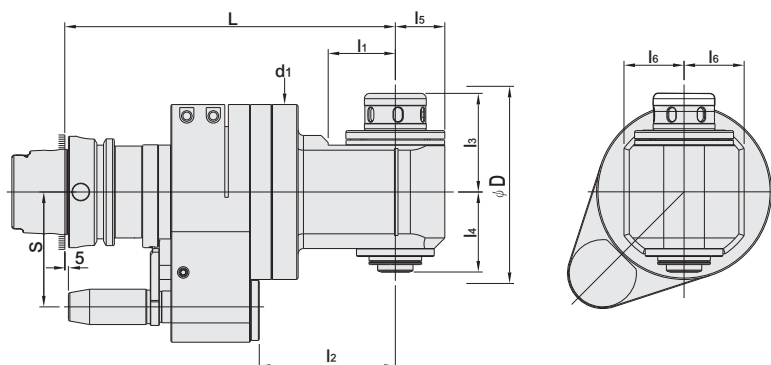
P.S-35~36



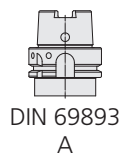
SAG ANGLE HEAD HOLDER

SLIM TYPE

SAG 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d ₁	φ D	S	TORQUE	COLLET	WEIGHT (KGS)
	73.676.11E.185	HSK63A x SAG11E - 185	185	45.2	77	39.2	24	17	21	72	97	65	10N-m	ER11	5.52
	73.676.11E.215	HSK63A x SAG11E - 215	215	75.2	107	39.2	24	17	21	72	97	65	10N-m	ER11	5.95
	73.676.11E.245	HSK63A x SAG11E - 245	245	105.2	137	39.2	24	17	21	72	97	65	10N-m	ER11	6.35
	73.676.11E.275	HSK63A x SAG11E - 275	275	135.2	167	39.2	24	17	21	72	97	65	10N-m	ER11	6.73
	73.676.16.185	HSK63A x SAG16E - 185	185	38	77	57.1	45.3	17	21	97	120	65	20N-m	ER16	5.50
	73.676.16.215	HSK63A x SAG16E - 215	215	82	107	57.1	45.3	17	21	97	120	65	20N-m	ER16	5.93
	73.676.16.245	HSK63A x SAG16E - 245	245	112	137	57.1	45.3	17	21	97	120	65	20N-m	ER16	6.32
	73.676.16.275	HSK63A x SAG16E - 275	275	142	167	57.1	45.3	17	21	97	120	65	20N-m	ER16	6.72
	73.676.20.185	HSK63A x SAG20E - 185	185	38	77	58.5	45.3	17	21	97	120	65	20N-m	ER20	5.37
	73.676.20.215	HSK63A x SAG20E - 215	215	82	107	58.5	45.3	17	21	97	120	65	20N-m	ER20	5.81
	73.676.20.245	HSK63A x SAG20E - 245	245	112	137	58.5	45.3	17	21	97	120	65	20N-m	ER20	6.21
	73.676.20.275	HSK63A x SAG20E - 275	275	142	167	58.5	45.3	17	21	97	120	65	20N-m	ER20	6.60
	73.676.06S.185	HSK63A x SAG6S - 185	185	45.2	77	42	24	17	21	85	97	65	10N-m	SKS6	5.55
	73.676.06S.215	HSK63A x SAG6S - 215	215	75.2	107	42	24	17	21	85	97	65	10N-m	SKS6	6.10
	73.676.06S.245	HSK63A x SAG6S - 245	245	105.2	137	42	24	17	21	85	97	65	10N-m	SKS6	6.36
	73.676.06S.275	HSK63A x SAG6S - 275	275	135.2	167	42	24	17	21	85	97	65	10N-m	SKS6	6.76
	73.676.13S.185	HSK63A x SAG13S - 185	185	38	77	55.8	45.3	17	21	97	116	65	20N-m	SKS13	5.52
	73.676.13S.215	HSK63A x SAG13S - 215	215	82	107	55.8	45.3	17	21	97	116	65	20N-m	SKS13	5.95
	73.676.13S.245	HSK63A x SAG13S - 245	245	112	137	55.8	45.3	17	21	97	116	65	20N-m	SKS13	6.35
	73.676.13S.275	HSK63A x SAG13S - 275	275	142	167	55.8	45.3	17	21	97	116	65	20N-m	SKS13	6.73



COLLET	SIZE RANGE
ER11	1 ~ 7
ER16	1 ~ 10
ER20	1 ~ 13
SKS6	3 ~ 6
SKS13	3 ~ 13

Product information:

- ▶ Gear ratio 1:1. ▶ Max. revolution: 6000rpm. ▶ Max. torque: 15N-m.
- ▶ Suggested $A_p \leq 2\text{mm}$. ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. water pressure: 7kgf/cm^2 (100PSI). ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional
Fixed Block



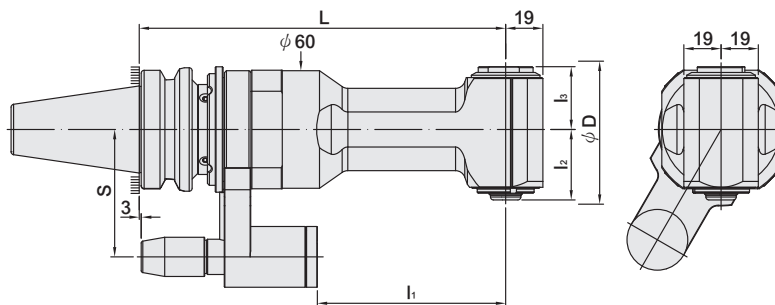
P.5-35~36

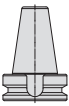



SAD ANGLE HEAD HOLDER

SLIM TYPE

SAD 小徑銑削頭



SHANK	MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	φD	S	TORQUE	COLLET	SIZE RANGE	WEIGHT (KGS)
 DaulDRIVE+	25.791.08B.130	SBT30 x SAD8B - 130	130	74.6	36	32.5	76	55	10N-m	EBL8	3~8	2.60
	25.791.08B.182	SBT30 x SAD8B - 182	182	96.1	36	32.5	76	55	10N-m	EBL8	3~8	3.00
	26.791.08B.135	SBT40 x SAD8B - 135	135	74.6	36	32.5	76	65	10N-m	EBL8	3~8	3.40
	26.791.08B.187	SBT40 x SAD8B - 187	187	96.1	36	32.5	76	65	10N-m	EBL8	3~8	3.70
	25.791.10S.130	SBT30 x SAD10S - 130	130	74.6	34	54.5	115	55	10N-m	SKS10	3~10	2.66
	25.791.10S.182	SBT30 x SAD10S - 182	182	96.1	34	54.5	115	55	10N-m	SKS10	3~10	3.10
	26.791.10S.135	SBT40 x SAD10S - 135	135	74.6	34	54.5	115	65	10N-m	SKS10	3~10	3.50
	26.791.10S.187	SBT40 x SAD10S - 187	187	96.1	34	54.5	115	65	10N-m	SKS10	3~10	3.75
 DIN 69893 A	73.791.08B.195	HSK63A x SAD8B - 195	195	74.6	36	32.5	76	65	10N-m	EBL8	3~8	3.50
	73.791.10S.195	HSK63A x SAD10S - 195	195	96.1	34	54.5	115	65	10N-m	SKS10	3~10	3.80

Product information:

- ▶ Max. revolution: 6000rpm.
- ▶ Max. torque: 10N-m.
- ▶ Suggested $A_p \leq 1.5\text{mm}$.
- ▶ Slim design, for deep hole machining.
- ▶ For drilling, tapping & light milling.
- ▶ For tapping centers.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.



Reminder:

- ▶ Fix blocks are necessary for installing angle head on the machine [P.5-35~36].
- ▶ Fix blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

Optional Fixed Block



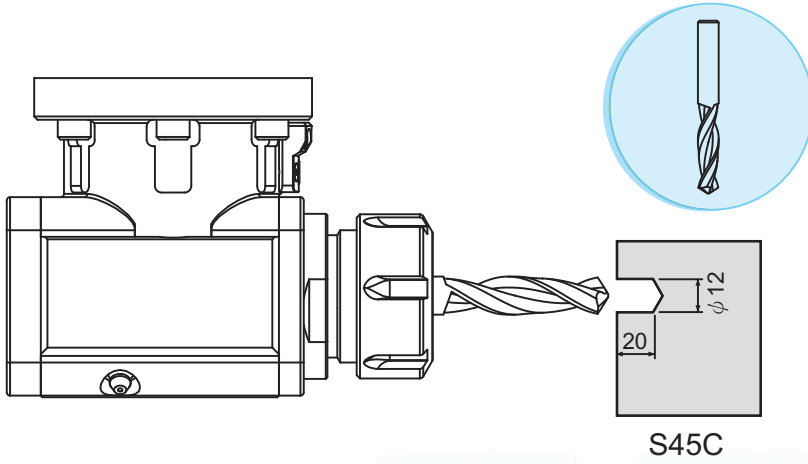
P.5-35~36



CUTTING CONDITIONS

切削數據

Drilling



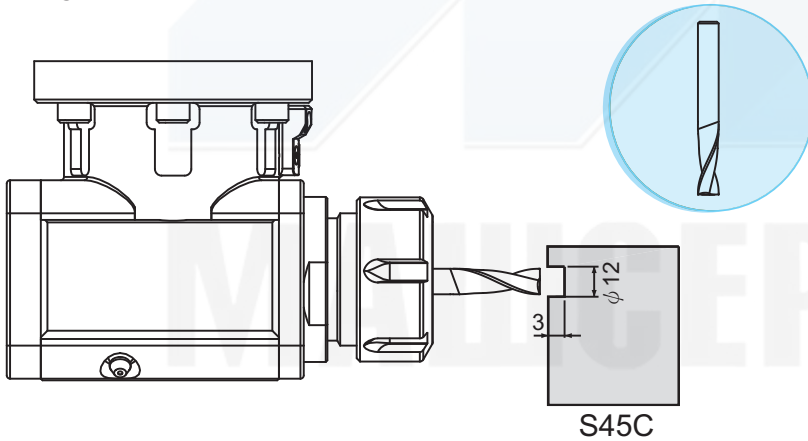
SAC

N: 1100 min⁻¹
 F: 120 mm/min
 V: 35.5 m/min
 Max. Torque: 25 N-m

SAM

N: 670 min⁻¹
 F: 80 mm/min
 V: 25.5 m/min
 Max. Torque: 20 N-m

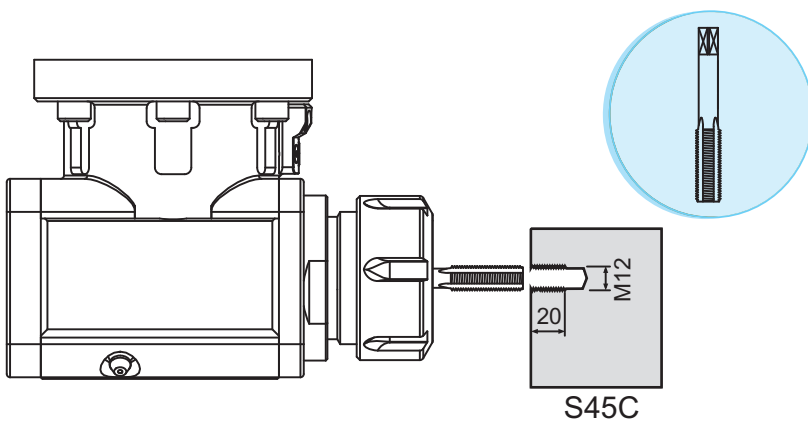
Milling



SAC

N: 500 min⁻¹
 F: 150 mm/min
 V: 18.8 m/min
 Max. Torque: 20 N-m

Tapping



SAC

N: 200 min⁻¹
 F: 350 mm/min
 V: 7.53 m/min
 Max. Torque: 25 N-m

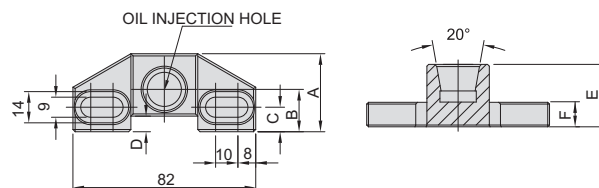
SAM

N: 200 min⁻¹
 F: 350 mm/min
 V: 7.53 m/min
 Max. Torque: 20 N-m

FIXED BLOCK

ONE PIECE TYPE

定位塊



MODEL NO.	TYPE	NAME	A	B	C	D	E	F	WEIGHT (KGS)
350.673.40	SFT - 40	#40 FIXED BLOCK (Taper Type)	40	18.5	10	5	30	13	0.30
350.673.50	SFT - 50	#50 FIXED BLOCK (Taper Type)	34	19	11	7	35	15	0.32



Features:

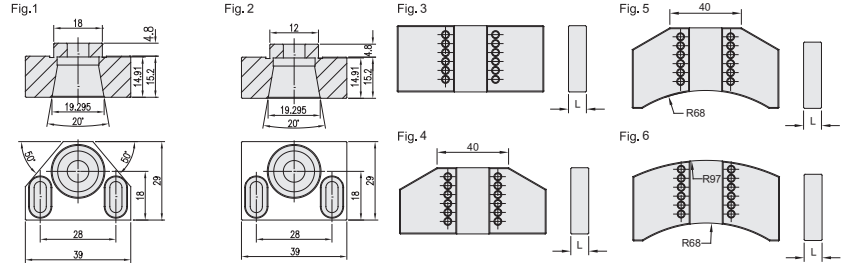
- ▶ Fixed block must be purchased according to the type of fixed pin.
- ▶ Fixed block can be installed on the spindle but must be fixed on the machine well. Otherwise, it is a threat for ATC tool change arm. Installation way changes with different machines. Please confirm with your machine supplier about correct installation way.



FIXED BLOCK

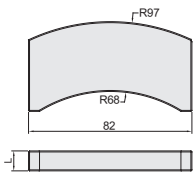
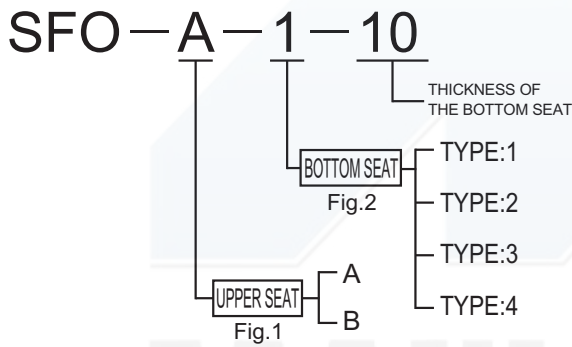
COMBINATION TYPE

組合式定位塊



T W PAT NO. M417219
CN PAT NO. ZL201120289100.2

	TYPE	UPPER SEAT		BOTTOM SEAT		
		TYPE	Fig.	TYPE	Fig.	L
	SFO-A-1-10	SFO-A	1	SFO-1-10	3	10
	SFO-A-1-15	SFO-A	1	SFO-1-15	3	15
	SFO-A-2-10	SFO-A	1	SFO-2-10	4	10
	SFO-A-2-15	SFO-A	1	SFO-2-15	4	15
	SFO-A-3-10	SFO-A	1	SFO-3-10	5	10
	SFO-A-3-15	SFO-A	1	SFO-3-15	5	15
	SFO-A-4-10	SFO-A	1	SFO-4-10	6	10
	SFO-A-4-15	SFO-A	1	SFO-4-15	6	15
	SFO-B-1-10	SFO-B	2	SFO-1-10	3	10
	SFO-B-1-15	SFO-B	2	SFO-1-15	3	15
	SFO-B-2-10	SFO-B	2	SFO-2-10	4	10
	SFO-B-2-15	SFO-B	2	SFO-2-15	4	15
	SFO-B-3-10	SFO-B	2	SFO-3-10	5	10
	SFO-B-3-15	SFO-B	2	SFO-3-15	5	15
	SFO-B-4-10	SFO-B	2	SFO-4-10	6	10
	SFO-B-4-15	SFO-B	2	SFO-4-15	6	15



TYPE	L	TYPE	L
SFD-4-5	5	SFD-4-20	20
SFD-4-10	10	SFD-4-25	25
SFD-4-15	15		

Product information:

► If the height of the fixed block needs to be added, adjustable pads need to be purchased additionally.

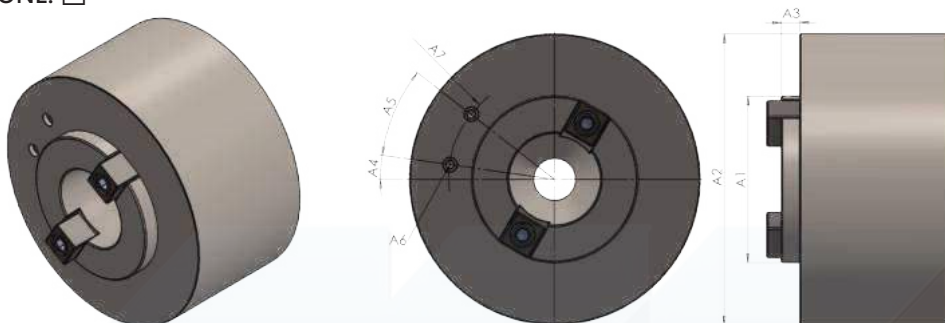


REFERENCE DRAWING OF SPINDLE FIXED BLOCK

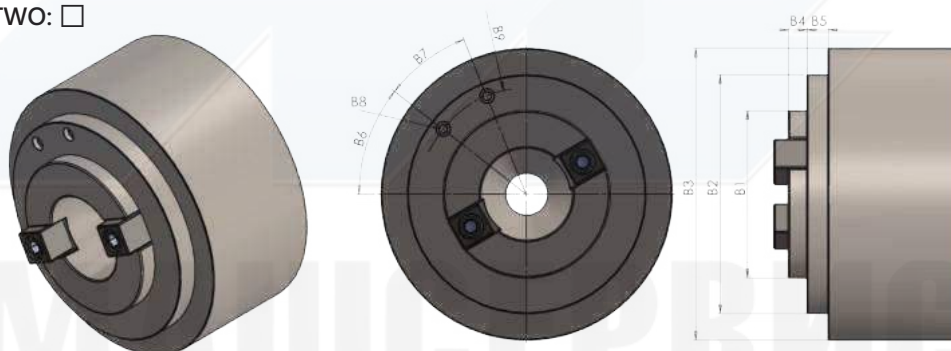
主軸定位塊參考圖

- ▶ When ordering custom-made products, please notice the distance variation between the spindle center and fixed block center hole, as well as indicate the size and position of fixed screw hole on your machine spindle flange.
- ▶ Before placing purchase order, please offer the related dimensions in detail by filling out the form and you could contact us via e-mail, telephone or fax.

TYPE ONE:



TYPE TWO:



UNIT: mm

TYPE ONE: <input type="checkbox"/>				TYPE TWO: <input type="checkbox"/>			
The brand of machine				The brand of machine			
The model of machine				The model of machine			
A1		A5		B1		B6	
A2		A6		B2		B7	
A3		A7		B3		B8	
A4		S		B4		B9	
				B5		S	



Reminder:

▶ "S" is the distance between the center of the pin to center of the spindle.



STRAIGHT SHANK TOOL HOLDER CATEGORY

NC / ER COLLET CHUCK	T-2
STRAIGHT SHANK ER COLLET CHUCK	T-3~6
ER COLLET CHUCK SYSTEM [FOR AUTOMATIC LATHE]	T-7~8
ER TAPPER [FOR CNC LATHE]	T-9
STRAIGHT SHANK SBL COLLET CHUCK	T-10
STRAIGHT SHANK EBL COLLET CHUCK	T-11
STRAIGHT SHANK SIDE LOCK HOLDER	T-12

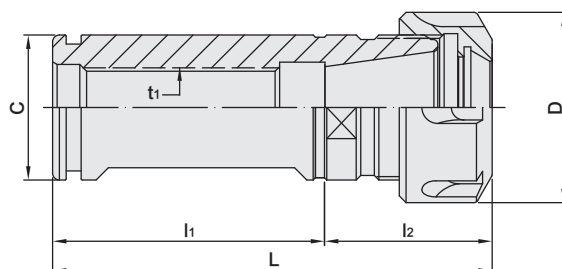
NC / ER COLLET CHUCK



NC / ER 夾頭柄



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	D	C	t ₁	WEIGHT (KGS)
04762	C32 x NC/ER25 - 60	97	60	37	42	32	M18 x 1.5P	0.70
04764	C32 x NC/ER32 - 60	103	60	43	50	32	M22 x 1.5P	0.75
04766	C40 x NC/ER32 - 80	118	80	38	50	40	M22 x 1.5P	1.25
04768	C40 x NC/ER40 - 75	135	75	60	63	40	M28 x 1.5P	1.30
04770	C45 x NC/ER32 - 120	178	120	58	50	45	M22 x 1.5P	1.60
04772	C45 x NC/ER40 - 120	180	120	60	63	45	M28 x 1.5P	1.65
04782	C1-1/4" x NC/ER25 - 60	97	60	37	42	31.75	M18 x 1.5P	0.70
04784	C1-1/4" x NC/ER32 - 60	103	60	43	50	31.75	M22 x 1.5P	0.75
04786	C1-1/4" x NC/ER40 - 60	120	60	60	63	31.75	M22 x 1.5P	0.84
04788	C1-1/2" x NC/ER32 - 80	118	80	38	50	38.1	M22 x 1.5P	1.25
04790	C1-1/2" x NC/ER40 - 75	135	75	60	63	38.1	M28 x 1.5P	1.30

МАШСЕРВИС

Features:

- ▶ This is specially suitable for CNC Machines but can also be used for general machines.
- ▶ At the end of body, there's an O-ring for sealing.

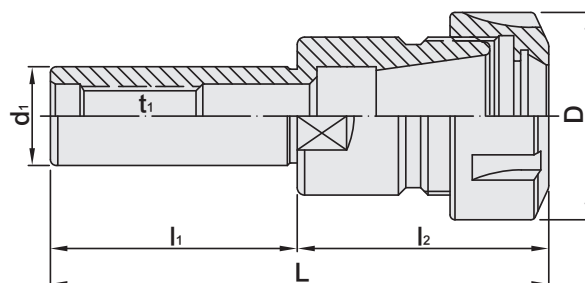
Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71

STRAIGHT SHANK ER COLLET CHUCK

直柄 ER 夾頭柄

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	t ₁	WEIGHT (KGS)
04851	C16 x ER11A - 140	156.6	140	16.6	19	16	M6 x 1.0P	0.23
04802	C16 x ER16A - 50	90	50	40	28	16	M10 x 1.5P	0.15
04803	C16 x ER16A - 100	140	100	40	28	16	M10 x 1.5P	0.20
04804	C16 x ER16A - 150	190	150	40	28	16	M10 x 1.5P	0.28
04806	C20 x ER16A - 50	90	50	40	28	20	M12 x 1.75P	0.25
04807	C20 x ER16A - 100	140	100	40	28	20	M12 x 1.75P	0.35
04808	C20 x ER16A - 150	190	150	40	28	20	M12 x 1.75P	0.40
04810	C20 x ER20A - 60	100.5	60	40.5	34	20	M12 x 1.75P	0.35
04811	C20 x ER20A - 120	160.5	120	40.5	34	20	M12 x 1.75P	0.40
04812	C20 x ER20A - 180	220.5	180	40.5	34	20	M12 x 1.75P	0.50
04814	C20 x ER25 - 50	101	50	51	42	20	M12 x 1.75P	0.35
04815	C20 x ER25 - 100	151	100	51	42	20	M12 x 1.75P	0.40
04817	C20 x ER32 - 50	101.5	50	51.5	50	20	M12 x 1.75P	0.45
04818	C20 x ER32 - 100	151.5	100	51.5	50	20	M10 x 1.5P	0.42
04819 - 150	C25 x ER16A - 150	176.6	150	26.6	28	25	M10 x 1.5P	0.55
04820	C25 x ER25 - 50	101	50	51	42	25	M16 x 2.0P	0.40
04821	C25 x ER25 - 100	151	100	51	42	25	M16 x 2.0P	0.50
04823	C25 x ER32 - 50	101.5	50	51.5	50	25	M16 x 2.0P	0.60
04823 - 100	C25 x ER32 - 100	151.5	100	51.5	50	25	M16 x 2.0P	0.80
04825	C25 x ER40 - 50	115	50	65	63	25	M16 x 2.0P	2.10
04820 - C32	C32 x ER25 - 50	101	50	50	42	32	M16 x 2.0P	1.00
04827	C32 x ER32 - 60	111.5	60	51.5	50	32	M16 x 2.0P	1.15
04827 - 100	C32 x ER32 - 100	151.5	100	51.5	50	32	M16 x 2.0P	1.40
04829	C32 x ER40 - 50	115	50	65	63	32	M16 x 2.0P	2.00

Features:

- ▶ Each body has been locked with a nut as attachment, but without a spanner and collets.
- ▶ For complete set, please refer to P.T-7.

Standard Accessory: • NUT

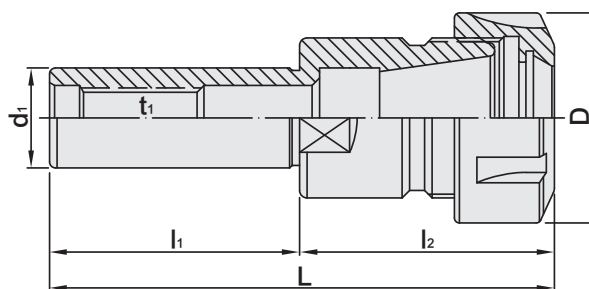
Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71



STRAIGHT SHANK ER COLLET CHUCK

直柄 ER 夾頭柄

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	t ₁	WEIGHT (KGS)
04855	C1/2" x ER11A - 140	156.6	140	16.6	19	12.7	M6 x 1.0P	0.50
04854	C5/8" x ER11A - 140	156.6	140	16.6	19	15.875	M6 x 1.0P	0.23
04832	C5/8" x ER16A - 60	95.1	60	35.1	28	15.875	M10 x 1.5P	0.12
04834	C3/4" x ER16A - 50	85.1	50	35.1	28	19.05	M10 x 1.5P	0.20
04835	C3/4" x ER16A - 100	135.1	100	35.1	28	19.05	M10 x 1.5P	0.25
04856	C3/4" x ER16A - 140	175.1	140	35.1	28	19.05	M10 x 1.5P	0.25
04836 - 2.5	C3/4" x ER20A - 63.5	104	63.5	40.5	34	19.05	M12 x 1.75P	1.00
04858	C1" x ER20A - 140	167.5	140	27.5	34	25.4	M12 x 1.75P	0.50
04837	C1" x ER25 - 50	101	50	51	42	25.4	M16 x 2.0P	0.95
04839	C1" x ER32 - 50	101.5	50	51.5	50	25.4	M16 x 2.0P	1.00
04839 - 140	C1" x ER32 - 140	191.5	140	51.5	50	25.4	M16 x 2.0P	1.50
04841	C1" x ER40 - 50	115	50	65	63	25.4	M16 x 2.0P	2.10
04843	C1-1/4" x ER32 - 60	111.5	60	51.5	50	31.75	M16 x 2.0P	1.15

МАШСЕРВИС

Features:

- ▶ Each body has been locked with a nut as attachment, but without a spanner and collets.
- ▶ For complete set, please refer to P.T-7.

Standard Accessory: • NUT

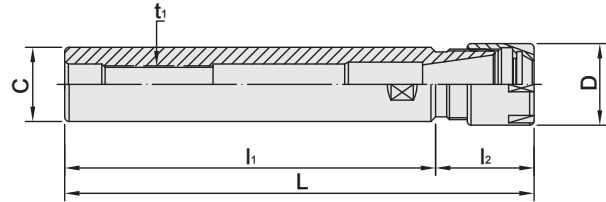
Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-48	P.W-88	P.W-68~71

STRAIGHT SHANK ER COLLET CHUCK MINI TYPE



小徑 / 直柄 ER 夾頭柄

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	D	C	t ₁	WEIGHT (KGS)
04860	C8 x ER8M - 55	78.2	55	23.2	12	8	-	0.05
04861 - 100	C10 x ER8M - 100	116.2	100	16.2	12	10	-	0.11
04861 - 150	C10 x ER8M - 150	166.2	150	16.2	12	10	-	0.12
04861	C10 x ER8M - 180	196.2	180	16.2	12	10	-	0.15
04862	C12 x ER8M - 55	71.2	55	16.2	12	12	-	0.20
04862 - 120	C12 x ER8M - 120	136.2	120	16.2	12	12	-	0.30
04863	C12 x ER11M - 80	96.6	80	16.6	16	12	M5 x 0.8P	0.23
04864	C16 x ER11M - 50	66.6	50	16.6	16	16	M5 x 0.8P	0.25
04865	C16 x ER11M - 100	116.6	100	16.6	16	16	M5 x 0.8P	0.23
04866	C16 x ER11M - 140	156.6	140	16.6	16	16	M5 x 0.8P	0.35
04867	C12 x ER16M - 80	116.6	80	36.6	22	12	M5 x 0.8P	0.38
04868 - 60	C20 x ER16M - 60	86.6	60	26.6	22	20	M10 x 1.5P	0.40
04868	C20 x ER16M - 100	126.6	100	26.6	22	20	M10 x 1.5P	0.42
04869	C20 x ER16M - 140	166.6	140	26.6	22	20	M10 x 1.5P	0.35
04870	C20 x ER16M - 160	186.6	160	26.6	22	20	M10 x 1.5P	0.38
04873	C20 x ER20M - 60	100	60	40	28	20	M12 x 1.75P	0.40
04875	C20 x ER20M - 100	140	100	40	28	20	M12 x 1.75P	0.45
04877	C20 x ER20M - 120	160	120	40	28	20	M12 x 1.75P	0.50
04879	C20 x ER20M - 150	190	150	40	28	20	M12 x 1.75P	0.55
04881	C20 x ER20M - 180	220	180	40	28	20	M12 x 1.75P	0.60
04883	C22 x ER20M - 140	180	140	40	28	22	M12 x 1.75P	0.38
04885	C25 x ER20M - 140	168	140	28	28	25	M12 x 1.75P	0.15
04887	C20 x ER25M - 100	150	100	50	35	20	M12 x 1.75P	0.20

Features:

- ▶ Each body has been locked with a nut as attachment, but without a spanner and collets.
- ▶ Not including stop screw, please purchase separately.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-88	P.W-68~71

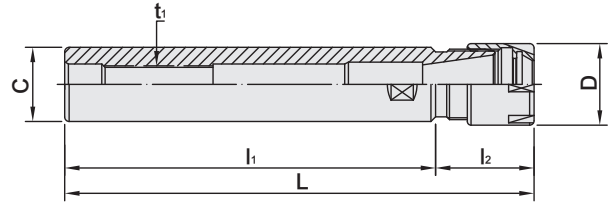


STRAIGHT SHANK ER COLLET CHUCK MINI TYPE



小徑 / 直柄 ER 夾頭柄

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	D	C	t ₁	WEIGHT (KGS)
04889	C3/8" x ER8M - 100	117	100	17	12	9.525	-	0.23
04890	C1/2" x ER8M - 78	95	78	17	12	12.7	-	0.20
04891	C1/2" x ER11M - 140	156.6	140	16.6	16	12.7	M5 x 0.8P	0.16
04893	C5/8" x ER11M - 140	156.6	140	16.6	16	15.875	M5 x 0.8P	0.20
04888	C1" x ER25M - 140	190	140	50	35	25.4	M16 x 2.0P	0.23
04895	C1/2" x ER16M - 140	177	140	37	22	12.7	M16 x 2.0P	0.50
04896	C3/4" x ER16M - 140	165	140	25	22	19.05	M10 x 1.5P	0.25
04897	C1" x ER20M - 140	168	140	28	28	25.4	M12 x 1.75P	0.50
04898	C3/4" x ER25M - 100	150	100	50	35	19.05	M12 x 1.75P	0.35

МАШСЕРВИС

Features:

- ▶ Each body has been locked with a nut as attachment, but without a spanner and collets.
- ▶ Not including stop screw, please purchase separately.

Standard Accessory: • NUT

Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-88	P.W-68~71

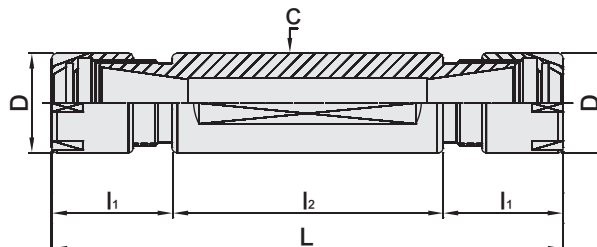
DOUBLE-ENDED STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE



直柄兩端 ER 自動車床用夾頭柄

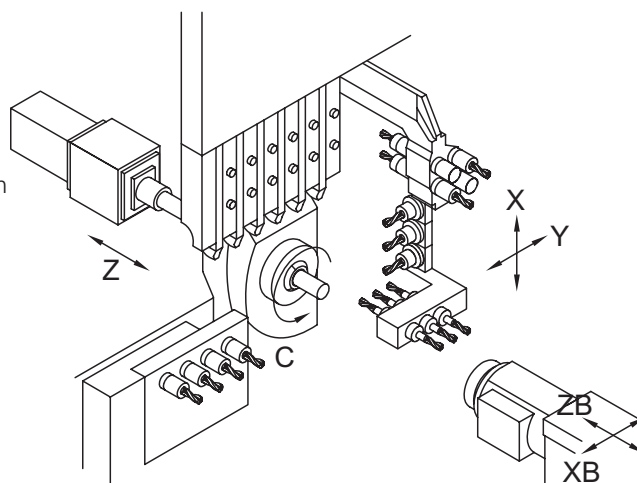


T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	C	D	WEIGHT (KGS)
05155	DE20 x ER11M - 30	63.2	16.6	30	20	16	0.09
05156	DE20 x ER11M - 50	83.2	16.6	50	20	16	0.12
05157	DE20 x ER11M - 75	108.2	16.6	75	20	16	0.12
05158	DE20 x ER16M - 50	103.2	26.6	50	20	22	0.10
05158 - 55	DE20 x ER16M - 55	108.2	26.6	55	20	22	0.12
05159	DE20 x ER16M - 75	128.2	26.6	75	20	22	0.12
05166	DE22 x ER11M - 60	93.2	16.6	60	22	16	0.12
05167	DE22 x ER11M - 100	133.2	16.6	100	22	16	0.14
05168 - 55	DE22 x ER16M - 55	108.2	26.6	55	22	22	0.17
05168	DE22 x ER16M - 60	113.2	26.6	60	22	22	0.14
05168 - 75	DE22 x ER16M - 75	128.2	26.6	75	22	22	0.21
05169	DE22 x ER16M - 100	153.2	26.6	100	22	22	0.16
05176	DE23 x ER11M - 60	93.2	16.6	60	23	16	0.16
05177	DE23 x ER11M - 100	133.2	16.6	100	23	16	0.18
05178	DE23 x ER16M - 60	113.2	26.6	60	23	22	0.20
05179	DE23 x ER16M - 100	153.2	26.6	100	23	22	0.21
05182	DE25 x ER16M - 62	115.2	26.6	62	25	22	0.23

- ▶ Hardness: body 56°-60°HRC, thread 44°-46°HRC, Two-parted rigidity design.
- ▶ The concentricity of the internal hole is 0.005mm, which extends tool life.
- ▶ The tolerance of the chuck's diameter is -0.005-0.008mm with high operation efficiency.
- ▶ The flat side of the holder is for the side lock screw to fasten.
- ▶ Compatible with three kinds of ER collets-0.015mm (Class standard), 0.01mm(Class A) and 0.005mm(Class UP), which are graded by their precision.
- ▶ TYPE C20 is suitable for the brand, TAKAMAZ CITIZEN MIYANO, conforming to SWISS MODEL.
- ▶ TYPE C22 is suitable for the brand, STAR, conforming to the SWISS MODEL.
- ▶ TYPE C23 is suitable for the brand, NOMURA, conforming to the SWISS MODEL.



Standard Accessory: • NUT

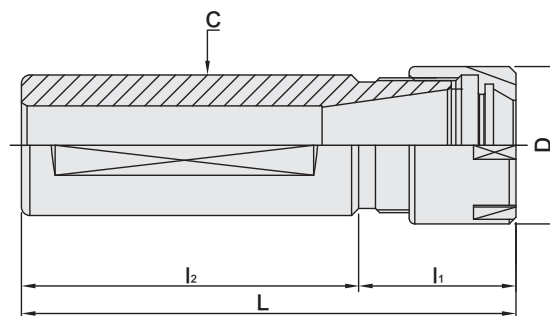
Collet	Nut	Preset Screw	Spanner
P.W-7~28	P.W-49	P.W-88	P.W-68~71



STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE



小徑 / 直柄 ER 自動車床用夾頭柄



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	l ₁	l ₂	C	D	WEIGHT (KGS)
05272	C20 x ER11M - 60	76.6	16.6	60	20	16	0.14
05274	C20 x ER16M - 60	84.6	24.6	60	20	22	0.14
05278	C22 x ER11M - 60	76.6	16.6	60	22	16	0.26
05280	C22 x ER16M - 60	84.6	24.6	60	22	22	0.28
05286	C23 x ER11M - 60	76.6	16.6	60	23	16	0.30
05288	C23 x ER16M - 60	86.6	26.6	60	23	22	0.32
05298	C25 x ER20M - 60	88	28	60	25	28	0.22

МАШСЕРВИС

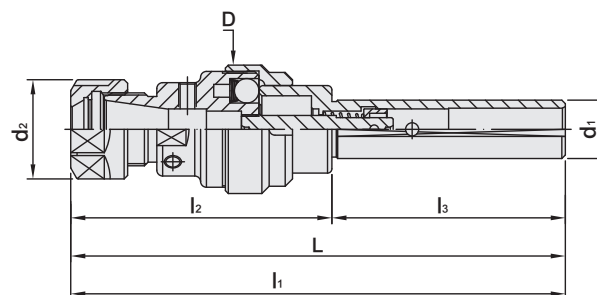
Standard Accessory: • NUT

Collet	Nut	Spanner
P.W-7~28	P.W-49	P.W-68~71

STRAIGHT SHANK ER TAPPER FOR CNC LATHE



直柄伸縮 ER 攻牙器 [CNC車床專用]



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	CAPACITY	WEIGHT (KGS)
05205	TP - 20	44	20	34	159	172	79	80	M3 ~ M16	0.50
05206	TP - 225	44	25	34	159	172	79	80	M3 ~ M16	0.70
05207	TP - 232	44	32	34	159	172	79	80	M3 ~ M16	0.90
05208	STP - 20	37	20	34	155	172	79	80	M3 ~ M16	1.00
05215	TP - 32	56	32	50	174.5	190	94.5	80	M3 ~ M27	1.60
05225	TPM - 320	44	MT3	34	165	178	79	86	M3 ~ M16	1.40
05235	TPM - 420	44	MT4	34	165	178	79	86	M3 ~ M16	1.60
05245	TPM - 432	56	MT4	50	203.5	216.5	94.5	109	M3 ~ M27	1.80

МАШСЕРВИС

Features:

- ▶ Used with ER Rigid Tap Collet or ER Collet to hold taps.
- ▶ Flexible design. Can avoid any tap breakage resulting from overdoing, spindle's counterclockwise turning and turret moving.
- ▶ Good floating assembly, can be automatic to correct deviation of repeated position in workpiece.
- ▶ 05225, 05235 and 05245 are designed to tighten the tool holder and ER taper by inside thread. There are metric type and inch type for the inside thread. Please inform us which type you need when making an order.

NOTE:

- ▶ If the processing material is harder, the M/min becomes slower relatively.
- ▶ Before using the Straight Shank ER Tapper, please decide spindle running speed of Lathe Machine; otherwise, it will make the Shank and Tap break or split because of too fast or too slow speed.

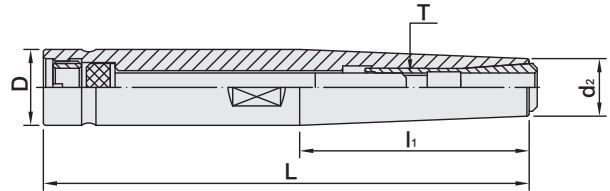
Standard Accessory: • NUT

Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-68~71



STRAIGHT SHANK SBL COLLET CHUCK

直柄 SBL 小徑延長桿



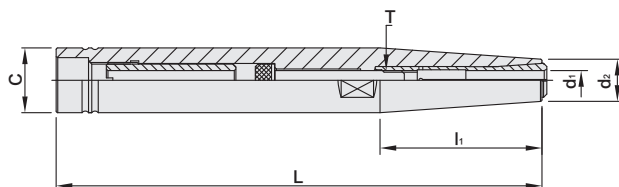
MODEL NO.	TYPE	L	l ₁	D	d ₂	T	WEIGHT (KGS)
06002	C12 x SBL6 - 120	120	-	12	12	M6 x 1.0P	0.16
06004	C12 x SBL6 - 150	150	-	12	12	M6 x 1.0P	0.18
06008	C16 x SBL6 - 120	120	48	16	12	M6 x 1.0P	0.21
06010	C16 x SBL6 - 150	150	48	16	12	M6 x 1.0P	0.22
06012	C16 x SBL6 - 200	200	48	16	12	M6 x 1.0P	0.24
06014	C20 x SBL6 - 120	120	76.5	20	12	M6 x 1.0P	0.36
06016	C20 x SBL6 - 150	150	86	20	12	M6 x 1.0P	0.23
06018	C20 x SBL6 - 200	200	76.5	20	12	M6 x 1.0P	0.25
06020	C25 x SBL6 - 120	120	60	25	14	M6 x 1.0P	0.33
06022	C25 x SBL6 - 150	150	60	25	14	M6 x 1.0P	0.34
06024	C25 x SBL6 - 200	200	60	25	14	M6 x 1.0P	0.36
06026	C25 x SBL12 - 120	120	50	25	22	M10 x 1.5P	0.34
06028	C25 x SBL12 - 150	150	50	25	22	M10 x 1.5P	0.35
06030	C25 x SBL12 - 200	200	50	25	22	M10 x 1.5P	0.37
06032	1/2" x SBL6 - 5"	127	48	12.7	12	M6 x 1.0P	0.16
06034	1/2" x SBL6 - 6"	152.4	48	12.7	12	M6 x 1.0P	0.18
06038	5/8" x SBL6 - 5"	127	48	15.875	12	M6 x 1.0P	0.21
06040	5/8" x SBL6 - 6"	152.4	48	15.875	12	M6 x 1.0P	0.22
06042	5/8" x SBL6 - 8"	203.2	48	15.875	12	M6 x 1.0P	0.24
06044	3/4" x SBL6 - 5"	127	76.5	19.05	12	M6 x 1.0P	0.22
06046	3/4" x SBL6 - 6"	152.4	86	19.05	12	M6 x 1.0P	0.23
06048	3/4" x SBL6 - 8"	203.2	76.5	19.05	12	M6 x 1.0P	0.25
06050	1" x SBL6 - 5"	127	60	25.4	14	M6 x 1.0P	0.33
06052	1" x SBL6 - 6"	152.4	60	25.4	14	M6 x 1.0P	0.34
06054	1" x SBL6 - 8"	203.2	60	25.4	14	M6 x 1.0P	0.36
06058	1" x SBL12 - 5"	127	56	25.4	22	M10 x 1.5P	0.34
06060	1" x SBL12 - 6"	152.4	56	25.4	22	M10 x 1.5P	0.35
06062	1" x SBL12 - 8"	203.2	56	25.4	22	M10 x 1.5P	0.37

Standard Accessory: • SPANNER

Collet	Spanner
	
P.W-33~34	P.W-72

STRAIGHT SHANK EBL COLLET CHUCK

直柄 EBL 小徑延長桿



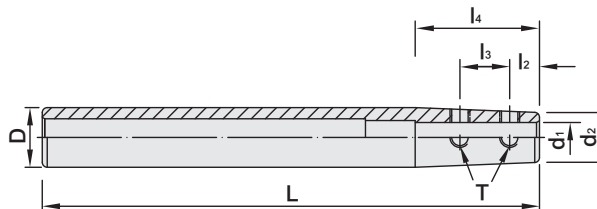
MODEL NO.	TYPE	L	l ₁	d ₂	T	C	d ₁	WEIGHT (KGS)
277.C12.06.120	C12 x EBL6 - 120	120	-	12	M6	12	3 ~ 6	0.12
277.C12.06.150	C12 x EBL6 - 150	150	-	12	M6	12	3 ~ 6	0.15
277.C16.06.120	C16 x EBL6 - 120	120	50	13	M6	16	3 ~ 6	0.13
277.C16.06.150	C16 x EBL6 - 150	150	50	13	M6	16	3 ~ 6	0.17
277.C16.06.200	C16 x EBL6 - 200	200	100	13	M6	16	3 ~ 6	0.24
277.C20.06.120	C20 x EBL6 - 120	120	50	13	M6	20	3 ~ 6	0.21
277.C20.06.150	C20 x EBL6 - 150	150	50	13	M6	20	3 ~ 6	0.28
277.C20.06.200	C20 x EBL6 - 200	200	100	13	M6	20	3 ~ 6	0.38
277.C20.08.120	C20 x EBL8 - 120	120	-	20	M8	20	3 ~ 8	0.18
277.C20.08.150	C20 x EBL8 - 150	150	-	20	M8	20	3 ~ 8	0.25
277.C20.08.200	C20 x EBL8 - 200	200	-	20	M8	20	3 ~ 8	0.35
277.C25.06.120	C25 x EBL6 - 120	120	50	13	M6	25	3 ~ 6	0.33
277.C25.06.150	C25 x EBL6 - 150	150	50	13	M6	25	3 ~ 6	0.44
277.C25.06.200	C25 x EBL6 - 200	200	100	13	M6	25	3 ~ 6	0.62
277.C25.08.120	C25 x EBL8 - 120	120	50	19	M8	25	3 ~ 8	0.32
277.C25.08.150	C25 x EBL8 - 150	150	50	19	M8	25	3 ~ 8	0.42
277.C25.08.200	C25 x EBL8 - 200	200	100	19	M8	25	3 ~ 8	0.59

INCHES

277.C58.06.500	C1/2" x EBL6-5"	5.000	-	0.500	M6	0.500	1/8" ~ 1/4"	0.14
277.C58.06.600	C1/2" x EBL6-6"	6.000	-	0.500	M6	0.500	1/8" ~ 1/4"	0.16
277.C61.06.500	C5/8" x EBL6-5"	5.000	1.969	0.512	M6	0.625	1/8" ~ 1/4"	0.13
277.C61.06.600	C5/8" x EBL6-6"	6.000	1.969	0.512	M6	0.625	1/8" ~ 1/4"	0.17
277.C61.06.800	C5/8" x EBL6-8"	8.000	3.937	0.512	M6	0.625	1/8" ~ 1/4"	0.24
277.C64.06.500	C3/4" x EBL6-5"	5.000	1.969	0.512	M6	0.750	1/8" ~ 1/4"	0.19
277.C64.06.600	C3/4" x EBL6-6"	6.000	1.969	0.512	M6	0.750	1/8" ~ 1/4"	0.25
277.C64.06.800	C3/4" x EBL6-8"	8.000	3.937	0.512	M6	0.750	1/8" ~ 1/4"	0.35
277.C64.08.500	C3/4" x EBL8-5"	5.000	1.969	0.750	M8	0.750	1/8" ~ 5/16"	0.13
277.C64.08.600	C3/4" x EBL8-6"	6.000	1.969	0.750	M8	0.750	1/8" ~ 5/16"	0.17
277.C64.08.800	C3/4" x EBL8-8"	8.000	3.937	0.750	M8	0.750	1/8" ~ 5/16"	0.24
277.C68.06.500	C1" x EBL6-5"	5.000	1.969	0.512	M6	1.000	1/8" ~ 1/4"	0.19
277.C68.06.600	C1" x EBL6-6"	6.000	1.969	0.512	M6	1.000	1/8" ~ 1/4"	0.25
277.C68.06.800	C1" x EBL6-8"	8.000	3.937	0.512	M6	1.000	1/8" ~ 1/4"	0.35
277.C68.08.500	C1" x EBL8-5"	5.000	1.969	0.748	M8	1.000	1/8" ~ 5/16"	0.16
277.C68.08.600	C1" x EBL8-6"	6.000	1.969	0.748	M8	1.000	1/8" ~ 5/16"	0.22
277.C68.08.800	C1" x EBL8-8"	8.000	3.937	0.748	M8	1.000	1/8" ~ 5/16"	0.31

STRAIGHT SHANK SIDE LOCK HOLDER

C / SL 直柄側固式延長小徑刀柄



MODEL NO.	TYPE	L	l ₂	l ₃	l ₄	D	d ₁	d ₂	T	WEIGHT (KGS)
07104	C8 x SL4 - 110	110	6	10	25	8	4	8	M3 x 0.5P	0.10
07112	C10 x SL3 - 150	150	6	10	25	10	3	9	M3 x 0.5P	0.10
07114	C10 x SL4 - 150	150	6	10	25	10	4	9	M4 x 0.7P	0.10
07116	C10 x SL6 - 150	150	6	10	25	10	6	-	M4 x 0.7P	0.10
07118	C12 x SL4 - 150	150	6	10	25	12	4	9	M4 x 0.7P	0.12
07120	C12 x SL6 - 100	100	6	10	25	12	6	10	M4 x 0.7P	0.10
07122	C12 x SL6 - 150	150	6	10	25	12	6	10	M4 x 0.7P	0.12
07124	C16 x SL4 - 150	150	6	10	25	16	4	10	M4 x 0.7P	0.15
07126	C16 x SL4 - 200	200	6	10	25	16	4	10	M4 x 0.7P	0.18
07128	C16 x SL6 - 150	150	6	10	25	16	6	13	M4 x 0.7P	0.15
07130	C16 x SL6 - 200	200	6	10	25	16	6	13	M4 x 0.7P	0.18
07132	C16 x SL8 - 150	150	6	10	25	16	8	15	M4 x 0.7P	0.15
07134	C16 x SL8 - 200	200	6	10	25	16	8	15	M4 x 0.7P	0.18
07138	C20 x SL6 - 150	150	6	10	25	20	6	13	M4 x 0.7P	0.18
07140	C20 x SL8 - 150	150	6	10	25	20	8	15	M6 x 1.0P	0.18
07142	C20 x SL8 - 200	200	6	10	25	20	8	15	M6 x 1.0P	0.18
07144	C20 x SL10 - 150	150	6	10	25	20	10	17	M6 x 1.0P	0.18
07146	C20 x SL10 - 200	200	6	10	25	20	10	17	M6 x 1.0P	0.20
07148	C20 x SL12 - 150	150	6	10	25	20	12	19	M6 x 1.0P	0.18
07150	C20 x SL12 - 200	200	6	10	25	20	12	19	M6 x 1.0P	0.20
07152	C32 x SL6 - 150	150	6	10	25	32	6	13	M6 x 1.0P	0.21
07154	C32 x SL8 - 150	150	6	10	25	32	8	15	M6 x 1.0P	0.21
07156	C32 x SL10 - 150	150	6	10	25	32	10	17	M6 x 1.0P	0.22
07158	C32 x SL12 - 150	150	6	10	25	32	12	19	M6 x 1.0P	0.22

Features:

- ▶ d₁ is H5.

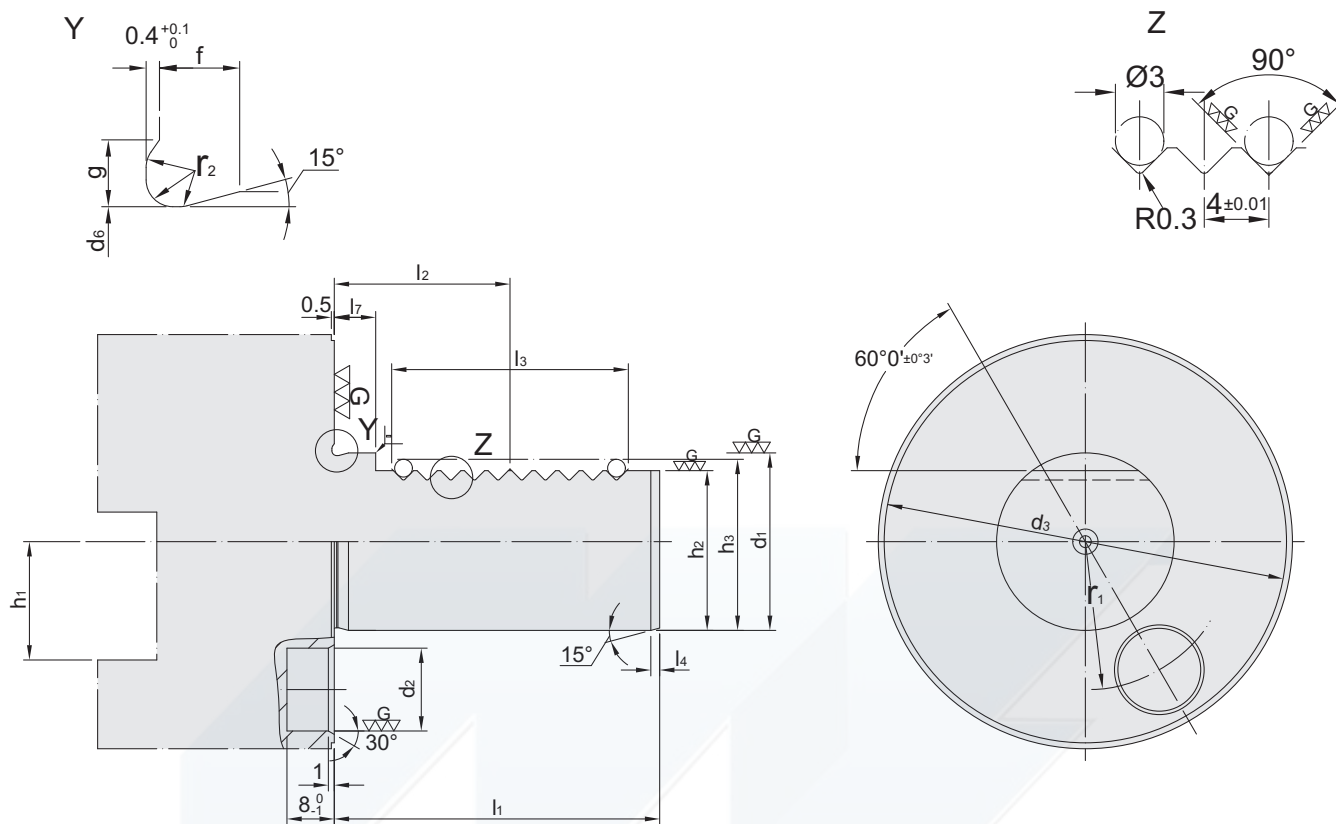


VDI CATEGORY

BLANK	V-4
EXTERNAL TURNING TOOL HOLDER SYSTEM	V-5~6
FACE TURNING TOOL HOLDER SYSTEM	V-7~8
SIDE LOCK HOLDER	V-9
BORING BAR HOLDER	V-10
EOC COLLET CHUCK HOLDER	V-11
ER COLLET CHUCK HOLDER	V-11
DRILL CHUCK	V-12

REFERENCE DETAILS

DIN ISO 10889



$\nabla \nabla \nabla = Rz 2.5$

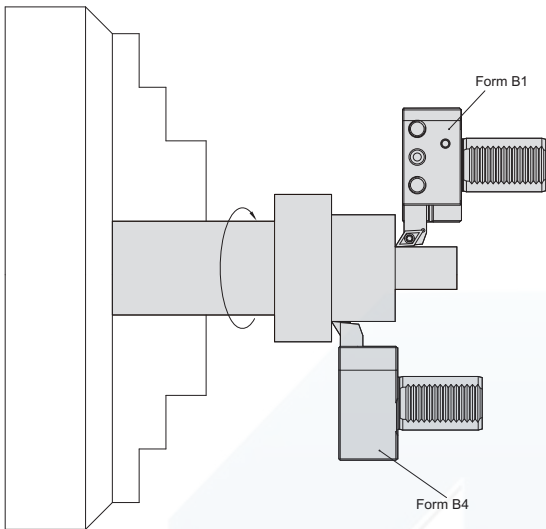
d_1	l_1	d_2	d_3	d_6	f	g	h_1	h_2	l_2	l_3	l_4	l_7	r_1	r_2	O-Ring	
h_1	± 0.3			$0^{+0.1}_-0.1$			max	± 0.1	± 0.05	min	-1 0		± 0.02			
16	32	8	H6	40	15.4	2	1.7	12	15	12.7	16	2	3.5	14.5	0.6	15 x 15
20	40	10	H6	50	19.1	2.4	2	16	18	21.7	24	2	7	18	0.8	18.77 x 1.78
25	48	10	H6	58	24.1	2.4	2	16	23.5	21.7	24	2	7	21	0.8	23.52 x 1.78
30	55	14	H8	68	29.1	2.4	2	20	27	29.7	40	2	7	25	0.8	28.3 x 1.78
40	63	14	H8	83	38.7	3.7	2.8	25	36	29.7	40	3	7	32	1.2	37.77 x 2.62
50	78	16	H8	98	48.7	3.7	2.8	32	45	35.7	48	3	8	37	1.2	47.29 x 2.62
60	94	16	H8	123	58.7	4.3	3.7	32	55	43.7	56	4	10	48	1.6	56.74 x 3.53
80	124	20	H8	158	78.7	4.3	3.7	40	72	59.7	80	4	10	65	1.6	75.79 x 3.53

- ▶ DIN ISO 10889 Tool Holders have features as the following:
Advanced structure, high manufacturing precision, easy operation and strong exchangeability function, etc.
- ▶ DIN ISO 10889 Tool Holders have such tapers as VDI16, VDI20, VDI30, VDI40, VDI50, VDI60, VDI80, etc. It's available for customers to choose suitable types according to their requests, such as turning tool holder, boring bar holder, high speed drill tool holder, drill chuck tool holder, cutting tool holder, etc.

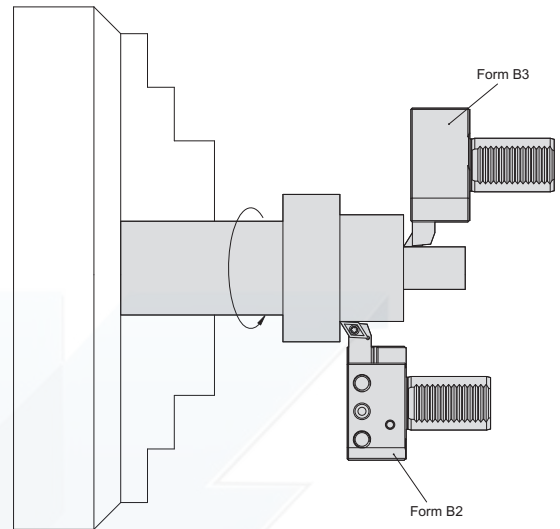
SPINDLE ROTATES PATTERN

DIN ISO 10889

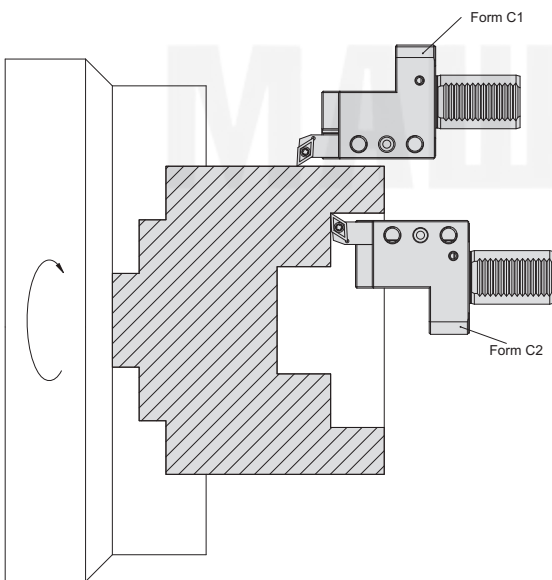
Spindle rotates counterclockwise:



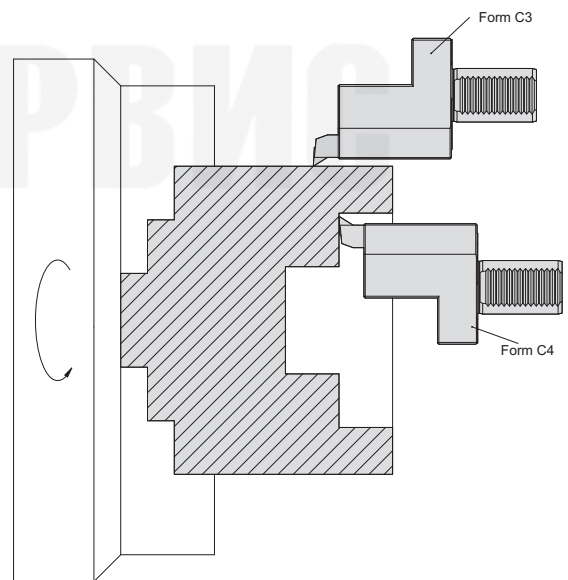
Spindle rotates clockwise:



Spindle rotates counterclockwise:



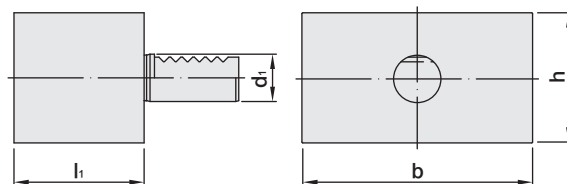
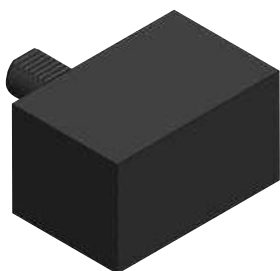
Spindle rotates clockwise:



VDI BLANK

VDI 素材

[A1/DIN ISO 10889-2]

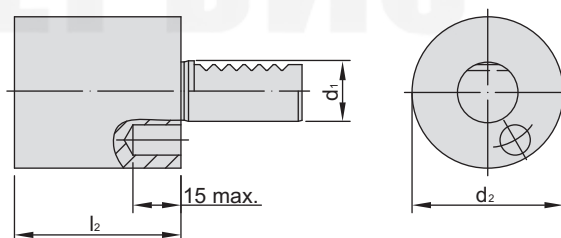


MODEL NO.	TYPE $d_1 \times l_1$	d_1	l_1	b	h
150.A1.30.85	30 x 85	30	85	130	76
150.A1.40.100	40 x 100	40	100	151	96
150.A1.50.125	50 x 125	50	125	160	120

VDI BLANK

VDI 素材

[A2/DIN ISO 10889-2]

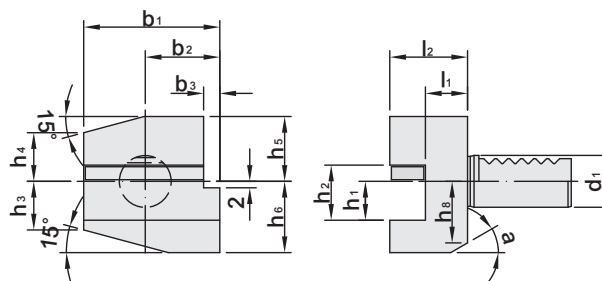


MODEL NO.	TYPE $d_1 \times l_2$	d_1	d_2	l_2
150.A2.30.100	30 x 100	30	68	100
150.A2.30.160	30 x 160	30	68	160
150.A2.30.240	30 x 240	30	68	240
150.A2.40.120	40 x 120	40	83	120
150.A2.40.160	40 x 160	40	83	160
150.A2.40.200	40 x 200	40	83	200
150.A2.40.320	40 x 320	40	83	320
150.A2.50.400	50 x 400	50	50	400

EXTERNAL TURNING TOOL HOLDER

外徑刀座

(B1/DIN ISO 10889-3)



MODEL NO.	TYPE $d_1 \times h_1 \times l_2$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_5	h_6	h_8	l_1	l_2	a
150.B1.30.20.40	30 x 20 x 40	30	70	35	10	20	29	26	22	28	38	30	22	40	25°
150.B1.30.20.60	30 x 20 x 60	30	70	35	10	20	29	26	22	28	38	30	42	60	25°
150.B1.40.25.44	40 x 25 x 44	40	85	42.5	12.5	25	34	35	30	32.5	48	-	22	44	-
150.B1.50.32.55	50 x 32 x 55	50	100	50	16	32	41	42	35	35	60	-	30	55	-

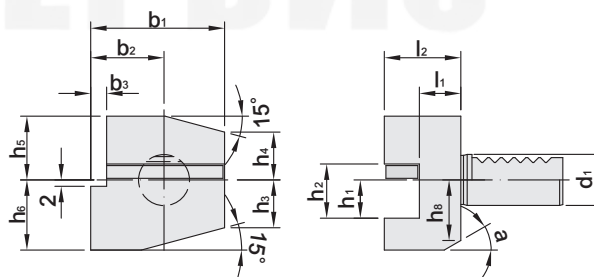
Features:

- ▶ Radial-right handed.
- ▶ Short tool holder.
- ▶ With coolant hole.

EXTERNAL TURNING TOOL HOLDER

外徑刀座

(B2/DIN ISO 10889-3)



MODEL NO.	TYPE $d_1 \times h_1 \times l_2$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_5	h_6	h_8	l_1	l_2	a
150.B2.30.20.40	30 x 20 x 40	30	70	35	10	20	29	26	22	28	38	30	22	40	25°
150.B2.30.20.60	30 x 20 x 60	30	70	35	10	20	29	26	22	28	38	30	42	60	25°
150.B2.40.25.44	40 x 25 x 44	40	85	42.5	12.5	25	34	35	30	32.5	48	-	22	44	-
150.B2.50.32.55	50 x 32 x 55	50	100	50	16	32	41	42	35	35	60	-	30	55	-

Features:

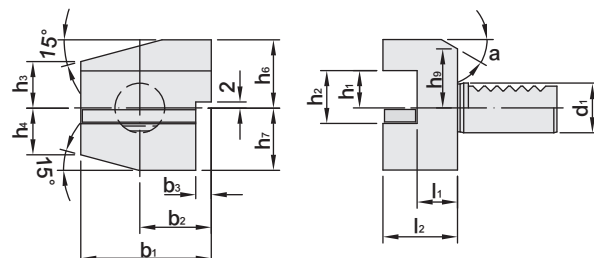
- ▶ Radial-left handed.
- ▶ Short tool holder.
- ▶ With coolant hole.



EXTERNAL TURNING TOOL HOLDER

外徑刀座

〔B3/DIN ISO 10889-3〕



MODEL NO.	TYPE $d_1 \times h_1 \times l_2$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_6	h_7	h_9	l_1	l_2	a
150.B3.30.20.40	30 x 20 x 40	30	70	35	10	20	29	26	22	38	35	28	22	40	25°
150.B3.30.20.60	30 x 20 x 60	30	70	35	10	20	29	26	22	38	35	28	42	60	25°
150.B3.40.25.44	40 x 25 x 44	40	85	42.5	12.5	25	34	35	30	48	42.5	-	22	44	-
150.B3.50.32.55	50 x 32 x 55	50	100	50	16	32	41	42	35	60	50	-	30	55	-

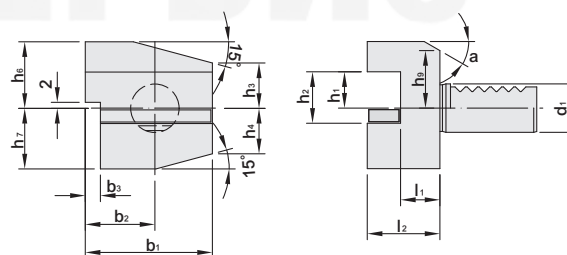
Features:

- ▶ Radial-right handed.
- ▶ Short tool holder.
- ▶ Turning insert downwards.
- ▶ With coolant hole.

EXTERNAL TURNING TOOL HOLDER

外徑刀座

〔B4/DIN ISO 10889-3〕

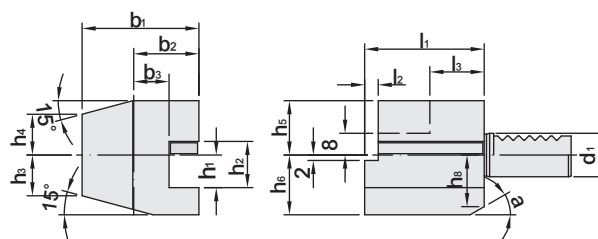


MODEL NO.	TYPE $d_1 \times h_1 \times l_2$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_6	h_7	h_9	l_1	l_2	a
150.B4.30.20.40	30 x 20 x 40	30	70	35	10	20	29	26	22	38	35	28	22	40	25°
150.B4.30.20.60	30 x 20 x 60	30	70	35	10	20	29	26	22	38	35	28	42	60	25°
150.B4.40.25.44	40 x 25 x 44	40	85	42.5	12.5	25	34	35	30	48	42.5	-	22	44	-
150.B4.50.32.55	50 x 32 x 55	50	100	50	16	32	41	42	35	60	50	-	30	55	-

FACE TURNING TOOL HOLDER

端面刀座

[C1/DIN ISO 10889-4]

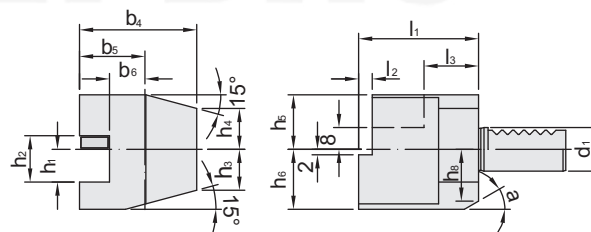


MODEL NO.	TYPE $d_1 \times h_1$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_5	h_6	h_8	l_1	l_2	l_3	a
150.C1.30.20	30 x 20	30	70	35	17	20	29	26	22	28	38	30	70	10	30	25°
150.C1.40.25	40 x 25	40	85	42.5	21	25	34	35	30	32.5	48	-	85	12.5	30	-
150.C1.50.32	50 x 32	50	100	50	26	32	41	42	35	35	60	-	100	16	40	-

FACE TURNING TOOL HOLDER

端面刀座

[C2/DIN ISO 10889-4]

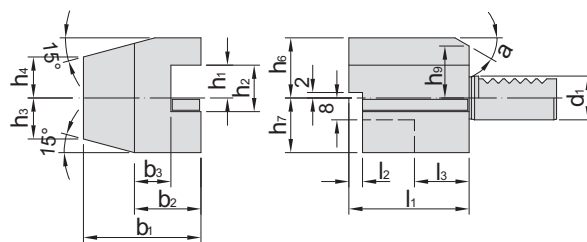


MODEL NO.	TYPE $d_1 \times h_1$	d_1	b_4	b_5	b_6	h_1	h_2	h_3	h_4	h_5	h_6	h_8	l_1	l_2	l_3	a
150.C2.30.20	30 x 20	30	76	41	23	20	29	26	22	28	38	30	70	10	30	25°
150.C2.40.25	40 x 25	40	90	47.5	25.5	25	34	35	30	32.5	48	-	85	12.5	30	-
150.C2.50.32	50 x 32	50	105	55	30.5	32	41	42	35	35	60	-	100	16	40	-

FACE TURNING TOOL HOLDER

端面刀座

[C3/DIN ISO 10889-4]

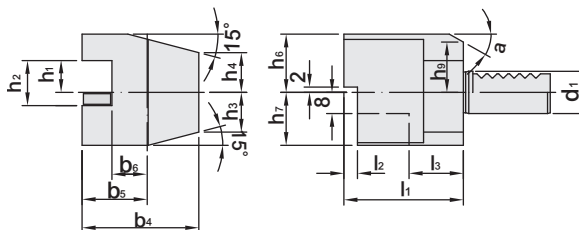


MODEL NO.	TYPE $d_1 \times h_1$	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4	h_6	h_7	h_9	l_1	l_2	l_3	a
150.C3.30.20	30 x 20	30	70	35	17	20	29	26	22	28	35	28	70	10	30	25°
150.C3.40.25	40 x 25	40	85	42.5	21	25	34	35	30	48	42.5	-	85	12.5	30	-
150.C3.50.32	50 x 32	50	100	50	26	32	41	42	35	60	50	-	100	16	40	-

FACE TURNING TOOL HOLDER

端面刀座

[C4/DIN ISO 10889-4]

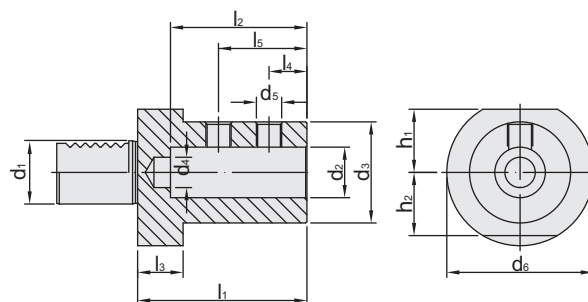


MODEL NO.	TYPE $d_1 \times h_1$	d_1	b_4	b_5	b_6	h_1	h_2	h_3	h_4	h_6	h_7	h_9	l_1	l_2	l_3	a
150.C4.30.20	30 x 20	30	76	41	23	20	29	26	22	38	35	28	70	10	30	25°
150.C4.40.25	40 x 25	40	90	47.5	25.5	25	34	35	30	48	42.5	-	85	12.5	30	-
150.C4.50.32	50 x 32	50	105	55	30.5	32	41	42	35	60	50	-	100	16	40	-

SIDE LOCK HOLDER

內孔側固式刀座 [用於快鑽]

(E1/DIN ISO 10889-6)



MODEL NO.	TYPE $d_1 \times d_2$	d_1	d_2	d_3	d_4	d_5	d_6	h_1	h_2	l_1	l_2	l_3	l_4	l_5
150.E1.30.20	30 x 20	30	20	40	12	M10x1	68	28	30	67	54	22	15	35
150.E1.30.25	30 x 25	30	25	45	17	M12x1	68	28	30	71	59	22	17	40
150.E1.30.32	30 x 32	30	32	52	24	M12x1	68	28	30	75	63	22	17	44
150.E1.30.40	30 x 40	30	40	65	24	M16x1	68	28	30	90	73	22	22	50
150.E1.40.18	40 x 18	40	18	40	12	M10x1	83	32.5	-	67	54	22	15	35
150.E1.40.20	40 x 20	40	20	40	12	M10x1	83	32.5	-	67	54	22	15	35
150.E1.40.25	40 x 25	40	25	45	17	M12x1	83	32.5	-	75	59	22	17	40
150.E1.40.32	40 x 32	40	32	52	24	M12x1	83	32.5	-	75	63	22	17	44
150.E1.40.40	40 x 40	40	40	65	32	M16x1	83	32.5	-	90	73	22	22	50
150.E1.40.50	40 x 50	40	50	83	32	M16x1	83	32.5	-	100	83	22	24	60
150.E1.50.20	50 x 20	50	20	40	12	M10x1	98	35	-	67	54	30	15	35
150.E1.50.25	50 x 25	50	25	45	17	M12x1	98	35	-	80	59	30	17	40
150.E1.50.32	50 x 32	50	32	52	24	M12x1	98	35	-	80	63	30	17	44
150.E1.50.40	50 x 40	50	40	65	32	M16x1	98	35	-	90	73	30	22	50
150.E1.50.50	50 x 50	50	50	75	42	M16x1	98	35	-	100	83	30	24	60

Features:

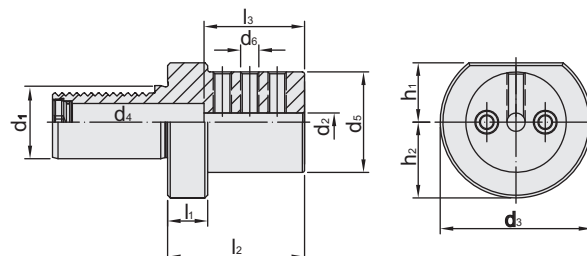
- ▶ Tolerance of internal hole: H5.
- ▶ Applicable for High Speed Drill.
- ▶ With center coolant.



BORING BAR HOLDER

内孔側固式刀座 [用於內徑車刀]

(E2/DIN ISO 10889-6)



MODEL NO.	TYPE $d_1 \times d_2$	d_1	d_2	d_3	d_4	d_5	d_6	h_1	h_2	l_1	l_2	l_3
150.E2.30.08	30 x 8	30	8	68	6	55	M6	28	30	22	60	51
150.E2.30.10	30 x 10	30	10	68	8	55	M6	28	30	22	60	51
150.E2.30.12	30 x 12	30	12	68	10	55	M8	28	30	22	60	51
150.E2.30.14	30 x 14	30	14	68	10	55	M8	28	30	22	60	52
150.E2.30.16	30 x 16	30	16	68	12	55	M8	28	30	22	60	51
150.E2.30.18	30 x 18	30	18	68	10	55	M8	28	30	22	60	52
150.E2.30.20	30 x 20	30	20	68	16.5	55	M8	28	30	22	60	51
150.E2.30.25	30 x 25	30	25	68	16	55	M8	28	30	22	60	51
150.E2.30.32	30 x 32	30	32	68	16	68	M8	28	30	22	75	61
150.E2.40.10	40 x 10	40	10	83	8	55	M10	32.5	-	22	75	61
150.E2.40.12	40 x 12	40	12	83	10	55	M10	32.5	-	22	75	61
150.E2.40.14	40 x 14	40	14	83	10	55	M8	32.5	-	22	75	61
150.E2.40.16	40 x 16	40	16	83	16.5	55	M10	32.5	-	22	75	61
150.E2.40.18	40 x 18	40	18	83	10	55	M8	32.5	-	22	75	61
150.E2.40.20	40 x 20	40	20	83	16.5	55	M10	32.5	-	22	75	61
150.E2.40.25	40 x 25	40	25	83	20.5	55	M10	32.5	-	22	75	61
150.E2.40.32	40 x 32	40	32	83	20.5	83	M10	32.5	-	22	75	61
150.E2.40.40	40 x 40	40	40	83	20.5	83	M10	32.5	-	22	90	76
150.E2.40.50	40 x 50	40	50	83	20.5	83	M12	32.5	-	22	90	76
150.E2.50.12	50 x 12	50	12	98	10	55	M8	35	-	30	75	61
150.E2.50.16	50 x 16	50	16	98	12	68	M10	35	-	30	90	76
150.E2.50.20	50 x 20	50	20	98	16	68	M12	35	-	30	90	76
150.E2.50.25	50 x 25	50	25	98	20	68	M12	35	-	30	90	76
150.E2.50.32	50 x 32	50	32	98	25	68	M12	35	-	30	90	76
150.E2.50.40	50 x 40	50	40	98	25	98	M12	35	-	30	90	76
150.E2.50.50	50 x 50	50	50	98	25	98	M12	35	-	30	100	86

Features:

- ▶ Tolerance of internal hole: H5.
- ▶ Applicable for internal boring bar.
- ▶ With center coolant and side coolant(coolant holes).

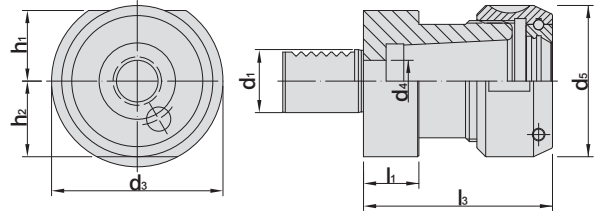


EOC COLLET CHUCK HOLDER

FOR EOC COLLETS

EOC 套筒式刀座

(E3/DIN ISO 10889-6)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	d ₁	d ₃	d ₄ min	d ₅	h ₁	h ₂	l ₁	l ₃
150.E3.30.25	30 x EOC25	30	68	16.5	60	28	30	22	75
150.E3.40.25	40 x EOC25	40	83	20.5	60	32.5	-	22	75
150.E3.40.32	40 x EOC32	40	83	20.5	72	32.5	-	22	90
150.E3.50.25	50 x EOC25	50	98	25.5	60	35	-	30	75
150.E3.50.32	50 x EOC32	50	98	25.5	72	35	-	30	90

Collet	Nut	Spanner
P.W-41	P.W-57	P.W-68~72

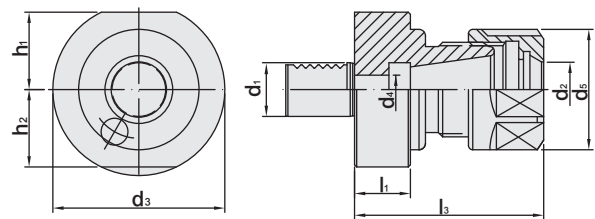
ER COLLET CHUCK HOLDER

FOR ER COLLETS

ER 套筒式刀座

(E4/DIN ISO 10889-6)

(DIN ISO 15488)



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	d ₁	d ₂ ER	d ₃	d ₄ min	d ₅	h ₁	h ₂	l ₁	l ₃
150.E4.30.25	30 x ER25	30	25	68	16.5	42	28	30	22	57
150.E4.30.32	30 x ER32	30	32	68	16.5	50	28	30	22	62
150.E4.30.40	30 x ER40	30	40	68	16.5	63	28	30	22	70
150.E4.40.25	40 x ER25	40	25	83	20.5	42	32.5	-	22	57
150.E4.40.32	40 x ER32	40	32	83	20.5	50	32.5	-	22	62
150.E4.40.40	40 x ER40	40	40	83	20.5	63	32.5	-	22	75
150.E4.50.40	50 x ER40	50	40	98	20.5	63	35	-	30	75

Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-68~71

Features:

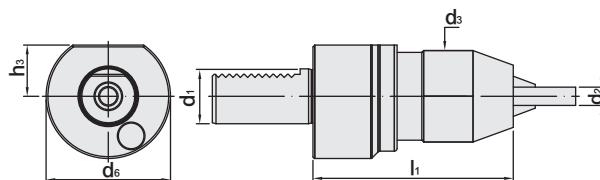
- ▶ It can match with ER Collets (DIN-15488 standard) and can clamp all kinds of straight shank tools.
- ▶ Rigidity can be raised by using ER Power Good Clamping Nut.
- ▶ Matching with Wind Resistance Nut can raise clamping power, stability and precision.



VDI DRILL CHUCK

SPU 鑽夾頭

[TYPE SPU]



MODEL NO.	TYPE	d ₁	d ₂	d ₃	d ₆	h ₃	l ₁
150.30.669.08	30 x SPU8	30	0.5 ~ 8	36	68	28	75
150.30.669.13	30 x SPU13	30	1 ~ 13	50	68	28	109
150.30.669.16	30 x SPU16	30	3 ~ 16	57	68	28	115
150.40.669.08	40 x SPU8	40	0.5 ~ 8	36	83	32.5	75
150.40.669.13	40 x SPU13	40	1 ~ 13	50	83	32.5	90
150.40.669.16	40 x SPU16	40	3 ~ 16	57	83	32.5	110
150.50.669.13	50 x SPU13	50	1 ~ 13	57	98	35	100
150.50.669.16	50 x SPU16	50	3 ~ 16	57	98	35	90

МАШСЕРВИС

ACCESSORIES

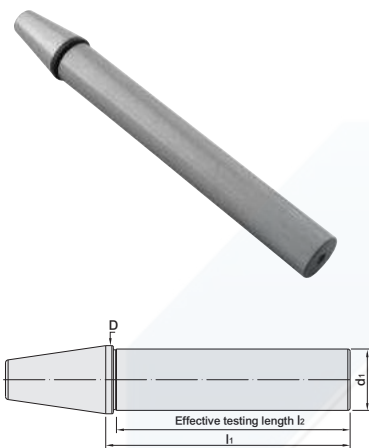
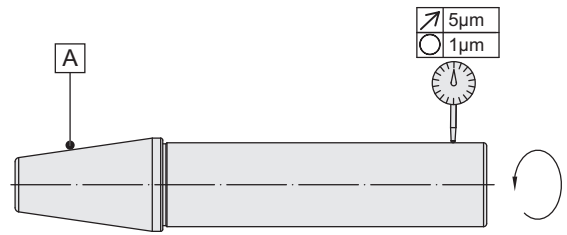
CATEGORY

SPINDLE TEST BAR	W-2~3	SR SEALED RING	W-59
ER COLLET CHUCK TEST BAR	W-3	BT PULL STUD	W-60~61
SPINDLE MASTER BAR	W-4	CAT PULL STUD	W-62
PN COLLET	W-5	DAT PULL STUD	W-63
PN-ES STEEL SEALED COLLET	W-6	ISO PULL STUD	W-64
ER COLLET	W-7~9	SQUARE SHANK ADAPTER	W-65
ER-E COLLET	W-10	COOLANT SUPPLY UNIT	W-66
ER-ES STEEL SEALED COLLET	W-11~12	PARTS FOR CSR COMBI SHELL END MILL ARBOR	W-67
ERS METALLIC SEALED COLLET	W-13~14	SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH	W-68
ERS COOLANT COLLET [FOD TYPE]	W-15~16	NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH	W-69~70
ER-EO SEALED COLLET	W-17	ER SPANNER	W-71
ER COOLANT COLLET [FID TYPE]	W-18	SPANNER	W-72
ER COOLANT COLLET [FOD TYPE]	W-19	BEARING SPANNER	W-73
ER-TC RIGID TAP COLLET	W-20~25	STRAIGHT SHANK SOM EXTENSION HOLDER	W-74
ER-TC RIGID TAP SEALED COLLET	W-26	STR SCREWED CUTTING TOOL	W-75
ER-TC RIGID TAP COOLANT COLLET / FOD	W-27	RG SCREWED CUTTING TOOL	W-76
ER FLOATING TAP COLLET	W-28	DM SCREWED CUTTING TOOL	W-77
SKX COLLET	W-29	SOM EXTENSION SPACER	W-78
SKS COLLET [UP TYPE]	W-30	MTB / ER COLLET HOLDER	W-79
SKS COLLET [E TYPE]	W-31	R8 / ER COLLET HOLDER	W-79
SKS SEALED COLLET	W-32	DRILL SLEEVE / DRILL CHUCK ARBOR	W-80
SLC COLLET / SLC SEALED COLLET	W-33~34	R8 DRILL CHUCK ARBOR / TANG	W-81
EBL COLLET / EBL SEALED COLLET	W-35~36	MORSE TAPER ADAPTER	W-82
HYC REDUCTION SLEEVE	W-37	STRAIGHT SHANK DRILL SLEEVE	W-82
HSC STRAIGHT COLLET	W-38	KEYLESS DRILL CHUCK / STRALGHT SLEEVE	W-83
STRAIGHT COLLET	W-39	OIL INJECTION ROTARY CENTER	W-84
STRAIGHT SEALED COLLET	W-40	INTERCHANGEABLE LIVE CENTER	W-85
EOC COLLET	W-41	AUTOMATIC ADJUSTABLE INSERTED CENTER	W-85
TG COLLET	W-42~43	OPTICAL EDGE FINDER	W-86
TG SEALED COLLET	W-44	E.S OPTICAL EDGE FINDER	W-86
PNER CLAMPING NUT	W-45	MECHANICAL EDGE FINDER	W-87
PNER SEALED NUT	W-45	SCREW	W-88
PNER ECCENTRIC NUT	W-46	SHELL MILL SCREW	W-89
PTER / UT CLAMPING NUT	W-47	SCREW WITH COOLANT FLUTE	W-90
ER CLAMPING NUT	W-48~49	END MILL HOLDER REPLACEMENT LOCK SCREW	W-90
ER HIGH SPEED PRECISION NUT	W-49	SCREW FOR SBL / SBLC COLLET CHUCK	W-91
HIGH SPEED POWER GOOD NUT	W-50	Z AXIAL PRESET GAUGE	W-92
ER SEALED NUT	W-51	ZDI-100 / ZSW-100 Z AXIAL PRESET GAUGE	W-93
ER NON WIND RESISTANCE NUT	W-52	FIXED BLOCK FOR OIL HOLE HOLDER	W-94
SK3 NON WIND RESISTANCE NUT	W-52	TOOL HOLDER LOCKING DEVICE	W-95~96
SKS CLAMPING NUT	W-53	ROTATION TYPE TOOL HOLDER LOCKING DEVICE	W-97~98
SKS NON WIND RESISTANCE NUT	W-53	SPINDLE TAPER WIPER	W-99
SKS SEALED NUT	W-54	ER COLLET WOODEN TRAY	W-100
SKX SEALED NUT	W-55	BOX	W-101
SKX SEALED CAP	W-56		
EOC / TG CLAMPING NUT	W-57		
MLD SEALED CAP	W-58		

SPINDLE TEST BAR

主軸檢測棒

TAPER SHANK PRECISION	AT2
ROUNDNESS	1 μ m
SURFACE ROUGHNESS	Ra < 0.4 μ m
RUNOUT	5 μ m



BT SERIES

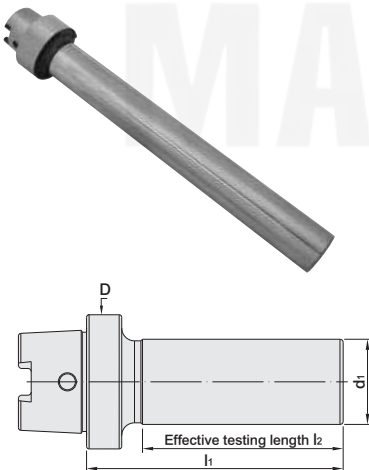
MODEL NO.	TYPE	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
86403	BT30 x 25 - 250	250	242	31.75	25	0.78
86402 - 32 - 235	BT30 x 32 - 235	235	200	31.75	32	1.46
86402 - 32	BT30 x 32 - 250	250	240	31.75	32	1.55
86402 - 32 - 300	BT30 x 32 - 300	300	295	31.75	32	1.83
86404	BT40 x 40 - 300	300	293	44.45	40	2.17
86404 - 335	BT40 x 40 - 335	335	300	44.45	40	2.38
86406	BT50 x 40 - 300	300	292	69.85	40	3.65
86407	BT50 x 63 - 335	335	300	69.85	63	8.52

CAT SERIES

86408	CAT40 x 40 - 300	300	293	44.45	40	2.19
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DAT SERIES

86414	DAT40 x 40 - 302	302	293	44.45	40	2.17
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HSK-A SERIES

MODEL NO.	TYPE	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
71.09.32.185	HSK40A x 32 - 185	185	150	40	32	1.13
72.09.40.235	HSK50A x 40 - 235	235	200	50	40	1.85
73.09.40.335	HSK63A x 40 - 335	335	300	63	40	2.78
75.09.63.335	HSK100A x 63 - 335	335	300	100	63	8.03

MTB SERIES

MODEL NO.	TYPE	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
86453	MTB4 x 25 - 306.5	306.5	300	31.267	25	1.6
86454	MTB5 x 40 - 306.5	306.5	300	44.399	40	4.1

Features: ▶ MTB taper shank precision: AT3.

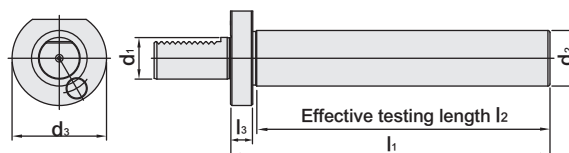


Reminder:

- ▶ Spindle Test Bar is supplied with a wooden box for vertical storage.
- ▶ It's recommended to store in stock vertically to prevent deformation.

SPINDLE TEST BAR

VDI 主軸檢測棒



VDI SERIES

MODEL NO.	TYPE	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃
150.30.40.230	30 x 40 x 230	30	40	68	230	215	15
150.40.40.200	40 x 40 x 200	40	40	83	200	185	15
150.50.40.200	50 x 40 x 200	50	40	98	200	185	15

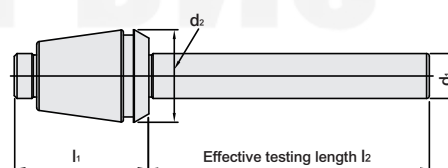


Reminder:

- ▶ Spindle Test Bar is supplied with a wooden box for vertical storage.
- ▶ It's recommended to store in stock vertically to prevent deformation.

ER COLLET CHUCK TEST BAR

ER 筒夾式刀桿檢測棒



MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
09.ER08.05.080	ER8 - φ 5 - 80	19.5	80	5	8.5	0.02
09.ER11.05.100	ER11 - φ 5 - 100	26	100	5	11.5	0.03
09.ER16.07.100	ER16 - φ 7 - 100	35.5	100	7	17	0.07
09.ER20.10.100	ER20 - φ 10 - 100	39.5	100	10	21	0.14
09.ER25.13.100	ER25 - φ 13 - 100	42	100	13	26	0.23
09.ER32.16.100	ER32 - φ 16 - 100	48	100	16	33	0.38
09.ER40.20.100	ER40 - φ 20 - 100	54	100	20	41	0.66
09.ER50.25.100	ER50 - φ 25 - 100	68	100	25	51.85	1.22

Features: ▶ For the use to measure the runout accuracy of ER collet chuck and nut.



Reminder:

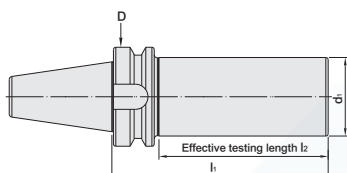
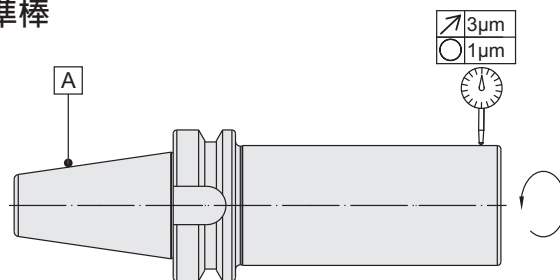
- ▶ Spindle Test Bar is supplied with a wooden box for vertical storage.
- ▶ It's recommended to store in stock vertically to prevent deformation.



SPINDLE MASTER BAR

主軸精密標準棒

TAPER SHANK PRECISION	AT2
ROUNDNESS	1 μ m
SURFACE ROUGHNESS	Ra < 0.15 μ m
RUNOUT	3 μ m
CYLINDRICAL	5 μ m



SBT SERIES

MODEL NO.	TYPE	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
25.09.25.250 - P	SBT30 x 25 - 250	250	225	46	25	0.91
25.09.32.150 - P	SBT30 x 32 - 150	150	125	46	32	1.09
25.09.32.235 - P	SBT30 x 32 - 235	235	210	46	32	1.57
26.09.50.200 - P	SBT40 x 50 - 200	200	170	63	50	2.94
26.09.50.350 - P	SBT40 x 50 - 350	350	320	63	50	4.64
27.09.50.200 - P	SBT50 x 50 - 200	200	159	100	50	5.28
27.09.50.360 - P	SBT50 x 50 - 360	360	319	100	50	7.1

SCAT SERIES

43.09.50.300 - P	SCAT40 x 50 - 300	300	277.95	44.45	50	4.03
44.09.50.300 - P	SCAT50 x 50 - 300	300	280	98.425	50	6.88

PSC SERIES

MODEL NO.	TYPE	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
140.09.20.180 - P	PSC32 x 20 - 180	180	165	32	20	0.41
141.09.32.180 - P	PSC40 x 32 - 180	180	160	40	32	1.08
142.09.32.180 - P	PSC50 x 32 - 180	180	150	63	32	1.38
142.09.32.245 - P	PSC50 x 32 - 245	245	215	63	32	1.7
142.09.40.280 - P	PSC50 x 40 - 280	280	250	63	40	2.12
143.09.40.182 - P	PSC63 x 40 - 182	182	150	75	40	1.93
143.09.40.232 - P	PSC63 x 40 - 232	232	200	75	40	4.02
143.09.40.352 - P	PSC63 x 40 - 352	352	320	75	40	2.93

HSK-A SERIES

MODEL NO.	TYPE	l ₁	l ₂	d ₁	WEIGHT (KGS)
86418 - 200 - P	HSK40A x 32 - 200	200	170	32	2.86
86418 - 300 - P	HSK40A x 32 - 300	300	270	32	1.77
86422 - P	HSK50A x 32 - 240	240	211	32	1.44
86422 - 300 - P	HSK50A x 32 - 300	300	274	32	2.83
86424 - P	HSK63A x 40 - 346	346	300	40	3.66
74.09.50.200 - P	HSK80A x 50 - 200	200	168	50	3.13
74.09.50.350 - P	HSK80A x 50 - 350	350	318	50	4.83
86428 - P	HSK100A x 40 - 349	349	300	40	7.61
86429 - P	HSK100A x 50 - 349	349	300	50	5.64

HSK-E SERIES

MODEL NO.	TYPE	l ₁	l ₂	d ₁	WEIGHT (KGS)
86430 - P	HSK25E x 25 - 175	175	163	25	0.58
98.09.20.180 - P	HSK32E x 20 - 180	180	158	20	0.41
86432 - P	HSK40E x 32 - 180	180	157	32	2.98
86433 - P	HSK50E x 32 - 180	180	151	32	3.7

HSK-F SERIES

86442 - P	HSK63F x 40 - 346	346	300	40	4.48
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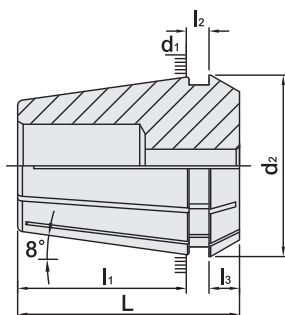


Reminder:

- ▶ Spindle Master Bar is supplied with an aluminum box for vertical storage. ▶ It's recommended to store in stock vertically to prevent deformation.
- ▶ The runout precision 5 μ m is available upon request. Please inform the sales personnel when ordering. For the precision info., please refer to page W-2.

PN COLLET

PN 筒夾



TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
PN8	8	8.48	13.5	10.2	1.8	1.5	0.01
PN11	11	11.5	18	13	2.5	2.5	0.01
PN16	16	16.8	27.5	20.8	3.4	4	0.03
PN20	20	20.8	31.5	23.9	3.4	4.8	0.04
PN25	25	25.8	34	25.9	3.6	5	0.06
PN32	32	32.7	40	30.9	4.1	5.5	0.10
PN40	40	40.85	46	34.5	4.5	7	0.25

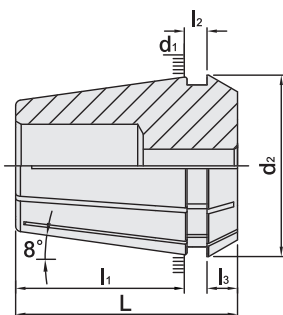
PN8		PN20		PN25		PN32		PN40	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04208 - PN - 03	3	04220 - PN - 03	3	04225 - PN - 03	3	04232 - PN - 03	3	04240 - PN - 06	6
- 04	4	- 04	4	- 04	4	- 04	4	- 07	7
- 05	5	- 05	5	- 05	5	- 05	5	- 08	8
INCHES		- 06	6	- 06	6	- 06	6	- 09	9
04208 - PN - 1/8	1/8	- 07	7	- 07	7	- 07	7	- 10	10
- 5/32	5/32	- 08	8	- 08	8	- 08	8	- 11	11
- 3/16	3/16	- 09	9	- 09	9	- 09	9	- 12	12
PN11		- 10	10	- 10	10	- 10	10	- 13	13
MODEL NO.	SIZE	- 11	11	- 11	11	- 11	11	- 14	14
04211 - PN - 03	3	- 12	12	- 12	12	- 12	12	- 15	15
- 04	4	- 13	13	- 13	13	- 13	13	- 16	16
- 05	5	INCHES		- 14	14	- 14	14	- 17	17
- 06	6	04220 - PN - 1/8	1/8	- 15	15	- 15	15	- 18	18
- 07	7	- 5/32	5/32	- 16	16	- 16	16	- 19	19
INCHES		- 3/16	3/16	INCHES		- 17	17	- 20	20
04211 - PN - 1/8	1/8	- 7/32	7/32	04225 - PN - 1/8	1/8	- 18	18	- 21	21
- 5/32	5/32	- 1/4	1/4	- 5/32	5/32	- 19	19	- 22	22
- 3/16	3/16	- 9/32	9/32	- 3/16	3/16	- 20	20	- 23	23
- 7/32	7/32	- 5/16	5/16	- 7/32	7/32	INCHES		- 24	24
- 1/4	1/4	- 11/32	11/32	- 1/4	1/4	04232 - PN - 1/8	1/8	- 25	25
PN16		- 3/8	3/8	- 9/32	9/32	- 5/32	5/32	- 26	26
MODEL NO.	SIZE	- 13/32	13/32	- 5/16	5/16	- 3/16	3/16	INCHES	
04216 - PN - 03	3	- 7/16	7/16	- 11/32	11/32	- 7/32	7/32	04240 - PN - 1/4	1/4
- 04	4	- 15/32	15/32	- 3/8	3/8	- 1/4	1/4	- 9/32	9/32
- 05	5	- 1/2	1/2	- 13/32	13/32	- 9/32	9/32	- 5/16	5/16
- 06	6			- 7/16	7/16	- 5/16	5/16	- 11/32	11/32
- 07	7			- 15/32	15/32	- 11/32	11/32	- 3/8	3/8
- 08	8			- 1/2	1/2	- 3/8	3/8	- 13/32	13/32
- 09	9			- 17/32	17/32	- 13/32	13/32	- 7/16	7/16
- 10	10			- 9/16	9/16	- 7/16	7/16	- 15/32	15/32
INCHES				- 19/32	19/32	- 15/32	15/32	- 1/2	1/2
04216 - PN - 1/8	1/8			- 5/8	5/8	- 1/2	1/2	- 17/32	17/32
- 5/32	5/32					- 17/32	17/32	- 9/16	9/16
- 3/16	3/16					- 9/16	9/16	- 19/32	19/32
- 7/32	7/32					- 19/32	19/32	- 5/8	5/8
- 1/4	1/4					- 5/8	5/8	- 21/32	21/32
- 9/32	9/32					- 21/32	21/32	- 11/16	11/16
- 5/16	5/16					- 11/16	11/16	- 23/32	23/32
- 11/32	11/32					- 23/32	23/32	- 3/4	3/4
- 3/8	3/8					- 3/4	3/4	- 7/8	7/8
- 13/32	13/32							- 1	1

- Features:**
- ▶ Runout accuracy: 3µm and UP class 5µm.
 - ▶ Design: 6 slots in front and back, with better steel and production process, making the runout accuracy better than ER collets.
 - ▶ One size clamping is recommended.
 - ▶ Surface roughness: Ra < 0.1µm.
 - ▶ Recommended clamping range of tool shank: h6.



PN-ES STEEL SEALED COLLET

PN-ES 斜溝止水筒夾



TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
PN16ES	16	16.8	27.5	20.8	3.4	4	0.03
PN20ES	20	20.8	31.5	23.9	3.4	4.8	0.04
PN25ES	25	25.8	34	25.9	3.6	5	0.06
PN32ES	32	32.7	40	30.9	4.1	5.5	0.10
PN40ES	40	40.85	46	34.5	4.5	7	0.25

PN16ES		PN20ES		PN25ES		PN32ES		PN40ES	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04674 - 03	3	04676 - 03	3	04678 - 03	3	04680 - 03	3	04682 - 06	6
- 04	4	- 04	4	- 04	4	- 04	4	- 07	7
- 05	5	- 05	5	- 05	5	- 05	5	- 08	8
- 06	6	- 06	6	- 06	6	- 06	6	- 09	9
- 07	7	- 07	7	- 07	7	- 07	7	- 10	10
- 08	8	- 08	8	- 08	8	- 08	8	- 11	11
- 09	9	- 09	9	- 09	9	- 09	9	- 12	12
- 10	10	- 10	10	- 10	10	- 10	10	- 13	13
INCHES		- 11	11	- 11	11	- 11	11	- 14	14
04674 - 1/8	1/8	- 12	12	- 12	12	- 12	12	- 15	15
- 5/32	5/32	- 13	13	- 13	13	- 13	13	- 16	16
- 3/16	3/16	INCHES		- 14	14	- 14	14	- 17	17
- 7/32	7/32	04676 - 1/8	1/8	- 15	15	- 15	15	- 18	18
- 1/4	1/4	- 5/32	5/32	- 16	16	- 16	16	- 19	19
- 9/32	9/32	- 3/16	3/16	INCHES		- 17	17	- 20	20
- 5/16	5/16	- 7/32	7/32	04678 - 1/8	1/8	- 18	18	- 21	21
- 11/32	11/32	- 1/4	1/4	- 5/32	5/32	- 19	19	- 22	22
- 3/8	3/8	- 9/32	9/32	- 3/16	3/16	- 20	20	- 23	23
- 13/32	13/32	- 5/16	5/16	- 7/32	7/32	INCHES		- 24	24
		- 11/32	11/32	- 1/4	1/4	04680 - 1/8	1/8	- 25	25
		- 3/8	3/8	- 9/32	9/32	- 5/32	5/32	- 26	26
		- 13/32	13/32	- 5/16	5/16	- 3/16	3/16	INCHES	
		- 7/16	7/16	- 11/32	11/32	- 7/32	7/32	04682 - 1/4	1/4
		- 15/32	15/32	- 3/8	3/8	- 1/4	1/4	- 9/32	9/32
		- 1/2	1/2	- 13/32	13/32	- 9/32	9/32	- 5/16	5/16
				- 7/16	7/16	- 5/16	5/16	- 11/32	11/32
				- 15/32	15/32	- 11/32	11/32	- 3/8	3/8
				- 1/2	1/2	- 3/8	3/8	- 13/32	13/32
				- 17/32	17/32	- 13/32	13/32	- 7/16	7/16
				- 9/16	9/16	- 7/16	7/16	- 15/32	15/32
				- 19/32	19/32	- 15/32	15/32	- 1/2	1/2
				- 5/8	5/8	- 1/2	1/2	- 17/32	17/32
						- 17/32	17/32	- 9/16	9/16
						- 9/16	9/16	- 19/32	19/32
						- 19/32	19/32	- 5/8	5/8
						- 5/8	5/8	- 21/32	21/32
						- 21/32	21/32	- 11/16	11/16
						- 11/16	11/16	- 23/32	23/32
						- 23/32	23/32	- 3/4	3/4
						- 3/4	3/4	- 7/8	7/8
								- 1	1

Product information:

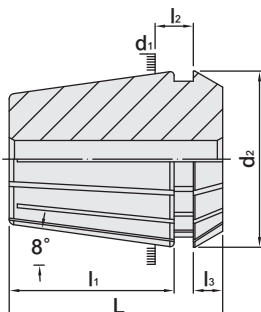
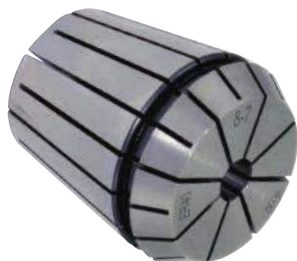
- ▶ Runout accuracy: 3µm.
- ▶ Use with PNER eccentric nut, [P.W-46].
- ▶ Used for coolant-through cutting tools.
- ▶ One size clamping is recommended.



ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



T W PAT NO. M261313
T W PAT NO. M266126
J P PAT NO. 3108255
J P PAT NO. 3108254

TYPE	E-NO.	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	4260E	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	4009E	11	11.5	18	13.5	3.8	2.5	0.01
ER16	426E	16	17	27.5	20.8	6.26	4	0.03
ER20	428E	20	21	31.5	23.9	6.36	4.8	0.04
ER25	430E	25	26	34	25.9	6.66	5	0.06
ER32	470E	32	33	40	30.9	7.16	5.5	0.10
ER40	472E	40	41	46	34.9	7.66	7	0.25
ER50	477E	50	51.85	60	46	12.6	8.5	0.45

ER8		ER11		ER16		ER20	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04208 - 01	1 - 0.5	04211 - 01	1 - 0.5	04216 - 01	1 - 0.5	04220 - 01	1 - 0.5
- 01.5	1.5 - 1	- 01.5	1.5 - 1	- 01.5	1.5 - 1	- 01.5	1.5 - 1
- 02	2 - 1.5	- 02	2 - 1.5	- 02	2 - 1.5	- 02	2 - 1.5
- 02.5	2.5 - 2	- 02.5	2.5 - 2	- 02.5	2.5 - 2	- 02.5	2.5 - 2
- 03	3 - 2.5	- 03	3 - 2.5	- 03	3 - 2	- 03	3 - 2
- 03.5	3.5 - 3	- 03.5	3.5 - 3	- 03.5	3.5 - 2.5	- 03.5	3.5 - 2.5
- 04	4 - 3.5	- 04	4 - 3.5	- 04	4 - 3	- 04	4 - 3
- 04.5	4.5 - 4	- 04.5	4.5 - 4	- 04.5	4.5 - 3.5	- 04.5	4.5 - 3.5
- 05	5 - 4.5	- 05	5 - 4.5	- 05	5 - 4	- 05	5 - 4
INCHES		- 05.5	5.5 - 5	- 05.5	5.5 - 4.5	- 05.5	5.5 - 4.5
04208 - 1/16	0.043 - 0.062	- 06	6 - 5.5	- 06	6 - 5	- 06	6 - 5
- 1/8	0.086 - 0.125	- 06.5	6.5 - 6	- 06.5	6.5 - 5.5	- 06.5	6.5 - 5.5
- 3/16	0.148 - 0.187	- 07	7 - 6.5	- 07	7 - 6	- 07	7 - 6
INCHES		- 07.5	7.5 - 6.5	- 07.5	7.5 - 6.5	- 07.5	7.5 - 6.5
		04211 - 1/16	0.062	- 08	8 - 7	- 08	8 - 7
		- 3/32	0.093	- 08.5	8.5 - 7.5	- 08.5	8.5 - 7.5
		- 1/8	0.125	- 09	9 - 8	- 09	9 - 8
		- 5/32	0.156	- 09.5	9.5 - 8.5	- 09.5	9.5 - 8.5
		- 3/16	0.187	- 10	10 - 9	- 10	10 - 9
		- 7/32	0.218	INCHES		- 10.5	10.5 - 9.5
		- 1/4	0.25	04216 - 1/16	0.043 - 0.062	- 11	11 - 10
				- 3/32	0.054 - 0.093	- 11.5	11.5 - 10.5
				- 1/8	0.086 - 0.125	- 12	12 - 11
				- 5/32	0.117 - 0.156	- 12.5	12.5 - 11.5
				- 3/16	0.148 - 0.187	- 13	13 - 12
				- 7/32	0.179 - 0.218	INCHES	
				- 1/4	0.211 - 0.25	04220 - 1/16	0.043 - 0.062
				- 9/32	0.242 - 0.281	- 3/32	0.054 - 0.093
				- 5/16	0.273 - 0.312	- 1/8	0.086 - 0.125
				- 11/32	0.304 - 0.343	- 5/32	0.117 - 0.156
				- 3/8	0.336 - 0.375	- 3/16	0.148 - 0.187
				- 13/32	0.367 - 0.406	- 7/32	0.179 - 0.218
						- 1/4	0.211 - 0.25
						- 9/32	0.242 - 0.281
						- 5/16	0.273 - 0.312
						- 11/32	0.304 - 0.343
						- 3/8	0.336 - 0.375
						- 13/32	0.367 - 0.406
						- 7/16	0.398 - 0.437
						- 15/32	0.429 - 0.468
						- 1/2	0.461 - 0.5

Features:

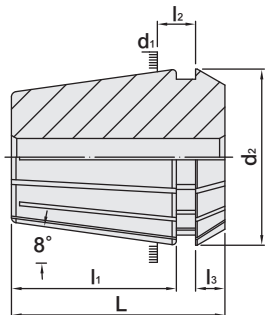
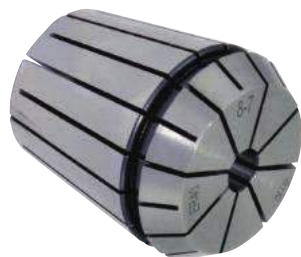
- ▶ Runout accuracy: 20µm, A class 10µm, UP class 5µm.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID ≥ 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID ≤ 10mm).
- ▶ Surface roughness: Ra < 0.25µm, A class Ra < 0.15µm, UP class Ra < 0.1µm.
- ▶ Used for drills, taps, mills and reamers, etc.
- ▶ Please inform required precision when making an order.



ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



T W PAT NO. M261313
 T W PAT NO. M266126
 J P PAT NO. 3108255
 J P PAT NO. 3108254

TYPE	E-NO.	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	4260E	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	4009E	11	11.5	18	13.5	3.8	2.5	0.01
ER16	426E	16	17	27.5	20.8	6.26	4	0.03
ER20	428E	20	21	31.5	23.9	6.36	4.8	0.04
ER25	430E	25	26	34	25.9	6.66	5	0.06
ER32	470E	32	33	40	30.9	7.16	5.5	0.10
ER40	472E	40	41	46	34.9	7.66	7	0.25
ER50	477E	50	51.85	60	46	12.6	8.5	0.45

ER25			
MODEL NO.	SIZE	MODEL NO.	SIZE
04225 - 01	1 - 0.5	04225 - 09	9 - 8
- 01.5	1.5 - 1	- 09.5	9.5 - 8.5
- 02	2 - 1.5	- 10	10 - 9
- 02.5	2.5 - 2	- 10.5	10.5 - 9.5
- 03	3 - 2	- 11	11 - 10
- 03.5	3.5 - 2.5	- 11.5	11.5 - 10.5
- 04	4 - 3	- 12	12 - 11
- 04.5	4.5 - 3.5	- 12.5	12.5 - 11.5
- 05	5 - 4	- 13	13 - 12
- 05.5	5.5 - 4.5	- 13.5	13.5 - 12.5
- 06	6 - 5	- 14	14 - 13
- 06.5	6.5 - 5.5	- 14.5	14.5 - 13.5
- 07	7 - 6	- 15	15 - 14
- 07.5	7.5 - 6.5	- 15.5	15.5 - 14.5
- 08	8 - 7	- 16	16 - 15
- 08.5	8.5 - 7.5		

INCHES

04225 - 3/32	0.054 - 0.093	04225 - 3/8	0.336 - 0.375
- 1/8	0.086 - 0.125	04225 - 13/32	0.367 - 0.406
- 5/32	0.117 - 0.156	04225 - 7/16	0.398 - 0.437
- 3/16	0.148 - 0.187	04225 - 15/32	0.429 - 0.468
- 7/32	0.179 - 0.218	04225 - 1/2	0.461 - 0.5
- 1/4	0.211 - 0.250	04225 - 17/32	0.492 - 0.531
- 9/32	0.242 - 0.281	04225 - 9/16	0.523 - 0.562
- 5/16	0.273 - 0.312	04225 - 19/32	0.554 - 0.593
- 11/32	0.304 - 0.343	04225 - 5/8	0.586 - 0.625

ER32			
MODEL NO.	SIZE	MODEL NO.	SIZE
04232 - 02	2 - 1.5	04232 - 11.5	11.5 - 10.5
- 02.5	2.5 - 2	- 12	12 - 11
- 03	3 - 2	- 12.5	12.5 - 11.5
- 03.5	3.5 - 2.5	- 13	13 - 12
- 04	4 - 3	- 13.5	13.5 - 12.5
- 04.5	4.5 - 3.5	- 14	14 - 13
- 05	5 - 4	- 14.5	14.5 - 13.5
- 05.5	5.5 - 4.5	- 15	15 - 14
- 06	6 - 5	- 15.5	15.5 - 14.5
- 06.5	6.5 - 5.5	- 16	16 - 15
- 07	7 - 6	- 16.5	16.5 - 15.5
- 07.5	7.5 - 6.5	- 17	17 - 16
- 08	8 - 7	- 17.5	17.5 - 16.5
- 08.5	8.5 - 7.5	- 18	18 - 17
- 09	9 - 8	- 18.5	18.5 - 17.5
- 09.5	9.5 - 8.5	- 19	19 - 18
- 10	10 - 9	- 19.5	19.5 - 18.5
- 10.5	10.5 - 9.5	- 20	20 - 19
- 11	11 - 10		

INCHES

04232 - 1/16	0.043 - 0.062	04232 - 7/16	0.398 - 0.437
- 3/32	0.054 - 0.093	- 15/32	0.429 - 0.468
- 1/8	0.086 - 0.125	- 1/2	0.461 - 0.5
- 5/32	0.117 - 0.156	- 17/32	0.492 - 0.531
- 3/16	0.148 - 0.187	- 9/16	0.523 - 0.562
- 7/32	0.179 - 0.218	- 19/32	0.554 - 0.593
- 1/4	0.211 - 0.25	- 5/8	0.586 - 0.625
- 9/32	0.242 - 0.281	- 21/32	0.617 - 0.656
- 5/16	0.273 - 0.312	- 11/16	0.648 - 0.687
- 11/32	0.304 - 0.343	- 23/32	0.679 - 0.718
- 3/8	0.336 - 0.375	- 3/4	0.711 - 0.75
- 13/32	0.367 - 0.406		

Features:

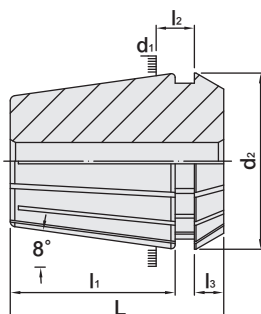
- ▶ Runout accuracy: 20 μ m, A class 10 μ m, UP class 5 μ m.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID \geq 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID \leq 10mm).
- ▶ Surface roughness: Ra < 0.25 μ m, A class Ra < 0.15 μ m, UP class Ra < 0.1 μ m.
- ▶ Used for drills, taps, mills and reamers, etc.
- ▶ Please inform required precision when making an order.



ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



TYPE	E-NO.	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	4260E	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	4009E	11	11.5	18	13.5	3.8	2.5	0.01
ER16	426E	16	17	27.5	20.8	6.26	4	0.03
ER20	428E	20	21	31.5	23.9	6.36	4.8	0.04
ER25	430E	25	26	34	25.9	6.66	5	0.06
ER32	470E	32	33	40	30.9	7.16	5.5	0.10
ER40	472E	40	41	46	34.9	7.66	7	0.25
ER50	477E	50	51.85	60	46	12.6	8.5	0.45

T W PAT NO. M261313
 T W PAT NO. M266126
 J P PAT NO. 3108255
 J P PAT NO. 3108254

ER40				ER50			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04240 - 03	3 - 2	04240 - 15	15 - 14	04250 - 06	6 - 5	04250 - 21	21 - 19
- 03.5	3.5 - 2.5	- 15.5	15.5 - 14.5	- 07	7 - 6	- 22	22 - 20
- 04	4 - 3	- 16	16 - 15	- 08	8 - 7	- 23	23 - 21
- 04.5	4.5 - 3.5	- 16.5	16.5 - 15.5	- 09	9 - 8	- 24	24 - 22
- 05	5 - 4	- 17	17 - 16	- 10	10 - 9	- 25	25 - 23
- 05.5	5.5 - 4.5	- 17.5	17.5 - 16.5	- 11	11 - 9	- 26	26 - 24
- 06	6 - 5	- 18	18 - 17	- 12	12 - 10	- 27	27 - 25
- 06.5	6.5 - 5.5	- 18.5	18.5 - 17.5	- 13	13 - 11	- 28	28 - 26
- 07	7 - 6	- 19	19 - 18	- 14	14 - 12	- 29	29 - 27
- 07.5	7.5 - 6.5	- 19.5	19.5 - 18.5	- 15	15 - 13	- 30	30 - 28
- 08	8 - 7	- 20	20 - 19	- 16	16 - 14	- 31	31 - 29
- 08.5	8.5 - 7.5	- 20.5	20.5 - 19.5	- 17	17 - 15	- 32	32 - 30
- 09	9 - 8	- 21	21 - 20	- 18	18 - 16	- 33	33 - 31
- 09.5	9.5 - 8.5	- 21.5	21.5 - 20.5	- 19	19 - 17	- 34	34 - 32
- 10	10 - 9	- 22	22 - 21	- 20	20 - 18		
- 10.5	10.5 - 9.5	- 22.5	22.5 - 21.5				
- 11	11 - 10	- 23	23 - 22				
- 11.5	11.5 - 10.5	- 23.5	23.5 - 22.5				
- 12	12 - 11	- 24	24 - 23				
- 12.5	12.5 - 11.5	- 24.5	24.5 - 23.5				
- 13	13 - 12	- 25	25 - 24				
- 13.5	13.5 - 12.5	- 25.5	25.5 - 24.5				
- 14	14 - 13	- 26	26 - 25				
- 14.5	14.5 - 13.5						

INCHES

04240 - 1/8	0.086 - 0.125	04240 - 1/2	0.461 - 0.5
- 5/32	0.117 - 0.156	04240 - 17/32	0.492 - 0.531
- 3/16	0.148 - 0.187	04240 - 9/16	0.523 - 0.562
- 7/32	0.179 - 0.218	04240 - 19/32	0.554 - 0.593
- 1/4	0.211 - 0.25	04240 - 5/8	0.586 - 0.625
- 9/32	0.242 - 0.281	04240 - 21/32	0.617 - 0.656
- 5/16	0.273 - 0.312	04240 - 11/16	0.648 - 0.687
- 11/32	0.304 - 0.343	04240 - 23/32	0.679 - 0.718
- 3/8	0.336 - 0.375	04240 - 3/4	0.711 - 0.750
- 13/32	0.367 - 0.406	04240 - 7/8	0.836 - 0.875
- 7/16	0.398 - 0.437	04240 - 1	0.961 - 1
- 15/32	0.429 - 0.468		

04250 - 7/32	0.179 - 0.219	04250 - 25/32	0.703 - 0.781
- 1/4	0.211 - 0.250	- 27/32	0.765 - 0.844
- 5/16	0.273 - 0.313	- 15/16	0.859 - 0.938
- 11/32	0.304 - 0.344	- 1	0.921 - 1
- 3/8	0.336 - 0.375	- 1-3/32	1.015 - 1.094
- 7/16	0.359 - 0.438	- 1-3/16	1.109 - 1.188
- 17/32	0.453 - 0.531	- 1-1/4	1.171 - 1.25
- 5/8	0.546 - 0.625	- 1-5/16	1.234 - 1.313
- 11/16	0.609 - 0.688		

Features:

- ▶ Runout accuracy: 20µm, A class 10µm, UP class 5µm.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID ≥ 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID ≤ 10mm).
- ▶ Surface roughness: Ra < 0.25µm, A class Ra < 0.15µm, UP class Ra < 0.1µm.
- ▶ Used for drills, taps, mills and reamers, etc.
- ▶ Please inform required precision when making an order.



ER-E COLLET

ER-E 彈性筒夾

(DIN ISO 15488)



T W PAT NO. M261313
T W PAT NO. M266126
J P PAT NO. 3108255
J P PAT NO. 3108254

ER11E		ER20E		ER25E		ER32E		ER40E			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04311 - 02	2	04320 - 02	2	04325 - 02	2	04332 - 03	3	04340 - 03	3	04340 - 15	15
- 03	3	- 03	3	- 03	3	- 04	4	- 04	4	- 16	16
- 04	4	- 04	4	- 04	4	- 05	5	- 05	5	- 17	17
- 05	5	- 05	5	- 05	5	- 06	6	- 06	6	- 18	18
- 06	6	- 06	6	- 06	6	- 07	7	- 07	7	- 19	19
- 07	7	- 07	7	- 07	7	- 08	8	- 08	8	- 20	20
INCHES		- 08	8	- 08	8	- 09	9	- 09	9	- 21	21
04311 - 1/16	1/16	- 09	9	- 09	9	- 10	10	- 10	10	- 22	22
- 3/32	3/32	- 10	10	- 10	10	- 11	11	- 11	11	- 23	23
- 1/8	1/8	- 11	11	- 11	11	- 12	12	- 12	12	- 24	24
- 5/32	5/32	- 12	12	- 12	12	- 13	13	- 13	13	- 25	25
- 3/16	3/16	- 13	13	- 13	13	- 14	14	- 14	14	- 26	26
- 7/32	7/32	INCHES		- 14	14	- 15	15	INCHES		- 26	26
- 1/4	1/4	04320 - 1/16	1/16	- 15	15	- 16	16	04340 - 1/8	1/8	04340 - 1/2	1/2
- 9/32	9/32	- 3/32	3/32	- 16	16	- 17	17	- 5/32	5/32	- 17/32	17/32
WEIGHT(KGS)		- 1/8	1/8	INCHES		- 18	18	- 3/16	3/16	- 9/16	9/16
0.01		- 5/32	5/32	04325 - 3/32	3/32	- 19	19	- 7/32	7/32	- 19/32	19/32
ER16E		- 3/16	3/16	- 1/8	1/8	- 20	20	- 1/4	1/4	- 5/8	5/8
MODEL NO.	SIZE	- 7/32	7/32	- 5/32	5/32	INCHES		- 9/32	9/32	- 21/32	21/32
04316 - 02	2	- 1/4	1/4	- 3/16	3/16	04332 - 1/8	1/8	- 5/16	5/16	- 11/16	11/16
- 03	3	- 9/32	9/32	- 7/32	7/32	- 5/32	5/32	- 11/32	11/32	- 23/32	23/32
- 04	4	- 5/16	5/16	- 1/4	1/4	- 3/16	3/16	- 3/8	3/8	- 3/4	3/4
- 05	5	- 11/32	11/32	- 9/32	9/32	- 7/32	7/32	- 13/32	13/32	- 7/8	7/8
- 06	6	- 3/8	3/8	- 5/16	5/16	- 1/4	1/4	- 7/16	7/16	- 1	1
- 07	7	- 13/32	13/32	- 11/32	11/32	- 9/32	9/32	- 15/32	15/32		
- 08	8	- 7/16	7/16	- 3/8	3/8	- 5/16	5/16	WEIGHT(KGS)			
- 09	9	- 15/32	15/32	- 13/32	13/32	- 11/32	11/32	0.25			
- 10	10	- 1/2	1/2	- 7/16	7/16	- 3/8	3/8				
INCHES		WEIGHT(KGS)		- 15/32	15/32	- 13/32	13/32				
04316 - 1/16	1/16	0.04		- 1/2	1/2	- 7/16	7/16				
- 3/32	3/32			- 17/32	17/32	- 15/32	15/32				
- 1/8	1/8			- 9/16	9/16	- 1/2	1/2				
- 5/32	5/32			- 19/32	19/32	- 17/32	17/32				
- 3/16	3/16			- 5/8	5/8	- 9/16	9/16				
- 7/32	7/32			WEIGHT(KGS)		- 19/32	19/32				
- 1/4	1/4			0.06		- 5/8	5/8				
- 9/32	9/32					- 21/32	21/32				
- 5/16	5/16					- 11/16	11/16				
- 11/32	11/32					- 23/32	23/32				
- 3/8	3/8					- 3/4	3/4				
- 13/32	13/32					WEIGHT(KGS)					
WEIGHT(KGS)						0.1					
0.03											

Features:

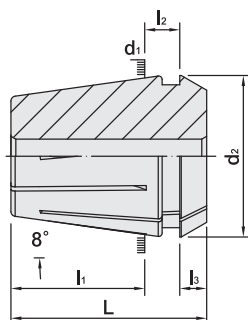
- ▶ Runout accuracy: 5µm.
- ▶ Design: 6 slots in front and back, increasing precision stability.
- ▶ Clamping one size tool is recommended.
- ▶ Surface roughness: Ra<0.1µm



ER-ES STEEL SEALED COLLET

ER-ES 斜槽止水筒夾

(DIN ISO 15488)



T W PAT NO. M285418
T W PAT NO. M311516
J P PAT NO. 3124650
C H PAT NO. 696264

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER11ES	11	11.2	18	11.7	3.8	2.5	0.01
ER16ES	16	16.6	27.5	20.8	6.25	4	0.03
ER20ES	20	20.6	31.5	23.9	6.36	4.8	0.04
ER25ES	25	25.6	34	25.9	6.66	5	0.06
ER32ES	32	32.6	40	30.9	7.16	5.5	0.10
ER40ES	40	40.6	46	34.9	7.66	7	0.25

ER11ES		ER16ES		ER20ES		ER25ES			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04542 - 03	3	04543 - 03	3	04544 - 03	3	04545 - 03	3	04545 - 10	10
- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 10.5	10.5
- 04	4	- 04	4	- 04	4	- 04	4	- 11	11
- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 11.5	11.5
- 05	5	- 05	5	- 05	5	- 05	5	- 12	12
- 05.5	5.5	- 05.5	5.5	- 05.5	5.5	- 05.5	5.5	- 12.5	12.5
- 06	6	- 06	6	- 06	6	- 06	6	- 13	13
- 06.5	6.5	- 06.5	6.5	- 06.5	6.5	- 06.5	6.5	- 13.5	13.5
- 07	7	- 07	7	- 07	7	- 07	7	- 14	14
INCHES		- 07.5	7.5	- 07.5	7.5	- 07.5	7.5	- 14.5	14.5
04542 - 3/32	3/32	- 08	8	- 08	8	- 08	8	- 15	15
- 1/8	1/8	- 08.5	8.5	- 08.5	8.5	- 08.5	8.5	- 15.5	15.5
- 5/32	5/32	- 09	9	- 09	9	- 09	9	- 16	16
- 3/16	3/16	- 09.5	9.5	- 09.5	9.5	- 09.5	9.5		
- 7/32	7/32	- 10	10	- 10	10	INCHES			
- 1/4	1/4	INCHES		- 10.5	10.5	04545 - 7/32	7/32	04545 - 7/16	7/16
		04543 - 3/32	3/32	- 11	11	- 1/4	1/4	- 15/32	15/32
		- 1/8	1/8	- 11.5	11.5	- 9/32	9/32	- 1/2	1/2
		- 5/32	5/32	- 12	12	- 5/16	5/16	- 17/32	17/32
		- 3/16	3/16	- 12.5	12.5	- 11/32	11/32	- 9/16	9/16
		- 7/32	7/32	- 13	13	- 3/8	3/8	- 19/32	19/32
		- 1/4	1/4	INCHES		- 13/32	13/32	- 5/8	5/8
		- 9/32	9/32	04544 - 1/8	1/8				
		- 5/16	5/16	- 5/32	5/32				
		- 11/32	11/32	- 3/16	3/16				
		- 3/8	3/8	- 7/32	7/32				
		- 13/32	13/32	- 1/4	1/4				
				- 9/32	9/32				
				- 5/16	5/16				
				- 11/32	11/32				
				- 3/8	3/8				
				- 13/32	13/32				
				- 7/16	7/16				
				- 15/32	15/32				
				- 1/2	1/2				

Features:

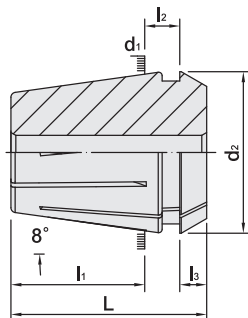
- ▶ Surface roughness: Ra<0.25µm.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ER-ES STEEL SEALED COLLET

ER-ES 斜槽止水筒夾

(DIN ISO 15488)



TW PAT NO. M285418
TW PAT NO. M311516
J P PAT NO. 3124650
C H PAT NO. 696264

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER11ES	11	11.2	18	11.7	3.8	2.5	0.01
ER16ES	16	16.6	27.5	20.8	6.25	4	0.03
ER20ES	20	20.6	31.5	23.9	6.36	4.8	0.04
ER25ES	25	25.6	34	25.9	6.66	5	0.06
ER32ES	32	32.6	40	30.9	7.16	5.5	0.10
ER40ES	40	40.6	46	34.9	7.66	7	0.25

ER32ES			
MODEL NO.	SIZE	MODEL NO.	SIZE
04546 - 03	3	04546 - 12	12
- 03.5	3.5	- 12.5	12.5
- 04	4	- 13	13
- 04.5	4.5	- 13.5	13.5
- 05	5	- 14	14
- 05.5	5.5	- 14.5	14.5
- 06	6	- 15	15
- 06.5	6.5	- 15.5	15.5
- 07	7	- 16	16
- 07.5	7.5	- 16.5	16.5
- 08	8	- 17	17
- 08.5	8.5	- 17.5	17.5
- 09	9	- 18	18
- 09.5	9.5	- 18.5	18.5
- 10	10	- 19	19
- 10.5	10.5	- 19.5	19.5
- 11	11	- 20	20
- 11.5	11.5		

INCHES

04546 - 7/32	7/32	04546 - 1/2	1/2
- 1/4	1/4	- 17/32	17/32
- 9/32	9/32	- 9/16	9/16
- 5/16	5/16	- 19/32	19/32
- 11/32	11/32	- 5/8	5/8
- 3/8	3/8	- 21/32	21/32
- 13/32	13/32	- 11/16	11/16
- 7/16	7/16	- 23/32	23/32
- 15/32	15/32	- 3/4	3/4

ER40ES			
MODEL NO.	SIZE	MODEL NO.	SIZE
04547 - 03	3	04547 - 15	15
- 03.5	3.5	- 15.5	15.5
- 04	4	- 16	16
- 04.5	4.5	- 16.5	16.5
- 05	5	- 17	17
- 05.5	5.5	- 17.5	17.5
- 06	6	- 18	18
- 06.5	6.5	- 18.5	18.5
- 07	7	- 19	19
- 07.5	7.5	- 19.5	19.5
- 08	8	- 20	20
- 08.5	8.5	- 20.5	20.5
- 09	9	- 21	21
- 09.5	9.5	- 21.5	21.5
- 10	10	- 22	22
- 10.5	10.5	- 22.5	22.5
- 11	11	- 23	23
- 11.5	11.5	- 23.5	23.5
- 12	12	- 24	24
- 12.5	12.5	- 24.5	24.5
- 13	13	- 25	25
- 13.5	13.5	- 25.5	25.5
- 14	14	- 26	26
- 14.5	14.5		

INCHES

04547 - 7/32	7/32	04547 - 17/32	17/32
- 1/4	1/4	- 9/16	9/16
- 9/32	9/32	- 19/32	19/32
- 5/16	5/16	- 5/8	5/8
- 11/32	11/32	- 21/32	21/32
- 3/8	3/8	- 11/16	11/16
- 13/32	13/32	- 23/32	23/32
- 7/16	7/16	- 3/4	3/4
- 15/32	15/32	- 7/8	7/8
- 1/2	1/2	- 1	1

Features:

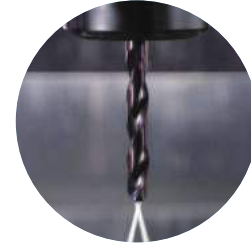
- ▶ Surface roughness: Ra<0.25µm.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS METALLIC SEALED COLLET

ERS 直溝止水筒夾

(DIN ISO 15488)



ERS11		ERS16		ERS20		ERS25			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04411 - 03	3	04416 - 03	3	04420 - 03	3	04425 - 03	3	04425 - 10	10
- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 10.5	10.5
- 04	4	- 04	4	- 04	4	- 04	4	- 11	11
- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 11.5	11.5
- 05	5	- 05	5	- 05	5	- 05	5	- 12	12
- 05.5	5.5	- 05.5	5.5	- 05.5	5.5	- 05.5	5.5	- 12.5	12.5
- 06	6	- 06	6	- 06	6	- 06	6	- 13	13
- 06.5	6.5	- 06.5	6.5	- 06.5	6.5	- 06.5	6.5	- 13.5	13.5
- 07	7	- 07	7	- 07	7	- 07	7	- 14	14
INCHES		- 07.5	7.5	- 07.5	7.5	- 07.5	7.5	- 14.5	14.5
04411 - 3/32	3/32	- 08	8	- 08	8	- 08	8	- 15	15
- 1/8	1/8	- 08.5	8.5	- 08.5	8.5	- 08.5	8.5	- 15.5	15.5
- 5/32	5/32	- 09	9	- 09	9	- 09	9	- 16	16
- 3/16	3/16	- 09.5	9.5	- 09.5	9.5	- 09.5	9.5		
- 7/32	7/32	- 10	10	- 10	10	INCHES			
- 1/4	1/4	INCHES		- 10.5	10.5	04425 - 7/32	7/32	04425 - 7/16	7/16
		04416 - 3/32	3/32	- 11	11	- 1/4	1/4	- 15/32	15/32
		- 1/8	1/8	- 11.5	11.5	- 9/32	9/32	- 1/2	1/2
		- 5/32	5/32	- 12	12	- 5/16	5/16	- 17/32	17/32
		- 3/16	3/16	- 12.5	12.5	- 11/32	11/32	- 9/16	9/16
		- 7/32	7/32	- 13	13	- 3/8	3/8	- 19/32	19/32
		- 1/4	1/4	INCHES		- 13/32	13/32	- 5/8	5/8
		- 9/32	9/32	04420 - 1/8	1/8				
		- 5/16	5/16	- 5/32	5/32				
		- 11/32	11/32	- 3/16	3/16				
		- 3/8	3/8	- 7/32	7/32				
		- 13/32	13/32	- 1/4	1/4				
				- 9/32	9/32				
				- 5/16	5/16				
				- 11/32	11/32				
				- 3/8	3/8				
				- 13/32	13/32				
				- 7/16	7/16				
				- 15/32	15/32				
				- 1/2	1/2				

Features:

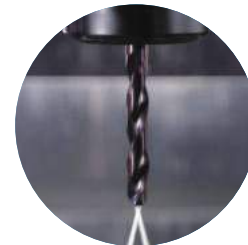
- ▶ Runout accuracy: 10um & UP class 5um.
- ▶ Surface roughness: Ra<0.25µm.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS METALLIC SEALED COLLET

ERS 直溝止水筒夾

(DIN ISO 15488)



ERS32			
MODEL NO.	SIZE	MODEL NO.	SIZE
04432 - 03	3	04432 - 12	12
- 03.5	3.5	- 12.5	12.5
- 04	4	- 13	13
- 04.5	4.5	- 13.5	13.5
- 05	5	- 14	14
- 05.5	5.5	- 14.5	14.5
- 06	6	- 15	15
- 06.5	6.5	- 15.5	15.5
- 07	7	- 16	16
- 07.5	7.5	- 16.5	16.5
- 08	8	- 17	17
- 08.5	8.5	- 17.5	17.5
- 09	9	- 18	18
- 09.5	9.5	- 18.5	18.5
- 10	10	- 19	19
- 10.5	10.5	- 19.5	19.5
- 11	11	- 20	20
- 11.5	11.5		

INCHES

04432 - 7/32	7/32	04432 - 1/2	1/2
- 1/4	1/4	- 17/32	17/32
- 9/32	9/32	- 9/16	9/16
- 5/16	5/16	- 19/32	19/32
- 11/32	11/32	- 5/8	5/8
- 3/8	3/8	- 21/32	21/32
- 13/32	13/32	- 11/16	11/16
- 7/16	7/16	- 23/32	23/32
- 15/32	15/32	- 3/4	3/4

ERS40			
MODEL NO.	SIZE	MODEL NO.	SIZE
04440 - 03	3	04440 - 15	15
- 03.5	3.5	- 15.5	15.5
- 04	4	- 16	16
- 04.5	4.5	- 16.5	16.5
- 05	5	- 17	17
- 05.5	5.5	- 17.5	17.5
- 06	6	- 18	18
- 06.5	6.5	- 18.5	18.5
- 07	7	- 19	19
- 07.5	7.5	- 19.5	19.5
- 08	8	- 20	20
- 08.5	8.5	- 20.5	20.5
- 09	9	- 21	21
- 09.5	9.5	- 21.5	21.5
- 10	10	- 22	22
- 10.5	10.5	- 22.5	22.5
- 11	11	- 23	23
- 11.5	11.5	- 23.5	23.5
- 12	12	- 24	24
- 12.5	12.5	- 24.5	24.5
- 13	13	- 25	25
- 13.5	13.5	- 25.5	25.5
- 14	14	- 26	26
- 14.5	14.5		

INCHES

04440 - 7/32	7/32	04440 - 17/32	17/32
- 1/4	1/4	- 9/16	9/16
- 9/32	9/32	- 19/32	19/32
- 5/16	5/16	- 5/8	5/8
- 11/32	11/32	- 21/32	21/32
- 3/8	3/8	- 11/16	11/16
- 13/32	13/32	- 23/32	23/32
- 7/16	7/16	- 3/4	3/4
- 15/32	15/32	- 7/8	7/8
- 1/2	1/2	- 1	1

Features:

- ▶ Runout accuracy: 10um & UP class 5um.
- ▶ Surface roughness: Ra<0.25um.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.

ERS COOLANT COLLET FOD TYPE

ERS 直溝出水筒夾 [FOD型]

(DIN ISO 15488)



ERS11-FOD		ERS16-FOD		ERS20-FOD		ERS25-FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
04412 - 03	3	04417 - 03	3	04421 - 03	3	04426 - 03	3	04426 - 09	9
- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 03.5	3.5	- 09.5	9.5
- 04	4	- 04	4	- 04	4	- 04	4	- 10	10
- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 04.5	4.5	- 10.5	10.5
- 05	5	- 05	5	- 05	5	- 05	5	- 11	11
INCHES		- 05.5	5.5	- 05.5	5.5	- 05.5	5.5	- 11.5	11.5
04412 - 3/32	3/32	- 06	6	- 06	6	- 06	6	- 12	12
- 1/8	1/8	- 06.5	6.5	- 06.5	6.5	- 06.5	6.5	- 12.5	12.5
- 5/32	5/32	- 07	7	- 07	7	- 07	7	- 13	13
- 3/16	3/16	INCHES		- 07.5	7.5	- 07.5	7.5	- 13.5	13.5
- 7/32	7/32	04417 - 3/32	3/32	- 08	8	- 08	8	- 14	14
- 1/4	1/4	- 1/8	1/8	- 08.5	8.5	- 08.5	8.5		
		- 5/32	5/32	- 09	9	INCHES			
		- 3/16	3/16	INCHES		04426 - 7/32	7/32	04426 - 13/32	13/32
		- 7/32	7/32	04421 - 1/8	1/8	- 1/4	1/4	- 7/16	7/16
		- 1/4	1/4	- 5/32	5/32	- 9/32	9/32	- 15/32	15/32
		- 9/32	9/32	- 3/16	3/16	- 5/16	5/16	- 1/2	1/2
		- 5/16	5/16	- 7/32	7/32	- 11/32	11/32	- 17/32	17/32
				- 1/4	1/4	- 3/8	3/8	- 9/16	9/16
				- 9/32	9/32				
				- 5/16	5/16				
				- 11/32	11/32				
				- 3/8	3/8				

Features:

- ▶ Runout accuracy: 10um & UP class 5um.
- ▶ Surface roughness: Ra<0.25um.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS COOLANT COLLET FOD TYPE

ERS 直溝出水筒夾 [FOD型]

(DIN ISO 15488)



ERS32-FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
04433 - 03	3	04433 - 12	12
- 03.5	3.5	- 12.5	12.5
- 04	4	- 13	13
- 04.5	4.5	- 13.5	13.5
- 05	5	- 14	14
- 05.5	5.5	- 14.5	14.5
- 06	6	- 15	15
- 06.5	6.5	- 15.5	15.5
- 07	7	- 16	16
- 07.5	7.5	- 16.5	16.5
- 08	8	- 17	17
- 08.5	8.5	- 17.5	17.5
- 09	9	- 18	18
- 09.5	9.5	- 18.5	18.5
- 10	10	- 19	19
- 10.5	10.5	- 19.5	19.5
- 11	11	- 20	20
- 11.5	11.5		

INCHES

04433 - 7/32	7/32	04433 - 1/2	1/2
- 1/4	1/4	- 17/32	17/32
- 9/32	9/32	- 9/16	9/16
- 5/16	5/16	- 19/32	19/32
- 11/32	11/32	- 5/8	5/8
- 3/8	3/8	- 21/32	21/32
- 13/32	13/32	- 11/16	11/16
- 7/16	7/16	- 23/32	23/32
- 15/32	15/32	- 3/4	3/4

ERS40-FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
04441 - 03	3	04441 - 15	15
- 03.5	3.5	- 15.5	15.5
- 04	4	- 16	16
- 04.5	4.5	- 16.5	16.5
- 05	5	- 17	17
- 05.5	5.5	- 17.5	17.5
- 06	6	- 18	18
- 06.5	6.5	- 18.5	18.5
- 07	7	- 19	19
- 07.5	7.5	- 19.5	19.5
- 08	8	- 20	20
- 08.5	8.5	- 20.5	20.5
- 09	9	- 21	21
- 09.5	9.5	- 21.5	21.5
- 10	10	- 22	22
- 10.5	10.5	- 22.5	22.5
- 11	11	- 23	23
- 11.5	11.5	- 23.5	23.5
- 12	12	- 24	24
- 12.5	12.5	- 24.5	24.5
- 13	13	- 25	25
- 13.5	13.5	- 25.5	25.5
- 14	14	- 26	26
- 14.5	14.5		

INCHES

04441 - 7/32	7/32	04441 - 17/32	17/32
- 1/4	1/4	- 9/16	9/16
- 9/32	9/32	- 19/32	19/32
- 5/16	5/16	- 5/8	5/8
- 11/32	11/32	- 21/32	21/32
- 3/8	3/8	- 11/16	11/16
- 13/32	13/32	- 23/32	23/32
- 7/16	7/16	- 3/4	3/4
- 15/32	15/32	- 7/8	7/8
- 1/2	1/2	- 1	1

Features:

- ▶ Runout accuracy: 10um & UP class 5um.
- ▶ Surface roughness: Ra<0.25um.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 100 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ER-EO SEALED COLLET

ER-EO 止水筒夾

(DIN ISO 15488)



T W PAT NO. M285418

ER11EO		ER20EO		ER25EO		ER32EO		ER40EO					
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
08311 - 03	3	08320 - 03	3	08325 - 03	3	08332 - 03	3	08340 - 03	3	08340 - 15	15		
- 04	4	- 04	4	- 04	4	- 04	4	- 04	4	- 16	16		
- 05	5	- 05	5	- 05	5	- 05	5	- 05	5	- 17	17		
- 06	6	- 06	6	- 06	6	- 06	6	- 06	6	- 18	18		
- 07	7	- 07	7	- 07	7	- 07	7	- 07	7	- 19	19		
INCHES		- 08	8	- 08	8	- 08	8	- 08	8	- 20	20		
08311 - 1/8	1/8	- 09	9	- 09	9	- 09	9	- 09	9	- 21	21		
- 5/32	5/32	- 10	10	- 10	10	- 10	10	- 10	10	- 22	22		
- 3/16	3/16	- 11	11	- 11	11	- 11	11	- 11	11	- 23	23		
- 7/32	7/32	- 12	12	- 12	12	- 12	12	- 12	12	- 24	24		
- 1/4	1/4	- 13	13	- 13	13	- 13	13	- 13	13	- 25	25		
- 9/32	9/32	INCHES		- 14	14	- 14	14	- 14	14	- 26	26		
WEIGHT(KGS)		08320 - 1/8	1/8	- 15	15	- 15	15	INCHES		08340 - 1/8	1/8	08340 - 1/2	1/2
0.01		- 5/32	5/32	- 16	16	- 16	16	08340 - 1/8	1/8	- 5/32	5/32	- 17/32	17/32
		- 3/16	3/16	INCHES		- 17	17	- 5/32	5/32	- 3/16	3/16	- 9/16	9/16
		- 7/32	7/32	08325 - 1/8	1/8	- 18	18	- 7/32	7/32	- 7/32	7/32	- 19/32	19/32
		- 1/4	1/4	- 5/32	5/32	- 19	19	- 1/4	1/4	- 1/4	1/4	- 5/8	5/8
		- 9/32	9/32	- 3/16	3/16	- 20	20	- 9/32	9/32	- 9/32	9/32	- 21/32	21/32
		- 5/16	5/16	- 7/32	7/32	INCHES		- 5/16	5/16	- 5/16	5/16	- 11/16	11/16
		- 11/32	11/32	- 1/4	1/4	08332 - 1/8	1/8	- 11/32	11/32	- 11/32	11/32	- 23/32	23/32
		- 3/8	3/8	- 9/32	9/32	- 5/32	5/32	- 3/8	3/8	- 3/8	3/8	- 3/4	3/4
		- 13/32	13/32	- 5/16	5/16	- 3/16	3/16	- 13/32	13/32	- 13/32	13/32	- 7/8	7/8
		- 7/16	7/16	- 11/32	11/32	- 7/32	7/32	- 7/16	7/16	- 7/16	7/16	- 1	1
		- 15/32	15/32	- 3/8	3/8	- 1/4	1/4	- 15/32	15/32	- 15/32	15/32		
		- 1/2	1/2	- 13/32	13/32	- 9/32	9/32						
INCHES		WEIGHT(KGS)		- 7/16	7/16	- 5/16	5/16			WEIGHT(KGS)			
08316 - 1/8	1/8	0.04		- 15/32	15/32	- 11/32	11/32			0.25			
- 5/32	5/32			- 1/2	1/2	- 3/8	3/8						
- 3/16	3/16			- 17/32	17/32	- 13/32	13/32						
- 7/32	7/32			- 9/16	9/16	- 7/16	7/16						
- 1/4	1/4			- 19/32	19/32	- 15/32	15/32						
- 9/32	9/32			- 5/8	5/8	- 1/2	1/2						
- 5/16	5/16			WEIGHT(KGS)		- 17/32	17/32						
- 11/32	11/32			0.06		- 9/16	9/16						
- 3/8	3/8					- 19/32	19/32						
- 13/32	13/32					- 5/8	5/8						
WEIGHT(KGS)						- 21/32	21/32						
0.03						- 11/16	11/16						
						- 23/32	23/32						
						- 3/4	3/4						
						WEIGHT(KGS)							
						0.1							

Features:

- ▶ Used for coolant-through cutting tools.
- ▶ The design is to use O-rings to seal and achieve coolant through tools.
- ▶ Water pressure up to 50 kgf/cm².
- ▶ Patent-owned.



ER COOLANT COLLET FID TYPE

ER - FID 出水筒夾

(DIN ISO 15488)



T W PAT NO. M362073

ER16 - FID		ER25 - FID		ER32 - FID		ER40 - FID			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
202.126.16.03	3	202.126.25.03	3	202.126.32.03	3	202.126.40.04	4	202.126.40.16	16
.04	4	.04	4	.04	4	.05	5	.17	17
.05	5	.05	5	.05	5	.06	6	.18	18
.06	6	.06	6	.06	6	.07	7	.19	19
.07	7	.07	7	.07	7	.08	8	.20	20
INCHES		.08	8	.08	8	.09	9	.21	21
202.126.16.1/8	1/8	.09	9	.09	9	.10	10	.22	22
.5/32	5/32	.10	10	.10	10	.11	11	.23	23
.3/16	3/16	.11	11	.11	11	.12	12	.24	24
.7/32	7/32	.12	12	.12	12	.13	13	.25	25
.1/4	1/4	.13	13	.13	13	.14	14	.26	26
.9/32	9/32	.14	14	.14	14	.15	15		
.5/16	5/16	INCHES		.15	15	INCHES			
WEIGHT(KGS)		202.126.25.1/8	1/8	.16	16	202.126.40.5/32	5/32	202.126.40.1/2	1/2
0.03		.5/32	5/32	.17	17	.3/16	3/16	.17/32	17/32
		.3/16	3/16	.18	18	.7/32	7/32	.9/16	9/16
		.7/32	7/32	.19	19	.1/4	1/4	.19/32	19/32
		.1/4	1/4	.20	20	.9/32	9/32	.5/8	5/8
		.9/32	9/32	INCHES		.5/16	5/16	.21/32	21/32
		.5/16	5/16	202.126.32.1/8	1/8	.11/32	11/32	.11/16	11/16
		.11/32	11/32	.5/32	5/32	.3/8	3/8	.23/32	23/32
		.3/8	3/8	.3/16	3/16	.13/32	13/32	.3/4	3/4
		.13/32	13/32	.7/32	7/32	.7/16	7/16	.7/8	7/8
		.7/16	7/16	.1/4	1/4	.15/32	15/32	.1	1
		.15/32	15/32	.9/32	9/32	WEIGHT(KGS)			
		.1/2	1/2	.5/16	5/16	0.25			
		.17/32	17/32	.11/32	11/32				
		.9/16	9/16	.3/8	3/8				
		WEIGHT(KGS)		.13/32	13/32				
		0.06		.7/16	7/16				
				.15/32	15/32				
				.1/2	1/2				
				.17/32	17/32				
				.9/16	9/16				
				.19/32	19/32				
				.5/8	5/8				
				.21/32	21/32				
				.11/16	11/16				
				.23/32	23/32				
				.3/4	3/4				
				WEIGHT(KGS)					
				0.1					

Features: ▶ The design of coolant grooves is good for cooling and metal chips removal, extending tool life.
▶ Water pressure up to 50kgf/cm². ▶ Used for cutting tools without coolant holes.



ER COOLANT COLLET FOD TYPE

ER - FOD 出水筒夾

(DIN ISO 15488)



T W PAT NO. M337439
C N PAT NO. ZL200720007536.1
C N PAT NO. ZL200820102788.7

ER16 - FOD	
MODEL NO.	SIZE
202.127.16.03	3
.04	4
.05	5
.06	6
.07	7

INCHES

202.127.16.1/8	1/8
.5/32	5/32
.3/16	3/16
.7/32	7/32
.1/4	1/4
.9/32	9/32
.5/16	5/16

WEIGHT(KGS)

0.03

ER20 - FOD	
MODEL NO.	SIZE
202.127.20.03	3
.04	4
.05	5
.06	6
.07	7
.08	8
.09	9

INCHES

202.127.20.1/8	1/8
.5/32	5/32
.3/16	3/16
.7/32	7/32
.1/4	1/4
.9/32	9/32
.5/16	5/16
.11/32	11/32
.3/8	3/8

WEIGHT(KGS)

0.04

ER25 - FOD	
MODEL NO.	SIZE
202.127.25.03	3
.04	4
.05	5
.06	6
.07	7
.08	8
.09	9
.10	10
.11	11
.12	12
.13	13
.14	14

INCHES

202.127.25.1/8	1/8
.5/32	5/32
.3/16	3/16
.7/32	7/32
.1/4	1/4
.9/32	9/32
.5/16	5/16
.11/32	11/32
.3/8	3/8
.13/32	13/32
.7/16	7/16
.15/32	15/32
.1/2	1/2
.17/32	17/32
.9/16	9/16

WEIGHT(KGS)

0.06

ER32 - FOD	
MODEL NO.	SIZE
202.127.32.03	3
.04	4
.05	5
.06	6
.07	7
.08	8
.09	9
.10	10
.11	11
.12	12
.13	13
.14	14
.15	15
.16	16
.17	17
.18	18
.19	19
.20	20

INCHES

202.127.32.1/8	1/8
.5/32	5/32
.3/16	3/16
.7/32	7/32
.1/4	1/4
.9/32	9/32
.5/16	5/16
.11/32	11/32
.3/8	3/8
.13/32	13/32
.7/16	7/16
.15/32	15/32
.1/2	1/2
.17/32	17/32
.9/16	9/16
.5/8	5/8
.21/32	21/32
.11/16	11/16
.23/32	23/32
.3/4	3/4

WEIGHT(KGS)

0.1

ER40 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
202.127.40.04	4	202.127.40.16	16
.05	5	.17	17
.06	6	.18	18
.07	7	.19	19
.08	8	.20	20
.09	9	.21	21
.10	10	.22	22
.11	11	.23	23
.12	12	.24	24
.13	13	.25	25
.14	14	.26	26
.15	15		

INCHES

202.127.40.5/32	5/32	202.127.40.1/2	1/2
.3/16	3/16	.17/32	17/32
.7/32	7/32	.9/16	9/16
.1/4	1/4	.19/32	19/32
.9/32	9/32	.5/8	5/8
.5/16	5/16	.21/32	21/32
.11/32	11/32	.11/16	11/16
.3/8	3/8	.23/32	23/32
.13/32	13/32	.3/4	3/4
.7/16	7/16	.7/8	7/8
.15/32	15/32	.1	1

WEIGHT(KGS)

0.25

ER50 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
202.127.50.06	6	202.127.50.21	21
.07	7	.22	22
.08	8	.23	23
.09	9	.24	24
.10	10	.25	25
.11	11	.26	26
.12	12	.27	27
.13	13	.28	28
.14	14	.29	29
.15	15	.30	30
.16	16	.31	31
.17	17	.32	32
.18	18	.33	33
.19	19	.34	34
.20	20		

INCHES

202.127.50.1/4	1/4	202.127.50.5/8	5/8
.9/32	9/32	.21/32	21/32
.5/16	5/16	.11/16	11/16
.11/32	11/32	.23/32	23/32
.3/8	3/8	.3/4	3/4
.13/32	13/32	.7/8	7/8
.7/16	7/16	.1	1
.15/32	15/32	.1-1/16	1-1/16
.1/2	1/2	.1-1/8	1-1/8
.17/32	17/32	.1-3/16	1-3/16
.9/16	9/16	.1-1/4	1-1/4
.19/32	19/32	.1-5/16	1-5/16

WEIGHT(KGS)

0.45

Features:

- ▶ The design of coolant holes is good for cooling and metal chips removal, extending tool life.
- ▶ Water pressure up to 50kgf/cm².
- ▶ Used for cutting tools without coolant holes.



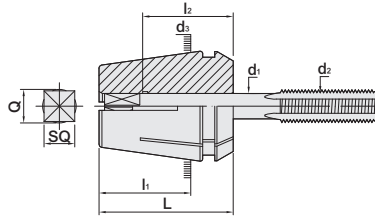
ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M148435
T W PAT NO. M333253
C H PAT NO. 693702
C N PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

ER - TC16

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05322	2.24	2	M3	1.8	18	ISO-529	05342	6	5.09	M5	4.9	18	DIN-352
05324	2.5	2.2	M3.5	2.1	18	DIN-376	05342	6	5.09	M5	4.9	18	DIN-371
05324	2.5	2.2	M3.5	2	18	ISO-529	05342	6	5.09	M6	4.5	18	JIS
05326	2.8	2.6	M4	2.1	18	DIN-376	05342	6	5.09	M6	4.9	18	DIN-352
05328	3.15	2.9	M3	2.5	18	ISO-529	05342	6	5.09	M6	4.9	18	DIN-371
05328	3.15	2.9	M4	2.5	18	ISO-529	05342	6	5.09	M8	4.9	18	DIN-352
05330	3.5	3.3	M3	2.7	18	DIN-352	05342	6	5.09	M8	4.9	18	DIN-376
05330	3.5	3.3	M3	2.7	18	DIN-371	05344	6.2	5.21	M7	5	18	JIS
05332	3.55	3.3	M3.5	2.8	18	ISO-529	05344	6.2	5.21	M8	5	18	JIS
05332	3.55	3.3	M4.5	2.8	18	ISO-529	05346	6.3	5.21	M6	5	18	ISO-529
05334	4	3.8	M3	3.2	18	JIS	05346	6.3	5.21	M8	5	18	ISO-529
05334	4	3.8	M3.5	3	18	DIN-352	05348	7	5.84	M9	5.5	18	JIS
05334	4	3.8	M3.5	3	18	DIN-371	05348	7	5.84	M10	5.5	18	JIS
05334	4	3.8	M4	3.15	18	ISO-529	05348	7	5.84	M10	5.5	18	DIN-352
05334	4	3.8	M5	3.15	18	ISO-529	05348	7	5.84	M10	5.5	18	DIN-376
05336	4.5	4.0	M4	3.4	18	DIN-352	05350	8	6.88	M8	6.2	22	DIN-371
05336	4.5	4	M4	3.4	18	DIN-371	05350	8	6.88	M8	6.3	22	ISO-529
05336	4.5	4	M6	3.4	18	DIN-376	05350	8	6.88	M10	6.3	22	ISO-529
05336	4.5	4	M6	3.55	18	ISO-529	05350	8	6.88	M11	6	22	JIS
05338	5	4.7	M4	4	18	JIS	05352	8.5	7.14	M12	6.5	22	JIS
05338	5	4.7	M4.5	4	18	JIS	05354	9	7.95	M12	7	22	DIN-352
05338	5	4.7	M5	4	18	ISO-529	05354	9	7.95	M12	7	22	DIN-376
05340	5.5	4.73	M5	4.5	18	JIS	05354	9	7.95	M12	7.1	22	ISO-529
05340	5.5	4.73	M5.5	4.5	18	JIS	05356	10	9.16	M10	8	22	DIN-371
							05356	10	9.16	M10	8	22	ISO-529

INCHES

05320 - 168	0.168	0.151	5/32	0.131	0.709	-	05320 - 220	0.220	0.198	7/32	0.165	0.709	-
05320 - 194	0.194	0.180	3/16	0.152	0.709	-	05320 - 255	0.255	0.198	1/4	0.191	0.709	-

ER - TC20

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05412	2.24	2	M3	1.8	18	ISO-529	05434	6	5.09	M8	4.9	18	DIN-352
05416	2.5	2.2	M3.5	2.1	18	DIN-376	05434	6	5.09	M8	4.9	18	DIN-376
05416	2.5	2.2	M3.5	2	18	ISO-529	05436	6.2	5.21	M7	5	18	JIS
05418	2.8	2.6	M4	2.1	18	DIN-376	05436	6.2	5.21	M8	5	18	JIS
05420	3.15	2.9	M3	2.5	18	ISO-529	05438	6.3	5.21	M6	5	18	ISO-529
05420	3.15	2.9	M4	2.5	18	ISO-529	05438	6.3	5.21	M8	5	18	ISO-529
05422	3.5	3.3	M3	2.7	18	DIN-352	05440	7	5.84	M9	5.5	18	JIS
05422	3.5	3.3	M3	2.7	18	DIN-371	05440	7	5.84	M10	5.5	18	JIS
05422	3.5	3.3	M5	2.7	18	DIN-376	05440	7	5.84	M10	5.5	18	DIN-352
05424	3.55	3.3	M3.5	2.8	18	ISO-529	05440	7	5.84	M10	5.5	18	DIN-376
05424	3.55	3.3	M4.5	2.8	18	ISO-529	05442	8	6.88	M8	6.2	22	DIN-371
05426	4	3.8	M3	3.2	18	JIS	05442	8	6.88	M8	6.3	22	ISO-529
05426	4	3.8	M3.5	3	18	DIN-352	05442	8	6.88	M10	6.3	22	ISO-529
05426	4	3.8	M3.5	3	18	DIN-371	05442	8	6.88	M11	6	22	JIS
05426	4	3.8	M4	3.15	18	ISO-529	05444	8.5	7.14	M12	6.5	22	JIS
05426	4	3.8	M5	3.15	18	ISO-529	05446	9	7.95	M12	7	22	DIN-352
05428	4.5	4.0	M4	3.4	18	DIN-352	05446	9	7.95	M12	7	22	DIN-376
05428	4.5	4.0	M4	3.4	18	DIN-371	05446	9	7.95	M12	7.1	22	ISO-529
05428	4.5	4.0	M6	3.4	18	DIN-376	05448	10	9.16	M10	8	22	DIN-371
05428	4.5	4.0	M6	3.55	18	ISO-529	05448	10	9.16	M10	8	22	ISO-529
05430	5	4.7	M4	4	18	JIS	05450	10.5	9.16	M14	8	25	JIS
05430	5	4.7	M4.5	4	18	JIS	05450	10.5	9.16	M15	8	25	JIS
05430	5	4.7	M5	4	18	ISO-529	05452	11	10.53	M14	9	25	DIN-352
05432	5.5	4.73	M5	4.5	18	JIS	05452	11	10.53	M14	9	25	DIN-376
05432	5.5	4.73	M5.5	4.5	18	JIS	05454	11.2	10.53	M14	9	25	ISO-529
05434	6	5.09	M5	4.9	18	DIN-352	05456	12	10.53	M16	9	25	DIN-352
05434	6	5.09	M5	4.9	18	DIN-371	05456	12	10.53	M16	9	25	DIN-376
05434	6	5.09	M6	4.5	18	JIS	05458	12.5	11.91	M16	10	25	JIS
05434	6	5.09	M6	4.9	18	DIN-352	05458	12.5	11.91	M16	10	25	ISO-529
05434	6	5.09	M6	4.9	18	DIN-371	05460	13	11.91	M17	10	25	JIS

INCHES

05410 - 168	0.168	0.151	5/32	0.131	0.709	-	05410 - 323	0.323	0.263	7/16	0.242	0.866	-
05410 - 194	0.194	0.180	3/16	0.152	0.709	-	05410 - 367	0.367	0.307	1/2	0.275	0.866	-
05410 - 220	0.220	0.198	7/32	0.165	0.709	-	05410 - 381	0.381	0.321	3/8	0.286	0.866	-
05410 - 255	0.255	0.198	1/4	0.191	0.709	-	05410 - 429	0.429	0.37	9/16	0.322	0.984	-
05410 - 318	0.318	0.258	5/16	0.238	0.866	-							



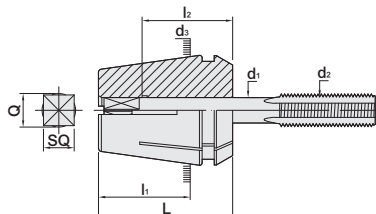
ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



台灣精品 2007
TAIWAN EXCELLENCE



T W PAT NO. M148435
T W PAT NO. M333253
C H PAT NO. 693702
C N PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

ER - TC25

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05512	2.24	2	M3	1.8	18	ISO-529	05538	6.3	5.21	M8	5	18	ISO-529
05514	2.5	2.2	M3.5	2.1	18	DIN-376	05540	7	5.84	M9	5.5	18	JIS
05514	2.5	2.2	M3.5	2	18	ISO-529	05540	7	5.84	M10	5.5	18	JIS
05516	2.8	2.6	M4	2.1	18	DIN-376	05540	7	5.84	M10	5.5	18	DIN-352
05518	3.15	2.9	M3	2.5	18	ISO-529	05540	7	5.84	M10	5.5	18	DIN-376
05518	3.15	2.9	M4	2.5	18	ISO-529	05542	8	6.88	M8	6.2	22	DIN-371
05520	3.5	3.3	M3	2.7	18	DIN-352	05542	8	6.88	M8	6.3	22	ISO-529
05520	3.5	3.3	M3	2.7	18	DIN-371	05542	8	6.88	M10	6.3	22	ISO-529
05520	3.5	3.3	M5	2.7	18	DIN-376	05542	8	6.88	M11	6	22	JIS
05522	3.55	3.3	M3.5	2.8	18	ISO-529	05546	8.5	7.14	M12	6.5	22	JIS
05522	3.55	3.3	M4.5	2.8	18	ISO-529	05548	9	7.95	M12	7	22	DIN-352
05524	4	3.8	M3	3.2	18	JIS	05548	9	7.95	M12	7	22	DIN-376
05524	4	3.8	M3.5	3	18	DIN-352	05548	9	7.95	M12	7.1	22	ISO-529
05524	4	3.8	M3.5	3	18	DIN-371	05550	10	9.16	M10	8	22	DIN-371
05524	4	3.8	M4	3.15	18	ISO-529	05550	10	9.16	M10	8	22	ISO-529
05524	4	3.8	M5	3.15	18	ISO-529	05552	10.5	9.16	M14	8	25	JIS
05526	4.5	4.0	M4	3.4	18	DIN-352	05552	10.5	9.16	M15	8	25	JIS
05526	4.5	4.0	M4	3.4	18	DIN-371	05554	11	10.53	M14	9	25	DIN-352
05526	4.5	4.0	M6	3.4	18	DIN-376	05554	11	10.53	M14	9	25	DIN-376
05526	4.5	4.0	M6	3.55	18	ISO-529	05556	11.2	10.53	M14	9	25	ISO-529
05530	5	4.7	M4	4	18	JIS	05558	12	10.53	M16	9	25	DIN-352
05530	5	4.7	M4.5	4	18	JIS	05558	12	10.53	M16	9	25	DIN-376
05530	5	4.7	M5	4	18	ISO-529	05560	12.5	11.91	M16	10	25	JIS
05532	5.5	4.73	M5	4.5	18	JIS	05560	12.5	11.91	M16	10	25	ISO-529
05532	5.5	4.73	M5.5	4.5	18	JIS	05562	13	11.91	M17	10	25	JIS
05534	6	5.09	M5	4.9	18	DIN-352	05564	14	12.97	M18	11	25	JIS
05534	6	5.09	M5	4.9	18	DIN-371	05564	14	12.97	M18	11	25	DIN-352
05534	6	5.09	M6	4.5	18	JIS	05564	14	12.97	M18	11	25	DIN-376
05534	6	5.09	M6	4.9	18	DIN-352	05564	14	12.97	M18	11.2	25	ISO-529
05534	6	5.09	M6	4.9	18	DIN-371	05564	14	12.97	M20	11.2	25	ISO-529
05534	6	5.09	M8	4.9	18	DIN-352	05566	15	14.06	M20	12	25	JIS
05534	6	5.09	M8	4.9	18	DIN-376	05568	16	14.8	M20	12	25	DIN-352
05536	6.2	5.21	M7	5	18	JIS	05568	16	14.8	M20	12	25	DIN-376
05536	6.2	5.21	M8	5	18	JIS	05568	16	14.8	M22	12.5	25	ISO-529
05538	6.3	5.21	M6	5	18	ISO-529							

INCHES

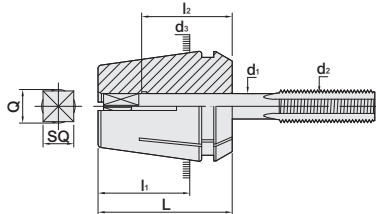
05510 - 168	0.168	0.151	5/32	0.131	0.709	-	05510 - 367	0.367	0.307	1/2	0.275	0.866	-
05510 - 194	0.194	0.180	3/16	0.152	0.709	-	05510 - 381	0.381	0.321	3/8	0.286	0.866	-
05510 - 220	0.220	0.198	7/32	0.165	0.709	-	05510 - 429	0.429	0.370	9/16	0.322	0.984	-
05510 - 255	0.255	0.198	1/4	0.191	0.709	-	05510 - 437	0.437	0.378	1/8 PT	0.328	0.984	-
05510 - 318	0.318	0.258	5/16	0.238	0.866	-	05510 - 480	0.480	0.422	5/8	0.360	0.984	-
05510 - 323	0.323	0.263	7/16	0.242	0.866	-							



ER - TC RIGID TAP COLLET



台灣精品 2007
TAIWAN EXCELLENCE



ER 鋼性攻牙筒夾

(DIN ISO 15488)

T W PAT NO. M148435
T W PAT NO. M333253
C H PAT NO. 693702
C N PAT NO. ZL200820102787.2

ER - TC32
METRIC

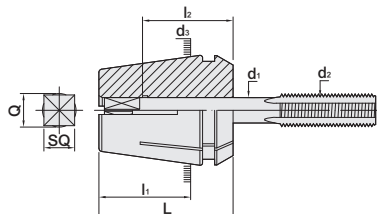
TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05572	2.24	2	M3	1.8	18	ISO-529	05598	7	5.84	M10	5.5	18	DIN-376
05574	2.5	2.2	M3.5	2.1	18	DIN-376	05600	8	6.88	M8	6.2	22	DIN-371
05574	2.5	2.2	M3.5	2	18	ISO-529	05600	8	6.88	M8	6.3	22	ISO-529
05576	2.8	2.6	M4	2.1	18	DIN-376	05600	8	6.88	M10	6.3	22	ISO-529
05578	3.15	2.9	M3	2.5	18	ISO-529	05600	8	6.88	M11	6	22	JIS
05578	3.15	2.9	M4	2.5	18	ISO-529	05602	8.5	7.14	M12	6.5	22	JIS
05580	3.5	3.3	M3	2.7	18	DIN-352	05604	9	7.95	M12	7	22	DIN-352
05580	3.5	3.3	M3	2.7	18	DIN-371	05604	9	7.95	M12	7	22	DIN-376
05580	3.5	3.3	M5	2.7	18	DIN-376	05604	9	7.95	M12	7.1	22	ISO-529
05582	3.55	3.3	M3.5	2.8	18	ISO-529	05606	10	9.16	M10	8	22	DIN-371
05582	3.55	3.3	M4.5	2.8	18	ISO-529	05606	10	9.16	M10	8	22	ISO-529
05584	4	3.8	M3	3.2	18	JIS	05608	10.5	9.16	M14	8	25	JIS
05584	4	3.8	M3.5	3	18	DIN-352	05608	10.5	9.16	M15	8	25	JIS
05584	4	3.8	M3.5	3	18	DIN-371	05610	11	10.53	M14	9	25	DIN-352
05584	4	3.8	M4	3.15	18	ISO-529	05610	11	10.53	M14	9	25	DIN-376
05584	4	3.8	M5	3.15	18	ISO-529	05612	11.2	10.53	M14	9	25	ISO-529
05586	4.5	4.0	M4	3.4	18	DIN-352	05614	12	10.53	M16	9	25	DIN-352
05586	4.5	4.0	M4	3.4	18	DIN-371	05614	12	10.53	M16	9	25	DIN-376
05586	4.5	4.0	M6	3.4	18	DIN-376	05616	12.5	11.91	M16	10	25	JIS
05586	4.5	4.0	M6	3.55	18	ISO-529	05616	12.5	11.91	M16	10	25	ISO-529
05588	5	4.7	M4	4	18	JIS	05618	13	11.91	M17	10	25	JIS
05588	5	4.7	M4.5	4	18	JIS	05620	14	12.97	M18	11	25	JIS
05588	5	4.7	M5	4	18	ISO-529	05620	14	12.97	M18	11	25	DIN-352
05590	5.5	4.73	M5	4.5	18	JIS	05620	14	12.97	M18	11	25	DIN-376
05590	5.5	4.73	M5.5	4.5	18	JIS	05620	14	12.97	M18	11.2	25	ISO-529
05592	6	5.09	M5	4.9	18	DIN-352	05620	14	12.97	M20	11.2	25	ISO-529
05592	6	5.09	M5	4.9	18	DIN-371	05622	15	14.06	M20	12	25	JIS
05592	6	5.09	M6	4.5	18	JIS	05624	16	14.8	M20	12	25	DIN-352
05592	6	5.09	M6	4.9	18	DIN-352	05624	16	14.8	M20	12	25	DIN-376
05592	6	5.09	M6	4.9	18	DIN-371	05624	16	14.8	M22	12.5	25	ISO-529
05592	6	5.09	M8	4.9	18	DIN-352	05626	17	15.44	M22	13	28	JIS
05592	6	5.09	M8	4.9	18	DIN-376	05628	18	17.52	M22	14.5	28	DIN-352
05594	6.2	5.21	M7	5	18	JIS	05628	18	17.52	M22	14.5	28	DIN-376
05594	6.2	5.21	M8	5	18	JIS	05628	18	17.52	M24	14.5	28	DIN-352
05596	6.3	5.21	M6	5	18	ISO-529	05628	18	17.52	M24	14.5	28	DIN-376
05596	6.3	5.21	M8	5	18	ISO-529	05628	18	17.52	M24	14	28	ISO-529
05598	7	5.84	M9	5.5	18	JIS	05630	19	18.22	M24	15	28	JIS
05598	7	5.84	M10	5.5	18	JIS	05630	19	18.22	M25	15	28	JIS
05598	7	5.84	M10	5.5	18	DIN-352	05632	20	19.61	M26	15	28	JIS
05598	7	5.84	M10	5.5	18	DIN-352	05632	20	19.61	M27	15	28	JIS

ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



TW PAT NO. M148435
 TW PAT NO. M333253
 CH PAT NO. 693702
 CN PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

ER - TC32 INCHES

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂
05570 - 168	0.168	0.151	5/32	0.131	0.709	05570 - 429	0.429"	0.370"	9/16	0.322"	0.984
- 194	0.194	0.180	3/16	0.152	0.709	- 437	0.437"	0.378"	1/8 PT	0.328"	1.102
- 220	0.220	0.198	7/32	0.165	0.709	- 480	0.480"	0.422"	5/8	0.360"	1.102
- 255	0.255	0.198	1/4	0.191	0.709	- 542	0.542"	0.486"	11/16	0.406"	1.102
- 318	0.318	0.258	5/16	0.238	0.866	- 562	0.562"	0.483"	1/4 PT	0.421"	1.102
- 323	0.323	0.263	7/16	0.242	0.866	- 590	0.590"	0.512"	3/4	0.442"	1.102
- 367	0.367	0.307	1/2	0.275	0.866	- 652	0.652"	0.576"	13/16	0.489"	1.102
- 381	0.381	0.321	3/8	0.286	0.866						

МАШСЕРВИС

Features:

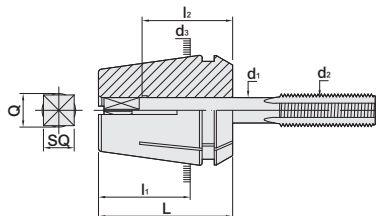
- ▶ To clamp a tap by the slots size differential.
- ▶ This product is workable as long as d₁ size (shank dia. of tap) matches collet ID (patented design).
- ▶ When making an order, please inform collet type and the size of d₁ (shank dia. of tap).



ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



T W PAT NO. M148435
 T W PAT NO. M333253
 C H PAT NO. 693702
 C N PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.03
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.10
ER 40	40	46	31.34	M3 ~ M27	0.25
ER 50	50	60	38.9	M10 ~ M33	0.45

ER - TC40

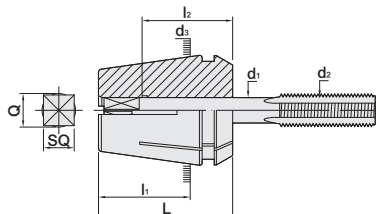
MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05712	2.24	2	M3	1.8	18	ISO-529	05738	7	5.84	M10	5.5	18	DIN-376
05714	2.5	2.2	M3.5	2.1	18	DIN-376	05740	8	6.88	M8	6.2	22	DIN-371
05714	2.5	2.2	M3.5	2	18	ISO-529	05740	8	6.88	M8	6.3	22	ISO-529
05716	2.8	2.6	M4	2.1	18	DIN-376	05740	8	6.88	M10	6.3	22	ISO-529
05718	3.15	2.9	M3	2.5	18	ISO-529	05740	8	6.88	M11	6	22	JIS
05718	3.15	2.9	M4	2.5	18	ISO-529	05742	8.5	7.14	M12	6.5	22	JIS
05720	3.5	3.3	M3	2.7	18	DIN-352	05744	9	7.95	M12	7	22	DIN-352
05720	3.5	3.3	M3	2.7	18	DIN-371	05744	9	7.95	M12	7	22	DIN-376
05720	3.5	3.3	M5	2.7	18	DIN-376	05744	9	7.95	M12	7.1	22	ISO-529
05722	3.55	3.3	M3.5	2.8	18	ISO-529	05746	10	9.16	M10	8	22	DIN-371
05722	3.55	3.3	M4.5	2.8	18	ISO-529	05746	10	9.16	M10	8	22	ISO-529
05724	4	3.8	M3	3.2	18	JIS	05748	10.5	9.16	M14	8	25	JIS
05724	4	3.8	M3.5	3	18	DIN-352	05748	10.5	9.16	M15	8	25	JIS
05724	4	3.8	M3.5	3	18	DIN-371	05750	11	10.53	M14	9	25	DIN-352
05724	4	3.8	M4	3.15	18	ISO-529	05750	11	10.53	M14	9	25	DIN-376
05724	4	3.8	M5	3.15	18	ISO-529	05752	11.2	10.53	M14	9	25	ISO-529
05726	4.5	4	M4	3.4	18	DIN-352	05754	12	10.53	M16	9	25	DIN-352
05726	4.5	4	M4	3.4	18	DIN-371	05754	12	10.53	M16	9	25	DIN-376
05726	4.5	4	M6	3.4	18	DIN-376	05756	12.5	11.91	M16	10	25	JIS
05726	4.5	4	M6	3.55	18	ISO-529	05756	12.5	11.91	M16	10	25	ISO-529
05728	5	4.7	M4	4	18	JIS	05758	13	11.91	M17	10	25	JIS
05728	5	4.7	M4.5	4	18	JIS	05760	14	12.97	M18	11	25	JIS
05728	5	4.7	M5	4	18	ISO-529	05760	14	12.97	M18	11	25	DIN-352
05730	5.5	4.73	M5	4.5	18	JIS	05760	14	12.97	M18	11	25	DIN-376
05730	5.5	4.73	M5.5	4.5	18	JIS	05760	14	12.97	M18	11.2	25	ISO-529
05732	6	5.09	M5	4.9	18	DIN-352	05760	14	12.97	M20	11.2	25	ISO-529
05732	6	5.09	M5	4.9	18	DIN-371	05762	15	14.06	M20	12	25	JIS
05732	6	5.09	M6	4.5	18	JIS	05764	16	14.8	M20	12	25	DIN-352
05732	6	5.09	M6	4.9	18	DIN-352	05764	16	14.8	M20	12	25	DIN-376
05732	6	5.09	M6	4.9	18	DIN-371	05764	16	14.8	M22	12.5	25	ISO-529
05732	6	5.09	M8	4.9	18	DIN-352	05766	17	15.44	M22	13	28	JIS
05732	6	5.09	M8	4.9	18	DIN-376	05768	18	17.52	M22	14.5	28	DIN-352
05734	6.2	5.21	M7	5	18	JIS	05768	18	17.52	M22	14.5	28	DIN-376
05734	6.2	5.21	M8	5	18	JIS	05768	18	17.52	M24	14.5	28	DIN-352
05736	6.3	5.21	M6	5	18	ISO-529	05768	18	17.52	M24	14.5	28	DIN-376
05736	6.3	5.21	M8	5	18	ISO-529	05768	18	17.52	M24	14	28	ISO-529
05738	7	5.84	M9	5.5	18	JIS	05770	19	18.22	M24	15	28	JIS
05738	7	5.84	M10	5.5	18	JIS	05770	19	18.22	M25	15	28	JIS
05738	7	5.84	M10	5.5	18	DIN-352	05772	20	19.61	M26	15	28	JIS
05738	7	5.84	M10	5.5	18	DIN-352	05772	20	19.61	M27	15	28	JIS



ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



T W PAT NO. M148435
 T W PAT NO. M333253
 C H PAT NO. 693702
 C N PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.03
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.10
ER 40	40	46	31.34	M3 ~ M27	0.25
ER 50	50	60	38.9	M10 ~ M33	0.45

ER - TC40 INCHES

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂
05710 - 255	0.255"	0.198"	1/4	0.191"	0.709	05710 - 562	0.562"	0.483"	1/4 PT	0.421"	0.984
- 318	0.318"	0.258"	5/16	0.238"	0.866	- 590	0.590"	0.512"	3/4	0.442"	0.984
- 323	0.323"	0.263"	7/16	0.242"	0.866	- 652	0.652"	0.576"	13/16	0.489"	0.984
- 367	0.367"	0.307"	1/2	0.275"	0.866	- 687	0.687"	0.612"	1/2 PT	0.515"	0.984
- 381	0.381"	0.321"	3/8	0.286"	0.866	- 697	0.697"	0.623"	7/8	0.523"	0.984
- 429	0.429"	0.370"	9/16	0.322"	0.984	- 700	0.700"	0.634"	3/8 PT	0.531"	0.984
- 437	0.437"	0.378"	1/8 PT	0.328"	0.984	- 760	0.760"	0.689"	15/16	0.570"	1.102
- 480	0.480"	0.422"	5/8	0.360"	0.984	- 800	0.800"	0.730"	1	0.600"	1.102
- 542	0.542"	0.486"	11/16	0.406"	0.984						

ER - TC50

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05780 - 7	7	5.84	M10	5.5	18	JIS	05780 - 14	14	12.97	M18	11	25	DIN-352
- 7	7	5.84	M10	5.5	18	DIN-352	- 14	14	12.97	M18	11	25	DIN-376
- 7	7	5.84	M10	5.5	18	DIN-376	- 14	14	12.97	M18	11.2	25	ISO-529
- 8	8	6.88	M8	6.2	22	DIN-371	- 14	14	12.97	M20	11.2	25	ISO-529
- 8	8	6.88	M8	6.3	22	ISO-529	- 15	15	14.06	M20	12	25	JIS
- 8	8	6.88	M10	6.3	22	ISO-529	- 16	16	14.8	M20	12	25	DIN-352
- 8	8	6.88	M11	6	22	JIS	- 16	16	14.8	M20	12	25	DIN-376
- 8.5	8.5	7.14	M12	6.5	22	JIS	- 16	16	14.8	M22	12.5	25	ISO-529
- 9	9	7.95	M12	7	22	DIN-352	- 17	17	15.44	M22	13	28	JIS
- 9	9	7.95	M12	7	22	DIN-376	- 18	18	17.52	M22	14.5	28	DIN-352
- 9	9	7.95	M12	7.1	22	ISO-529	- 18	18	17.52	M22	14.5	28	DIN-376
- 10	10	9.16	M10	8	22	DIN-371	- 18	18	17.52	M24	14.5	28	DIN-352
- 10	10	9.16	M10	8	22	ISO-529	- 18	18	17.52	M24	14.5	28	DIN-376
- 10.5	10.5	9.16	M14	8	25	JIS	- 18	18	17.52	M24	14	28	ISO-529
- 10.5	10.5	9.16	M15	8	25	JIS	- 19	19	18.22	M24	15	28	JIS
- 11	11	10.53	M14	9	25	DIN-352	- 19	19	18.22	M25	15	28	JIS
- 11	11	10.53	M14	9	25	DIN-376	- 20	20	19.61	M26	15	28	JIS
- 11.2	11.2	10.53	M14	9	25	ISO-529	- 20	20	19.61	M27	15	28	JIS
- 12	12	10.53	M16	9	25	DIN-352	- 21	21	20.5	M28	17	35	JIS
- 12	12	10.53	M16	9	25	DIN-376	- 23	23	20.5	M30	17	35	JIS
- 12.5	12.5	11.91	M16	10	25	JIS	- 24	24	23.4	M32	19	35	JIS
- 12.5	12.5	11.91	M16	10	25	ISO-529	- 25	25	23.4	M33	19	35	JIS
- 13	13	11.91	M17	10	25	JIS	- 25	25	23.4	M33	20	35	DIN-352
- 14	14	12.97	M18	11	25	JIS	- 25	25	23.4	M33	20	35	DIN-376

Features:

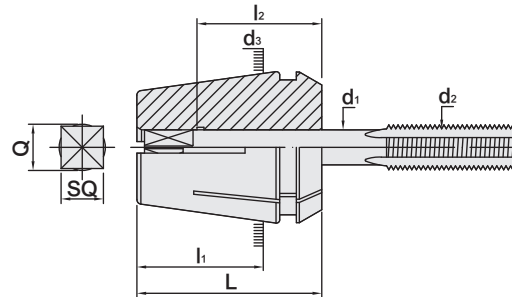
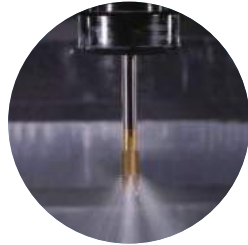
- ▶ To clamp a tap by the slots size differential.
- ▶ This product is workable as long as d₁ size (shank dia. of tap) matches collet ID (patented design).
- ▶ When making an order, please inform collet type and the size of d₁ (shank dia. of tap).



ER-TC RIGID TAP SEALED COLLET

ER 鋼性攻牙止水筒夾

(DIN ISO 15488)



T W PAT NO. M148435
T W PAT NO. M333253
C H PAT NO. 693702
C N PAT NO. ZL200820102787.2

MODEL NO.		TYPE		d ₃	L	l ₁	l ₂	CAPACITY			
254.16		ER - TCO16		16	27.5	17.5	18 ~ 22	M5 ~ M10			
254.20		ER - TCO20		20	31.5	20.7	18 ~ 25	M5 ~ M17			
254.25		ER - TCO25		25	34	23	18 ~ 25	M5 ~ M22			
254.32		ER - TCO32		32	40	27.34	18 ~ 28	M5 ~ M27			
254.40		ER - TCO40		40	46	31.34	18 ~ 28	M5 ~ M27			
d ₁	Q	d ₂	SQ	l ₂	STANDARD	d ₁	Q	d ₂	SQ	l ₂	STANDARD
6	5.09	M5	4.9	18	DIN-352	11	10.53	M14	9	25	DIN-376
6	5.09	M5	4.9	18	DIN-371	11.2	10.53	M14	9	25	ISO-529
6	5.09	M6	4.5	18	JIS	12	10.53	M16	9	25	DIN-352
6	5.09	M6	4.9	18	DIN-352	12	10.53	M16	9	25	DIN-376
6	5.09	M6	4.9	18	DIN-371	12.5	11.91	M16	10	25	JIS
6	5.09	M8	4.9	18	DIN-352	12.5	11.91	M16	10	25	ISO-529
6	5.09	M8	4.9	18	DIN-376	13	11.91	M17	10	25	JIS
6.2	5.21	M7	5	18	JIS	14	12.97	M18	11	25	JIS
6.2	5.21	M8	5	18	JIS	14	12.97	M18	11	25	DIN-352
6.3	5.21	M6	5	18	ISO-529	14	12.97	M18	11	25	DIN-376
6.3	5.21	M8	5	18	ISO-529	14	12.97	M18	11.2	25	ISO-529
7	5.84	M9	5.5	18	JIS	14	12.97	M20	11.2	25	ISO-529
7	5.84	M10	5.5	18	JIS	15	14.06	M20	12	25	JIS
7	5.84	M10	5.5	18	DIN-352	16	14.8	M20	12	25	DIN-352
7	5.84	M10	5.5	18	DIN-376	16	14.8	M20	12	25	DIN-376
8	6.88	M8	6.2	22	DIN-371	16	14.8	M22	12.5	25	ISO-529
8	6.88	M8	6.3	22	ISO-529	17	15.44	M22	13	28	JIS
8	6.88	M10	6.3	22	ISO-529	18	17.52	M22	14.5	28	DIN-352
8	6.88	M11	6	22	JIS	18	17.52	M22	14.5	28	DIN-376
8.5	7.14	M12	6.5	22	JIS	18	17.52	M24	14.5	28	DIN-352
9	7.95	M12	7	22	DIN-352	18	17.52	M24	14.5	28	DIN-376
9	7.95	M12	7	22	DIN-376	18	17.52	M24	14	28	ISO-529
9	7.95	M12	7.1	22	ISO-529	19	18.22	M24	15	28	JIS
10	9.16	M10	8	22	DIN-371	19	18.22	M25	15	28	JIS
10	9.16	M10	8	22	ISO-529	20	19.61	M26	15	28	JIS
10.5	9.16	M14	8	25	JIS	20	19.61	M27	15	28	JIS
10.5	9.16	M15	8	25	JIS	20	19.61	M27	16	28	DIN-376
11	10.53	M14	9	25	DIN-352	20	19.61	M27	16	28	DIN-529

INCHES

0.168	0.151	5/32	0.131	0.709	-	0.381	0.321	3/8	0.286	0.866	-
0.194	0.180	3/16	0.152	0.709	-	0.429	0.370	9/16	0.322	0.984	-
0.220	0.198	7/32	0.165	0.709	-	0.437	0.378	1/8 PT	0.328	0.984	-
0.255	0.198	1/4	0.191	0.709	-	0.480	0.422	5/8	0.360	0.984	-
0.318	0.258	5/16	0.238	0.866	-	0.562	0.483	1/4 PT	0.421	0.984	-
0.323	0.263	7/16	0.242	0.866	-	0.590	0.512	3/4	0.442	0.984	-
0.367	0.307	1/2	0.275	0.866	-	0.652	0.576	13/16	0.489	0.984	-

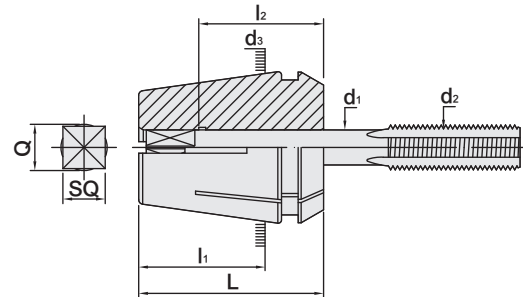
Features: ▶ Used for coolant-through taps. ▶ Water pressure up to 100kgf/cm²(1400PSI).
▶ When making an order, please inform collet type and d₁ size (shank dia. of tap).



ER-TC RIGID TAP COOLANT COLLET FOD TYPE

ER 鋼性攻牙出水筒夾 [FOD型]

(DIN ISO 15488)



T W PAT NO. M148435
T W PAT NO. M333253
C H PAT NO. 693702
C N PAT NO. ZL200820102787.2

MODEL NO.	TYPE	d ₃	L	l ₁	l ₂	CAPACITY
254.16B	ER - TC16	16	27.5	17.5	18 ~ 22	M5 ~ M10
254.20B	ER - TC20	20	31.5	20.7	18 ~ 25	M5 ~ M12
254.25B	ER - TC25	25	34	23	18 ~ 25	M5 ~ M20
254.32B	ER - TC32	32	40	27.34	18 ~ 28	M5 ~ M27
254.40B	ER - TC40	40	46	31.34	18 ~ 28	M5 ~ M27

d ₁	Q	d ₂	SQ	l ₂	STANDARD	d ₁	Q	d ₂	SQ	l ₂	STANDARD
6	5.09	M5	4.9	18	DIN-352	11	10.53	M14	9	25	DIN-376
6	5.09	M5	4.9	18	DIN-371	11.2	10.53	M14	9	25	ISO-529
6	5.09	M6	4.5	18	JIS	12	10.53	M16	9	25	DIN-352
6	5.09	M6	4.9	18	DIN-352	12	10.53	M16	9	25	DIN-376
6	5.09	M6	4.9	18	DIN-371	12.5	11.91	M16	10	25	JIS
6	5.09	M8	4.9	18	DIN-352	12.5	11.91	M16	10	25	ISO-529
6	5.09	M8	4.9	18	DIN-376	13	11.91	M17	10	25	JIS
6.2	5.21	M7	5	18	JIS	14	12.97	M18	11	25	JIS
6.2	5.21	M8	5	18	JIS	14	12.97	M18	11	25	DIN-352
6.3	5.21	M6	5	18	ISO-529	14	12.97	M18	11	25	DIN-376
6.3	5.21	M8	5	18	ISO-529	14	12.97	M18	11.2	25	ISO-529
7	5.84	M9	5.5	18	JIS	14	12.97	M20	11.2	25	ISO-529
7	5.84	M10	5.5	18	JIS	15	14.06	M20	12	25	JIS
7	5.84	M10	5.5	18	DIN-352	16	14.8	M20	12	25	DIN-352
7	5.84	M10	5.5	18	DIN-376	16	14.8	M20	12	25	DIN-376
8	6.88	M8	6.2	22	DIN-371	16	14.8	M22	12.5	25	ISO-529
8	6.88	M8	6.3	22	ISO-529	17	15.44	M22	13	28	JIS
8	6.88	M10	6.3	22	ISO-529	18	17.52	M22	14.5	28	DIN-352
8	6.88	M11	6	22	JIS	18	17.52	M22	14.5	28	DIN-376
8.5	7.14	M12	6.5	22	JIS	18	17.52	M24	14.5	28	DIN-352
9	7.95	M12	7	22	DIN-352	18	17.52	M24	14.5	28	DIN-376
9	7.95	M12	7	22	DIN-376	18	17.52	M24	14	28	ISO-529
9	7.95	M12	7.1	22	ISO-529	19	18.22	M24	15	28	JIS
10	9.16	M10	8	22	DIN-371	19	18.22	M25	15	28	JIS
10	9.16	M10	8	22	ISO-529	20	19.61	M26	15	28	JIS
10.5	9.16	M14	8	25	JIS	20	19.61	M27	15	28	JIS
10.5	9.16	M15	8	25	JIS	20	19.61	M27	16	28	DIN-376
11	10.53	M14	9	25	DIN-352	20	19.61	M27	16	28	DIN-529

INCHES

0.168	0.151	5/32	0.131	0.709	-	0.381	0.321	3/8	0.286	0.866	-
0.194	0.180	3/16	0.152	0.709	-	0.429	0.370	9/16	0.322	0.984	-
0.220	0.198	7/32	0.165	0.709	-	0.437	0.378	1/8 PT	0.328	0.984	-
0.255	0.198	1/4	0.191	0.709	-	0.480	0.422	5/8	0.360	0.984	-
0.318	0.258	5/16	0.238	0.866	-	0.562	0.483	1/4 PT	0.421	0.984	-
0.323	0.263	7/16	0.242	0.866	-	0.590	0.512	3/4	0.442	0.984	-
0.367	0.307	1/2	0.275	0.866	-	0.652	0.576	13/16	0.489	0.984	-

Features: ▶ Used for taps without coolant hole. ▶ Water pressure up to 100kgf/cm²(1400PSI).

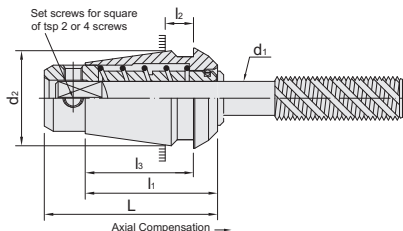
▶ When making an order, please inform collet type and d₁ size (shank dia. of tap).



ER FLOATING TAP COLLET

ER 伸縮攻牙筒夾

(DIN ISO 15488)



TYPE	L	l ₁	l ₂	l ₃	d ₂	WEIGHT (KGS)
FT 16	28.6	22	3	18	16	0.03
FT 20	31	24	5.85	18.85	20	0.05
FT 25	34	24.5	3	18.1	25	0.06
FT 32	43.3	31	7	25.5	32	0.10
FT 40	54	42	3	42	40	0.25

FT 16		FT 20		FT 25		FT 32		FT 40	
MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁
05916 - 1.4	1.4	05920 - 2.24	2.24	05925 - 2.5	2.5	05932 - 4.5	4.5	05940 - 6	6
- 1.6	1.6	- 2.5	2.5	- 2.8	2.8	- 5	5	- 6.2	6.2
- 1.8	1.8	- 2.8	2.8	- 3	3	- 5.5	5.5	- 6.3	6.3
- 2	2	- 3	3	- 3.15	3.15	- 5.6	5.6	- 7	7
- 2.24	2.24	- 3.15	3.15	- 3.5	3.5	- 6	6	- 7.1	7.1
- 2.5	2.5	- 3.5	3.5	- 3.55	3.55	- 6.2	6.2	- 8	8
- 2.8	2.8	- 3.55	3.55	- 4	4	- 6.3	6.3	- 8.5	8.5
- 3	3	- 4	4	- 4.5	4.5	- 7	7	- 9	9
- 3.15	3.15	- 4.5	4.5	- 5	5	- 7.1	7.1	- 10	10
- 3.5	3.5	- 5	5	- 5.5	5.5	- 8	8	- 10.5	10.5
- 3.55	3.55	- 5.5	5.5	- 5.6	5.6	- 8.5	8.5	- 11	11
- 4	4	- 5.6	5.6	- 6	6	- 9	9	- 11.2	11.2
- 4.5	4.5	- 6	6	- 6.2	6.2	- 10	10	- 12	12
- 5	5	- 6.2	6.2	- 7.1	7.1	- 10.5	10.5	- 12.5	12.5
- 5.5	5.5	- 6.3	6.3	- 8	8	- 11	11	- 14	14
- 5.6	5.6	- 7	7	- 8.5	8.5	- 11.2	11.2	<i>INCHES</i>	
- 6	6	<i>INCHES</i>		- 9	9	- 12	12	05940 - 255	0.255
<i>INCHES</i>		05920 - 141	0.141	- 10	10	- 12.5	12.5	- 318	0.318
05916 - 141	0.141	- 168	0.168	<i>INCHES</i>		<i>INCHES</i>		- 323	0.323
- 168	0.168	- 194	0.194	05925 - 141	0.141	05932 - 168	0.168	- 367	0.367
- 220	0.220	- 220	0.22	- 168	0.168	- 194	0.194	- 381	0.381
		- 255	0.255	- 194	0.194	- 220	0.220	- 429	0.429
				- 220	0.220	- 255	0.255	- 437	0.437
				- 255	0.255	- 318	0.318	- 480	0.480
				- 318	0.318	- 323	0.323	- 542	0.542
				- 323	0.323	- 367	0.367	- 562	0.562
				- 367	0.367	- 381	0.381	- 590	0.590
						- 429	0.429	- 652	0.652
						- 437	0.437	- 697	0.697
						- 480	0.480		

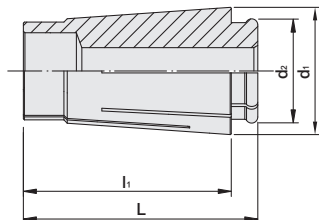
Features:

- ▶ This product can avoid taps breaking when spindle reverses direction during tapping process.
- ▶ There are side lock screws at the bottom of collet, used for clamping a tap.
- ▶ Suitable for taps conforming to ISO-519, JIS, DIN-371, DIN-376 or DIN-352 standards.



SKX COLLET

SKX 高速機專用筒夾



TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SKX - 6	25	21.4	10.2	8.8	0.03
SKX - 10	30.5	26.3	15.5	13.2	0.04
SKX - 13	39.05	34	20	17	0.04
SKX - 16	45.1	40	24.5	20.05	0.06
SKX - 20	54.2	48.95	29	24.85	0.14
SKX - 25	57.1	51.5	35.5	30	1.00

SKX - 6		SKX - 10		SKX - 13		SKX - 16		SKX - 20	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
251.790.06 - 01	1	251.790.10 - 02	2	251.790.13 - 02	2	251.790.16 - 02	2	251.790.20 - 03	3
- 02	2	- 03	3	- 03	3	- 03	3	- 04	4
- 03	3	- 04	4	- 04	4	- 04	4	- 05	5
- 04	4	- 05	5	- 05	5	- 05	5	- 06	6
- 05	5	- 06	6	- 06	6	- 06	6	- 07	7
- 06	6	- 07	7	- 07	7	- 07	7	- 08	8
INCHES		- 08	8	- 08	8	- 08	8	- 09	9
251.790.06 - 1/8	1/8	- 09	9	- 09	9	- 09	9	- 10	10
- 5/32	5/32	- 10	10	- 10	10	- 10	10	- 11	11
- 3/16	3/16	INCHES		- 11	11	- 11	11	- 12	12
- 7/32	7/32	251.790.10 - 1/8	1/8	- 12	12	- 12	12	- 13	13
- 1/4	1/4	- 5/32	5/32	- 13	13	- 13	13	- 14	14
		- 3/16	3/16			- 14	14	- 15	15
		- 7/32	7/32			- 15	15	- 16	16
		- 1/4	1/4			- 16	16	- 17	17
		- 9/32	9/32			INCHES		- 18	18
		- 5/16	5/16			251.790.16 - 1/8	1/8	- 19	19
		- 11/32	11/32			- 5/32	5/32	- 20	20
		- 3/8	3/8			- 3/16	3/16	INCHES	
SKX - 25						- 7/32	7/32	251.790.20 - 1/8	1/8
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	- 1/4	1/4	- 5/32	5/32
251.790.25 - 03	3	- 11	11	- 19	19	- 9/32	9/32	- 3/16	3/16
- 04	4	- 12	12	- 20	20	- 5/16	5/16	- 7/32	7/32
- 05	5	- 13	13	- 21	21	- 11/32	11/32	- 1/4	1/4
- 06	6	- 14	14	- 22	22	- 3/8	3/8	- 9/32	9/32
- 07	7	251.790.25 - 15	15	- 23	23	- 13/32	13/32	- 5/16	5/16
- 08	8	- 16	16	- 24	24	- 7/16	7/16	- 11/32	11/32
- 09	9	- 17	17	- 25	25	- 15/32	15/32	- 3/8	3/8
- 10	10	- 18	18			- 1/2	1/2	- 13/32	13/32
INCHES						- 17/32	17/32	- 7/16	7/16
251.790.25 - 1/8	1/8	- 3/8	3/8	- 5/8	5/8	- 9/16	9/16	- 15/32	15/32
- 5/32	5/32	- 13/32	13/32	- 21/32	21/32	- 19/32	19/32	- 1/2	1/2
- 3/16	3/16	- 7/16	7/16	- 11/16	11/16	- 5/8	5/8	- 17/32	17/32
- 7/32	7/32	- 15/32	15/32	- 23/32	23/32			- 9/16	9/16
- 1/4	1/4	251.790.25 - 1/2	1/2	- 3/4	3/4			- 19/32	19/32
- 9/32	9/32	- 17/32	17/32	- 7/8	7/8			- 5/8	5/8
- 5/16	5/16	- 9/16	9/16	- 1	1			- 21/32	21/32
- 11/32	11/32	- 19/32	19/32					- 11/16	11/16
								- 23/32	23/32
								- 3/4	3/4

Features:

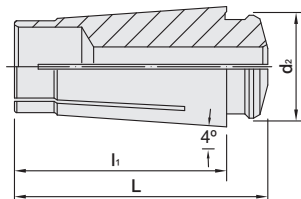
- ▶ Runout accuracy: 5μm, R class 7μm, A class 10μm.
- ▶ One size clamping is recommended.
- ▶ Surface roughness: Ra < 0.1μm, R & A class < 0.15μm.



SKS COLLET

E TYPE

SKS 高速機專用筒夾



TYPE	L	l ₁	d ₂	WEIGHT (KGS)
SKS - 6E	25.7	21.4	8.76	0.03
SKS - 10E	32	26.8	13	0.04
SKS - 13E	39.1	33.6	17	0.04
SKS - 16E	46	40	20.5	0.06
SKS - 20E	54.3	49	24.9	0.14

SKS - 6E		SKS - 10E		SKS - 13E		SKS - 16E		SKS - 20E	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
18302E - 01	1	18304E - 02	2	18305E - 02	2	18306E - 02	2	18308E - 03	3
- 02	2	- 03	3	- 03	3	- 03	3	- 04	4
- 03	3	- 04	4	- 04	4	- 04	4	- 05	5
- 04	4	- 05	5	- 05	5	- 05	5	- 06	6
- 05	5	- 06	6	- 06	6	- 06	6	- 07	7
- 06	6	- 07	7	- 07	7	- 07	7	- 08	8
		- 08	8	- 08	8	- 08	8	- 09	9
		- 09	9	- 09	9	- 09	9	- 10	10
		- 10	10	- 10	10	- 10	10	- 11	11
				- 11	11	- 11	11	- 12	12
				- 12	12	- 12	12	- 13	13
				- 13	13	- 13	13	- 14	14
						- 14	14	- 15	15
						- 15	15	- 16	16
						- 16	16	- 17	17
								- 18	18
								- 19	19
								- 20	20

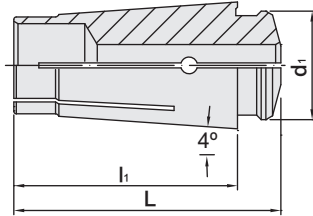
Features:

- ▶ Runout accuracy: 5µm.
- ▶ Less slots and less flexibility compared to UP type SKS collets.
- ▶ Clamping power is better than UP type SKS collets, while one size clamping is recommended.
- ▶ Surface roughness: Ra < 0.1µm.



SKS SEALED COLLET

SKS 止水筒夾



TYPE	L	l ₁	d ₁	WEIGHT (KGS)
SKS - 10C	32	26.8	12.8	0.04
SKS - 13C	39.1	33.6	16.5	0.05
SKS - 16C	46	40	20.2	0.06
SKS - 20C	54.3	49	24.4	0.07
SKS - 25C	58.2	51.5	30	0.08

SKS - 10C		SKS - 13C		SKS - 16C		SKS - 20C		SKS - 25C	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
18304C - 03	3	18305C - 03	3	18306C - 03	3	18308C - 03	3	18310C - 06	6
- 04	4	- 04	4	- 04	4	- 04	4	- 07	7
- 05	5	- 05	5	- 05	5	- 05	5	- 08	8
- 06	6	- 06	6	- 06	6	- 06	6	- 09	9
- 07	7	- 07	7	- 07	7	- 07	7	- 10	10
- 08	8	- 08	8	- 08	8	- 08	8	- 11	11
- 09	9	- 09	9	- 09	9	- 09	9	- 12	12
- 10	10	- 10	10	- 10	10	- 10	10	- 13	13
		- 11	11	- 11	11	- 11	11	- 14	14
		- 12	12	- 12	12	- 12	12	- 15	15
		- 13	13	- 13	13	- 13	13	- 16	16
				- 14	14	- 14	14	- 17	17
				- 15	15	- 15	15	- 18	18
				- 16	16	- 16	16	- 19	19
						- 17	17	- 20	20
						- 18	18	- 21	21
						- 19	19	- 22	22
						- 20	20	- 23	23
								- 24	24
								- 25	25
								- 25.4	25.4

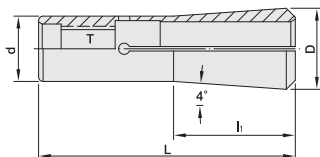
Features:

- ▶ Runout accuracy: 5µm.
- ▶ One size clamping is recommended.
- ▶ Water pressure: 21 kgf/cm².
- ▶ Used for coolant-through cutting tools.



SLC COLLET

SLC 專用筒夾



TYPE	D	d	L	l ₁	T	WEIGHT (KGS)
SLC - 6	10	8	36	24	M6	0.02
SLC - 8	15	12	51.5	22.2	M8	0.03
SLC - 12	18	14.5	57	25.45	M10	0.04
SLC - 20	27	21	70	35	M12	0.12
SLC - 25	32.4	25	80	43.5	M16	0.16

SLC - 6		SLC - 8		SLC - 12		SLC - 20		SLC - 25	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
18851 - 03	3	18850 - 03	3	18852 - 03	3	18853 - 03	3	18854 - 06	6
- 04	4	- 04	4	- 04	4	- 04	4	- 08	8
- 05	5	- 05	5	- 05	5	- 05	5	- 10	10
- 06	6	- 06	6	- 06	6	- 06	6	- 12	12
<i>INCHES</i>		- 08	8	- 08	8	- 08	8	- 16	16
18851 - 1/8	1/8	<i>INCHES</i>		- 10	10	- 10	10	- 18	18
- 3/16	3/16	18850 - 1/8	1/8	- 12	12	- 12	12	- 20	20
- 1/4	1/4	- 3/16	3/16	<i>INCHES</i>		- 16	16	- 25	25
		- 1/4	1/4	18852 - 1/8	1/8	- 18	18	<i>INCHES</i>	
		- 5/16	5/16	- 3/16	3/16	- 20	20	18854 - 1/4	1/4
				- 1/4	1/4	<i>INCHES</i>		- 5/16	5/16
				- 5/16	5/16	18853 - 1/8	1/8	- 3/8	3/8
				- 3/8	3/8	- 3/16	3/16	- 7/16	7/16
				- 7/16	7/16	- 1/4	1/4	- 1/2	1/2
				- 1/2	1/2	- 5/16	5/16	- 5/8	5/8
						- 3/8	3/8	- 3/4	3/4
						- 7/16	7/16	- 7/8	7/8
						- 1/2	1/2	- 1	1
						- 5/8	5/8		
						- 3/4	3/4		

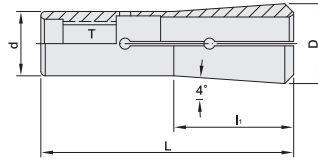
Features:

- ▶ Runout accuracy: 5µm.
- ▶ Surface roughness: Ra < 0.1µm.
- ▶ Used for SBL collet chuck.



SLC SEALED COLLET

SLC 止水筒夾



TYPE	D	d	L	l ₁	T	WEIGHT (KGS)
SLC - 6 - CO	10	8	36	24	M6	0.02
SLC - 8 - CO	15	12	51.5	22.2	M8	0.03
SLC - 12 - CO	18	14.5	57	25.45	M10	0.04
SLC - 20 - CO	27	21	70	35	M12	0.12
SLC - 25 - CO	32.4	25	80	43.5	M16	0.16

SLC - 6 - CO		SLC - 8 - CO		SLC - 12 - CO		SLC - 20 - CO		SLC - 25 - CO	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
18851C - 03	3	18850C - 03	3	18852C - 03	3	18853C - 03	3	18854C - 06	6
- 04	4	- 04	4	- 04	4	- 04	4	- 08	8
- 05	5	- 05	5	- 05	5	- 05	5	- 10	10
- 06	6	- 06	6	- 06	6	- 06	6	- 12	12
<i>INCHES</i>		- 08	8	- 08	8	- 08	8	- 16	16
18851C - 1/8	1/8	<i>INCHES</i>		- 10	10	- 10	10	- 18	18
- 3/16	3/16	18850C - 1/8	1/8	- 12	12	- 12	12	- 20	20
- 1/4	1/4	- 3/16	3/16	<i>INCHES</i>		- 16	16	- 25	25
		- 1/4	1/4	18852C - 1/8	1/8	- 18	18	<i>INCHES</i>	
		- 5/16	5/16	- 3/16	3/16	- 20	20	18854C - 1/4	1/4
				- 1/4	1/4	<i>INCHES</i>		- 5/16	5/16
				- 5/16	5/16	18853C - 1/8	1/8	- 3/8	3/8
				- 3/8	3/8	- 3/16	3/16	- 7/16	7/16
				- 7/16	7/16	- 1/4	1/4	- 1/2	1/2
				- 1/2	1/2	- 5/16	5/16	- 5/8	5/8
						- 3/8	3/8	- 3/4	3/4
						- 7/16	7/16	- 7/8	7/8
						- 1/2	1/2	- 1	1
						- 5/8	5/8		
						- 3/4	3/4		

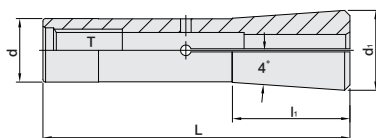
Features:

- ▶ Runout accuracy: 5µm.
- ▶ Surface roughness: Ra < 0.1µm.
- ▶ Used for SBLC collet chuck.
- ▶ Water pressure: 21 bar.
- ▶ Used for coolant-through cutting tools.



EBL COLLET

EBL 筒夾



TYPE	L	l ₁	d	d ₁	T
EBL - 6	53	15	8.5	10.5	M6
EBL - 8	58	22.2	12	15.09	M8

EBL - 6		EBL - 8	
MODEL NO.	SIZE	MODEL NO.	SIZE
16902 - 03	3	16904 - 03	3
- 04	4	- 04	4
- 05	5	- 05	5
- 06	6	- 06	6
<i>INCHES</i>		- 08	8
16902 - 1/8	1/8	16904 - 1/8	1/8
- 3/16	3/16	- 3/16	3/16
- 1/4	1/4	- 1/4	1/4
		- 5/16	5/16

МАШСЕРВИС

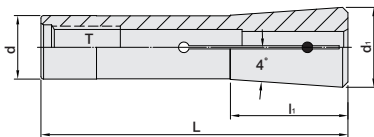
Features:

- ▶ Runout accuracy: 5µm.
- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ Used for tools without coolant holes.



EBL SEALED COLLET

EBL 止水筒夾



TYPE	L	l ₁	d	d ₁	T
EBL - 6 - CO	53	15	8.5	10.5	M6
EBL - 8 - CO	58	22.2	12	15.09	M8

EBL - 6 - CO		EBL - 8 - CO	
MODEL NO.	SIZE	MODEL NO.	SIZE
16902C - 03	3	16904C - 03	3
- 04	4	- 04	4
- 05	5	- 05	5
- 06	6	- 06	6
INCHES		- 08	8
16902C - 1/8	1/8	INCHES	
- 3/16	3/16	16904C - 1/8	1/8
- 1/4	1/4	- 3/16	3/16
		- 1/4	1/4
		- 5/16	5/16

МАШСЕРВИС

Features:

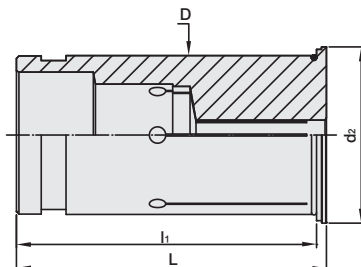
- ▶ Runout accuracy: 5µm.
- ▶ The extended length of EBL collet and special longer inner hole design of holder allow deeper tool insertion and shorter tool overhanging length, improving the machining stability.
- ▶ Used for coolant through tools.
- ▶ Capable of coolant pressure up to 25 bar.



HYC REDUCTION SLEEVE

For hydraulic chuck

HYC 液壓套筒 [用於液壓刀桿]



TYPE	D	d ₂	L	l ₁
HYC12	12	16.5	47	45
HYC20	20	24	52.5	50.5
HYC25	25	29	56.5	54.5
HYC32	32	35.5	62.5	60.5

HYC12		HYC20		HYC25		HYC32	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
268.12 - 03	3	268.20 - 03	3	268.25 - 06	6	268.32 - 06	6
- 04	4	- 04	4	- 08	8	- 08	8
- 05	5	- 05	5	- 10	10	- 10	10
- 06	6	- 06	6	- 12	12	- 12	12
- 08	8	- 07	7	- 14	14	- 14	14
		- 08	8	- 16	16	- 16	16
		- 09	9	- 18	18	- 18	18
		- 10	10	- 20	20	- 20	20
		- 11	11			- 25	25
		- 12	12				
		- 13	13				
		- 14	14				
		- 15	15				
		- 16	16				

Features:

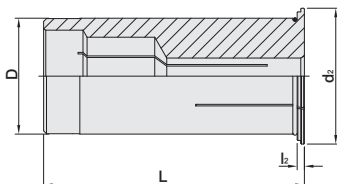
- ▶ Runout accuracy: 5μm.
- ▶ The slots of HYC collet are cut using high-precision sawing technology, ensuring precise ID and strong clamping power.
- ▶ Please assemble the cutting tool into HYC reduction sleeve first, and then insert the sleeve with tool into a hydraulic chuck in order to avoid damage.



HSC STRAIGHT COLLET

For MLD Milling Chuck

HSC 高精度直式筒夾 [用於MLD直式筒夾銑床夾頭]



TYPE	D	d ₂	L	l ₂	WEIGHT (KGS)
HSC12	12	18.5	47	2	0.1
HSC20	20	26	54	2	0.1
HSC25	25	29	60	2	0.3
HSC32	32	37.5	72	2	0.3
HSC1/2"	12.7	18.5	47	2	0.1
HSC3/4"	19.5	26	54	2	0.2
HSC1"	25.4	29	60	2	0.3
HSC1-1/4"	31.75	37.5	72	2	0.6

HSC12	
MODEL NO.	SIZE
267.12 - 03	3
- 04	4
- 05	5
- 06	6
- 08	8

INCHES

HSC1/2"	
MODEL NO.	SIZE
267.1/2 - 1/8	1/8
- 3/16	3/16
- 1/4	1/4
- 5/16	5/16

HSC20	
MODEL NO.	SIZE
267.20 - 04	4
- 05	5
- 06	6
- 08	8
- 10	10
- 12	12
- 16	16

INCHES

HSC3/4"	
MODEL NO.	SIZE
267.3/4 - 1/4	1/4
- 5/16	5/16
- 3/8	3/8
- 7/16	7/16
- 1/2	1/2
- 9/16	9/16
- 5/8	5/8

HSC25	
MODEL NO.	SIZE
267.25 - 04	4
- 05	5
- 06	6
- 08	8
- 10	10
- 12	12
- 14	14
- 16	16
- 20	20

INCHES

HSC1"	
MODEL NO.	SIZE
267.1 - 1/8	1/8
- 3/16	3/16
- 1/4	1/4
- 5/16	5/16
- 3/8	3/8
- 7/16	7/16
- 1/2	1/2
- 9/16	9/16
- 5/8	5/8
- 3/4	3/4

HSC32	
MODEL NO.	SIZE
267.32 - 06	6
- 08	8
- 10	10
- 12	12
- 14	14
- 16	16
- 18	18
- 20	20
- 25	25

INCHES

HSC1-1/4"	
MODEL NO.	SIZE
267.1-1/4 - 3/8	3/8
- 7/16	7/16
- 1/2	1/2
- 9/16	9/16
- 5/8	5/8
- 3/4	3/4
- 7/8	7/8
- 1	1

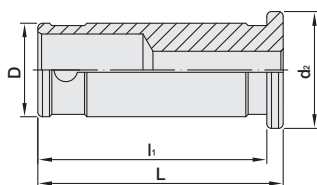
Features:

- ▶ Runout accuracy: 5μm.

STRAIGHT COLLET

For MLD Milling Chuck

直式彈性筒夾 [用於MLD直式筒夾銑床夾頭]



TYPE	D	d ₂	L	l _i	WEIGHT (KGS)
SSC12	12	19	44.5	42.5	0.1
SSC16	16	19	50	46	0.1
SSC20	20	25	52.5	49	0.1
SSC25	25	31	60	55	0.3
SSC32	32	37.5	64.6	59.6	0.3
SSC42	42	48	75	69	0.6
SSC3/4"	3/4"	25	52.5	49	0.1
SSC1"	1"	31	60	55	0.4
SSC1-1/4"	1-1/4"	37.5	64.6	59.6	0.3

SSC12		SSC20		SSC25		SSC32		SSC42	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84116 - 03	3	84120 - 03	3	84121 - 03	3	84122 - 03	3	84124 - 03	3
- 04	4	- 04	4	- 04	4	- 04	4	- 04	4
- 05	5	- 05	5	- 05	5	- 05	5	- 05	5
- 06	6	- 06	6	- 06	6	- 06	6	- 06	6
- 08	8	- 08	8	- 08	8	- 08	8	- 08	8
		- 10	10	- 10	10	- 10	10	- 10	10
		- 12	12	- 12	12	- 12	12	- 12	12
		- 16	16	- 16	16	- 16	16	- 16	16
				- 20	20	- 20	20	- 20	20
						- 25	25	- 25	25
								- 32	32

INCHES

SSC3/4"		SSC1"		SSC1-1/4"	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84126 - 1/8	1/8	84128 - 1/8	1/8	84127 - 1/8	1/8
- 3/16	3/16	- 3/16	3/16	- 3/16	3/16
- 1/4	1/4	- 1/4	1/4	- 1/4	1/4
- 5/16	5/16	- 5/16	5/16	- 5/16	5/16
- 3/8	3/8	- 3/8	3/8	- 3/8	3/8
- 7/16	7/16	- 7/16	7/16	- 7/16	7/16
- 1/2	1/2	- 1/2	1/2	- 1/2	1/2
- 9/16	9/16	- 9/16	9/16	- 9/16	9/16
- 5/8	5/8	- 5/8	5/8	- 5/8	5/8
		- 3/4	3/4	- 3/4	3/4
				- 7/8	7/8
				- 1	1

Features:

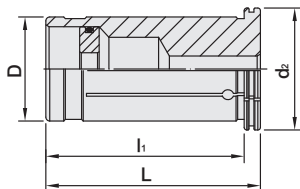
- ▶ Runout accuracy: 20µm, A class 10µm, UP class 5µm.



STRAIGHT SEALED COLLET

For hydraulic chuck

直式止水筒夾 [用於液壓刀桿]



TYPE	D	d ₂	L	l _i	WEIGHT (KGS)
SSC12 - C	12	16	40	38	0.1
SSC20 - C	20	25	52.9	49.4	0.1
SSC25 - C	25	30.5	52.5	50.5	0.2
SSC32 - C	32	37.5	66	61	0.3
SSC42 - C	42	48	75	69	0.6
SSC1/2 - C	1/2	16	46.5	44.5	0.1
SSC3/4 - C	3/4	25	52.9	49.4	0.2
SSC1 - C	1	30.5	52.5	50.5	0.3
SSC1-1/4 - C	1-1/4"	37.5	66	61	0.6

SSC12 - C		SSC20 - C		SSC25 - C		SSC32 - C		SSC42 - C	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
19461 - 03	3	19462 - 03	3	19464 - 03	3	19466 - 03	3	19468 - 03	3
- 04	4	- 04	4	- 04	4	- 04	4	- 04	4
- 05	5	- 05	5	- 05	5	- 05	5	- 05	5
- 06	6	- 06	6	- 06	6	- 06	6	- 06	6
- 08	8	- 08	8	- 08	8	- 08	8	- 08	8
		- 10	10	- 10	10	- 10	10	- 10	10
		- 12	12	- 12	12	- 12	12	- 12	12
		- 16	16	- 16	16	- 16	16	- 16	16
				- 20	20	- 20	20	- 20	20
						- 25	25	- 25	25
								- 32	32

INCHES

SSC1/2" - C		SSC3/4" - C		SSC1" - C		SSC1-1/4" - C	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
19472 - 1/8	1/8	19474 - 1/8	1/8	19476 - 1/8	1/8	19478 - 1/8	1/8
- 3/16	3/16	- 3/16	3/16	- 3/16	3/16	- 3/16	3/16
- 1/4	1/4	- 1/4	1/4	- 1/4	1/4	- 1/4	1/4
- 5/16	5/16	- 5/16	5/16	- 5/16	5/16	- 5/16	5/16
- 3/8	3/8	- 3/8	3/8	- 3/8	3/8	- 3/8	3/8
		- 7/16	7/16	- 7/16	7/16	- 7/16	7/16
		- 1/2	1/2	- 1/2	1/2	- 1/2	1/2
		- 9/16	9/16	- 9/16	9/16	- 9/16	9/16
		- 5/8	5/8	- 5/8	5/8	- 5/8	5/8
				- 3/4	3/4	- 3/4	3/4
						- 7/8	7/8
						- 1	1

Features:

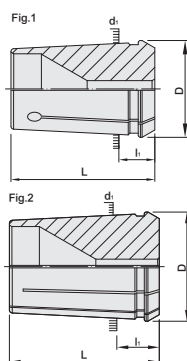
- ▶ Runout accuracy: 15um & UP class 5um.
- ▶ Used for coolant-through cutting tools.
- ▶ Coolant pressure: 7 bar.



EOC COLLET

FORM B

EOC B型 彈性筒夾



TYPE	E-NO	L	l ₁	D	d ₁	Fig.	WEIGHT (KGS)
SYOZ - 25	462E	52	13	35	32.9	1	0.24
EOC32 - B	467E	60	17	43.7	41.3	2	0.5

SYOZ - 25			
MODEL NO.	SIZE	MODEL NO.	SIZE
83868 - 03	3	83868 - 15	15
- 04	4	- 16	16
- 05	5	- 17	17
- 06	6	- 18	18
- 07	7	- 19	19
- 08	8	- 20	20
- 09	9	- 21	21
- 10	10	- 22	22
- 11	11	- 23	23
- 12	12	- 24	24
- 13	13	- 25	25
- 14	14		

INCHES

83868 - 1/8	1/8	83868 - 9/16	9/16
- 3/16	3/16	- 5/8	5/8
- 1/4	1/4	- 11/16	11/16
- 5/16	5/16	- 3/4	3/4
- 3/8	3/8	- 7/8	7/8
- 7/16	7/16	- 15/16	15/16
- 1/2	1/2	- 1	1

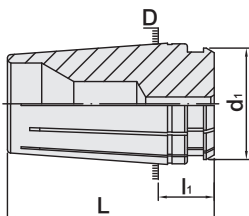
EOC 32 - B			
MODEL NO.	SIZE	MODEL NO.	SIZE
83533 - 04	4	83533 - 19	19
- 05	5	- 20	20
- 06	6	- 21	21
- 07	7	- 22	22
- 08	8	- 23	23
- 09	9	- 24	24
- 10	10	- 25	25
- 11	11	- 26	26
- 12	12	- 27	27
- 13	13	- 28	28
- 14	14	- 29	29
- 15	15	- 30	30
- 16	16	- 31	31
- 17	17	- 32	32
- 18	18		

INCHES

83533 - 1/8	1/8	83533 - 1/2	1/2
- 3/16	3/16	- 5/8	5/8
- 1/4	1/4	- 3/4	3/4
- 5/16	5/16	- 7/8	7/8
- 3/8	3/8	- 1	1
- 7/16	7/16	- 1-1/4	1-1/4

TG COLLET

TG 彈性筒夾



TYPE	L	l ₁	D	d ₁	WEIGHT (KGS)
TG 75	46.84	13.6	26.97	26.84	0.15
TG 100	60.32	16.32	35.02	32.5	0.3
TG 150	76.2	18	50.83	47.7	0.5

TG 75									
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84008 - 03	3	84008 - 06	6	84008 - 09	9	84008 - 12	12	84008 - 15	15
- 04	4	- 07	7	- 10	10	- 13	13	- 16	16
- 05	5	- 08	8	- 11	11	- 14	14		

INCHES

84008 - 3/32	3/32	84008 - 15/64	15/64	84008 - 3/8	3/8	84008 - 33/64	33/64	84008 - 21/32	21/32
- 7/64	7/64	- 1/4	1/4	- 25/64	25/64	- 17/32	17/32	- 43/64	43/64
- 1/8	1/8	- 17/64	17/64	- 13/32	13/32	- 35/64	35/64	- 11/16	11/16
- 9/64	9/64	- 9/32	9/32	- 27/64	27/64	- 9/16	9/16	- 45/64	45/64
- 5/32	5/32	- 19/64	19/64	- 7/16	7/16	- 37/64	37/64	- 23/32	23/32
- 11/64	11/64	- 5/16	5/16	- 29/64	29/64	- 19/32	19/32	- 47/64	47/64
- 3/16	3/16	- 21/64	21/64	- 15/32	15/32	- 39/64	39/64	- 3/4	3/4
- 13/64	13/64	- 11/32	11/32	- 31/64	31/64	- 5/8	5/8		
- 7/32	7/32	- 23/64	23/64	- 1/2	1/2	- 41/64	41/64		

TG 100									
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84010 - 03	3	84010 - 08	8	84010 - 13	13	84010 - 18	18	84010 - 23	23
- 04	4	- 09	9	- 14	14	- 19	19	- 24	24
- 05	5	- 10	10	- 15	15	- 20	20	- 25	25
- 06	6	- 11	11	- 16	16	- 21	21		
- 07	7	- 12	12	- 17	17	- 22	22		

INCHES

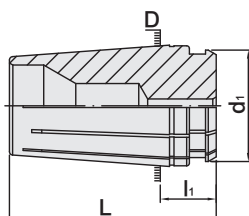
84010 - 3/32	3/32	84010 - 9/32	9/32	84010 - 15/32	15/32	84010 - 21/32	21/32	84010 - 27/32	27/32
- 7/64	7/64	- 19/64	19/64	- 31/64	31/64	- 43/64	43/64	- 55/64	55/64
- 1/8	1/8	- 5/16	5/16	- 1/2	1/2	- 11/16	11/16	- 7/8	7/8
- 9/64	9/64	- 21/64	21/64	- 33/64	33/64	- 45/64	45/64	- 57/64	57/64
- 5/32	5/32	- 11/32	11/32	- 17/32	17/32	- 23/32	23/32	- 29/32	29/32
- 11/64	11/64	- 23/64	23/64	- 35/64	35/64	- 47/64	47/64	- 59/64	59/64
- 3/16	3/16	- 3/8	3/8	- 9/16	9/16	- 3/4	3/4	- 15/16	15/16
- 13/64	13/64	- 25/64	25/64	- 37/64	37/64	- 49/64	49/64	- 61/64	61/64
- 7/32	7/32	- 13/32	13/32	- 19/32	19/32	- 25/32	25/32	- 31/32	31/32
- 15/64	15/64	- 27/64	27/64	- 39/64	39/64	- 51/64	51/64	- 63/64	63/64
- 1/4	1/4	- 7/16	7/16	- 5/8	5/8	- 13/16	13/16	- 1	1
- 17/64	17/64	- 29/64	29/64	- 41/64	41/64	- 53/64	53/64		

Features:

- ▶ Increment by 1mm or 1/64".
- ▶ With 6 slots in front and back.

TG COLLET

TG 彈性筒夾

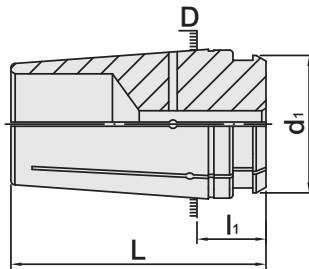


TYPE	L	l ₁	D	d ₁	WEIGHT (KGS)
TG 75	46.84	13.6	26.97	26.84	0.15
TG 100	60.32	16.32	35.02	32.5	0.3
TG 150	76.2	18	50.83	47.7	0.5

TG 150							
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84011 - 04	4	84011 - 13	13	84011 - 22	22	84011 - 31	31
- 05	5	- 14	14	- 23	23	- 32	32
- 06	6	- 15	15	- 24	24	- 33	33
- 07	7	- 16	16	- 25	25	- 34	34
- 08	8	- 17	17	- 26	26	- 35	35
- 09	9	- 18	18	- 27	27	- 36	36
- 10	10	- 19	19	- 28	28	- 37	37
- 11	11	- 20	20	- 29	29	- 38	38
- 12	12	- 21	21	- 30	30		
INCHES							
84011 - 5/32	5/32	84011 - 1/2	1/2	84011 - 27/32	27/32	84011 - 1-3/16	1-3/16
- 11/64	11/64	- 33/64	33/64	- 55/64	55/64	- 1-13/64	1-13/64
- 3/16	3/16	- 17/32	17/32	- 7/8	7/8	- 1-7/32	1-7/32
- 13/64	13/64	- 35/64	35/64	- 57/64	57/64	- 1-15/64	1-15/64
- 7/32	7/32	- 9/16	9/16	- 29/32	29/32	- 1-1/4	1-1/4
- 15/64	15/64	- 37/64	37/64	- 59/64	59/64	- 1-17/64	1-17/64
- 1/4	1/4	- 19/32	19/32	- 15/16	15/16	- 1-9/32	1-9/32
- 17/64	17/64	- 39/64	39/64	- 61/64	61/64	- 1-19/64	1-19/64
- 9/32	9/32	- 5/8	5/8	- 31/32	31/32	- 1-5/16	1-5/16
- 19/64	19/64	- 41/64	41/64	- 63/64	63/64	- 1-21/64	1-21/64
- 5/16	5/16	- 21/32	21/32	- 1"	1	- 1-11/32	1-11/32
- 21/64	21/64	- 43/64	43/64	- 1-1/64	1-1/64	- 1-23/64	1-23/64
- 11/32	11/32	- 41/64	41/64	- 1-1/32	1-1/32	- 1-3/8	1-3/8
- 23/64	23/64	- 45/64	45/64	- 1-3/64	1-3/64	- 1-25/64	1-25/64
- 3/8	3/8	- 23/32	23/32	- 1-1/16	1-1/16	- 1-13/32	1-13/32
- 25/64	25/64	- 47/64	47/64	- 1-5/64	1-5/64	- 1-27/64	1-27/64
- 13/32	13/32	- 3/4	3/4	- 1-3/32	1-3/32	- 1-7/16	1-7/16
- 27/64	27/64	- 49/64	49/64	- 1-7/64	1-7/64	- 1-29/64	1-29/64
- 7/16	7/16	- 25/32	25/32	- 1-1/8	1-1/8	- 1-15/32	1-15/32
- 29/64	29/64	- 51/64	51/64	- 1-9/64	1-9/64	- 1-31/64	1-31/64
- 15/32	15/32	- 13/16	13/16	- 1-5/32	1-5/32	- 1-1/2	1-1/2
- 31/64	31/64	- 53/64	53/64	- 1-11/64	1-11/64		

TG SEALED COLLET

TG 止水筒夾



TYPE	L	l ₁	D	d ₁	WEIGHT (KGS)
TG 100	60.32	16.32	35.02	32.5	0.3
TG 150	76.2	18	50.83	47.7	0.6

TG 100

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84063 - 03	3	84063 - 08	8	84063 - 13	13	84063 - 18	18	84063 - 22	22
- 04	4	- 09	9	- 14	14	- 19	19	- 23	23
- 05	5	- 10	10	- 15	15	- 20	20	- 24	24
- 06	6	- 11	11	- 16	16	- 21	21	- 25	25
- 07	7	- 12	12	- 17	17				

INCHES

84063 - 3/32	3/32	84063 - 9/32	9/32	84063 - 15/32	15/32	84063 - 21/32	21/32	84063 - 27/32	27/32
- 7/64	7/64	- 19/64	19/64	- 31/64	31/64	- 43/64	43/64	- 55/64	55/64
- 1/8	1/8	- 5/16	5/16	- 1/2	1/2	- 11/16	11/16	- 7/8	7/8
- 9/64	9/64	- 21/64	21/64	- 33/64	33/64	- 45/64	45/64	- 57/64	57/64
- 5/32	5/32	- 11/32	11/32	- 17/32	17/32	- 23/32	23/32	- 29/32	29/32
- 11/64	11/64	- 23/64	23/64	- 35/64	35/64	- 47/64	47/64	- 59/64	59/64
- 3/16	3/16	- 3/8	3/8	- 9/16	9/16	- 3/4	3/4	- 15/16	15/16
- 13/64	13/64	- 25/64	25/64	- 37/64	37/64	- 49/64	49/64	- 61/64	61/64
- 7/32	7/32	- 13/32	13/32	- 19/32	19/32	- 25/32	25/32	- 31/32	31/32
- 15/64	15/64	- 27/64	27/64	- 39/64	39/64	- 51/64	51/64	- 63/64	63/64
- 1/4	1/4	- 7/16	7/16	- 5/8	5/8	- 13/16	13/16	- 1	1
- 17/64	17/64	- 29/64	29/64	- 41/64	41/64	- 53/64	53/64		

TG 150

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
84011 - C - 04	4	84011 - C - 11	11	84011 - C - 18	18	84011 - C - 25	25	84011 - C - 32	32
- 05	5	- 12	12	- 19	19	- 26	26	- 33	33
- 06	6	- 13	13	- 20	20	- 27	27	- 34	34
- 07	7	- 14	14	- 21	21	- 28	28	- 35	35
- 08	8	- 15	15	- 22	22	- 29	29	- 36	36
- 09	9	- 16	16	- 23	23	- 30	30	- 37	37
- 10	10	- 17	17	- 24	24	- 31	31	- 38	38

INCHES

84011 - C - 5/32	5/32	84011 - C - 7/16	7/16	84011 - C - 23/32	23/32	84011 - C - 1	1	84011 - C - 1-9/32	1-9/32
- 11/64	11/64	- 29/64	29/64	- 47/64	47/64	- 1-1/64	1-1/64	- 1-19/64	1-19/64
- 3/16	3/16	- 15/32	15/32	- 3/4	3/4	- 1-1/32	1-1/32	- 1-5/16	1-5/16
- 13/64	13/64	- 31/64	31/64	- 49/64	49/64	- 1-3/64	1-3/64	- 1-21/64	1-21/64
- 7/32	7/32	- 1/2	1/2	- 25/32	25/32	- 1-1/16	1-1/16	- 1-11/32	1-11/32
- 15/64	15/64	- 33/64	33/64	- 51/64	51/64	- 1-5/64	1-5/64	- 1-23/64	1-23/64
- 1/4	1/4	- 17/32	17/32	- 13/16	13/16	- 1-3/32	1-3/32	- 1-3/8	1-3/8
- 17/64	17/64	- 35/64	35/64	- 53/64	53/64	- 1-7/64	1-7/64	- 1-25/64	1-25/64
- 9/32	9/32	- 9/16	9/16	- 27/32	27/32	- 1-1/8	1-1/8	- 1-13/32	1-13/32
- 19/64	19/64	- 37/64	37/64	- 55/64	55/64	- 1-9/64	1-9/64	- 1-27/64	1-27/64
- 5/16	5/16	- 19/32	19/32	- 7/8	7/8	- 1-5/32	1-5/32	- 1-7/16	1-7/16
- 21/64	21/64	- 39/64	39/64	- 57/64	57/64	- 1-11/64	1-11/64	- 1-29/64	1-29/64
- 11/32	11/32	- 5/8	5/8	- 29/32	29/32	- 1-3/16	1-3/16	- 1-15/32	1-15/32
- 23/64	23/64	- 41/64	41/64	- 59/64	59/64	- 1-13/64	1-13/64	- 1-31/64	1-31/64
- 3/8	3/8	- 21/32	21/32	- 15/16	15/16	- 1-7/32	1-7/32	- 1-1/2	1-1/2
- 25/64	25/64	- 43/64	43/64	- 61/64	61/64	- 1-15/64	1-15/64		
- 13/32	13/32	- 41/64	41/64	- 31/32	31/32	- 1-1/4	1-1/4		
- 27/64	27/64	- 45/64	45/64	- 63/64	63/64	- 1-17/64	1-17/64		

Features:

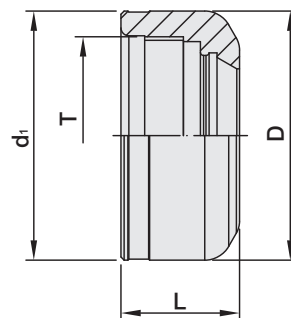
- Used for coolant-through cutting tools.



PNER CLAMPING NUT



PNER 螺帽



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
04506 - PN	PNER16	22	30	30.5	M22 x 1.5P	40 N-m	30 ft/lbs	0.03
04507 - PN	PNER20	23.5	32	32.5	M25 x 1.5P	60 N-m	44 ft/lbs	0.04
04508 - PN	PNER25	24	40	40.5	M32 x 1.5P	80 N-m	59 ft/lbs	0.06
04509 - PN	PNER32	27	50	50.5	M40 x 1.5P	110 N-m	81 ft/lbs	0.10
04510 - PN	PNER40	30	63	63.5	M50 x 1.5P	130 N-m	95 ft/lbs	0.25

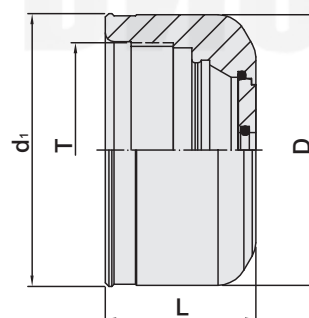
Features:

- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.

PNER SEALED NUT



PNER 止水螺帽



T W PAT NO. M298033
T W PAT NO. M311791
T W PAT NO. M186381
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	L	D	d ₁	T	SR SEALED RING	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
08402	PNER16 - CO	27	30	30.5	M22 x 1.5P	SR16	40 N-m	30 ft/lbs	0.08
08404	PNER20 - CO	29	32	32.5	M25 x 1.5P	SR20	60 N-m	44 ft/lbs	0.08
08406	PNER25 - CO	29	40	40.5	M32 x 1.5P	SR25	80 N-m	59 ft/lbs	0.14
08408	PNER32 - CO	32	50	50.5	M40 x 1.5P	SR32	110 N-m	81 ft/lbs	0.22
08410	PNER40 - CO	35	63	63.5	M50 x 1.5P	SR40	130 N-m	95 ft/lbs	0.40

Features:

- ▶ Use SR sealed ring [PW-59] and PN collet to seal and achieve coolant through tools.
- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.



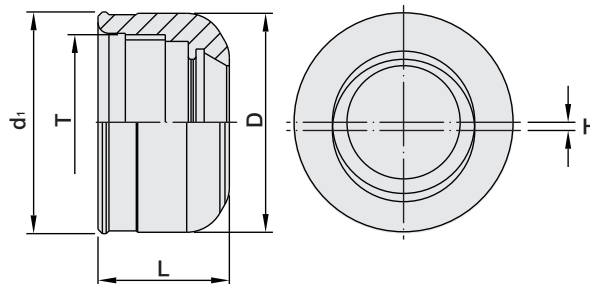
PNER ECCENTRIC NUT



PNER 偏心螺帽



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	D	d ₁	H	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
04303	PNER16 - A	22	30	30.5	1.65	M22 x 1.5P	40 N-m	30 ft/lbs	0.03
04304	PNER20 - A	24	32	32.5	1.65	M25 x 1.5P	60 N-m	44 ft/lbs	0.04
04305	PNER25 - A	24	40	40.5	1.85	M32 x 1.5P	80 N-m	59 ft/lbs	0.06
04306	PNER32 - A	27	50	50.5	2	M40 x 1.5P	110 N-m	81 ft/lbs	0.10
04307	PNER40 - A	30	63	63.5	2.4	M50 x 1.5P	130 N-m	95 ft/lbs	0.25

МАШСЕРВИС

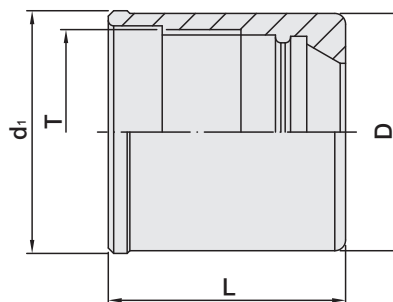
Features:

- ▶ Used with PN-ES steel sealed collet [PW-6] and achieve coolant through tools.
- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.

PTER CLAMPING NUT



PTER 螺帽



MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
16791	PTER8	13.5	12	12.5	M10 x 0.75P	3.5 N-m	2.5 ft/lbs	0.004
16792	PTER11	19	16	16.5	M13 x 0.75P	20 N-m	14 ft/lbs	0.012
16793	PTER16	22	22	22.5	M19 x 1.0P	30 N-m	22 ft/lbs	0.022
16794	PTER20	24	28	28.5	M24 x 1.0P	50 N-m	36 ft/lbs	0.042

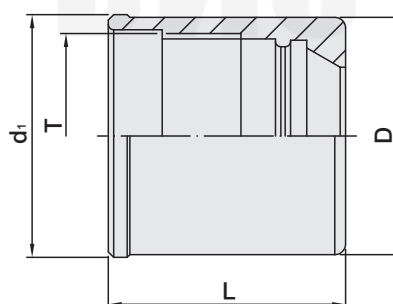
Features:

- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.

UT CLAMPING NUT



UT 螺帽



MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
203.753.16	UT16	22	30	31	M22 x 1.5P	50 N-m	36 ft/lbs	0.064
203.753.20	UT20	27.5	35	36	M27 x 1.5P	60 N-m	44 ft/lbs	0.098
203.753.25	UT25	28.5	42	43	M32 x 1.5P	85 N-m	62 ft/lbs	0.150
203.753.32	UT32	31	48	49	M40 x 1.5P	120 N-m	88 ft/lbs	0.166

Features:

- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.



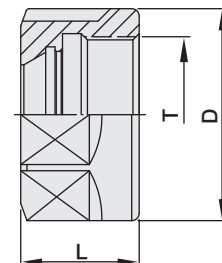
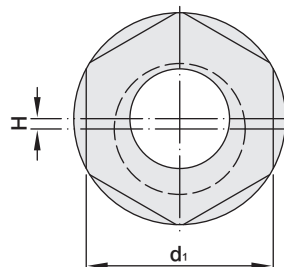
ER CLAMPING NUT



ER 包固得螺帽

台灣精品 2008
TAIWAN EXCELLENCE

T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



MODEL NO.	TYPE	D	d ₁	H	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
04501P	ER11 - A	19	17	1	11.3	M14 x 0.75P	30 N-m	22 ft/lbs	0.02
04502P	ER16 - A	28	25	1.4	18.5	M22 x 1.5P	40 N-m	30 ft/lbs	0.05
04503P	ER20 - A	34	30	1.55	20	M25 x 1.5P	60 N-m	44 ft/lbs	0.10

Features:

- ▶ Special surface treatment. Clamping power is increased twice.
- ▶ Pre-balance to G6.3 10,000rpm.

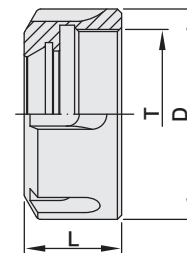
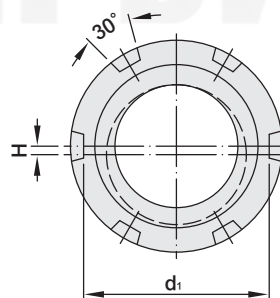
ER CLAMPING NUT



ER 包固得螺帽

台灣精品 2008
TAIWAN EXCELLENCE

T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



MODEL NO.	TYPE	D	d ₁	H	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
04506P	ER16 - UM-RD	31.7	26	1.65	18	M22 x 1.5P	40 N-m	30 ft/lbs	0.05
04507P	ER20 - UM-RD	35	29	1.65	19.5	M25 x 1.5P	60 N-m	44 ft/lbs	0.10
04508P	ER25 - UM-RD	42	36	1.8	21	M32 x 1.5P	80 N-m	59 ft/lbs	0.14
04509P	ER32 - UM-RD	50	44	1.65	23.5	M40 x 1.5P	110 N-m	81 ft/lbs	0.20
04510P	ER40 - UM-RD	63	57	2.15	26.5	M50 x 1.5P	130 N-m	95 ft/lbs	0.30
04511P	ER50 - UM-RD	78	71	2.5	35.3	M64 x 2.0P	200 N-m	147 ft/lbs	0.50

Features:

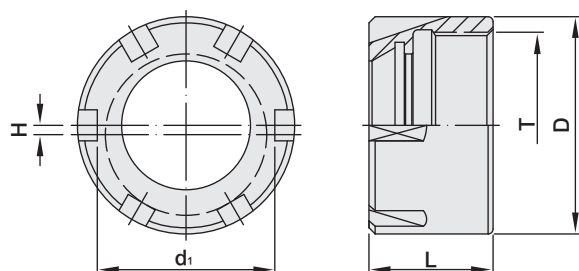
- ▶ Special surface treatment. Clamping power is increased twice.
- ▶ Pre-balance to G6.3 10,000rpm.



ER CLAMPING NUT



ER 包固得螺帽



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	D	d ₁	H	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
04523P	ER8 - M	12	9.1	0.6	10.8	M10 x 0.75P	3.5 N-m	2.5 ft/lbs	0.01
04524P	ER11 - M	16	12	0.6	11.3	M13 x 0.75P	20 N-m	14 ft/lbs	0.01
04525P	ER16 - M	22	16.7	1.2	18	M19 x 1.0P	30 N-m	21 ft/lbs	0.05
04526P	ER20 - M	28	21.85	1.45	19	M24 x 1.0P	40 N-m	24 ft/lbs	0.05
04527P	ER25 - M	35	27.54	1.5	20	M30 x 1.0P	60 N-m	29 ft/lbs	0.08

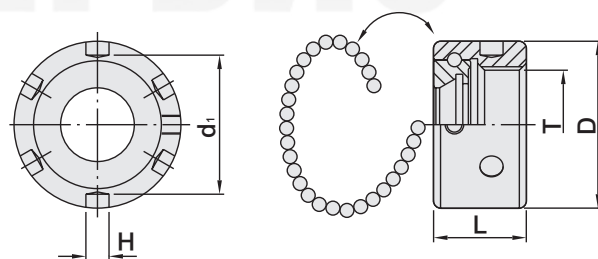
Features:

- ▶ Special surface treatment. Clamping power is increased twice.
- ▶ Pre-balance to G6.3 10,000rpm.

ER HIGH SPEED PRECISION NUT

BALL BEARING TYPE

ER 強力精密高速型螺帽



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

MODEL NO.	TYPE	D	d ₁	H	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
08680P	ER 16 - HSP	32	26	5	18	M22 x 1.5P	35 N-m	25 ft/lbs	0.01
08681P	ER 20 - HSP	36	30	5	20	M25 x 1.5P	55 N-m	40 ft/lbs	0.10
08682P	ER 25 - HSP	42	36	4.4	22.5	M32 x 1.5P	75 N-m	55 ft/lbs	0.10
08684P	ER 32 - HSP	50	44	4.4	25	M40 x 1.5P	100 N-m	73 ft/lbs	0.15
08686P	ER 40 - HSP	63	57	4.4	27.5	M50 x 1.5P	140 N-m	103 ft/lbs	0.27

Features:

- ▶ Applied for ER-HSP spanner [W-71]. ▶ The external diameter is ground precisely, decreasing unbalance. ▶ Can be ordered separately.
- ▶ According to ISO1941-1 standard, examined by a balancing machine. ▶ Higher precision and stability if matching ER Collet-UP class.
- ▶ Balance: G2.5 15,000 rpm.



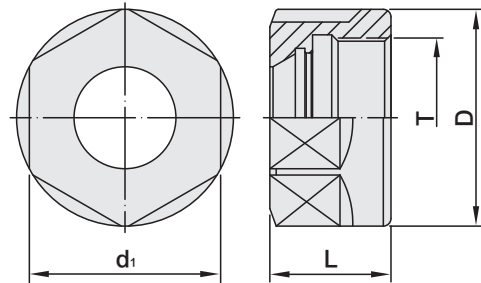
HIGH SPEED POWER GOOD NUT



ER 高速型包固得螺帽



台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	D	d ₁	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
08652P	ER11A - HS	19	17	11.3	M14 x 0.75P	30 N-m	22 ft/lbs	0.02
08654P	ER16A - HS	28	25	17.5	M22 x 1.5P	40 N-m	30 ft/lbs	0.05
08656P	ER20A - HS	34	30	19	M25 x 1.5P	60 N-m	40 ft/lbs	0.10

Features:

- ▶ Special surface treatment. Clamping power is improved twice.
- ▶ Balanced to G2.5 15,000 rpm.

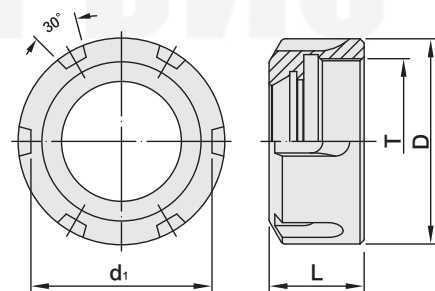
HIGH SPEED POWER GOOD NUT



ER 高速型包固得螺帽



台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

MODEL NO.	TYPE	D	d ₁	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
08655P	ER16 - HS	32	26	18	M22 x 1.5P	40 N-m	30 ft/lbs	0.06
08657P	ER20 - HS	35	29.5	19.5	M25 x 1.5P	60 N-m	44 ft/lbs	0.11
08658P	ER25 - HS	42	35.7	20.5	M32 x 1.5P	80 N-m	59 ft/lbs	0.14
08660P	ER32 - HS	50	43.8	23	M40 x 1.5P	110 N-m	81 ft/lbs	0.20
08662P	ER40 - HS	63	57	26	M50 x 1.5P	130 N-m	95 ft/lbs	0.30

Features:

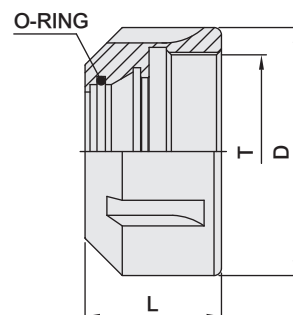
- ▶ Special surface treatment. Clamping power is improved twice.
- ▶ Balanced to G2.5 15,000 rpm.



ER SEALED NUT

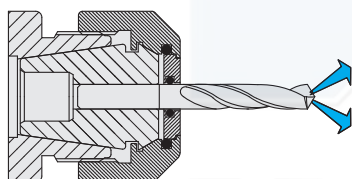


ER 包固得止水螺帽



T W PAT NO. M455785
 J P PAT NO. 3184153
 C N PAT NO. ZL201320107547.2
 D E PAT NO. Nr.202013101640.3
 U S PAT NO. US9062770

MODEL NO.	TYPE	D	L	T	SR SEALED RING	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
08416P	ER16 - CO	28	22.5	M22 x 1.5P	SR16	40 N-m	30 ft/lbs	0.05
08420P	ER20 - CO	34	24	M25 x 1.5P	SR20	60 N-m	44 ft/lbs	0.07
08425P	ER25 - CO	42	25	M32 x 1.5P	SR25	80 N-m	59 ft/lbs	0.10
08432P	ER32 - CO	50	27.5	M40 x 1.5P	SR32	110 N-m	81 ft/lbs	0.15
08440P	ER40 - CO	63	30.5	M50 x 1.5P	SR40	130 N-m	95 ft/lbs	0.27



MAWCEPVC

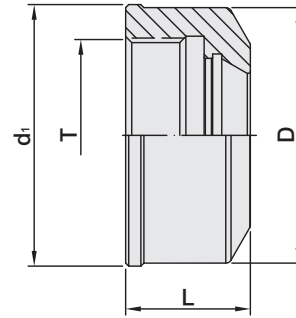
Features:

- ▶ Use SR sealed ring [P.W-59] to seal and achieve coolant through tools.
- ▶ Can bear the water pressure up to 21kgf/cm².
- ▶ Patent-owned.



ER NON WIND RESISTANCE NUT

ER 無風阻螺帽



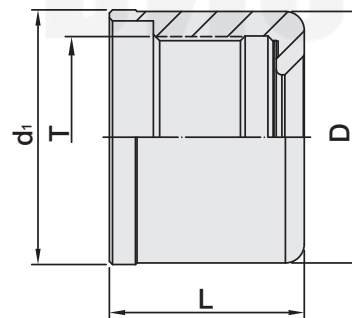
MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
206.130.16	ER16	17.5	30	31	M22 × 1.5P	40 N-m	30 ft/lbs	0.05
206.130.20	ER20	19	34	35	M25 × 1.5P	60 N-m	44 ft/lbs	0.10
206.130.25	ER25	20	42	43	M32 × 1.5P	80 N-m	59 ft/lbs	0.14
206.130.32	ER32	22.5	50	51	M40 × 1.5P	110 N-m	81 ft/lbs	0.23

Features:

- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.

SK3 NON WIND RESISTANCE NUT

SK3 無風阻螺帽



MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
206.763.06	SK306	23	19.5	20	M14 × 1.0P	25 N-m	18 ft/lbs	0.03
206.763.10	SK310	24	27.5	28	M21.5 × 1.0P	45 N-m	33 ft/lbs	0.04
206.763.13	SK313	29.6	33	34.4	M27 × 1.0P	50 N-m	36 ft/lbs	0.06
206.763.16	SK316	33	40	40.5	M32 × 1.5P	70 N-m	52 ft/lbs	0.10

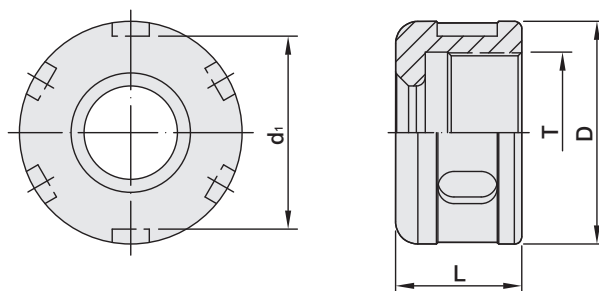
Features:

- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.



SKS CLAMPING NUT

SKS 高速機專用螺帽



T W PAT NO. M270871

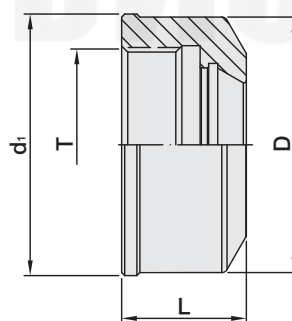
MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
18312	SKS6	15	18	-	M14 x 1.0P	25 N-m	18 ft/lbs	0.02
18314	SKS10	17	30	26	M21.5 x 1.0P	45 N-m	33 ft/lbs	0.04
18315 - 13	SKS13	21	33	31.8	M27 x 1.0P	50 N-m	36 ft/lbs	0.06
18316	SKS16	24.5	40	35.8	M32 x 1.5P	70 N-m	51 ft/lbs	0.06
18318	SKS20	24	48.5	44.4	M40 x 1.0P	90 N-m	66 ft/lbs	0.14
18320	SKS25	30.5	55	50	M45 x 1.5P	100 N-m	73 ft/lbs	1.00

Features:

- ▶ Fine pitch: H4 to ensure the good precision.

SKS NON WIND RESISTANCE NUT

SKS 無風阻螺帽



MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
206.668.06	SKS - 6	15	18	19	M14 x 1.0P	25 N-m	18 ft/lbs	0.20
206.668.10	SKS - 10	17	30	31	M21.5 x 1.0P	45 N-m	33 ft/lbs	0.04
206.668.13	SKS - 13	21	34	35	M27 x 1.0P	50 N-m	36 ft/lbs	0.06
206.668.16	SKS - 16	24.5	40	41	M32 x 1.5P	70 N-m	51 ft/lbs	0.06
206.668.20	SKS - 20	24	48	48.5	M40 x 1.0P	90 N-m	66 ft/lbs	0.14
206.668.25	SKS - 25	30.5	55	56	M45 x 1.5P	100 N-m	73 ft/lbs	1.00

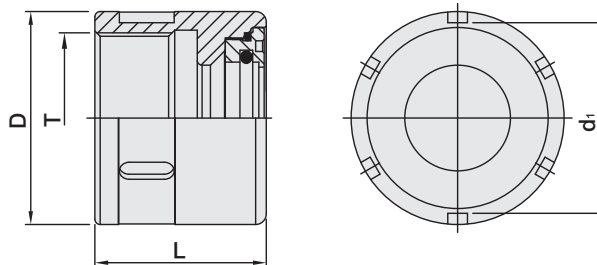
Features:

- ▶ Due to special surface treatment, clamping power is increased by 50%~100%.
- ▶ Its non-slot design decreases wind shear, and can be used for high speed application.



SKS SEALED NUT

SKS 止水螺帽



MODEL NO.	TYPE	L	D	d ₁	T	SR SEALED RING	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
203.658.10	SKS10 - CO	22.8	30	26	M21.5 x 1.0P	SR16	45 N-m	33 ft/lbs	0.04
203.658.13	SKS13 - CO	26.5	35	31.8	M27 x 1.0P	SR20	50 N-m	36 ft/lbs	0.06
203.658.16	SKS16 - CO	32.2	40	35.8	M32 x 1.5P	SR25	70 N-m	51 ft/lbs	0.03
203.658.20	SKS20 - CO	29.5	48.5	44.4	M40 x 1.0P	SR32	90 N-m	66 ft/lbs	0.14
203.658.25	SKS25 - CO	38	55	50	M45 x 1.5P	SR40	100 N-m	73 ft/lbs	1.00

МАШСЕРВИС



- ▶ Need to use with SR sealed ring [P.W-59] and achieve coolant through tools.
- ▶ First, insert the SR sealed ring into the SKS sealed cap, then fasten them on the body of SKS clamping nut with SKS sealed cap spanner.

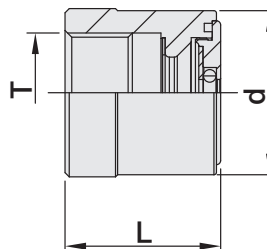
Features:

- ▶ For information of SKS sealed cap spanner, please refer to page W-72(optional).

SKX SEALED NUT



SKX 止水螺帽



MODLE NO.	TYPE	L	d	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
210.790.06	SKX6 - CO	18.5	19.5	M14 x 1.0P	25 N-m	18 ft/lbs	0.04
210.790.10	SKX10 - CO	21	30	M21.5 x 1.0P	45 N-m	33 ft/lbs	0.08
210.790.13	SKX13 - CO	26.5	35	M27 x 1.0P	50 N-m	36 ft/lbs	0.06
210.790.16	SKX16 - CO	28	40	M32 x 1.5P	70 N-m	51 ft/lbs	0.15
210.790.20	SKX20 - CO	28	48	M40 x 1.0P	70 N-m	51 ft/lbs	0.19
210.790.25	SKX25 - CO	30	55	M45 x 1.5P	100 N-m	73 ft/lbs	0.27



Features:

- ▶ SKX sealed nut is not included with SKX sealed cap. Please order the cap additionally.
- ▶ SKX sealed cap is designed with an o-ring. No need to use with SR sealed ring.
- ▶ For information of SKX sealed cap spanner, please refer to page W-72 (optional).



SKX SEALED CAP

SKX 止水墊片



SKX6 - CO		SKX13 - CO		SKX16 - CO		SKX20 - CO		SKX25 - CO	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
210.790.06 - 01	1	210.790.13 - 03	3	210.790.16 - 02	2	210.790.20 - 03	3	210.790.25 - 03	3
- 02	2	- 04	4	- 03	3	- 04	4	- 04	4
- 03	3	- 05	5	- 04	4	- 05	5	- 05	5
- 04	4	- 06	6	- 05	5	- 06	6	- 06	6
- 05	5	- 07	7	- 06	6	- 07	7	- 07	7
- 06	6	- 08	8	- 07	7	- 08	8	- 08	8
INCHES		- 09	9	- 08	8	- 09	9	- 09	9
210.790.06 - 1/8	1/8	- 10	10	- 09	9	- 10	10	- 10	10
- 5/32	5/32	- 11	11	- 10	10	- 11	11	- 11	11
- 3/16	3/16	- 12	12	- 11	11	- 12	12	- 12	12
- 7/32	7/32	- 13	13	- 12	12	- 13	13	- 13	13
- 1/4	1/4	INCHES		- 13	13	- 14	14	- 14	14
		210.790.13 - 1/8	1/8	- 14	14	- 15	15	- 15	15
		- 5/32	5/32	- 15	15	- 16	16	- 16	16
		- 3/16	3/16	- 16	16	- 17	17	- 17	17
		- 7/32	7/32	INCHES		- 18	18	- 18	18
		- 1/4	1/4	210.790.16 - 1/8	1/8	- 19	19	- 19	19
		- 9/32	9/32	- 5/32	5/32	- 20	20	- 20	20
		- 5/16	5/16	- 3/16	3/16	INCHES		- 21	21
		- 11/32	11/32	- 7/32	7/32	210.790.20 - 1/8	1/8	- 22	22
		- 3/8	3/8	- 1/4	1/4	- 5/32	5/32	- 23	23
		- 13/32	13/32	- 9/32	9/32	- 3/16	3/16	- 24	24
		- 7/16	7/16	- 5/16	5/16	- 7/32	7/32	- 25	25
		- 15/32	15/32	- 11/32	11/32	- 1/4	1/4	INCHES	
INCHES		- 1/2	1/2	- 3/8	3/8	- 9/32	9/32	210.790.25 - 1/8	1/8
210.790.10 - 1/8	1/8			- 13/32	13/32	- 5/16	5/16	- 5/32	5/32
- 5/32	5/32			- 7/16	7/16	- 11/32	11/32	- 3/16	3/16
- 3/16	3/16			- 15/32	15/32	- 3/8	3/8	- 7/32	7/32
- 7/32	7/32			- 1/2	1/2	- 13/32	13/32	- 1/4	1/4
- 1/4	1/4			- 17/32	17/32	- 7/16	7/16	- 9/32	9/32
- 9/32	9/32			- 9/16	9/16	- 15/32	15/32	- 5/16	5/16
- 5/16	5/16			- 19/32	19/32	- 1/2	1/2	- 11/32	11/32
- 11/32	11/32			- 5/8	5/8	- 17/32	17/32	- 3/8	3/8
- 3/8	3/8					- 9/16	9/16	- 13/32	13/32
						- 19/32	19/32	- 7/16	7/16
						- 5/8	5/8	- 15/32	15/32
						- 21/32	21/32	- 1/2	1/2
						- 11/16	11/16	- 17/32	17/32
						- 23/32	23/32	- 9/16	9/16
						- 3/4	3/4	- 19/32	19/32
								- 5/8	5/8
								- 21/32	21/32
								- 11/16	11/16
								- 23/32	23/32
								- 3/4	3/4
								- 7/8	7/8
								- 1	1

Features:

- ▶ SKX Sealed Nut is not included with SKX Sealed Cap. Please order the cap additionally.
- ▶ For information of SKX sealed cap spanner, please refer to page W-72 (optional).



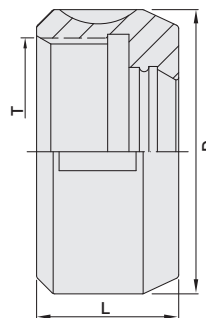
EOC CLAMPING NUT



EOC 包固得栓緊螺帽



TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	D	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
83638P	EOC25	60	30	M48 x 2.0P	130 N-m	95 ft/lbs	0.30
83639P	EOC32	72	33.5	M60 x 2.5P	220 N-m	162 ft/lbs	0.48

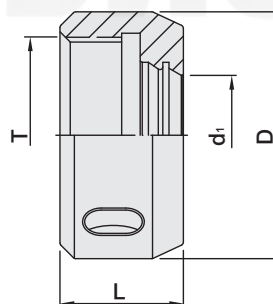
TG CLAMPING NUT



TG 包固得栓緊螺帽



TW PAT NO. M298033
 TW PAT NO. M311791
 TW PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	D	d ₁	L	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
84012P	TG75	50	22.7	25	TW 1-1/2" - 12	122 N-m	90 ft/lbs	0.52
84014P	TG100	60	29.1	30	TW 1-7/8" - 12	130 N-m	95 ft/lbs	0.46
84016P	TG150	82	42.4	35	TW 2-5/8" - 12	200 N-m	147 ft/lbs	0.50



MLD SEALED CAP

MLD 止水端蓋

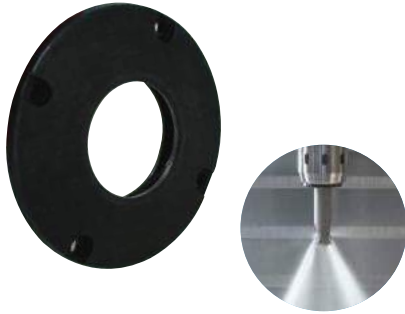


Fig.1

SR SEALED RING

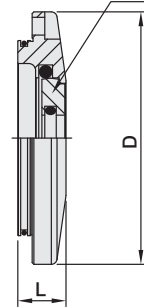
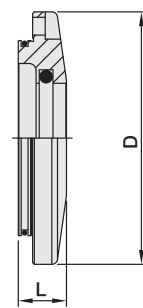


Fig.2



MODEL NO.	TYPE	L	D	RANGE	SR SEALED RING	Fig	WEIGHT (KGS)
19490G	MLD12	8.9	38.2	3 ~ 8	SR16	1	0.03
19490G - 2	MLD12	8.9	38.2	12	-	2	0.03
19491G	MLD16	8.9	42.2	3 ~ 12	SR20	1	0.04
19491G - 2	MLD16	8.9	42.2	16	-	2	0.04
19496G	MLD20	8.9	44	3 ~ 16	SR25	1	0.04
19492G - 2	MLD20	8.9	44	20	-	2	0.04
19497G	MLD25	10.4	51	3 ~ 20	SR32	1	0.06
19493G - 2	MLD25	10.4	51	25	-	2	0.06
19498G	MLD32	11.05	60	3 ~ 25	SR40	1	0.06
19494G - 2	MLD32	11.05	60	32	-	2	0.06
19495G	MLD42	12.02	70	3 ~ 25	SR40	1	0.07
19495G - 2	MLD42	12.02	70	42	-	2	0.07
19490G	MLD1/2"	8.9	38.2	1/8" ~ 3/8"	SR16	1	0.03
19490G - 2 - 0.5	MLD1/2"	8.9	38.2	1/2"	-	2	0.03
19491G	MLD5/8"	8.9	42.2	1/8" ~ 1/2"	SR20	1	0.04
19491G - 2 - 0.625	MLD5/8"	8.9	42.2	5/8"	-	2	0.04
19496G	MLD3/4"	8.9	44	1/8" ~ 5/8"	SR25	1	0.04
19496G - 2	MLD3/4"	8.9	44	3/4"	-	2	0.04
19497G	MLD1"	10.4	51	1/8" ~ 3/4"	SR32	1	0.06
19497G - 2	MLD1"	10.4	51	1"	-	2	0.06
19498G	MLD1-1/4"	11.05	60	1/8" ~ 1"	SR40	1	0.06
19498G - 2	MLD1-1/4"	11.05	60	1-1/4"	-	2	0.06

Fig.1



Fig.2



▶ Need to use with a sealed ring.

▶ The inner hole of MLD sealed cap same as tool shank. Do not need a sealed ring for use.

Features:

▶ Used for coolant-through cutting tools.

SR SEALED RING

SR 止水環



T W PAT NO. M455785
 J P PAT NO. 3184153
 C N PAT NO. ZL20320107547.2
 D E PAT NO. Nr.202013101640.3
 U S PAT NO. US 9062770

SR16		SR20		SR25		SR32		SR40	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
08516 - 3.5	3.5 ~ 3.0	08520 - 3.5	3.5 ~ 3.0	08525 - 3.5	3.5 ~ 3.0	08532 - 3.5	3.5 ~ 3.0	08540 - 3.5	3.5 ~ 3.0
- 4.0	4.0 ~ 3.5	- 4.0	4.0 ~ 3.5	- 4.0	4.0 ~ 3.5	- 4.0	4.0 ~ 3.5	- 4.0	4.0 ~ 3.5
- 4.5	4.5 ~ 4.0	- 4.5	4.5 ~ 4.0	- 4.5	4.5 ~ 4.0	- 4.5	4.5 ~ 4.0	- 4.5	4.5 ~ 4.0
- 5.0	5.0 ~ 4.5	- 5.0	5.0 ~ 4.5	- 5.0	5.0 ~ 4.5	- 5.0	5.0 ~ 4.5	- 5.0	5.0 ~ 4.5
- 5.5	5.5 ~ 5.0	- 5.5	5.5 ~ 5.0	- 5.5	5.5 ~ 5.0	- 5.5	5.5 ~ 5.0	- 5.5	5.5 ~ 5.0
- 6.0	6.0 ~ 5.5	- 6.0	6.0 ~ 5.5	- 6.0	6.0 ~ 5.5	- 6.0	6.0 ~ 5.5	- 6.0	6.0 ~ 5.5
- 6.5	6.5 ~ 6.0	- 6.5	6.5 ~ 6.0	- 7.5	7.5 ~ 7.0	- 6.5	6.5 ~ 6.0	- 6.5	6.5 ~ 6.0
- 7.0	8.5 ~ 8.0	- 7.0	7.0 ~ 6.5	- 8.0	8.0 ~ 7.5	- 7.0	7.0 ~ 6.5	- 7.0	7.0 ~ 6.5
- 7.5	9.0 ~ 8.5	- 7.5	7.5 ~ 7.0	- 8.5	8.5 ~ 8.0	- 7.5	7.5 ~ 7.0	- 7.5	7.5 ~ 7.0
- 8.0	9.5 ~ 9.0	- 8.0	8.0 ~ 7.5	- 9.0	9.0 ~ 8.5	- 8.0	8.0 ~ 7.5	- 8.0	8.0 ~ 7.5
- 8.5	10 ~ 9.5	- 8.5	8.5 ~ 8.0	- 9.5	9.5 ~ 9.0	- 8.5	8.5 ~ 8.0	- 8.5	8.5 ~ 8.0
- 9.0	10.5 ~ 10	- 9.0	9.0 ~ 8.5	- 10	10 ~ 9.5	- 9.0	9.0 ~ 8.5	- 9.0	9.0 ~ 8.5
- 9.5	11 ~ 10.5	- 9.5	9.5 ~ 9.0	- 10.5	10.5 ~ 10	- 9.5	9.5 ~ 9.0	- 9.5	9.5 ~ 9.0
- 10	11.5 ~ 11	- 10	10 ~ 9.5	- 11	11 ~ 10.5	- 10	10.0 ~ 9.5	- 10	10.5 ~ 10
WEIGHT (KGS)		- 10.5	10.5 ~ 10	- 11.5	11.5 ~ 11	- 10.5	10.5 ~ 10	- 11	11 ~ 10.5
0.01		- 11	11 ~ 10.5	- 12	12 ~ 11.5	- 11	11 ~ 10.5	- 11.5	11.5 ~ 11
		- 11.5	11.5 ~ 11	- 12.5	12.5 ~ 12	- 11.5	11.5 ~ 11	- 12	12.0 ~ 11.5
		- 12	12 ~ 11.5	- 13	13 ~ 12.5	- 12	12 ~ 11.5	- 12.5	12.5 ~ 12
		- 12.5	12.5 ~ 12	- 13.5	13.5 ~ 13	- 12.5	12.5 ~ 12	- 13	13.0 ~ 12.5
		- 13	13 ~ 12.5	- 14	14 ~ 13.5	- 13	13 ~ 12.5	- 13.5	13.5 ~ 13
		WEIGHT (KGS)		- 14.5	14.5 ~ 14	- 13.5	13.5 ~ 13	- 14	14.0 ~ 13.5
		0.01		- 15	15 ~ 14.5	- 14	14 ~ 13.5	- 14.5	14.5 ~ 14
				- 15.5	15.5 ~ 15	- 14.5	14.5 ~ 14	- 15	15.0 ~ 14.5
				- 16	16 ~ 15.5	- 15	15 ~ 14.5	- 15.5	15.5 ~ 15
				WEIGHT (KGS)		- 15.5	15.5 ~ 15.0	- 16	16.0 ~ 15.5
				0.01		- 16	16 ~ 15.5	- 16.5	16.5 ~ 16
						- 16.5	16.5 ~ 16	- 17	17.0 ~ 16.5
						- 17	17 ~ 16.5	- 17.5	17.5 ~ 17
						- 17.5	17.5 ~ 17	- 18	18.0 ~ 17.5
						- 18	18 ~ 17.5	- 18.5	18.5 ~ 18
						- 18.5	18.5 ~ 18.0	- 19	19.0 ~ 18.5
						- 19	19 ~ 18.5	- 19.5	19.5 ~ 19
						- 19.5	19.5 ~ 19	- 20	20 ~ 19.5
						- 20	20 ~ 19.5	- 20.5	20.5 ~ 20
						WEIGHT (KGS)		- 21	21 ~ 20.5
						0.01		- 21.5	21.5 ~ 21
								- 22	22 ~ 21.5
								- 22.5	22.5 ~ 22
								- 23	23 ~ 22.5
								- 23.5	23.5 ~ 23
								- 24	24 ~ 23.5
								- 24.5	24.5 ~ 24
								- 25	25 ~ 24.5
								- 25.5	25.5 ~ 25
								- 26	26 ~ 25.5
								WEIGHT (KGS)	
								0.02	

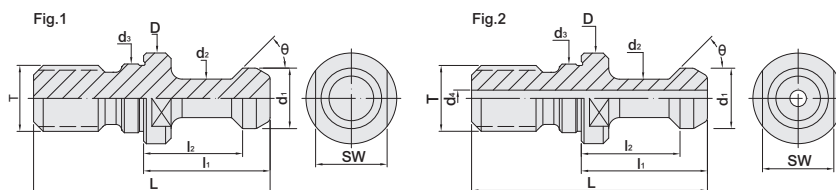
Features:

- ▶ One size clamping is recommended.
- ▶ Used for ER, MLD, SKS and PNER sealed nuts to seal and achieve coolant through tools.
- ▶ Can bear the water pressure up to 21 kgf/cm².



BT PULL STUD

BT 螺栓拉頭



W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	d ₄	θ	T	SW	Fig.	WEIGHT (KGS)
17801	BT30 - 45°	43	23	18	16.5	11	7	12.5	-	45°	M12	13	1	0.04
17803	BT40 - 45°	60	35	28	23	15	10	17	-	45°	M16	19	1	0.10
17805	BT50 - 45°	85	45	35	38	23	17	25	-	45°	M24	30	1	0.30
17806	BT30 - 60°	43	23	18	16.5	11	7	12.5	-	60°	M12	13	1	0.04
17808	BT40 - 60°	60	35	28	23	15	10	17	-	60°	M16	19	1	0.10
17810	BT50 - 60°	85	45	35	38	23	17	25	-	60°	M24	30	1	0.30
17812	BT30 - 90°	43	23	18	16.5	11	7	12.5	-	90°	M12	13	1	0.04
17814	BT40 - 90°	60	35	28	23	15	10	17	-	90°	M16	19	1	0.10
17816	BT50 - 90°	85	45	35	38	23	17	25	-	90°	M24	30	1	0.30

Coolant Thru

17817	BT30 - 45°	43	23	18	16.5	11	7	12.5	3	45°	M12	13	2	0.10
17818	BT40 - 45°	60	35	28	23	15	10	17	4	45°	M16	19	2	0.10
17818 - MAZAK	BT40 - 45°	44.1	19.1	14.02	22	18.79	12.44	17	7	45°	M16	19	2	0.10
17824	BT50 - 45°	85	45	35	38	23	17	25	5	45°	M24	30	2	0.30
17824 - MAZAK	BT50 - 45°	65.4	25.4	17.78	35.5	28.95	20.8	25	10	45°	M24	30	2	0.30
17820	BT40 - 60°	60	35	28	23	15	10	17	4	60°	M16	19	2	0.10
17826	BT50 - 60°	85	45	35	38	23	17	25	5	60°	M24	30	2	0.30
17822	BT40 - 90°	60	35	28	23	15	10	17	4	90°	M16	19	2	0.10
17828	BT50 - 90°	85	45	35	38	23	17	25	5	90°	M24	30	2	0.30

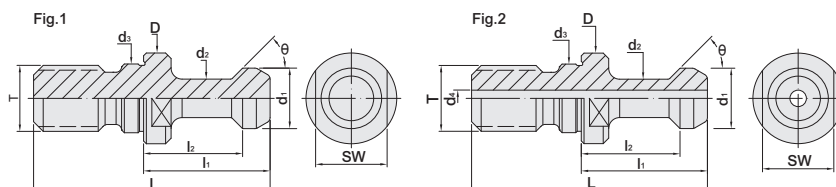
Features:

- ▶ Please make sure the pull stud conforms to the machine type.

BT PULL STUD

with ground thread

BT 研磨螺栓拉頭



W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	d ₄	θ	T	SW	Fig.	WEIGHT (KGS)
17801 - G	BT30 - 45°G	43	23	18	16.5	11	7	12.5	-	45°	M12	13	1	0.04
17803 - G	BT40 - 45°G	60	35	28	23	15	10	17	-	45°	M16	19	1	0.10
17805 - G	BT50 - 45°G	85	45	35	38	23	17	25	-	45°	M24	30	1	0.30
17806 - G	BT30 - 60°G	43	23	18	16.5	11	7	12.5	-	60°	M12	13	1	0.04
17808 - G	BT40 - 60°G	60	35	28	23	15	10	17	-	60°	M16	19	1	0.10
17810 - G	BT50 - 60°G	85	45	35	38	23	17	25	-	60°	M24	30	1	0.30
17812 - G	BT30 - 90°G	43	23	18	16.5	11	7	12.5	-	90°	M12	13	1	0.04
17814 - G	BT40 - 90°G	60	35	28	23	15	10	17	-	90°	M16	19	1	0.10
17816 - G	BT50 - 90°G	85	45	35	38	23	17	25	-	90°	M24	30	1	0.30

Coolant Thru

17817 - G	BT30 - 45°G	43	23	18	16.5	11	7	12.5	3x2	45°	M12	13	2	0.10
17818 - G	BT40 - 45°G	60	35	28	23	15	10	17	4	45°	M16	19	2	0.10
17824 - G	BT50 - 45°G	85	45	35	38	23	17	25	7	45°	M24	30	2	0.30
17820 - G	BT40 - 60°G	60	35	28	23	15	10	17	4	60°	M16	19	2	0.10
17826 - G	BT50 - 60°G	85	45	35	38	23	17	25	7	60°	M24	30	2	0.30
17822 - G	BT40 - 90°G	60	35	28	23	15	10	17	4	90°	M16	19	2	0.10
17828 - G	BT50 - 90°G	85	45	35	38	23	17	25	7	90°	M24	30	2	0.30

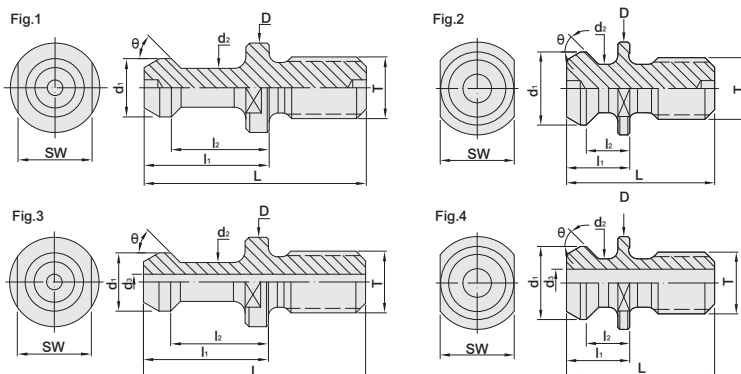
Features:

- ▶ Please make sure the pull stud conforms to the machine type.



CAT PULL STUD

CAT 螺栓拉頭



W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	θ	SW	T-UNC	Fig.	WEIGHT (KGS)
21003	CAT40 - ANSI	1.5	0.64	0.44	0.94	0.74	0.49	-	45°	0.75	5/8" - 11	2	0.09
21005	CAT50 - ANSI	2.3	1	0.7	1.44	1.14	0.82	-	45°	1.25	1" - 8	2	0.25
21003 - 45	CAT40 - MAS - I	2.25	1.266	0.99	0.905	0.59	0.394	-	45°	0.748	5/8" - 11	1	0.09
21003 - 60	CAT40 - MAS - II	2.25	1.266	0.99	0.905	0.59	0.394	-	60°	0.748	5/8" - 11	1	0.09
21003 - 90	CAT40 - MAS - III	2.25	1.266	0.99	0.905	0.59	0.394	-	90°	0.748	5/8" - 11	1	0.09
21005 - 45	CAT50 - MAS - I	3.346	1.772	1.378	1.496	0.906	0.669	-	45°	1.181	1" - 8	1	0.25
21005 - 60	CAT50 - MAS - II	3.346	1.772	1.378	1.496	0.906	0.669	-	60°	1.181	1" - 8	1	0.25
21005 - 90	CAT50 - MAS - III	3.346	1.772	1.378	1.496	0.906	0.669	-	90°	1.181	1" - 8	1	0.25

Coolant Thru

21003 - C	CAT40 - ANSI - C	1.5	0.64	0.44	0.94	0.74	0.49	0.281	45°	0.75	5/8" - 11	4	0.09
21005 - C	CAT50 - ANSI - C	2.3	1	0.7	1.44	1.14	0.82	0.468	45°	1.25	1" - 8	4	0.25
21003 - 45C	CAT40 - Coolant - I	2.25	1.266	0.99	0.905	0.59	0.394	0.157	45°	0.748	5/8" - 11	3	0.09
21003 - 60C	CAT40 - Coolant - II	2.25	1.266	0.99	0.905	0.59	0.394	0.157	60°	0.748	5/8" - 11	3	0.09
21003 - 90C	CAT40 - Coolant - III	2.25	1.266	0.99	0.905	0.59	0.394	0.157	90°	0.748	5/8" - 11	3	0.09
21005 - 45C	CAT50 - Coolant - I	3.346	1.772	1.378	1.496	0.906	0.669	0.256	45°	1.181	1" - 8	3	0.25
21005 - 60C	CAT50 - Coolant - II	3.346	1.772	1.378	1.496	0.906	0.669	0.256	60°	1.181	1" - 8	3	0.25
21005 - 90C	CAT50 - Coolant - III	3.346	1.772	1.378	1.496	0.906	0.669	0.256	90°	1.181	1" - 8	3	0.25

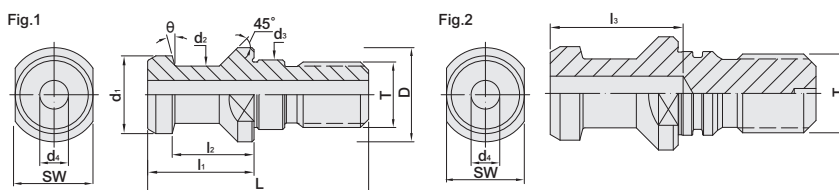
Features:

- ▶ Please make sure the pull stud conforms to the machine type.

DAT PULL STUD

DAT 螺栓拉頭

(DIN 7388 - 3)

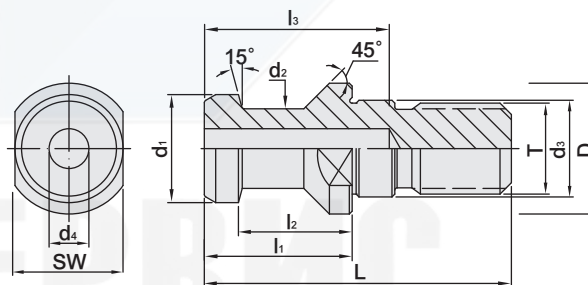


W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	d ₄	θ	SW	T	Fig.	WEIGHT (KGS)
49011	DAT30 - B	44	24	19	-	17	13	9	13	-	15°	14	M12	2	0.03
49013	DAT40 - B	54	26	20	27	23	19	14	17	7	15°	19	M16	2	0.09
49015	DAT50 - B	74	34	25	37	36	28	21	25	11.5	15°	30	M24	2	0.25

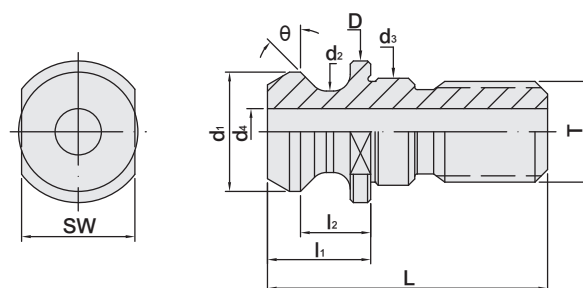
Coolant Thru

49001	DAT30 - A	44	24	19	-	17	13	9	13	-	15°	14	M12	1	0.03
49003	DAT40 - A	54	26	20	-	23	19	14	17	7	15°	19	M16	1	0.09
49005	DAT50 - A	74	34	25	-	36	28	21	25	11.5	15°	30	M24	1	0.25



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	d ₄	T	WEIGHT (KGS)
49017	DAT40	54	26	20	27	23	19	14	17	7	M16	0.09

(DIN ISO 7388 - UD)



Coolant Thru

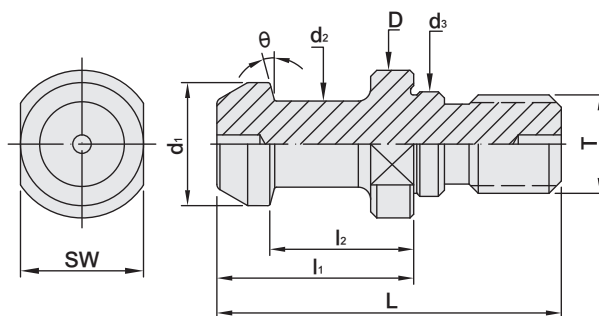
MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	d ₄	θ	SW	T	WEIGHT (KGS)
49032	DAT40 - A	54	26	20	23	19	14	17	7	15°	19	M16	0.09
49034	DAT50 - A	74	34	25	36	28	21	25	11.5	15°	30	M24	0.25
49036	DAT40 - B	44.5	16.4	11.15	22.5	18.95	12.95	17	7.35	45°	18	M16	0.03
49038	DAT50 - B	65.5	25.55	17.95	37	29.1	19.6	25	11.55	45°	30	M24	0.10

Features: ▶ Please make sure the pull stud conforms to the machine type.



ISO PULL STUD

ISO 螺栓拉頭



MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	L	l ₁	l ₂	θ	SW	T	WEIGHT (KGS)
49000 - ISO20	ISO20 - 15°	12	9	6	8.5	26	12	9	15°	10	M8	0.01
42194 - ISO25 - 02	ISO25 - 45°	12	10	7	9	31	18	13.5	45°	10	M8	0.02
49000 - ISO25	ISO25 - 15°	12	10	7	8.5	28	16	11.7	15°	10	M8	0.02
49001 - 45	ISO30	17	12.8	9	13	45	24	19	45°	14	M12	0.03

МАШСЕРВИС

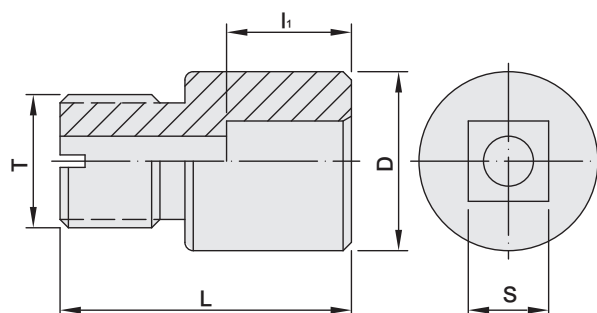
Features:

- ▶ Please make sure the pull stud conforms to the machine type.

SQUARE SHANK ADAPTER

COOLANT THRU

四角棒舌



T W PAT NO. M408428
J P PAT NO. 3168351
D E PAT NO. Nr.202011004740.7

MODEL NO.	TYPE	L	li	D	S	T	WEIGHT (KGS)
9398765	PLSS1/2" x M16	35	15	21.5	9.652	M16 x 2.0P	0.03
9397764	PLSS3/4" x M16	35	15	21.5	14.288	M16 x 2.0P	0.04
9396764	PLSS1/2" x M20	40	15	29	9.652	M20 x 2.0P	0.12
9396763	PLSS3/4" x M20	40	15	29	14.288	M20 x 2.0P	0.12
9396762	PLSS1" x M20	40	15	29	19.05	M20 x 2.0P	0.12
9396766	PLSS1-1/4" x M24	40	15	34	19.38	M24 x 2.0P	0.18

МАШСЕРВИС

We're Making a Better Connection Between the Cutting Tool and Spindle.



**For the info. of PLIM,
please refer to
catalog NO.78.**

Features:

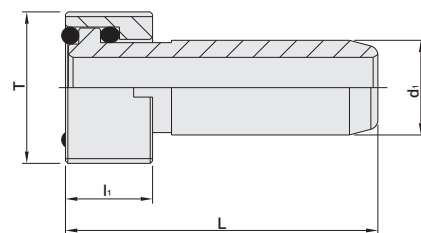
- Adapts ER Chucks into PowerLOC Milling Holders: PowerLOC Square Shank Adapters turn our standard collet chucks into milling holders capable of performing heavier milling jobs than you ever thought possible.



COOLANT SUPPLY UNIT & KEY

(DIN 69895)

HSK 給水管 HSK COOLANT SUPPLY UNIT

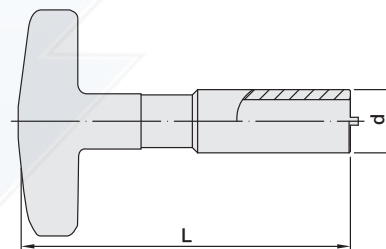


MODEL NO.	TYPE	L	l ₁	d ₁	T	WEIGHT (KGS)
30031	HSK32A - CP	26	5.5	6	M10 x 1.0P	0.01
30033	HSK40A - CP	29.3	7.5	8	M12 x 1.0P	0.01
30035	HSK50A - CP	33	9.5	10	M16 x 1.0P	0.02
30037	HSK63A - CP	36.6	11.5	12	M18 x 1.0P	0.02
30039	HSK80A - CP	40	13.5	14	M20 x 1.5P	0.04
30041	HSK100A - CP	44	15.5	16	M24 x 1.5P	0.06

Features:

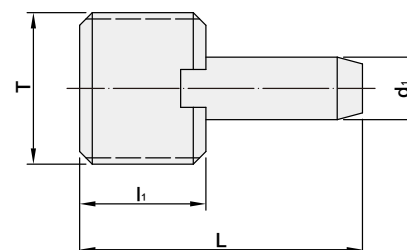
- ▶ Installation and Dismounting of HSK Coolant Supply Unit.

HSK 給水管扳手 KEY FOR COOLANT SUPPLY UNIT



MODEL NO.	TYPE	L	d	WEIGHT (KGS)
30051	HSK32A - CPW	90	φ 10mm	0.10
30053	HSK40A - CPW	90	φ 13.5mm	0.12
30055	HSK50A - CPW	95	φ 15.5mm	0.14
30057	HSK63A - CPW	100	φ 17.5mm	0.16
30059	HSK80A - CPW	110	φ 19.5mm	
30061	HSK100A - CPW	125	φ 23.5mm	0.32

PSC 給水管 PSC COOLANT SUPPLY UNIT

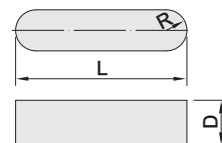


MODEL NO.	TYPE	L	l ₁	d ₁	T	WEIGHT (KGS)
140.950	PSC32	22.4	10	4.95	M12 x 1.5P	0.07
141.950	PSC40	25.8	12	5.95	M14 x 1.5P	0.01
142.950	PSC50	28.35	14	7	M16 x 1.5P	0.015
143.950	PSC63	31	15	8	M20 x 2.0P	0.027
144.950	PSC80	31.3	15	10	M20 x 2.0P	0.026

PARTS

FOR CSR COMBI SHELL END MILL ARBOR

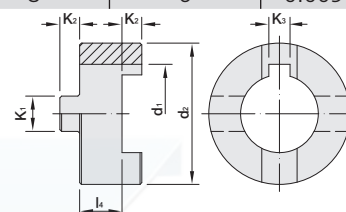
CSR 連結式銑刀柄零件



KEY



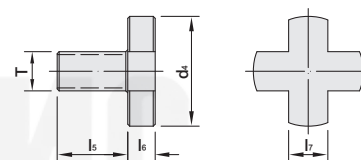
MODEL NO.	TYPE	L	D	R	WEIGHT (KGS)
42831	KEY - 16	22	4	2	0.002
42832	KEY - 22	24	6	3	0.003
42833	KEY - 27	24	7	3.5	0.004
42834	KEY - 32	27	8	4	0.006
42835	KEY - 40	31	10	5	0.008
42836	KEY - 50	35	8	6	0.009



REMOVABLE RING



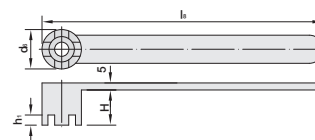
MODEL NO.	TYPE	d ₁	d ₂	k ₁	k ₂	k ₃	l ₄	WEIGHT (KGS)
42841	CORE - 16	16	32	8	5	4	10	0.009
42843	CORE - 22	22	40	10	5.6	6	12	0.01
42845	CORE - 27	27	48	12	6.3	7	12	0.02
42847	CORE - 32	32	58	14	7	8	14	0.03
42849	CORE - 40	40	70	16	8	10	14	0.04
42851	CORE - 50	50	90	18	9	12	16	0.05



NUT



MODEL NO.	TYPE	d ₄	l ₅	l ₆	l ₇	T	WEIGHT (KGS)
42861	CONU - 16	20	16	6	8	M8	0.07
42863	CONU - 22	28	18	7	10	M10	0.08
42865	CONU - 27	35	22	8	12	M12	0.10
42867	CONU - 32	42	26	9	16	M16	0.20
42869	CONU - 40	52	30	10	20	M20	0.25
42871	CONU - 50	63	36	12	24	M24	0.30



SPANNER



MODEL NO.	TYPE	d ₆	l ₈	H	h ₁	WEIGHT (KGS)
42881	COSP - 16	22	180	20	6.2	0.30
42883	COSP - 22	28	200	25	7.2	0.40
42885	COSP - 27	35	225	32	8.5	0.50
42887	COSP - 32	42	250	36	9.5	0.65
42889	COSP - 40	52	280	40	11	0.85
42891	COSP - 50	63	315	45	12	0.95

Features:

- Can purchase removable ring, nut and spanner separately.

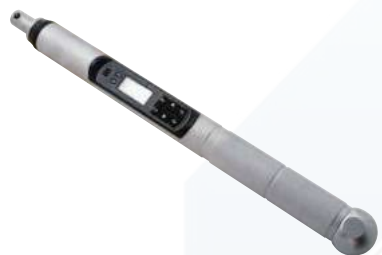


SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH

數顯 LCD 扭力扳手

*Two-color handle*

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
04575 - 135	DG - 135	365	10 - 135 N·m	7.4 - 99.6 ft/lbs	0.80
04575 - 200	DG - 200	540	20 - 200 N·m	14.8 - 147 ft/lbs	1.10
04575 - 340	DG - 340	769	34 - 340 N·m	25 - 250.9 ft/lbs	1.40

*Steel handle*

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
283.DG252	DG - 252	373	10 - 135 N·m	7.4 - 99.6 ft/lbs	0.80
283.DG253	DG - 253	548	20 - 200 N·m	14.8 - 147 ft/lbs	1.05
283.DG254	DG - 254	748	34 - 340 N·m	25 - 250.9 ft/lbs	1.35

*Two-color handle*

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
283.DG264	DG - 264	373	10 - 135 N·m	7.4 - 99.6 ft/lbs	0.85
283.DG265	DG - 265	548	20 - 200 N·m	14.8 - 147 ft/lbs	1.10
283.DG266	DG - 266	748	34 - 340 N·m	25 - 250.9 ft/lbs	1.40

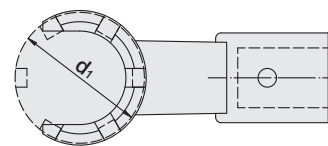
*Steel handle*

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
283.DG271	DG - 271	373	10 - 135 N·m	7.4 - 99.6 ft/lbs	0.65
283.DG272	DG - 272	548	20 - 200 N·m	14.8 - 147 ft/lbs	0.90
283.DG273	DG - 273	748	34 - 340 N·m	25 - 250.9 ft/lbs	1.20

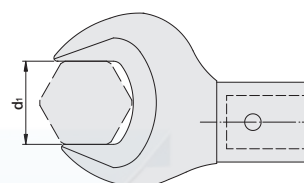
МАШСЕРВИС

NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH

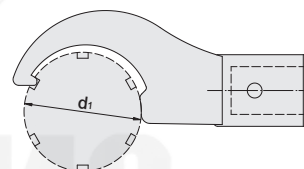
螺帽轉接頭 [扭力扳手用]



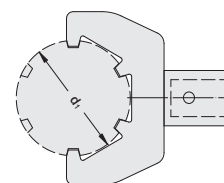
MODEL NO.	TYPE	d ₁	WEIGHT (KGS)
04576	ER11 - M	16	0.09
04577	ER16 - M	22	0.10
04578	ER20 - M	28	0.10
04587	ER25 - M	35	0.10



MODEL NO.	TYPE	d ₁	WEIGHT (KGS)
04582	ER16 - A, ER16A - HS, ER16 - CO	25	0.14
04584	ER20 - A, ER20A - HS, ER20 - CO	30	0.20
04597 - 6	SKS6	18	0.08



MODEL NO.	TYPE	d ₁	WEIGHT (KGS)
04592	EOC25	60	0.30
04597 - 10	SKS10	30	0.16
04597 - 13	SKS13	35	0.17
04597 - 16	SKS16	40	0.18
04597 - 20	SKS20	48.5	0.19
04597 - 25	SKS25	55	0.20



MODEL NO.	TYPE	d ₁	WEIGHT (KGS)
04583	ER16 UM/RD, ER16 - HS	31.7	0.18
04585	ER20 UM/RD, ER20 - HS	35	0.20
04586	ER25 UM/RD, ER25 - HS, ER25 - CO	42	0.25
04588	ER32 UM/RD, ER32 - HS, ER32 - CO	50	0.30
04590	ER40 UM/RD, ER40 - HS, ER40 - CO	63	0.40

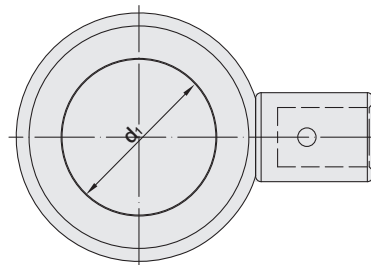
Features:

- ▶ Used with spigot interchangeable digital torque wrench [P.W-68].
- ▶ Set the torque according to recommended torque value to maintain the best cutting performance.



NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH

螺帽轉接頭 [扭力扳手用]



MODEL NO.	TYPE	d ₁	WEIGHT (KGS)
287.128.11	ER11 W - TDQ / SKS6 W - TDQ	18	0.24
287.128.16	ER16 W - TDQ / SKS10 W - TDQ	30	0.28
287.128.20	ER20 W - TDQ / SKS13W - TDQ	34	0.32
287.128.25	ER25 W - TDQ	42	0.35
287.128.32	ER32 W - TDQ	50	0.40
287.666.16	SKS16 W - TDQ	40	0.33
287.666.25	SKS25 W - TDQ	55	0.40
284.16	PTER11	16	0.42
284.18	SKS6	18	0.22
284.19.5	SK306, UT11	19.5	0.24
284.22	PTER16	22	0.24
284.27.5	SK310	27.5	0.25
284.28	PTER20	28	0.25
284.30	ER16, SKS10, PNER16, UT16, SKX10-CO	30	0.25
284.32	PNER20	32	0.25
284.33	SK313	33	0.25
284.34	ER20, SK313	34	0.33
284.35	UT20, PTER25	35	0.40
284.40	SKS16, PNER25, SK316, SKX16-CO	40	0.40
284.42	ER25 W-RDQ, UT25	42	0.40
284.48	SKS20, UT32, SKX20-CO	48	0.40
284.50	ER32, PNER32	50	0.42
284.55	SKS25 W-RDQ, SKX25-CO	55	0.42
284.63	PNER40	63	0.58



No using adjustable spanner!



No using ER spanner with steel tube!



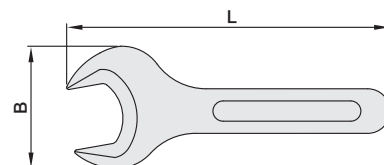
No using adjustable spanner with steel tube!

Features:

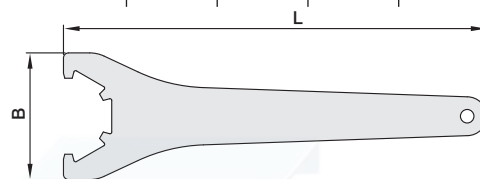
- ▶ Used with spigot interchangeable digital torque wrench [P.W-68].
- ▶ Set the torque according to recommended torque value to maintain the best cutting performance.

ER SPANNER

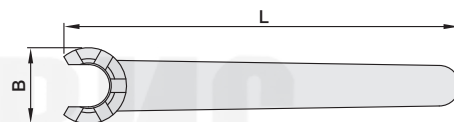
ER 扳手



MODEL NO.	TYPE	NUT DIA	L	B	WEIGHT (KGS)
04608	ER11 - A, ER11A - HS	19	120	40	0.10
04609	ER16 - A, ER16A - HS, ER16 - CO	28	140	53	0.15
04610	ER20 - A, ER20A - HS, ER20 - CO	34	160	60	0.20



MODEL NO.	TYPE	NUT DIA	L	B	WEIGHT (KGS)
04613	ER16 UM/RD, ER16 - HS	31.7	162	54	0.18
04614	ER20 UM/RD, ER20 - HS	35	182	60	0.20
04615	ER25 UM/RD, ER25 - HS, ER25 - CO	42	206	65	0.22
04616	ER32 UM/RD, ER32 - HS, ER32 - CO	50	253	75	0.30
04617	ER40 UM/RD, ER40 - HSP, ER40 - HS, ER40 - CO	63	289	90	0.50
04618	ER50 UM/RD	78	351	110	0.90



MODEL NO.	TYPE	NUT DIA	L	B	WEIGHT (KGS)
04620	ER8 - M	12	75	13	0.05
04621	ER11 - M	16	95	17	0.04
04622	ER16 - M	22	117	23	0.06
04623	ER20 - M	28	129	29	0.07
04624	ER25 - M	19	143	36	0.09



MODEL NO.	TYPE	NUT DIA	L	B	WEIGHT (KGS)
04642	ER16 - HSP	32	150	29	0.15
04644	ER20 - HSP	36	150	29	0.20
04645	ER25 - HSP, MLD12, MLD1/2"	42	200	38	0.22
04646	ER32 - HSP	50	200	38	0.30

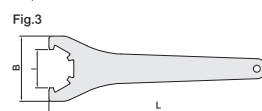
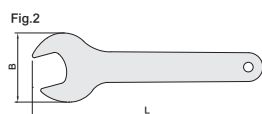
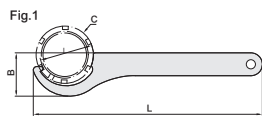
Features:

- ▶ The spanner can be purchased separately. ▶ ER collet chuck doesn't include a spanner.



SPANNER

扳手



MODEL NO.	TYPE	L	B	C	I	Fig	WEIGHT (KGS)
82170	SPU8	155	26	36	31	1	0.06
82171	SPU10	155	27.5	43	35	1	0.06
82172	SPU13	170	37.5	48	46	1	0.08
82173	SPU16	170	40	54	49.5	1	0.08
83691	EOC25, MLD25, MLD1", TG100	260	46	60	52	1	0.30
84191	MLD42	285	65	90	90	1	0.37
84193	EOC32	272	64	72	67	1	0.45
84192G	MLD20, MLD3/4"	260	46	56.5	47.5	1	0.30
84193G	MLD32, MLD1-1/4"	272	64	71	63	1	0.45
18323	SKS10	200	30	30	27	1	0.25
18323 - 13	SKS13	220	30	34	29.8	1	0.25
18324	SKS16	220	38	40	37	1	0.30
18324 - 20	SKS20, MLD16, MLD5/8"	220	40	48	35.8	1	0.32
18325	SKS25	235	41	55.1	51	1	0.40
84020	TG150	272	64	82	67	1	0.50
18322	SKS6	120	36	-	-	2	3.00
84018	TG75	253	75	-	-	3	4.00

T型梅花[星型]扳手



Fig.1 Allen wrench

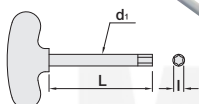
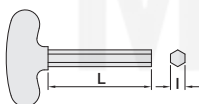
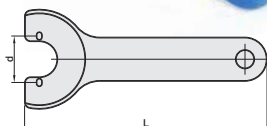
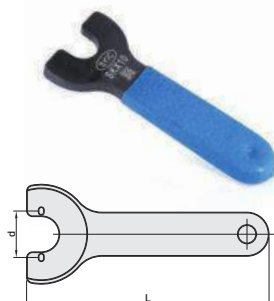


Fig.2 Torx wrench



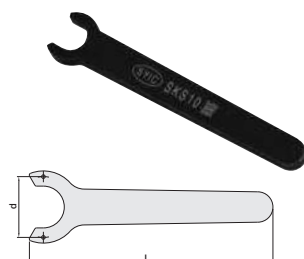
MODEL NO.	TYPE	d1	L	I	Fig	WEIGHT (KGS)
B11 - A - 11T20X100 - B - G	T20 - 100	3.9	100	T20	1	0.04
B11 - A - 11T20X200 - B - G	T20 - 200	3.9	200	T20	1	0.04
B11 - A - 11T20X200 - B - 1	T20 - 200	6	200	T20	1	0.04
B11 - A - 10T5X150 - B	T5 - 150	-	150	5	2	0.06
B11 - A - 10T5X200 - B	T5 - 200	-	200	5	2	0.06
B11 - A - 10T6X150 - B	T6 - 150	-	150	6	2	0.08
B11 - A - 10T6X200 - B	T6 - 200	-	200	6	2	0.10
B11 - A - 10T8X200 - B	T8 - 200	-	200	8	2	0.14
B11 - A - 10T10X200 - B	T10 - 200	-	200	10	2	0.16

SKX止水垫片扳手 SKX Sealed Cap Spanner



MODEL NO.	TYPE	L	d	WEIGHT (KGS)
288.790.06	SKX06	82.5	10.5	0.06
288.790.10	SKX10	82.5	15.8	0.05
288.790.16	SKX16	92.5	24.8	0.07
288.790.20	SKX20	92.5	28.8	0.07
288.790.25	SKX25	95.0	34.8	0.09

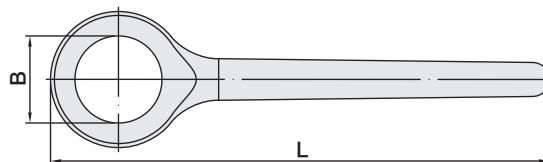
SKS止水垫片扳手 SKS Sealed Cap Spanner



MODEL NO.	TYPE	L	d	WEIGHT (KGS)
203.658.10 - 2	SKS10	117	17	0.06
203.658.13 - 2	SKS13	130	22	0.07
203.658.16 - 2	SKS16	130	27	0.08
203.658.20 - 2	SKS20	130	32	0.09
203.658.25 - 2	SKS25	130	37	0.09

BEARING SPANNER

軸承扳手



MODEL NO.	TYPE	NUT DIA	L	B	WEIGHT (KGS)
286.129.11	ER11 W-RDQ / SKS6 W-RDQ	18	120	18	0.33
286.129.16	ER16 W-RDQ / SKS10 W-RDQ	30	170	30	0.43
286.129.20	ER20 W-RDQ / SKS13 W-RDQ	34	172	34	0.43
286.129.25	ER25 W-RDQ	42	175	42	0.47
286.129.32	ER32 W-RDQ	50	180	50	0.50
286.667.16	SKS16 W-RDQ	40	175	40	0.50
286.667.20	SKS20 W-RDQ	48	198	48	0.55
286.667.25	SKS25 W-RDQ	55	183	55	0.55
04630	PTER8, SP-ER8M	12	100	12	0.09
285.16	PTER11	16	195	16	0.38
285.18	SKS6, ER11	18	195	18	0.38
285.19.5	SK306, SKX6-CO	19.5	195	19.5	0.39
285.22	PTER16	22	195	22	0.40
285.27.5	SK310	27.5	195	27.5	0.40
285.28	PTER20	28	195	28	0.40
285.30	ER16, SKS10, PNER16, UT16, SKX10-CO	30	195	30	0.40
285.32	PNER20	32	195	32	0.40
285.33	SK313	33	195	33	0.40
285.34	ER20, SKS13	34	235	34	0.45
285.35	UT20, PTER25	35	235	35	0.64
285.40	SKS16, PNER25, SK316, SKX16-CO	40	235	40	0.64
285.42	ER25, UT25	42	235	42	0.67
285.48	SKS20, UT32, SKX20-CO	48	235	48	0.69
285.50	ER32, PNER32	50	235	50	0.69
285.55	SKS25 W-RDQ, SKX25-CO	55	235	55	0.91
285.63	PNER40, PRO32	63	250	63	0.70
285.71	MLD32	71	270	71	1.24

Features:

- Used for all non wind resistance nuts.



No using adjustable spanner!



No using ER spanner with steel tube!

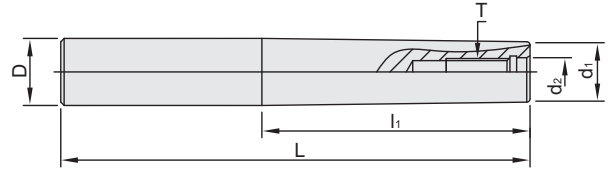


No using adjustable spanner with steel tube!



STRAIGHT SHANK SOM EXTENSION HOLDER

直柄 SOM 螺紋鎖固式延長桿



T W PAT NO. M319837
C N PAT NO. ZL200720007532.3

MODEL NO.	TYPE	D	T	d ₁	d ₂	L	l ₁	WEIGHT (KGS)
83782	C12 - SOM6 - 130	12	M6 x 1.0P	10	6.5	130	60	0.07
83784	C16 - SOM8 - 140	16	M8 x 1.25P	13	8.5	140	80	0.15
83786	C16 - SOM8 - 180	16	M8 x 1.25P	13	8.5	180	120	0.21
83788	C20 - SOM10 - 140	20	M10 x 1.5P	18	10.5	140	80	0.24
83790	C20 - SOM10 - 180	20	M10 x 1.5P	18	10.5	180	120	0.35
83792	C25 - SOM12 - 170	25	M12 x 1.75P	21	12.5	170	100	0.56
83794	C25 - SOM12 - 210	25	M12 x 1.75P	21	12.5	210	140	0.69

МАШСЕРВИС

Screwed cutting tool



P.W-75



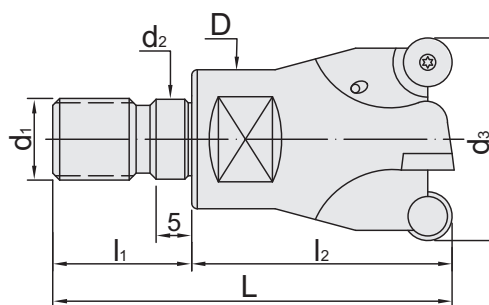
P.W-76



P.W-77

STR SCREWED CUTTING TOOL

STR 螺紋鎖固切削刀具



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	Inserts	WEIGHT (KGS)
83702	STR - 2.5R12M6 - 2T	39	17	22	6.5	M6	10	12	RD..0501	0.03
83704	STR - 3.5R16M8 - 2T	41	18	23	8.5	M8	13.5	16	RD..0702	0.05
83706	STR - 3.5R20M10 - 3T	49	19	30	10.5	M10	18	20	RD..0702	0.08
83708	STR - 3.5R25M12 - 3T	58	23	35	12.5	M12	21	25	RD..0702	0.12
83710	STR - 5R25M12 - 2T	58	23	35	12.5	M12	21	25	RD..1003	0.11
83712	STR - 5R30M16 - 3T	67	25	42	17	M16	26	30	RD..1003	0.19
83714	STR - 5R35M16 - 4T	67	25	42	17	M16	29	35	RD..1003	0.23

Accessory:

Inserts	Screw	Wrench	Torque	Clamp Screw	Clamp Wrench	Torque
RD..0501	M2-3.8-2.68-43	T6	0.6	M2-3.8-2.68-43	T6	0.6
RD..0702	M2.5-6.45-3.7	T8	1.2	M3.5-8.0-5.0-43	T15	3.0
RD..1003	M3.5-8.0-5.0-43	T15	3.0	M4-8.0-5.7-60	T15	3.0

МАШСЕРВИС

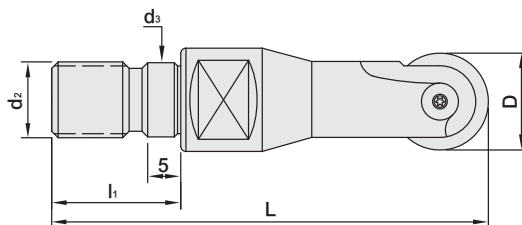
Product information:

- Inserts are optional accessories. Needs to be purchased additionally.



RG SCREWED CUTTING TOOL

RG 螺紋鎖固切削刀具



MODEL NO.	TYPE	L	l ₁	D	d ₂	d ₃	Inserts	WEIGHT (KGS)
83722	RG - 4R08M6	50	17	8	M6	10	RG08S	0.03
83724	RG - 5R10M6	50	17	10	M6	10	RG10S	0.03
83726	RG - 6R12M8	55	18	12	M8	13.5	RG12S	0.44
83728	RG - 8R16M8	60	18	16	M8	13.5	RG16S	0.05
83730	RG - 10R20M10	65	19	12	M10	18	RG20S	0.09
83732	RG - 12.5R25M12	70	23	25	M12	21	RG25S	0.14

Accessory:

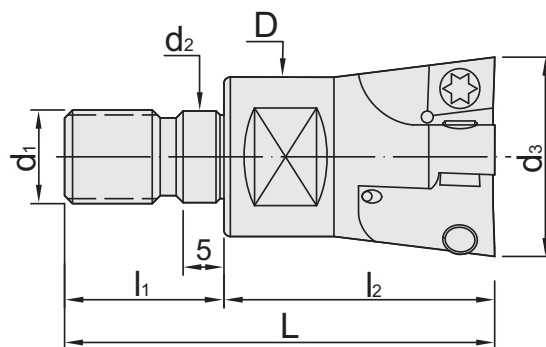
Inserts	Screw	Wrench	Torque
RG08S	RG - M8	T6	0.6
RG10S	RG - M10	T7	0.9
RG12S	RG - M12	T10	2.0
RG16S	RG - M16	T15	3.0
RG20S	RG - M20	T20	5.0
RG25S	RG - M25	T20	5.0

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

DM SCREWED CUTTING TOOL

DM 螺紋鎖固切削刀具



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	Inserts	WEIGHT (KGS)
83742	DM - 0412M6 - 2T	39	17	22	6.5	M6	10	12	EP..0402	0.03
83744	DM - 0416M8 - 3T	41	18	23	8.5	M8	13.5	16	EP..0402	0.04
83746	DM - 0620M10 - 3T	49	19	30	10.5	M10	18	20	EP..0602	0.06
83748	DM - 0825M12 - 2T	58	23	35	12.5	M12	21	25	EP..08M3	0.11
83750	DM - 0825M12 - 3T	58	23	35	12.5	M12	21	25	EP..08M3	0.10
83752	DM - 0830M16 - 4T	67	25	42	17	M16	26	30	EP..08M3	0.19
83754	DM - 0835M16 - 4T	67	25	42	17	M16	29	35	EP..08M3	0.21

Accessory:

Inserts	Screw	Wrench	Torque
EP..0402	M2-3.8-2.68-43	T6	0.6
EP..0402	M2-5.0-2.7-60	T6	0.6
EP..0602	M2.5-6.45-3.7	T8	1.2
EP..08M3	M4-8.0-5.0-43	T15	3.0

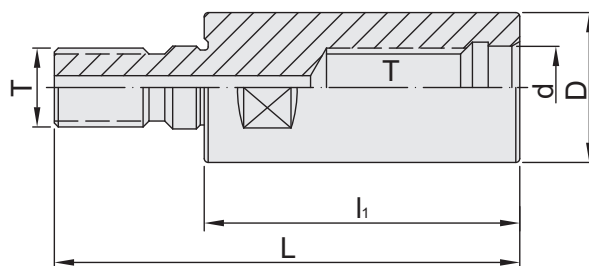
Product information:

- Inserts are optional accessories. Needs to be purchased additionally.



SOM EXTENSION SPACER

SOM 延長桿



MODEL NO.	TYPE	L	l ₁	D	d	T	WEIGHT (KGS)
83762	SOM6 - 25	42	25	13	6.5	M6 x 1.0P	0.05
83764	SOM8 - 32	50	32	15	8.5	M8 x 1.25P	0.06
83766	SOM10 - 40	59	40	19	10.5	M10 x 1.5P	0.08
83768	SOM12 - 50	73	50	21	12.5	M12 x 1.75P	0.10
83770	SOM16 - 60	85	60	25	17	M16 x 2.0P	0.12

МАШСЕРВИС

Features:

- ▶ The extension has a hole, good for water to get through and anti-vibration.
- ▶ The material adopts anti-vibration steel.
- ▶ The thread precision belongs to the 1st grade thread 4H.

MTB / ER COLLET HOLDER

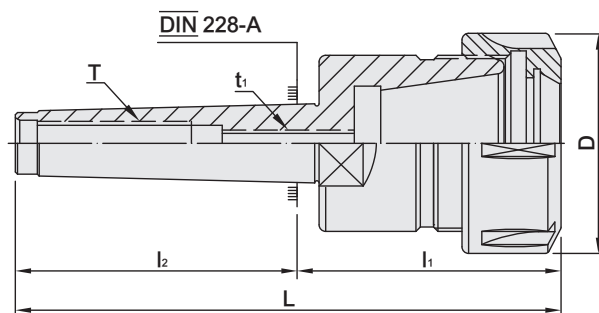


MTB / ER 銑夾頭柄

{ DIN ISO 15488 }



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	D	t ₁	T DRAW BAR	WEIGHT (KGS)
04700	MTB2 x ER20A - 52	116	52	64	35	M10 x 1.5P	M10 x 1.5P, 3/8" W16	0.45
04701	MTB2 x ER25 - 55	119	55	64	42	M10 x 1.5P	M10 x 1.5P, 3/8" W16	0.50
04702	MTB3 x ER25 - 55	136	55	81	42	M12 x 1.75P	M12 x 1.75P, 1/2" W12	0.60
04703	MTB3 x ER32 - 60	141	60	81	50	M12 x 1.75P	M12 x 1.75P, 1/2" W12	0.80
04704	MTB3 x ER40 - 70	151	70	81	63	M12 x 1.75P	M12 x 1.75P, 1/2" W12	1.30
04705	MTB4 x ER32 - 60	162.5	60	102.5	50	M16 x 2.0P	M16 x 2.0P, 5/8" W11	0.95
04706	MTB4 x ER40 - 70	172.5	70	102.5	63	M16 x 2.0P	M16 x 2.0P, 5/8" W11	1.50

R8 / ER COLLET HOLDER

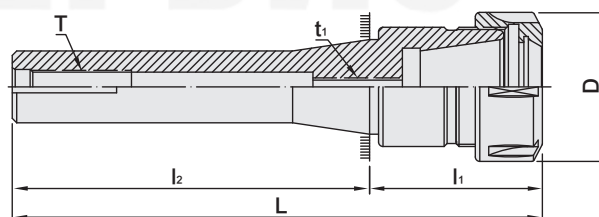


R8 / ER 銑床夾頭柄

{ DIN ISO 15488 }



T W PAT NO. M298033
 T W PAT NO. M311791
 T W PAT NO. M186381
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



MODEL NO.	TYPE	L	l ₁	l ₂	D	t ₁	T DRAW BAR	WEIGHT (KGS)
04717	R8 x ER16A - 38	136	38	101	28	M10 x 1.5P	7/16" NF20	0.65
04718	R8 x ER32 - 60	161	60	101	50	M12 x 1.75P	7/16" NF20	0.90
04719	R8 x ER40 - 65	168	65	101	63	M16 x 2.0P	7/16" NF20	1.15

Features:

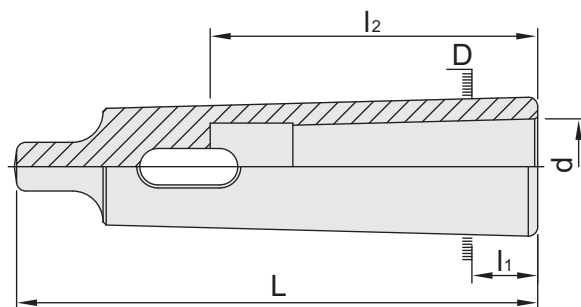
- ▶ Body's thread is ground precisely.
- ▶ Each holder has been locked with a nut, but not including the spanner.

Collet	Nut	Spanner
P.W-7~28	P.W-48	P.W-71



DRILL SLEEVE

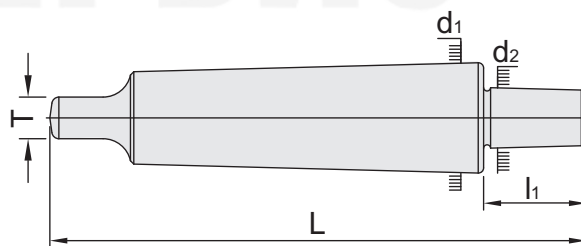
鑽頭套筒



MODEL NO.	TYPE	D	d	L	l ₁	l ₂	WEIGHT (KGS)
81002	DS - MT1 x MT2	17.78	12.065	92	17	56	0.10
81007	DS - MT2 x MT3	23.825	17.78	112	18	67	0.19
81008	DS - MT2 x MT4	31.267	17.78	124	6.5	67	0.45
81011	DS - MT3 x MT4	31.267	23.825	140	22.5	84	0.40
81014	DS - MT4 x MT5	44.399	31.267	171	21.5	107	0.96
81016	DS - MT5 x MT6	63.348	44.399	218	8	135	2.80

DRILL CHUCK ARBOR

夾頭心軸



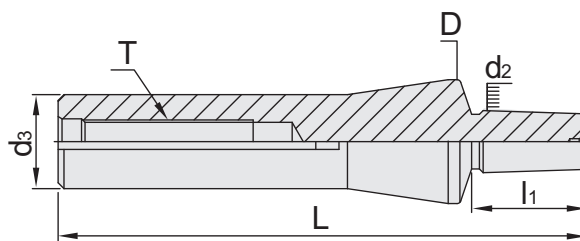
MODEL NO.	TYPE	d ₁	d ₂	L	l ₁	T	WEIGHT (KGS)
81411	MTA2 x JT6	17.78	17.17	109.4	29.4	6.3	0.19
81412	MTA2 x JT3	17.78	20.599	116	35	6.3	0.20
81418	MTA3 x JT6	23.825	17.17	128.4	29.4	7.9	0.30
81424	MTA4 x JT6	31.267	17.17	153.4	29.4	11.9	0.70
81441	MK2 x B16	17.78	15.733	112	29	6.3	0.18
81448	MK3 x B16	23.825	15.733	134	29	7.9	0.34
81454	MK4 x B16	31.267	15.733	159.5	29	11.9	0.65

Features:

- ▶ MTA=TANG TYPE ▶ Runout: 0.005mm ▶ Roundness: 0.005mm.

R8 DRILL CHUCK ARBOR

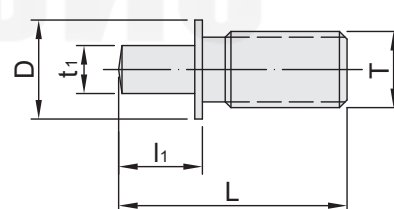
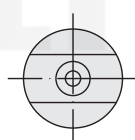
R-8 夾頭心軸



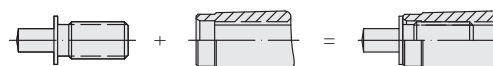
MODEL NO.	TYPE	D	d ₂	d ₃	L	l ₁	T	WEIGHT (KGS)
81501	R8 x JT33	31.75	15.85	24.1	136.4	29.4	7/16" NF 20	0.41
81502	R8 x JT6	31.75	17.17	24.1	136.4	29.4	7/16" NF 20	0.45
81503	R8 x JT3	31.75	20.599	24.1	142	35	7/16" NF 20	0.49
81511	R8 x B16	31.75	15.733	24.1	138	29	7/16" NF 20	0.45

TANG

樁舌



TANG + MTB = MTA



MODEL NO.	TYPE	D	L	l ₁	t ₁	T	WEIGHT (KGS)
83640	MT2	13	30	7	6.3	3/8" - 16	0.002
83641	MT2	13	30	7	6.3	M10 x 1.5P	0.002
83644	MT3	18	40	12	7.8	1/2" - 12	0.05
83645	MT3	18	40	12	7.8	M12 x 1.75P	0.04
83646	MT4	25	46	13	11.9	5/8" - 11	0.07
83647	MT4	25	46	13	11.9	M16 x 2.0P	0.07
83648	MT5	35	47	14	15.9	1" - 8	0.17
83649	MT5	35	47	14	15.9	M24 x 3.0P	0.17

Features:

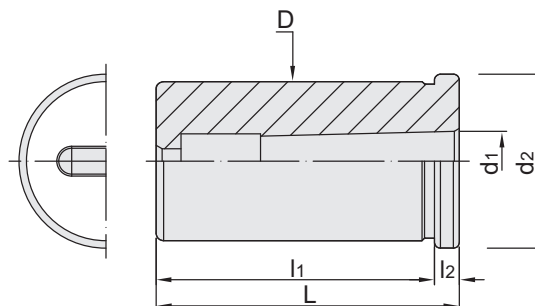
- Tang is designed for MTB, used for MTA machine, such as drilling machine or Lathe.



STRAIGHT SHANK

MORSE TAPER ADAPTER

直式鑽頭套筒



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	WEIGHT (KGS)
84131	SSC32 x MTA1	61	56	5	32	12.065	35	0.35
84132	SSC32 x MTA2	73	65	8	32	17.78	37	0.35
84133	SSC32 x MTA3	92	72	20	32	23.825	37	0.35
84134	SSC42 x MTA1	61	56	5	42	12.065	47	0.62
84135	SSC42 x MTA2	74	66	8	42	17.78	47	0.62
84136	SSC42 x MTA3	92	75	17	42	23.825	47	0.62
84137	SSC42 x MTA4	115	90	25	42	31.267	47	0.82

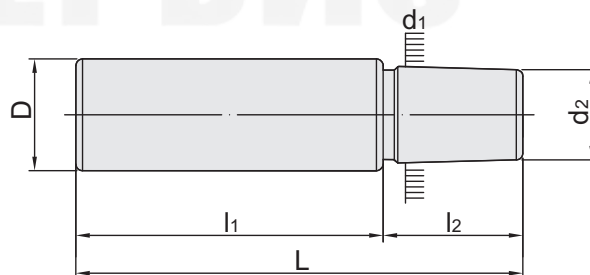
Features:

► MTA=TANG TYPE=DIN 228-B. ► SSC=Straight shank.

STRAIGHT SHANK

DRILL SLEEVE

直式夾頭心軸



MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	WEIGHT (KGS)
84141	SSC20 x JT6	20	17.17	15.851	84.4	55	29.4	0.20
84142	SSC32 x JT6	32	17.17	15.851	99.4	70	29.4	0.50
84143	SSC32 x JT3	32	20.599	18.951	105.95	70	35.95	0.60
84144	SSC42 x JT6	42	17.17	15.825	99.4	70	29.4	1.15
84145	SSC42 x JT3	42	20.599	18.951	135.95	100	35.95	1.20

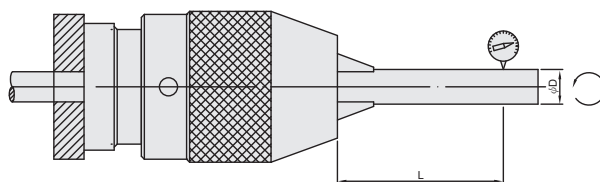
Features:

► Suitable for any Milling Chuck or spring collet.

KEYLESS DRILL CHUCK

SPECIAL HEAVY DUTY

超重力型 自動鑽夾頭



MODEL NO.	TYPE	LENGTH (CLOSED)	OUTER DIA.	CLAMPING CAPACITY	WEIGHT (KGS)
82150	08S x JT1	76	38	1 ~ 8mm 5/16"	0.17
82151	10S x JT2	92	43	1 ~ 10mm 3/8"	0.25
82153	13S x JT6	102	49	1 ~ 13mm 1/2"	0.95
82154	16S x JT6	110	55	3 ~ 16mm 5/8"	1.20
82155	08S x B10	76	38	1 ~ 8mm 5/16"	0.17
82157	10S x B12	92	43	1 ~ 10mm 3/8"	0.25
82159	13S x B16	102	49	1 ~ 13mm 1/2"	1.00
82160	16S x B16	110	55	3 ~ 16mm 5/8"	1.20
82162	16S x B18	110	55	3 ~ 16mm 5/8"	1.20

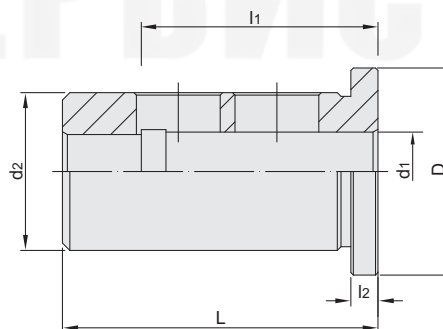
Features:

- ▶ Extremely high accuracy and precision design, suitable for CNC machines and machine centers.
- ▶ All parts are ground, heat treated, surface treated and under secure QC.

STRALGHT SLEEVE

FOR SIDE LOCK OIL HOLE HOLDER

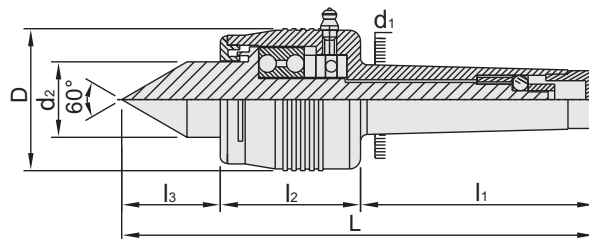
OSL 側固式油路刀把套筒



MODEL NO.	TYPE $d_2 - d_1$	D	L	l_1	l_2	WEIGHT (KGS)
18051	OSL - 20 - 16	30	54	48	5.5	0.07
18053	OSL - 25 - 16	35	60	48	5.5	0.19
18055	OSL - 25 - 20	35	60	56	5.5	0.15
18057	OSL - 32 - 16	42	64	48	5.5	0.35
18059	OSL - 32 - 20	42	64	56	5.5	0.32
18061	OSL - 32 - 25	42	64	56	5.5	0.22
18063	OSL - 40 - 16	50	74	48	5.5	0.57
18065	OSL - 40 - 20	50	74	60	5.5	0.54
18067	OSL - 40 - 25	50	74	60	5.5	0.45
18069	OSL - 40 - 32	50	74	60	5.5	0.30

OIL INJECTION ROTARY CENTER

注油式迴轉頂心



MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
82012	SC - 69M - MT4	64	31.267	31.5	210	96	58	42	1.86
82013	SC - 69M - MT5	64	44.399	31.5	237	120	58	42	2.46

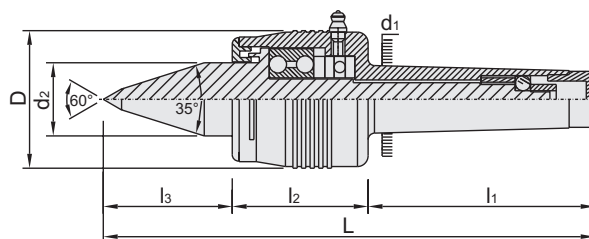
Features:

- ▶ Use large-scale point, increasing strength.
- ▶ With waterproof function, good for heat dissipation.
- ▶ It could be oil injected regularly, extending use life.
- ▶ Tip angle 60°, concentricity 0.005mm.
- ▶ Suitable for CNC lathe and high speed lathe.

OIL INJECTION ROTARY CENTER

FOR SLIM WORKPIECE

細物用注油式迴轉頂心



MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
82017	SC - 70L - MT4	64	31.267	31.5	224	108	58	58	2.24
82018	SC - 70L - MT5	64	44.399	31.5	251	135	58	58	2.90

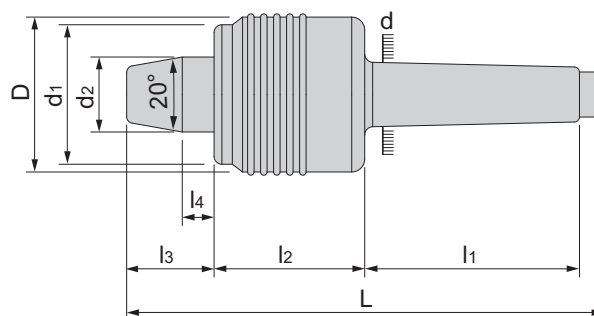
Features:

- ▶ The point is shrunk 35°, which is used to fix slim workpiece.
- ▶ With waterproof function, good for heat dissipation.
- ▶ It could be oil injected regularly, extending use life.
- ▶ Tip angle 60°, concentricity 0.005mm.
- ▶ Suitable for CNC lathe and high speed lathe.

INTERCHANGEABLE LIVE CENTER

OIL INJECTION SYSTEM

注油式替換頂心

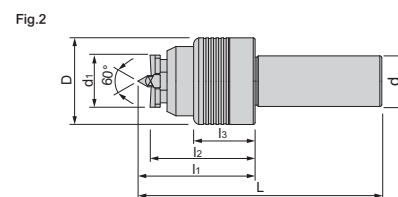
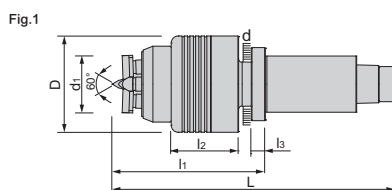


MODEL NO.	TYPE	L	D	d	d ₁	d ₂	l ₁	l ₂	l ₃	l ₄	WEIGHT (KGS)
82044	SC- 68H - MT4	199	64	31.267	58	31.6	96	58	33	13	2.24
82045	SC - 68H - MT5	226	64	44.399	58	31.6	120	58	33	13	3.10

68H-6A	68H-8A	68H-10A	68H-15A	68H-35A	68H-A

AUTOMATIC ADJUSTABLE INSERTED CENTER

自動可調式插式頂心



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d	d ₁	Fig.	WEIGHT (KGS)
82062	SC - 66A - MT4	203	109	48	10	68.5	31.267	40.5	1	2.52
82064	SC - 66B - C40	203	92	82.7	48	68.5	40	40.5	2	2.12

PART NO	RANGE	TYPE A	PART NO	RANGE	TYPE B
TYPE A	10 ~ 60		TYPE B	15 ~ 35	

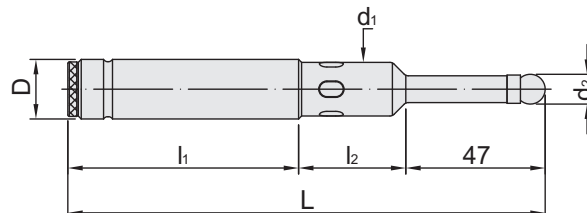
- ▶ The center cylinder can be adjusted automatically when the workpiece is uneven.
- ▶ Center pointer and Center cylinder can be used interchangeably.



OPTICAL EDGE FINDER

TOUCH POINT SENSOR

光電式尋邊器



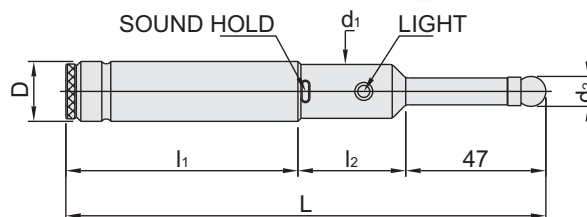
MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	BATTERY TYPE	WEIGHT (KGS)
83301	OP - 20	20	18	10	160	79	34	UM - 5(SP) 2P/R1/1.5V	0.3
83302	OP - 32	32	18	10	160	79	34	UM - 5(SP) 2P/R1/1.5V	0.6

Features:

- ▶ Quickly locate working edges.
 - ▶ Save time to find positions, for Milling Machine, Jig borers, and other machine tools.
- HIGH SENSIBLE POSITION MEASURING
- ▶ Uses dry batteries to light the red bulb.
 - ▶ The scope of application includes edge surface, inside and outside diameters and high efficiency.
 - ▶ There is a safety spring puller, which will put a ball precisely back to the position when ball breaks away from ball seat.

E.S. OPTICAL EDGE FINDER

警示鳴音 光電尋邊器



T W PAT NO. M319837
T W PAT NO. 93911

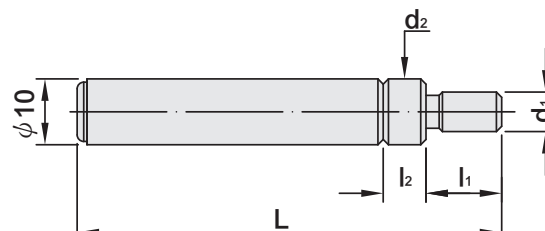
MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	BATTERY TYPE	WEIGHT (KGS)
83311	ES - 20	20	18	10	160	79	41	UM5 [#] x 2pcs	0.35
83312	ES - 32	32	18	10	160	79	41	UM5 [#] x 2pcs	0.60

Features:

- ▶ The red lamp can concentrate light and resist water.
- ▶ It will beep at the same time when the red lamp is on.
- ▶ When probe is in a deep hole you can't see the red light, but you can hear the sound.

MECHANICAL EDGE FINDER

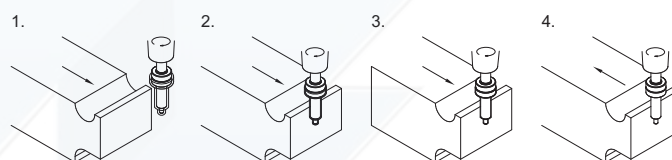
偏心式尋邊器



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
83352	ME610	65	11.5	6.5	φ 6	φ 10	0.03
83342	HME610	65	11.5	6.5	φ 6	φ 10	0.03

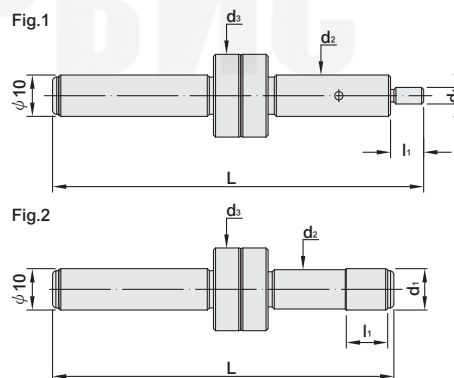
Features:

- ▶ Accuracy of the point to point is within 0.002mm.
- ▶ Revolution within 400-600RPM.
- ▶ Max. flange is clear for our sight.
- ▶ 4mm is the min. hole that could be tested.
- ▶ Suitable for milling machine, drilling machine, and boring machine.



MECHANICAL EDGE FINDER

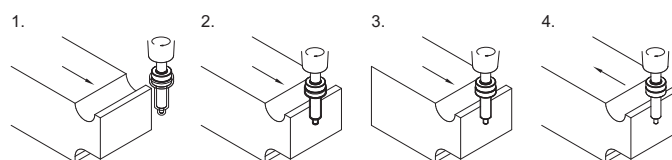
偏心式尋邊器



MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	d ₃	Fig	WEIGHT (KGS)
83354	ME420	90	8	φ 4	φ 10	φ 20	1	0.06
83344	HME420	90	8	φ 6	φ 10	φ 20	1	0.06
83356	ME1020	82.8	10	φ 10	φ 10	φ 20	2	0.06
83346	HME1020	82.8	10	φ 10	φ 10	φ 20	2	0.06

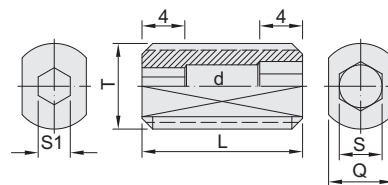
Features:

- ▶ Accuracy of the point to point is within 0.002mm.
- ▶ Revolution within 400-600RPM.
- ▶ Max. flange is clear for our sight.
- ▶ 4mm is the min. hole that could be tested.
- ▶ Suitable for milling machine, drilling machine, and boring machine.



SCREW

給水型擋刀螺絲



COOLANT PRESET SCREW



MODEL NO.	T	L	d	S	S1	Q	WEIGHT (KGS)
19192	M5 x 0.8P	15	2	2	2	3	0.003
19193	M6 x 1.0P	15	3	2.5	2.5	4	0.003
19194	M8 x 1.25P	15	4	4	3	6	0.005
19195	M10 x 1.5P	15	5	5	4	8	0.005
19196	M12 x 1.75P	15	6	6	5	10	0.01
19197	M16 x 2.0P	25	6	8	6	14	0.01
19198	M20 x 2.0P	25	6	10	8	18	0.03

給水型擋刀螺絲

COOLANT PRESET SCREW



MODEL NO.	TYPE	WEIGHT (KGS)	MODER NO.	TYPE	WEIGHT (KGS)
16080C - 20	M5 x 0.8P - 20	0.002	16090C - 25	M18 x 1.5P - 25	0.02
16081C	M6 x 1.0P - 15	0.003	16091C	M20 x 2.0P - 15	0.03
16082C	M8 x 1.25P - 15	0.005	16092C - 25	M22 x 1.5P - 25	0.03
16083C	M10 x 1.5P - 15	0.005	16093C	M24 x 2.0P - 15	0.05
16085C	M12 x 1.75P - 15	0.01	16095C - 30	M28 x 2.0P - 30	0.05
16089C	M16 x 2.0P - 15	0.01			

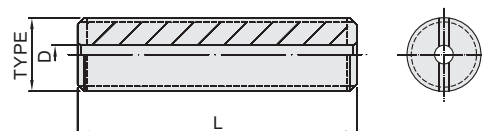
擋刀螺絲

PRESET SCREW



MODEL NO.	TYPE	WEIGHT (KGS)	MODER NO.	TYPE	WEIGHT (KGS)
16081	M6 x 1.0P - 15	0.003	16089	M16 x 2.0P - 15	0.03
16082	M8 x 1.25P - 15	0.005	16091	M20 x 2.0P - 15	0.03
16083	M10 x 1.5P - 15	0.01	16093	M24 x 2.0P - 15	0.05
16085	M12 x 1.75P - 15	0.01			

MLD 設定螺絲



SET SCREW



MODEL NO.	TYPE	L	D	WEIGHT (KGS)
15946 - 1	M12 x 1.75P	40	φ 4	0.03
15947 - 1	M16 x 2.0P	60	φ 4	0.05
15947 - 4	M16 x 2.0P	35	φ 4	0.05
15947 - 2	5/8" - 11UNC	60	φ 4	0.07
15947 - 3	5/8" - 11UNC	35	φ 4	0.07
15948 - 1	M24 x 3.0P	60	φ 4	0.18
15948 - 2	1" - 8UNC	60	φ 4	0.20

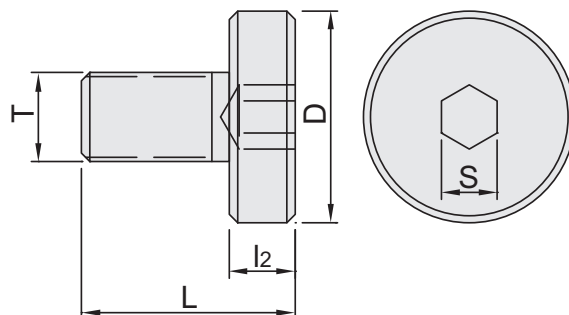
► FOR Multi-lock collet chucks.



SHELL MILL SCREW

SPECIALLY USED FOR CAT INCH FINE THREAD

華司螺絲 [專用於CAT英制細牙平面銑刀柄]



STANDARD TYPE

MODEL NO.	TYPE	D	L	l ₂	T	S	WEIGHT (KGS)
WF - 0.5	FMA screw 1/2 "	15.875	21.336	8.636	1/4" - 28UNF	3/16"	0.01
WF - 0.5 - 1.5	FMA screw 1/2 "	15.875	46.736	8.636	1/4" - 28UNF	3/16"	0.04
WF - 0.75	FMA screw 3/4 "	22.225	34.798	9.398	3/8" - 24UNF	1/4"	0.04
WF - 0.75 - 1.5	FMA screw 3/4 "	22.225	47.498	9.398	3/8" - 24UNF	1/4"	0.06
WF - 1	FMA screw 1 "	30.163	34.798	9.398	1/2" - 20UNF	5/16"	0.06
WF - 1 - 1.75	FMA screw 1 "	30.163	53.848	9.398	1/2" - 20UNF	5/16"	0.08
WF - 1.25	FMA screw 1-1/4 "	38.1	44.45	12.7	5/8" - 18UNF	5/16"	0.16
WF - 1.25 - 1.75	FMA screw 1-1/4 "	38.1	57.15	12.7	5/8" - 18UNF	5/16"	0.20
WF - 1.5	FMA screw 1-1/2 "	47.625	44.45	12.7	3/4" - 16UNF	3/8"	0.24
WF - 1.5 - 1.75	FMA screw 1-1/2 "	47.625	57.15	12.7	3/4" - 16UNF	3/8"	0.27
WF - 2	FMA screw 2 "	63.5	50.8	12.7	1" - 14UNF	1/2"	0.42
WF - 2 - 2	FMA screw 2 "	63.5	63.5	12.7	1" - 14UNF	1/2"	0.60
WF - 2.5	FMA screw 2-1/2 "	79.375	57.15	12.7	1" - 14UNF	1/2"	0.60

COOLANT TYPE

W.F.C1 - 0.5	FMA screw 1/2 "	15.875	21.336	8.636	1/4" - 28UNF	3/16"	0.01
W.F.C1 - 0.5 - 1.5	FMA screw 1/2 "	15.875	46.736	8.636	1/4" - 28UNF	3/16"	0.04
W.F.C1 - 0.75	FMA screw 3/4 "	22.225	34.798	9.398	3/8" - 24UNF	1/4"	0.04
W.F.C1 - 0.75 - 1.5	FMA screw 3/4 "	22.225	47.498	9.398	3/8" - 24UNF	1/4"	0.06
W.F.C1 - 1	FMA screw 1 "	30.163	34.798	9.398	1/2" - 20UNF	5/16"	0.06
W.F.C1 - 1 - 1.75	FMA screw 1 "	30.163	53.848	9.398	1/2" - 20UNF	5/16"	0.08
W.F.C1 - 1.25	FMA screw 1-1/4 "	38.1	44.45	12.7	5/8" - 18UNF	5/16"	0.16
W.F.C1 - 1.25 - 1.75	FMA screw 1-1/4 "	38.1	57.15	12.7	5/8" - 18UNF	5/16"	0.20
W.F.C1 - 1.5	FMA screw 1-1/2 "	47.625	44.45	12.7	3/4" - 16UNF	3/8"	0.24
W.F.C1 - 1.5 - 1.75	FMA screw 1-1/2 "	47.625	57.15	12.7	3/4" - 16UNF	3/8"	0.27
W.F.C1 - 2	FMA screw 2 "	63.5	50.8	12.7	1" - 14UNF	1/2"	0.42
W.F.C1 - 2 - 2	FMA screw 2 "	63.5	63.5	12.7	1" - 14UNF	1/2"	0.60
W.F.C1 - 2.5	FMA screw 2-1/2 "	79.375	57.15	12.7	1" - 14UNF	1/2"	0.60

Features:

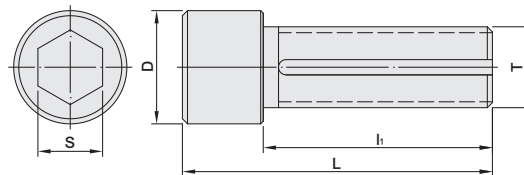
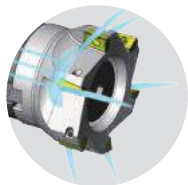
- For face mill arbors.



SCREW WITH COOLANT FLUTE

SPECIALLY USED FOR ALL TAPERS OF FACE MILL ARBORS EXCEPT CAT

給水槽螺絲 [專用於CAT以外所有錐度之平面銑刀柄]



MODEL NO.	TYPE	L	l ₁	D	S	T	SUITABLE TOOL HOLDER	WEIGHT (KGS)
FMC - M10 - 35	M10 x 1.5P - 35	45	35	16	8	M10 x 1.5P	FMB 22	0.02
FMC - M12 - 30	M12 x 1.75P - 30	42	30	18	10	M12 x 1.75P	FMB 27 / 32	0.04
FMC - M12 - 35	M12 x 1.75P - 35	47	35	18	10	M12 x 1.75P	FMB 27 / 32	0.04
FMC - M16 - 50	M16 x 2.0P - 50	66	50	24	14	M16 x 2.0P	FMB 40	0.10
FMC - 12.7 - 38.1	1/2" - 12W - 38.1	50.8	38.1	19.05	9.525	1/2" - 12W	FMA 25.4 / 31.75	0.04
FMC - 15.875 - 38.1	5/8" - 11W - 38.1	53.975	38.1	22.225	14	5/8" - 11W	FMA 38.1	0.08
FMC - 15.875 - 45	5/8" - 11W - 45	60.875	45	22.225	14	5/8" - 11W	FMA 50.8	0.10

Features:

- For face mill arbors to achieve coolant through cutters.

END MILL HOLDER REPLACEMENT LOCK SCREW

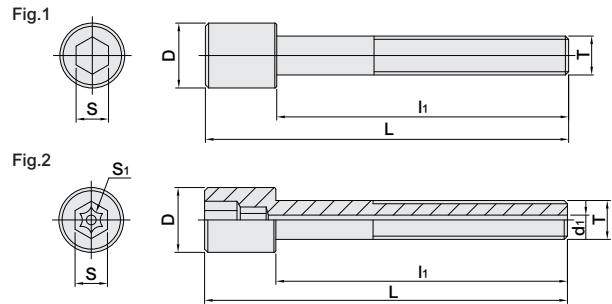
側固螺絲



MODEL NO.	TYPE	LENGTH	MODEL NO.	TYPE	LENGTH
17125 - SCREW	M12 x 1.75P	15	22911 - SCREW	1/4-28UNF	5/16"
17126 - SCREW	M14 x 2.0P	16	22913 - SCREW	5/16-24UNF	5/16"
17136 - SCREW	M16 x 2.0P	16	22915 - SCREW	3/8-24UNF	3/8"
17137 - SCREW	M18 x 2.0P	20	22917 - SCREW	7/16-20UNF	3/8"
17138 - SCREW	M20 x 2.0P	20	22919 - SCREW	1/2-20UNF	7/16"
17166 - SCREW	M24 x 2.0P	25	22921 - SCREW	5/8-18UNF	1/2"
22907 - SCREW	6# - 32UNC	5/16"	22927.1 - SCREW	3/4-16UNF	5/8"
22909 - SCREW	8# - 32UNC	1/4"	22951 - SCREW	1-14UNF	7/8"

SCREW FOR SBL & SBLC COLLET CHUCK

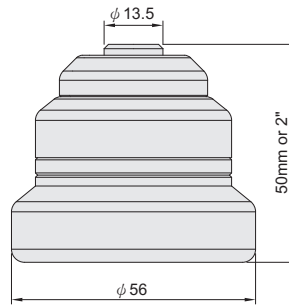
後拉螺絲



MODEL NO.	TYPE	L	l ₁	D	d ₁	S	S ₁	T	Fig
SBL - M6 - 15	M6 x 1.0P - 15	26	15	10	-	5	-	M6	1
SBL - M6 - 20	M6 x 1.0P - 20	31	20	10	-	5	-	M6	1
SBL - M6 - 25	M6 x 1.0P - 25	36	25	10	-	5	-	M6	1
SBL - M6 - 30	M6 x 1.0P - 30	41	30	10	-	5	-	M6	1
SBL - M6 - 35	M6 x 1.0P - 35	46	35	10	-	5	-	M6	1
SBL - M6 - 40	M6 x 1.0P - 40	51	40	10	-	5	-	M6	1
SBL - M6 - 45	M6 x 1.0P - 45	56	45	10	-	5	-	M6	1
SBL - M6 - 50	M6 x 1.0P - 50	61	50	10	-	5	-	M6	1
SBL - M6 - 55	M6 x 1.0P - 55	66	55	10	-	5	-	M6	1
SBL - M6 - 60	M6 x 1.0P - 60	71	60	10	-	5	-	M6	1
SBL - M6 - 65	M6 x 1.0P - 65	76	65	10	-	5	-	M6	1
SBL - M6 - 70	M6 x 1.0P - 70	81	70	10	-	5	-	M6	1
SBL - M6 - 75	M6 x 1.0P - 75	86	75	10	-	5	-	M6	1
SBL - M6 - 100	M6 x 1.0P - 100	111	100	10	-	5	-	M6	1
SBL - M6 - 130	M6 x 1.0P - 130	141	130	10	-	5	-	M6	1
SBL - M6CT - 15	M6 x 1.0P - 15	26	15	10	1.5	5	T20	M6	2
SBL - M6CT - 20	M6 x 1.0P - 20	31	20	10	1.5	5	T20	M6	2
SBL - M6CT - 25	M6 x 1.0P - 25	36	25	10	1.5	5	T20	M6	2
SBL - M6CT - 35	M6 x 1.0P - 35	46	35	10	1.5	5	T20	M6	2
SBL - M6CT - 40	M6 x 1.0P - 40	51	40	10	1.5	5	T20	M6	2
SBL - M6CT - 45	M6 x 1.0P - 45	56	45	10	1.5	5	T20	M6	2
SBL - M6CT - 50	M6 x 1.0P - 50	61	50	10	1.5	5	T20	M6	2
SBL - M6CT - 55	M6 x 1.0P - 55	66	55	10	1.5	5	T20	M6	2
SBL - M6CT - 60	M6 x 1.0P - 60	71	60	10	1.5	5	T20	M6	2
SBL - M6CT - 65	M6 x 1.0P - 65	76	65	10	1.5	5	T20	M6	2
SBL - M6CT - 70	M6 x 1.0P - 70	81	70	10	1.5	5	T20	M6	2
SBL - M6CT - 80	M6 x 1.0P - 80	91	80	10	1.5	5	T20	M6	2
SBL - M6CT - 85	M6 x 1.0P - 85	96	85	10	1.5	5	T20	M6	2
SBL - M6CT - 100	M6 x 1.0P - 100	111	100	10	1.5	5	T20	M6	2
SBL - M6CT - 130	M6 x 1.0P - 130	141	130	10	1.5	5	T20	M6	2
SBL - M10 - 20	M10 x 1.5P - 20	30	20	13.8	-	6	-	M10	1
SBL - M10 - 25	M10 x 1.5P - 25	35	25	13.8	-	6	-	M10	1
SBL - M10 - 35	M10 x 1.5P - 35	45	35	13.8	-	6	-	M10	1
SBL - M10 - 55	M10 x 1.5P - 55	65	55	13.8	-	6	-	M10	1
SBL - M10CT - 20	M10 x 1.5P - 20	30	20	13.8	3	6	T20	M10	2
SBL - M10CT - 25	M10 x 1.5P - 25	35	25	13.8	3	6	T20	M10	2
SBL - M10CT - 35	M10 x 1.5P - 35	45	35	13.8	3	6	T20	M10	2
SBL - M10CT - 55	M10 x 1.5P - 55	65	55	13.8	3	6	T20	M10	2
SBL - M12 - 30	M12 x 1.75P - 30	42	30	13.8	-	8	-	M12	1
SBL - M12 - 52	M12 x 1.75P - 52	64	52	13.8	-	8	-	M12	1
SBL - M12 - 102	M12 x 1.75P - 102	114	102	13.8	-	8	-	M12	1
SBL - M12 - 6 - 30	M12 x 1.75P - 30	42	30	13.8	-	6	-	M12	1
SBL - M12 - 6 - 52	M12 x 1.75P - 52	64	52	13.8	-	6	-	M12	1
SBL - M12 - 6 - 102	M12 x 1.75P - 102	114	102	13.8	-	6	-	M12	1
SBL - M12CT - 30	M12 x 1.75P - 30	42	30	13.8	2	8	T20	M12	2
SBL - M12CT - 52	M12 x 1.75P - 52	64	52	13.8	2	8	T20	M12	2
SBL - M12CT - 6 - 30	M12 x 1.75P - 30	42	30	13.8	2	6	T20	M12	2
SBL - M12CT - 6 - 52	M12 x 1.75P - 52	64	52	13.8	2	6	T20	M12	2

Z AXIAL PRESET GAUGE

ZOP - 50 光電式 Z軸設定器



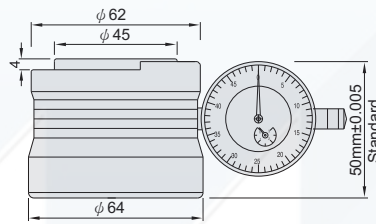
OPTICAL TYPE

MODEL NO.	TYPE	WEIGHT (KGS)
17905	ZOP - 50	0.5

Features:

- ▶ With magnetic base.
- ▶ The red lamp will be on when being touched.
- ▶ Accuracy 0.005mm.
- ▶ Used for vertical and horizontal machining centers.

ZSI - 50 Z軸設定器 無磁性 外插量錶式



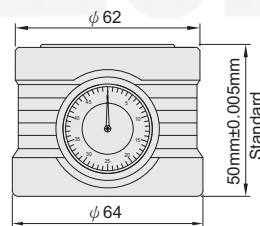
SIMPLE TYPE

MODEL NO.	TYPE	WEIGHT (KGS)
17906	ZSI - 50	1.35

Features:

- ▶ Without magnetic base.
- ▶ Accuracy 0.005mm.

ZDS - 50J Z軸設定器 有磁性 內藏量錶式



MAGNETIC TYPE

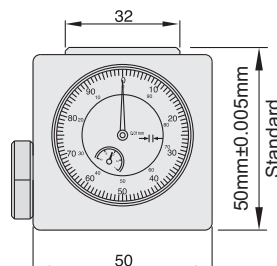
MODEL NO.	TYPE	WEIGHT (KGS)
17909 - J	ZDS - 50J	1.35

Features:

- ▶ With magnetic base.
- ▶ Accuracy 0.005mm.

T W PAT NO. M250749

ZDI - 50 量錶式 Z軸設定器



INDICATOR TYPE

MODEL NO.	TYPE	WEIGHT (KGS)
17908	ZDI - 50	1.01

Features:

- ▶ With magnetic base.
- ▶ Accuracy 0.005mm.

T W PAT NO. M262301
C N PAT NO. ZLZL02201019X



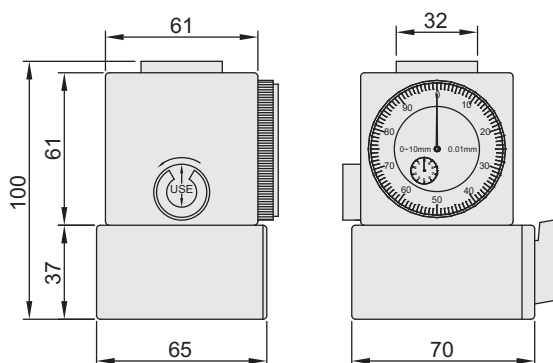
ZDI-100 Z AXIAL PRESET GAUGE

INDICATOR TYPE

ZDI - 100 量錶式 Z軸設定器



T W PAT NO. M262301
T W PAT NO. M289094

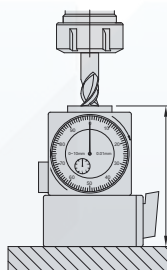


INDICATOR TYPE

MODEL NO.	TYPE	WEIGHT (KGS)
17910	ZDI - 100	2.24

Features:

- ▶ Height: 100mm.
- ▶ With magnetic design. The magnetism can be turned on or turned off by adjusting the switch.
- ▶ Adjust the dial indicator to "zero".
- ▶ Dial indicator for each increment: 0.01mm.
- ▶ Magnetic capacity: 80kg.

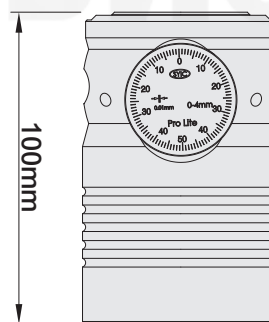


▶ When the tool touches the top of the gauge and both dial indicators read zero, the cutter distance is now 100mm above the workpiece.

ZSW-100 Z AXIAL PRESET GAUGE

MAGNETIC

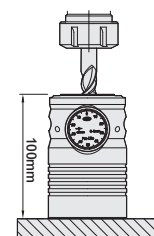
ZSW - 100 Z軸設定器 有磁性內藏量錶式



INDICATOR TYPE

MODEL NO.	TYPE	WEIGHT (KGS)
17911	ZSW - 100	1.9

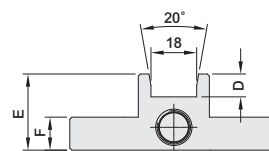
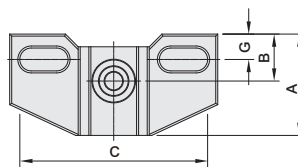
- ▶ Put the whole unit on the work piece. When cutter touched the probe face, please feed slowly until the needle shows "0." The cutter distance is now 50mm above the work piece.



FIXED BLOCK

FOR OIL HOLE HOLDER

油路刀把用定位塊



MODEL NO.	TYPE	A	B	C	D	E	F	G	WEIGHT (KGS)
18292	SFB - 3	40	18.5	45~65	9	30	13	10	0.30

MAШCЕРBИС

TOOL HOLDER LOCKING DEVICE

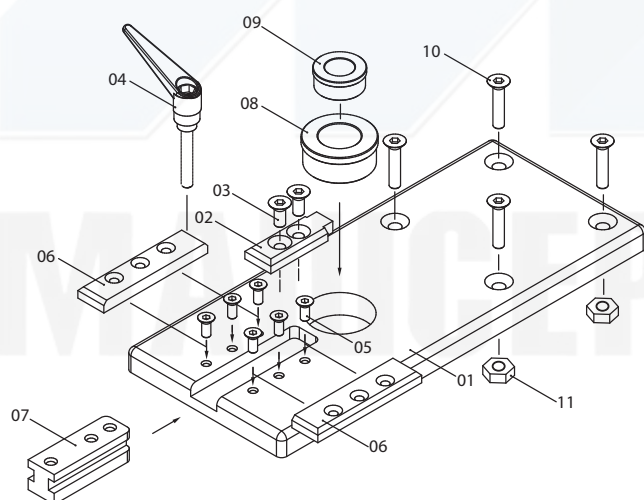
FOR BT & HSK TOOL HOLDERS

鎖刀座



TW PAT NO. M262301
TW PAT NO. M340137
CN PAT NO. ZL200620102786.8

MODEL NO.	TYPE	02 FIXED BLOCK		08 ADAPTER		09 ADAPTER	
		MODEL NO.	TYPE	MODEL NO.	TYPE	MODEL NO.	TYPE
301.10	BT30	301.11.02	BT40	301.122.08	AD50	301.10.09	BT30
301.11	BT40	301.11.02	BT40	301.122.08	AD50	301.11.09	BT40
301.12	BT50	301.12.02	BT50	301.12.08	BT50	-	-
301.73	HSK63A	301.73.02	HSK63A	301.122.08	AD50	301.73.09	HSK63A
301.75	HSK100A	301.75.02	HSK100A	301.75.08	HSK100A	-	-



NO.	NAME OF EACH PART
01	FIXED PLATE
02	FIXED BLOCK
03	SCREW
04	FIXED HANDLE
05	SCREW
06	FIXED SPACER
07	SLIDING BLOCK
08	ADAPTER
09	ADAPTER
10	SCREW
11	NUT

Features:

- ▶ AD50 commonly-used 08 ADAPTER can be changed into BT30, BT40 and HSK63A all together by matching 09 ADAPTERS.



TOOL HOLDER LOCKING DEVICE



Don't use hammer

鎖刀座

A TYPE

MODEL NO.	TYPE	MODEL NO.	TYPE
LD - BT30A	BT30	LD - DIN40A	DAT40
LD - BT40A	BT40	LD - DIN50A	DAT50
LD - BT50A	BT50	301.LD - SBT30A	SBT30
LD - CAT40A	CAT40	301.LD - SBT40A	SBT40
LD - CAT50A	CAT50	301.LD - SBT50A	SBT50

- ▶ Cast iron body.
- ▶ Horizontal tool rest: aluminum alloy, extending use life.
- ▶ Vertical tool rest: aluminum.

B TYPE

MODEL NO.	TYPE
LD - 30B	#30
LD - 40B	#40
LD - 50B	#50

- ▶ Aluminum alloy body. ▶ Used for vertical and horizontal direction.
- ▶ To fix the tool holders with screw. ▶ Compatible with BT, CAT, DAT, SBT, SCAT, SDAT, NT tapers.

LDC TYPE

MODEL NO.	TYPE	MODEL NO.	TYPE
LDC - BT15	BT15	LDC - CAT40	CAT40
LDC - BT20	BT20	LDC - CAT50	CAT50
LDC - BT30	BT30	LDC - DAT40	DAT40
LDC - BT40	BT40	LDC - DAT50	DAT50
LDC - BT50	BT50		

LDC TYPE

MODEL NO.	TYPE
LDC - HSK63A	HSK63A
LDC - HSK100A	HSK100A

- ▶ Used for HSK-A type tool holders.
- ▶ To fix the drive keys of HSK-A type tool holders with screws.

LDC TYPE

MODEL NO.	TYPE	MODEL NO.	TYPE
LDC - HSK32	HSK32A, HSK32E, PSC32	LDC - ISO20	ISO20
LDC - HSK40	HSK40A, HSK40E, HSK40F, PSC40	LDC - ISO25	ISO25
LDC - HSK50	HSK50A, HSK50E, HSK50F, PSC50	LDC - ISO30	ISO30(flange OD size: 46mm)
LDC - HSK63	HSK63A, HSK63E, HSK63F, PSC63	LDC - DIN30	DAT30, ISO30(flange OD size: 50mm)

- ▶ Compatible with tool holders with the same flange diameters.

LDCB TYPE

MODEL NO.	TYPE
LDCB - HSK40	HSK40A, HSK40E, HSK40F, PSC40
LDCB - HSK50	HSK50A, HSK50E, HSK50F, PSC50
LDCB - HSK63	HSK63A, HSK63E, HSK63F, PSC63

- ▶ Needle roller bearing increases the clamping force.

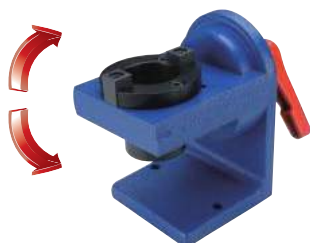


ROTATION TYPE TOOL HOLDER LOCKING DEVICE



Don't use hammer

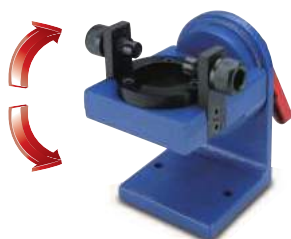
鎖刀座



BT TYPE

MODEL NO.	TYPE
LDA - BT30	BT30
LDA - BT40	BT40

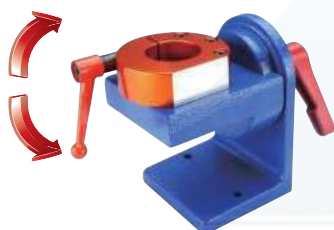
- ▶ Also used for drawbar clamping type tool holders (SBL, HBL, EBL).
- ▶ Rotation angles: 95°, 45°, 180°.



HSK TYPE

MODEL NO.	TYPE
LDA - HSK63A	HSK63A

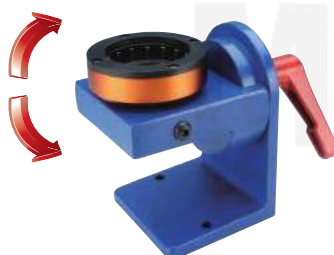
- ▶ Also used for drawbar clamping type tool holders (SBL, HBL, EBL).
- ▶ Rotation angles: 95°, 45°, 180°. ▶ To fix the drive keys of HSK-A type tool holders with screws.



LDA TYPE

MODEL NO.	TYPE	MODEL NO.	TYPE
LDA - HSK32	HSK32A, HSK32E, PSC32	LDA - ISO20	ISO20
LDA - HSK40	HSK40A, HSK40E, HSK40F, PSC40	LDA - ISO25	ISO25
LDA - HSK50	HSK50A, HSK50E, HSK50F, PSC50	LDA - ISO30	ISO30(flange OD size: 46mm)
LDA - HSK63	HSK63A, HSK63E, HSK63F, PSC63	LDA - DIN30	DAT30, ISO30(flange OD size: 50mm)

- ▶ Also used for drawbar clamping type tool holders (SBL, HBL, EBL).
- ▶ Rotation angles: 95°, 45°, 180°. ▶ Compatible with tool holders with the same flange diameters.



LDAB TYPE

MODEL NO.	TYPE
LDAB - HSK50	HSK50
LDAB - HSK63	HSK63

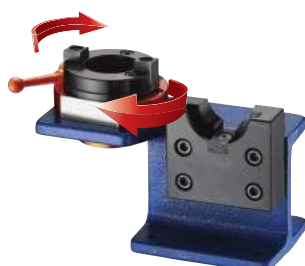
- ▶ Also used for drawbar clamping type tool holders (SBL, HBL, EBL).
- ▶ Rotation angles: 95°, 45°, 180°. ▶ Needle roller bearing increases the clamping force.



LDC TYPE

MODEL NO.	TYPE
LDC - BT40R	BT40

- ▶ Rotation type can be rotated 360° horizontally.
- ▶ Used for indexable cutting tools with more convenience to change inserts.



LD TYPE

MODEL NO.	TYPE
LD - BT40AR	BT40

- ▶ Rotation type can be rotated 360° horizontally.
- ▶ Used for indexable cutting tools with more convenience to change inserts.



SPINDLE TAPER WIPER

主軸清潔棒



MODEL NO.	TYPE	WEIGHT (KGS)
17703	#30	0.03
17704	#40	0.04
17705	#50	0.07

Features:

- ▶ For cleaning the oil or particles from machine spindle.
- ▶ Material: non-woven fabric.



MODEL NO.	TYPE	WEIGHT (KGS)
17706	#30B	0.03
17707	#40B	0.04
17708	#50B	0.07

Features:

- ▶ For cleaning the oil or particles from machine spindle.
- ▶ Material: wool, which can prevent static electricity when cleaning the spindle taper and has better use life and cleaning effect.



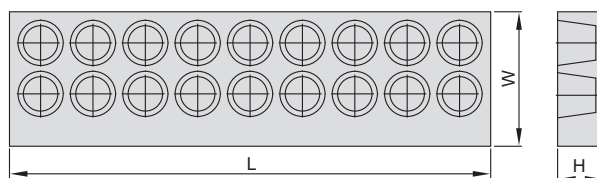
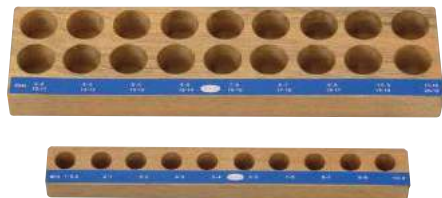
MODEL NO.	TYPE	WEIGHT (KGS)
38030	HSK40	0.08
38032	HSK50A - 63F - 50E	0.06
38036	HSK63A - 80F	0.08
38038	HSK100	0.50

Features:

- ▶ For cleaning the oil or particles from machine spindle.
- ▶ Material: non-woven fabric.

ER COLLET WOODEN TRAY

ER筒夾木盤



MODEL NO.	TYPE	L	W	H	Q'TY	WEIGHT (KGS)
04282	ER 8	210	20	13	9	0.01
04284	ER 11	210	20	13	13	0.01
04286	ER 16	275	35	22	10	0.14
04288	ER 20	275	35	22	12	0.12
04290	ER 25	275	77	26	16	0.18
04292	ER 32	340	90	30	18	0.48
04294	ER 40	265	210	38	24	0.76
04296	ER 50	235	210	37	12	0.64

МАШСЕРВИС

BOX

包裝盒



MODEL NO.	TYPE	FULL PCS/SET	MATERIAL	SIZE	WEIGHT (KGS)
04242	SLC6 / SLC12 / SLC20	6	Plastic	350 x 396 x 100	1.90
04244	SKS6 / SKS10	6	Plastic	350 x 396 x 100	1.90
04245	SKS13 / SKS16	6	Plastic	350 x 396 x 100	1.90
04246	SKS20 / SKS25	6	Plastic	350 x 396 x 100	1.90
04252	ER8 / ER 11	13	Wooden	223 x 75 x 95	0.20
04254	ER16	10	Wooden	240 x 130 x 80	0.50
04256	ER16 / ER20	10	Plastic	310 x 150 x 50	0.30
04258	ER20	12	Wooden	290 x 140 x 80	0.50
04262	ER25	15	Wooden	285 x 160 x 80	0.40
04264	ER25	15	Plastic	320 x 240 x 100	0.90
04266	ER32	18	Wooden	275 x 160 x 110	1.10
04268	ER32	18	Plastic	320 x 240 x 100	0.90
04270	ER40	23	Wooden	410 x 240 x 110	1.80
04272	ER40	7	Plastic	320 x 240 x 100	0.90
04274	ER50	17	Wooden	445 x 305 x 125	2.80
83693	EOC 25	7	Wooden	300 x 165 x 90	1.00
83694	EOC 25	15	Wooden	315 x 235 x 90	0.80
83695	EOC 25	7 or 15	Wooden	305 x 280 x 110	1.80
83696	EOC 25	7 or 15	Plastic	300 x 165 x 90	1.00
83697	EOC 32	8	Wooden	305 x 240 x 110	1.90
83698	EOC 32	16	Wooden	445 x 295 x 130	3.20
83699	EOC 32	8 or 16	Plastic	320 x 240 x 100	0.90

Product information:

- ▶ Plastic boxes will not get broken easily and is easy to deliver.
- ▶ ISO#50 should be used with wooden box.
- ▶ The same type of box is suitable for the complete set or the required sizes of collets from customers.
- ▶ There is EVA inserted lining inside ER8 & ER11's wooden box.
- ▶ There's EVA inserted lining inside ER32 & ER40's plastic box.
- ▶ When ordering EOC25 wooden box, please indicate 7 pcs or 15 pcs needed.
- ▶ The plastic box for EOC25 7pcs and 5pcs is the same.
- ▶ EOC32 plastic case, empty inside but with a 16 hole of EVA insert lining, 8pcs or 16pcs are the same one.
- ▶ EOC25 NT50 or EOC32 NT50 must use wooden box.

COMPLETE KIT TECHNICAL INFO. CATEGORY

ER COLLET SET	X-2
ER MILLING CHUCK SET	X-3
ER COLLET CHUCK SET	X-4
SHIN-YAIN MILLING CHUCK SET	X-5
EOC 32 MILLING CHUCK SET	X-6
TG 100 MILLING CHUCK SET	X-7
SKS/SBL/MLD COLLET CHUCK FULL SET	X-8
BALANCE STANDARD FORMULA LIST	Y-1
REFERENCE DETAILS	Y-2~3

ER COLLET SET

ER 彈性筒夾組

(DIN ISO 15488)



MODEL NO.	PCS / SET	COLLET KIT			WEIGHT (KGS)
04200	ER8 x 9	5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1			0.15
04201	ER11 x 13	7, 6.5, 6, 5.5, 5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1			0.23
04202	ER16 x 10	10, 9, 8, 7, 6, 5, 4, 3, 2, 1			0.40
04203	ER20 x 12	13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2			0.60
04204	ER25 x 15	16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2			1.70
04205	ER32 x 18	20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3			2.60
04206	ER40 x 23	26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4			6.60
04207	ER50 x 17	34, 32, 30, 28, 26, 24, 22, 20, 18, 16, 14, 12, 10, 9, 8, 7, 6			8.45
L mm	D mm	CONCENTRICITY	ER-UP CLASS	ER-A CLASS	
6	1.0 - 1.4	0.015	0.005	0.01	
10	1.5 - 2.9	0.015	0.005	0.01	
16	3.0 - 5.9	0.015	0.005	0.01	
25	6.0 - 9.9	0.015	0.005	0.01	
40	10.0 - 17.9	0.020	0.005	0.01	
50	18.0 - 26.9	0.020	0.005	0.01	
60	27.0 - 34.0	0.020	0.005	0.01	

- ▶ UP = Ultra Precision
- ▶ ER-UP collets must be used with HSP Clamping Nut.
- ▶ The shank's concentricity must be less than h6.

Product information:

- ▶ Substitution for point 5 types is acceptable; price needs to be quoted additionally.
- ▶ ER8, ER11 and ER50 collets are packed with wooden boxes; ER16, ER20, ER25, ER32 and ER40 with plastic boxes.
- ▶ Collets of special sizes could be ordered by request.

ER MILLING CHUCK SET

ER 銑床夾頭組

(DIN ISO 15488)



MODEL NO.	TYPE	COLLET SIZE / mm	DRAW BAR	WEIGHT (KGS)
04902	MTB3 x ER32 x 6PCS	6, 8, 10, 12, 16, 20	M12 x 1.75P, 1/2" - 12	2.50
04903	MTB4 x ER32 x 6PCS	6, 8, 10, 12, 16, 20	M16 x 2.0P, 5/8" - 11	2.70
04904	R8 x ER32 x 6PCS	6, 8, 10, 12, 16, 20	7/16" - 20	2.60
04905	NT30 x ER32 x 6PCS	6, 8, 10, 12, 16, 20	M12 x 1.75P, 1/2" - 12	2.40
04907	MTB3 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25	M12 x 1.75P, 1/2" - 12	4.10
04908	MTB4 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25	M16 x 2.0P, 5/8" - 11	4.00
04909	R8 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25	7/16" - 20	3.90
04910	NT30 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25	M12 x 1.75P, 1/2" - 12	3.80
04911	NT40 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25	M16 x 2.0P, 5/8" - 11	3.90
04913	MTB3 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	M12 x 1.75P, 1/2" - 12	4.00
04914	MTB4 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	M16 x 2.0P, 5/8" - 11	4.15
04915	R8 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	7/16" - 20	4.00
04916	NT30 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	M12 x 1.75P, 1/2" - 12	4.00
04917	NT40 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	M16 x 2.0P, 5/8" - 11	4.30
04919	MTB4 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	M16 x 2.0P, 5/8" - 11	8.45
04920	R8 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	7/16" - 20	8.30
04921	NT30 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	M12 x 1.75P, 1/2" - 12	8.00
04922	NT40 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	M16 x 2.0P, 5/8" - 11	8.45
04923	NT50 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	M24 x 3.0P, 1" - 8	11.25
04925	NT40 x ER50 x 17PCS	6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	M16 x 2.0P, 5/8" - 11	9.15
04926	NT50 x ER50 x 17PCS	6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	M24 x 3.0P, 1" - 8	11.95
04930	MTB3 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	M12 x 1.75P, 1/2" - 12	6.45
04931	MTB4 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	M16 x 2.0P, 5/8" - 11	6.45
04932	R8 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	7/16" - 20	6.30
04933	NT30 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	M12 x 1.75P, 1/2" - 12	6.00
04934	NT40 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	M16 x 2.0P, 5/8" - 11	6.45
04935	NT50 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26	M24 x 3.0P, 1" - 8	9.25

Product information:

- ▶ Whole set=(ER Collet x Q'ty)+spanner+body+plastic box.
- ▶ Please inform Draw Bar's thread when making an order.



STRAIGHT SHANK ER COLLET CHUCK SET

直柄 ER 夾頭組

(DIN ISO 15488)



MODEL NO.	TYPE	WEIGHT (KGS)	MODEL NO.	TYPE	WEIGHT (KGS)
05006	C16 x ER16A - 50 x 10PCS	1.40	05032	C25 x ER40 - 50 x 7PCS	5.35
05007	C16 x ER16A - 100 x 10PCS	1.48	05033	C25 x ER40 - 50 x 23PCS	9.35
05008	C16 x ER16A - 150 x 10PCS	1.56	05034	C32 x ER32 - 60 x 6PCS	3.25
05010	C20 x ER16A - 50 x 10PCS	1.50	05035	C32 x ER32 - 60 x 18PCS	4.45
05011	C20 x ER16A - 100 x 10PCS	1.60	05036	C32 x ER40 - 50 x 7PCS	5.48
05012	C20 x ER16A - 150 x 10PCS	1.70	05037	C32 x ER40 - 50 x 23PCS	9.48
05014	C20 x ER20A - 60 x 12PCS	1.71	05054	5/8" x ER11A - 140 x 13PCS	1.36
05015	C20 x ER20A - 120 x 12PCS	1.76	05039	5/8" x ER16A - 60 x 10PCS	1.42
05016	C20 x ER20A - 180 x 12PCS	1.88	05040	3/4" x ER16A - 50 x 10PCS	1.50
05018	C20 x ER25 - 50 x 15PCS	2.42	05041	3/4" x ER16A - 100 x 10PCS	1.60
05019	C20 x ER25 - 100 x 15PCS	2.55	05056	3/4" x ER16A - 140 x 10PCS	1.55
05021	C20 x ER32 - 50 x 6PCS	2.42	05058	1" x ER20A - 140 x 12 PCS	1.98
05022	C20 x ER32 - 100 x 6PCS	2.52	05042	1" x ER25 - 50 x 15PCS	2.85
05024	C20 x ER32 - 50 x 18PCS	3.62	05043	1" x ER32 - 50 x 6PCS	3.00
05025	C20 x ER32 - 100 x 18PCS	3.72	05044	1" x ER32 - 50 x 18PCS	4.20
05027	C25 x ER25 - 50 x 15PCS	3.10	05045	1" x ER40 - 50 x 7PCS	5.35
05028	C25 x ER25 - 100 x 15PCS	3.23	05046	1" x ER40 - 50 x 23PCS	9.35
05030	C25 x ER32 - 50 x 6PCS	3.00	05047	1-1/4" x ER32 - 60 x 6PCS	3.15
05031	C25 x ER32 - 50 x 18PCS	4.20	05048	1-1/4" x ER32 - 60 x 18PCS	4.35

STRAIGHT SHANK ER TAPPER (FOR CNC LATHE)

MODEL NO.	TYPE	COLLET / mm	TYPPER	WEIGHT (KGS)
05210	TP20 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13	M3 ~ M16	1.22
05220	TP32 x 10PCS / SET	4, 5, 6, 7, 9, 12, 13, 15, 19, 20	M3 ~ M27	3.90
05230	TPM320 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13 mm	M3 ~ M16	1.50
05240	TPM420 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13	M3 ~ M16	1.70
05250	TPM432 x 10PCS / SET	4, 5, 6, 7, 9, 12, 13, 15, 19, 20	M3 ~ M27	4.10

Product information:

- ▶ Whole set=(ER Collet x Q'ty)+spanner+body+plastic box.
- ▶ It is acceptable to order a set for the sizes selected by request.

MILLING CHUCK SET

銑床夾頭組



MODEL NO.	TYPE	DRAW BAR		COLLET SET	WEIGHT (KGS)
83802	MTB2 x EOC25 x 7M x SYOZ	3/8" - 16	M10 x 1.5P	6, 8, 10, 12, 16, 20, 25mm	3.40
83803	MTB3 x EOC25 x 7M x SYOZ	1/2" - 12	M12 x 1.75P	6, 8, 10, 12, 16, 20, 25mm	3.80
83804	MTB4 x EOC25 x 7M x SYOZ	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25mm	4.00
83808	R8 x EOC25 x 7M x SYOZ	7/16" - 20		6, 8, 10, 12, 16, 20, 25mm	3.70
83830	NT30 x EOC25 x 7M x SYOZ	1/2" - 12	M12 x 1.75P	6, 8, 10, 12, 16, 20, 25mm	3.50
83840	NT40 x EOC25 x 7M x SYOZ	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25mm	3.80
83850	NT50 x EOC25 x 7M x SYOZ	1" - 8	M24 x 3.0P	6, 8, 10, 12, 16, 20, 25mm	6.20
83812	MTB2 x EOC25 x 7I x SYOZ	3/8" - 16	M10 x 1.5P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.50
83813	MTB3 x EOC25 x 7I x SYOZ	1/2" - 12	M12 x 1.75P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.55
83814	MTB4 x EOC25 x 7I x SYOZ	5/8" - 11	M16 x 2.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.70
83818	R8 x EOC25 x 7I x SYOZ	7/16" - 20		1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.90
83831	NT30 x EOC25 x 7I x SYOZ	1/2" - 12 M12 x 1.75P	U. S. A. 1/2" - 13	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.60
83841	NT40 x EOC25 x 7I x SYOZ	5/8" - 11	M16 x 2.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	4.00
83849	NT50 x EOC25 x 7I x SYOZ	1" - 8	M24 x 3.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	6.80
83851	MTB2 x EOC25 x 15M x SYOZ	3/8" - 16	M10 x 1.5P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	4.90
83852	MTB3 x EOC25 x 15M x SYOZ	1/2" - 12	M12 x 1.75P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	5.20
83853	MTB4 x EOC25 x 15M x SYOZ	5/8" - 11	M16 x 2.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	5.70
83854	R8 x EOC25 x 15M x SYOZ	7/16" - 20		3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	5.30
83855	NT30 x EOC25 x 15M x SYOZ	1/2" - 12	M12 x 1.75P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	5.00
83856	NT40 x EOC25 x 15M x SYOZ	5/8" - 11	M16 x 2.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	5.40
83857	NT50 x EOC25 x 15M x SYOZ	1" - 8 or	M24 x 3.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	7.60
83871	MTB2 x EOC25 x 15I x SYOZ	3/8" - 16	M10 x 1.5P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	4.90
83872	MTB3 x EOC25 x 15I x SYOZ	1/2" - 12	M12 x 1.75P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.20
83873	MTB4 x EOC25 x 15I x SYOZ	5/8" - 11	M16 x 2.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.70
83874	R8 x EOC25 x 15I x SYOZ	7/16" - 20		1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.30
83875	NT30 x EOC25 x 15I x SYOZ	1/2" - 12 M12 x 1.75P	U. S. A. 1/2" - 13	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.00
83876	NT40 x EOC25 x 15I x SYOZ	5/8" - 11	M16 x 2.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.40
83877	NT50 x EOC25 x 15I x SYOZ	1" - 8	M24 x 3.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	7.60

Product information:

- ▶ Complete sets use SYOZ collet. ▶ Packed with plastic box, Wooden box package is different price.
- ▶ Please indicate the collet chuck measurements in inch or metric system and 7pcs/set or 15pcs/set.
- ▶ Please specify the draw bar's size when making an order. ▶ NT50 packed by wooden box.
- ▶ Concentric end mill extending 25mm with concentricity at 0.02mm.
- ▶ Interior device with upper contracting to keep cutter never be shrunk.
- ▶ Enclosed one Spanner and Plastic case or wooden case for every set. ▶ The body Screw is Ground.



EOC 32 MILLING CHUCK SET

EOC32 銑床夾頭組

(DIN ISO 10897)



8 PCS OR 16 PCS/SET EOC32 MILLING CHUCK / MM SIZE

MODEL NO.	TYPE	DRAW BAR		COLLET SET	WEIGHT (KGS)
83924	MTB4 x EOC32 x 8M x B	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25, 32	6.50
83926	MTB5 x EOC32 x 8M x B	1" - 8	M24 x 3.0P	6, 8, 10, 12, 16, 20, 25, 32	9.07
83930	NT40 x EOC32 x 8M x B	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25, 32	6.50
83932	NT50 x EOC32 x 8M x B	1" - 8	M24 x 3.0P	6, 8, 10, 12, 16, 20, 25, 32	9.45
83944	MTB4 x EOC32 x 16M x B	5/8" - 11	M16 x 2.0P	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 32	10.70
83946	MTB5 x EOC32 x 16M x B	1" - 8	M24 x 3.0P	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 32	12.27
83950	NT40 x EOC32 x 16M x B	5/8" - 11	M16 x 2.0P	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 32	10.80
83952	NT50 x EOC32 x 16M x B	1" - 8	M24 x 3.0P	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 32	12.65

8 PCS/SET EOC32 MILLING CHUCK / INCHES

83964	MTB4 x EOC32 x 8I x B	5/8" W11	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	6.50
83966	MTB5 x EOC32 x 8I x B	1" W8	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	9.07
83970	NT40 x EOC32 x 8I x B	5/8" W11	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	6.50
83972	NT50 x EOC32 x 8I x B	1" W8	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	9.45

Product information:

- ▶ Please specify the draw bar's size when making an order.
- ▶ Complete set packaged by plastic box, but NT50 by wooden box.
- ▶ Set: includes body + (collet x Q'ty) + spanner + packing box.
- ▶ Max. clamping capacity: 32mm or 1-1/4".
- ▶ COLLET TYPE: EOC 32 - B.

TG 100 MILLING CHUCK SET

TG 100 銑床夾頭組



MODEL NO.	TYPE	DRAW BAR		COLLET	WEIGHT (KGS)
84072	MTB3 x TG100 x 7M	1/2" - 12	M12 x 1.75P	6, 8, 10, 12, 16, 20, 25	3.95
84073	MTB4 x TG100 x 7M	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25	4.10
84074	R8 x TG100 x 7M	7/16" - 20		6, 8, 10, 12, 16, 20, 25	4.30
84075	NT30 x TG100 x 7M	1/2" - 12	M12 x 1.75P	6, 8, 10, 12, 16, 20, 25	4.00
84076	NT40 x TG100 x 7M	5/8" - 11	M16 x 2.0P	6, 8, 10, 12, 16, 20, 25	4.40
84077	NT50 x TG100 x 7M	1" - 8	M24 x 3.0P	6, 8, 10, 12, 16, 20, 25	6.80
84079	MTB3 x TG100 x 7I	1/2" - 12	M12 x 1.75P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.95
84080	MTB4 x TG100 x 7I	5/8" - 11	M16 x 2.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	4.10
84081	R8 x TG100 x 7I	7/16" - 20		1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	4.30
84082	NT30 x TG100 x 7I	1/2" - 12	M12 x 1.75P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	4.00
84083	NT40 x TG100 x 7I	5/8" - 11	M16 x 2.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	4.40
84084	NT50 x TG100 x 7I	1" - 8	M24 x 3.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	6.80
84086	MTB3 x TG100 x 15M	1/2" - 12	M12 x 1.75P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	5.75
84087	MTB4 x TG100 x 15M	5/8" - 11	M16 x 2.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	5.90
84088	R8 x TG100 x 15M	7/16" - 20		3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	6.10
84089	NT30 x TG100 x 15M	1/2" - 12	M12 x 1.75P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	5.80
84090	NT40 x TG100 x 15M	5/8" - 11	M16 x 2.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	6.20
84091	NT50 x TG100 x 15M	1" - 8	M24 x 3.0P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	9.00
84093	MTB3 x TG100 x 15I	1/2" - 12	M12 x 1.75P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.75
84094	MTB4 x TG100 x 15I	5/8" - 11	M16 x 2.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.90
84095	R8 x TG100 x 15I	7/16" - 20		1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	6.10
84096	NT30 x TG100 x 15I	1/2" - 12	M12 x 1.75P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	5.80
84097	NT40 x TG100 x 15I	5/8" - 11	M16 x 2.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	6.20
84098	NT50 x TG100 x 15I	1" - 8	M24 x 3.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	9.00

Product information:

- ▶ Please inform if the collet chuck measurements are in inch or metric system and 7 pcs/set or 15 pcs/set.
- ▶ Please inform the draw bar's size when making an order.
- ▶ Concentric end mill extending 25mm with concentricity at 0.01mm.
- ▶ T thread of nut and TG collet make cutting tools be clamped tightly.
- ▶ Enclosed one Spanner, Shank, wooden box and full set collets.
- ▶ The body Screw is ground.



SKS.SBL.MLD COLLET CHUCK FULL SET

SKS/SBL/MLD 銑床夾頭組



MODEL NO.	TYPE	COLLET SIZE / mm	MODEL NO.	TYPE	COLLET SIZE / mm
18338-6P	BT40 x SKS6 x 6PCS	3.5, 4, 4.5, 5, 5.5, 6	18866-4P	BT40 x SBL6 x 4PCS	3, 4, 5, 6
18340-6P	BT40 x SKS10 x 6PCS	3.5, 4, 5, 6, 8, 10	18870-6P	BT40 x SBL12 x 6PCS	3, 5, 6, 8, 10, 12
18343-6P	BT40 x SKS13 x 6PCS	3.5, 5, 6, 8, 10, 12	18874-6P	BT40 x SBL20 x 6PCS	3, 6, 8, 10, 12, 20
18344-6P	BT40 x SKS16 x 6PCS	3.5, 6, 8, 10, 12, 16	18877-6P	BT40 x SBL25 x 6PCS	8, 10, 12, 16, 20, 25
18348-6P	BT40 x SKS20 x 6PCS	6, 8, 10, 12, 16, 20	23654-4P	CAT40 x SBL6 x 4PCS	3, 4, 5, 6
18352-6P	BT40 x SKS25 x 6PCS	8, 10, 12, 16, 20, 25	23660-6P	CAT40 x SBL12 x 6PCS	3, 5, 6, 8, 10, 12
23712-6P	CAT40 x SKS6 x 6PCS	3.5, 4, 4.5, 5, 5.5, 6	23666-6P	CAT40 x SBL20 x 6PCS	3, 6, 8, 10, 12, 20
23716-6P	CAT40 x SKS10 x 6PCS	3.5, 4, 5, 6, 8, 10	23671-6P	CAT40 x SBL25 x 6PCS	8, 10, 12, 16, 20, 25
23720-6P	CAT40 x SKS13 x 6PCS	3.5, 5, 6, 8, 10, 12	45368-4P	DAT40 x SBL6 x 4PCS	3, 4, 5, 6
23722-6P	CAT40 x SKS16 x 6PCS	3.5, 6, 8, 10, 12, 16	45372-6P	DAT40 x SBL12 x 6PCS	3, 5, 6, 8, 10, 12
23726-6P	CAT40 x SKS20 x 6PCS	6, 8, 10, 12, 16, 20	45376-6P	DAT40 x SBL20 x 6PCS	3, 6, 8, 10, 12, 20
23732-6P	CAT40 x SKS25 x 6PCS	8, 10, 12, 16, 20, 25	45379-6P	DAT40 x SBL25 x 6PCS	8, 10, 12, 16, 20, 25
43010-6P	DAT40 x SKS6 x 6PCS	3.5, 4, 4.5, 5, 5.5, 6	15902G-5P	BT30 x MLD20 - 80 x 5PCS	6, 8, 10, 12, 16
43012-6P	DAT40 x SKS10 x 6PCS	3.5, 4, 5, 6, 8, 10	15922G-7P	BT40 x MLD32 - 95 x 7PCS	6, 8, 10, 12, 16, 20, 25
43015-6P	DAT40 x SKS13 x 6PCS	3.5, 5, 6, 8, 10, 12	15936G-105-7P	BT50 x MLD32 - 105 x 7PCS	6, 8, 10, 12, 16, 20, 25
43016-6P	DAT40 x SKS16 x 6PCS	3.5, 6, 8, 10, 12, 16	15940G-8P	BT50 x MLD42 - 105 x 8PCS	6, 8, 10, 12, 16, 20, 25, 32
43020-6P	DAT40 x SKS20 x 6PCS	6, 8, 10, 12, 16, 20			
43026-6P	DAT40 x SKS25 x 6PCS	8, 10, 12, 16, 20, 25			

Product information:

► Set: includes body + (collet x Q'ty) + spanner + packing box.

EBL COLLET CHUCK FULL SET

EBL 後拉式立銑刀夾頭組



MODEL NO.	TYPE	COLLET SIZE / mm
16922 - 4P	BT40 x EBL6 x 4PCS	3, 4, 5, 6
16924 - 4P	BT40 x EBL8 x 5PCS	3, 4, 5, 6, 8
26922 - 4P	CAT40 x EBL6 x 4PCS	3, 4, 5, 6
26924 - 4P	CAT40 x EBL8 x 5PCS	3, 4, 5, 6, 8
46922 - 4P	DAT40 x EBL6 x 4PCS	3, 4, 5, 6
46924 - 4P	DAT40 x EBL8 x 5PCS	3, 4, 5, 6, 8

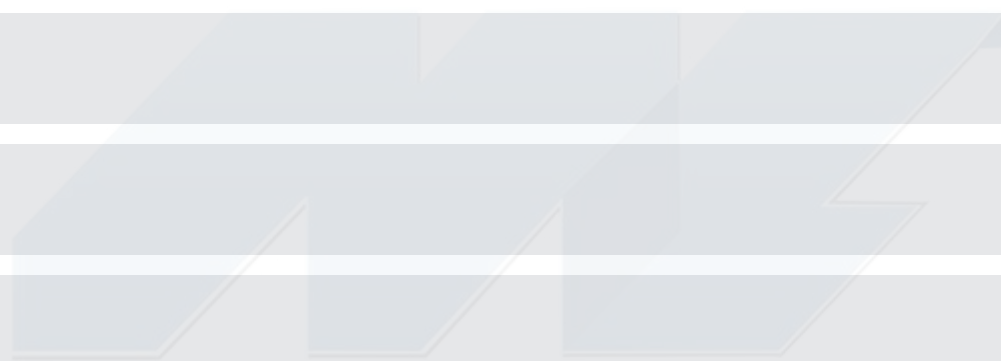
МАШСЕРВИС

Product information:

► Set: includes body + (collet x Q'ty) + spanner + packing box.



MEMO



МАШСЕРВИС



TECHNICAL INFORMATION CATEGORY

BALANCE STANDARD FORMULA LIST

Y-2

REFERENCE DETAILS

Y-3~5

МАШСЕРВИС

BALANCE STANDARD FORMULA LIST

Balance Grade		G0.4	G1	G2.5	G6.3	G16	G40	G100	G250	G630	G1600	G4000
Precision Required	exw (mm/s)	0.4	1	2.5	6.3	16	40	100	250	630	1600	4000
Precision Required	exw (μm * rpm)	3820	9549	23875	60165	152800	382000	954900	2387500	6016500	15280000	38200000

SETTING OF THE BALANCE SERIES IS ACCORDING TO ISO 1940 STANDARD .

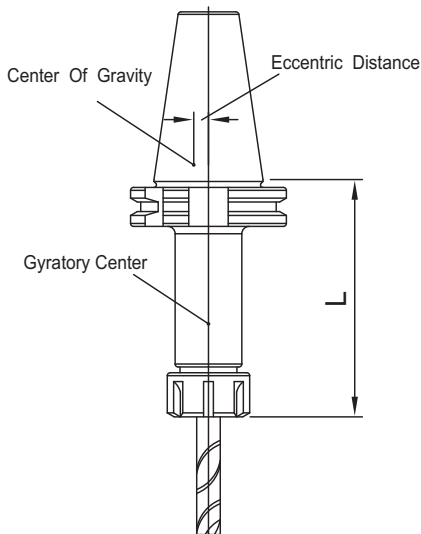
THE FORMULA AS FOLLOWS:

$$U = M \times e$$

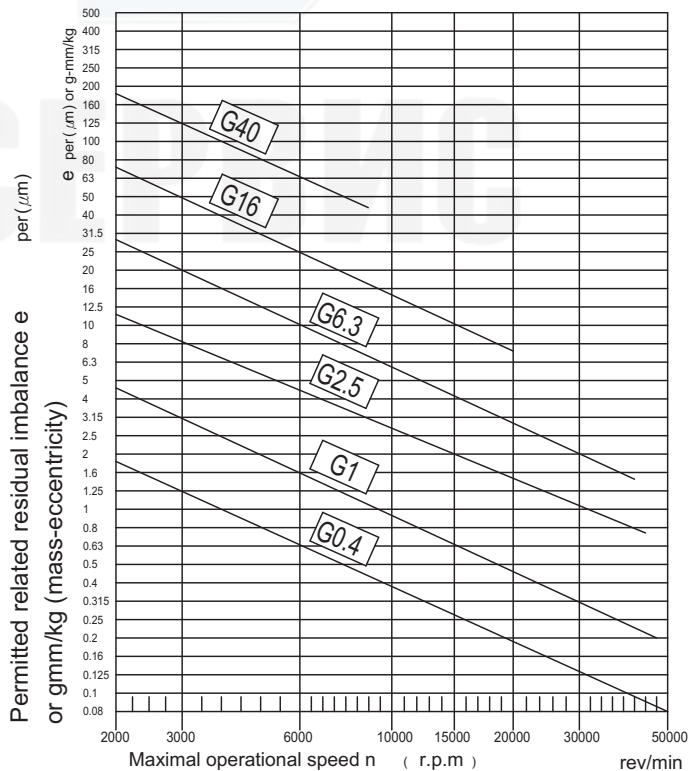
$$U = \frac{G \times M}{n} \times 9549$$

$$G = \frac{n \times U}{9549 \times M}$$

G = UNBALANCE SERIES
U = UNBALANCE (g-mm)
e = ECCENTRIC DISTANCE (mm)
M = ROTER WEIGHT (kg)
n = rpm
9549 = CONSTANT



Quality levels according to ISO 1940 and permitted residual imbalance or speed



REFERENCE DETAILS

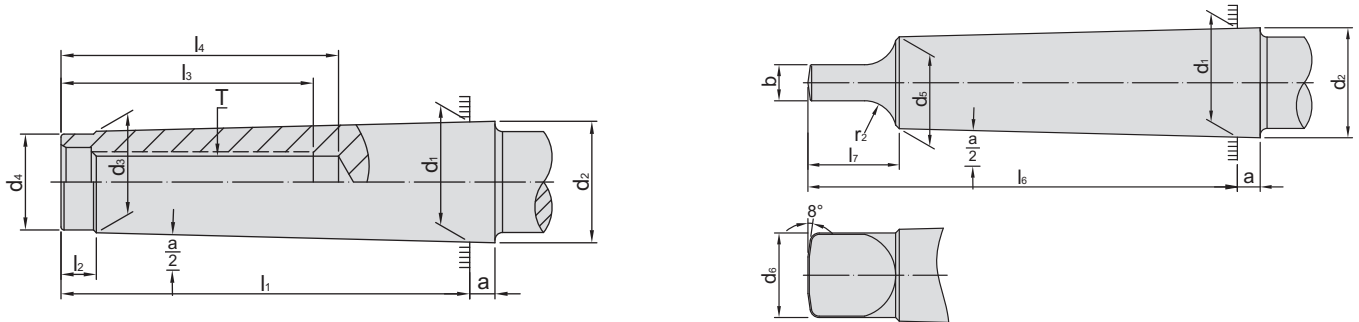
mm		H																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14 ¹⁾	15 ¹⁾	16 ¹⁾	17 ¹⁾	18 ¹⁾
Over	Under	µm											mm						
-	3 ¹⁾	+0.8 0	+1.2 0	+2 0	+3 0	+4 0	+6 0	+10 0	+14 0	+25 0	+40 0	+60 0	+0.1 0	+0.14 0	+0.25 0	+0.4 0	+0.6 0		
3	6	+1 0	+1.5 0	+2.5 0	+4 0	+5 0	+8 0	+12 0	+18 0	+30 0	+48 0	+75 0	+0.12 0	+0.18 0	+0.3 0	+0.48 0	+0.75 0	+1.2 0	+1.8 0
6	10	+1 0	+1.5 0	+2.5 0	+4 0	+6 0	+9 0	+15 0	+22 0	+36 0	+58 0	+90 0	+0.15 0	+0.22 0	+0.36 0	+0.58 0	+0.9 0	+1.5 0	+2.2 0
10	18	+1.2 0	+2 0	+3 0	+5 0	+8 0	+11 0	+18 0	+27 0	+43 0	+70 0	+110 0	+0.18 0	+0.27 0	+0.43 0	+0.7 0	+1.1 0	+1.8 0	+2.7 0
18	30	+1.5 0	+2.5 0	+4 0	+6 0	+9 0	+13 0	+21 0	+33 0	+52 0	+84 0	+130 0	+0.21 0	+0.33 0	+0.52 0	+0.84 0	+1.3 0	+2.1 0	+3.3 0
30	50	+1.5 0	+2.5 0	+4 0	+7 0	+11 0	+16 0	+25 0	+39 0	+62 0	+100 0	+160 0	+0.25 0	+0.39 0	+0.62 0	+1 0	+1.6 0	+2.5 0	+3.9 0
50	80	+2 0	+3 0	+5 0	+8 0	+13 0	+19 0	+30 0	+46 0	+74 0	+120 0	+190 0	+0.3 0	+0.46 0	+0.74 0	+1.2 0	+1.9 0	+3 0	+4.6 0
80	120	+2.5 0	+4 0	+6 0	+10 0	+15 0	+22 0	+35 0	+54 0	+87 0	+140 0	+220 0	+0.35 0	+0.54 0	+0.87 0	+1.4 0	+2.2 0	+3.5 0	+5.4 0
120	180	+3.5 0	+5 0	+8 0	+12 0	+18 0	+25 0	+40 0	+63 0	+100 0	+160 0	+250 0	+0.4 0	+0.63 0	+1 0	+1.6 0	+2.5 0	+4 0	+6.3 0
180	250	+4.5 0	+7 0	+10 0	+14 0	+20 0	+29 0	+46 0	+72 0	+115 0	+185 0	+290 0	+0.46 0	+0.72 0	+1.15 0	+1.85 0	+2.9 0	+4.6 0	+7.2 0
250	315	+6 0	+8 0	+12 0	+16 0	+23 0	+32 0	+52 0	+81 0	+130 0	+210 0	+320 0	+0.52 0	+0.81 0	+1.3 0	+2.1 0	+3.2 0	+5.2 0	+8.1 0
315	400	+7 0	+9 0	+13 0	+18 0	+25 0	+36 0	+57 0	+89 0	+140 0	+230 0	+360 0	+0.57 0	+0.89 0	+1.4 0	+2.3 0	+3.6 0	+5.7 0	+8.9 0
400	500	+8 0	+10 0	+15 0	+20 0	+27 0	+40 0	+63 0	+97 0	+155 0	+250 0	+400 0	+0.63 0	+0.97 0	+1.55 0	+2.5 0	+4 0	+6.3 0	+9.7 0

mm		h																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14 ¹⁾	15 ¹⁾	16 ¹⁾	17	18
Over	Under	µm											mm						
-	3 ¹⁾	0 -0.8	0 -1.2	0 -2	0 -3	0 -4	0 -6	0 -10	0 -14	0 -25	0 -40	0 -60	0 -0.1	0 -0.14	0 -0.25	0 -0.4	0 -0.6		
3	6	0 -1	0 -1.5	0 -2.5	0 -4	0 -5	0 -8	0 -12	0 -18	0 -30	0 -48	0 -75	0 -0.12	0 -0.18	0 -0.3	0 -0.48	0 -0.75	0 -1.2	0 -1.8
6	10	0 -1	0 -1.5	0 -2.5	0 -4	0 -6	0 -9	0 -15	0 -22	0 -36	0 -58	0 -90	0 -0.15	0 -0.22	0 -0.36	0 -0.58	0 -0.9	0 -1.5	0 -2.2
10	18	0 -1.2	0 -2	0 -3	0 -5	0 -8	0 -11	0 -18	0 -27	0 -43	0 -70	0 -110	0 -0.18	0 -0.27	0 -0.43	0 -0.7	0 -1.1	0 -1.8	0 -2.7
18	30	0 -1.5	0 -2.5	0 -4	0 -6	0 -9	0 -13	0 -21	0 -33	0 -52	0 -84	0 -130	0 -0.21	0 -0.33	0 -0.52	0 -0.84	0 -1.3	0 -2.1	0 -3.3
30	50	0 -1.5	0 -2.5	0 -4	0 -7	0 -11	0 -16	0 -25	0 -39	0 -62	0 -100	0 -160	0 -0.25	0 -0.39	0 -0.62	0 -1	0 -1.6	0 -2.5	0 -3.9
50	80	0 -2	0 -3	0 -5	0 -8	0 -13	0 -19	0 -30	0 -46	0 -74	0 -120	0 -190	0 -0.3	0 -0.46	0 -0.74	0 -1.2	0 -1.9	0 -3	0 -4.6
80	120	0 -2.5	0 -4	0 -6	0 -10	0 -15	0 -22	0 -35	0 -54	0 -87	0 -140	0 -220	0 -0.35	0 -0.54	0 -0.87	0 -1.4	0 -2.2	0 -3.5	0 -5.4
120	180	0 -3.5	0 -5	0 -8	0 -12	0 -18	0 -25	0 -40	0 -63	0 -100	0 -160	0 -250	0 -0.4	0 -0.63	0 -1	0 -1.6	0 -2.5	0 -4	0 -6.3
180	250	0 -4.5	0 -7	0 -10	0 -14	0 -20	0 -29	0 -46	0 -72	0 -115	0 -185	0 -290	0 -0.46	0 -0.72	0 -1.15	0 -1.85	0 -2.9	0 -4.6	0 -7.2
250	315	0 -6	0 -8	0 -12	0 -16	0 -23	0 -32	0 -52	0 -81	0 -130	0 -210	0 -320	0 -0.52	0 -0.81	0 -1.3	0 -2.1	0 -3.2	0 -5.2	0 -8.1
315	400	0 -7	0 -9	0 -13	0 -18	0 -25	0 -36	0 -57	0 -89	0 -140	0 -230	0 -360	0 -0.57	0 -0.89	0 -1.4	0 -2.3	0 -3.6	0 -5.7	0 -8.9
400	500	0 -8	0 -10	0 -15	0 -20	0 -27	0 -40	0 -63	0 -97	0 -155	0 -250	0 -400	0 -0.63	0 -0.97	0 -1.55	0 -2.5	0 -4	0 -6.3	0 -9.7



REFERENCE DETAILS

參考資料



DIN 228 FORM A <Drawing Thread Type>

M.T.NO.	a	d ₁	d ₂	d ₃	d ₄ max.	T	l ₁ max.	l ₂	l ₃ min.	l ₄ min.
2	5	17.78	18	14.6	14	3/8" 16W, M10 x 1.5P	64	5	24	31.5
3	5	23.825	24.1	19.8	19	1/2" 12W, M12 x 1.75P	81	7	24	33.5
4	6.5	31.267	31.6	25.9	25	5/8" 11W, M16 x 2.0P	102.5	9	32	42.5
5	6.5	44.399	44.7	37.6	35.7	1" 8W, M24 x 3.0P	129.5	10	40	52.5
6	8	63.348	63.8	53.9	51	1" 8W, M24 x 3.0P	182	16	47	61.5

DIN 228 FORM B <Tongue Type>

M.T.NO.	a	b h13	d ₅	d ₆ max.	l ₆ 0 -1	l ₇ max.	r ₂	$\frac{\alpha}{2}$
2	5	6.3	14	13.5	75	16	6	1°25' 50"
3	5	7.9	19.1	18.5	94	20	7	1°26' 16"
4	6.5	11.9	25.2	24.5	117.5	24	8	1°29' 15"
5	6.5	15.9	36.5	35.7	149.5	29	10	1°30' 26"
6	8	19	52.4	51	210	40	13	1°29' 36"

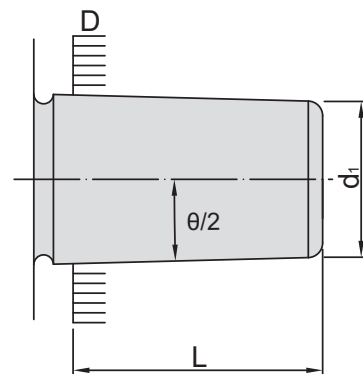
JACOBS TAPER

TYPE	$\theta/2$ TAPER	D	d ₁	L
JT 2	2° 19'52"	14.199	12.386	22.225
JT33	1° 49'01"	15.850	14.237	25.400
JT 6	1° 29'10"	17.170	15.852	25.400
JT 3	1° 31'26"	20.599	18.951	30.956
JT 4	1° 29'59"	28.550	26.346	42.069
JT 5	1° 29'05"	35.890	33.422	47.625

DIN 238

TYPE	$\theta/2$ TAPER	D	d ₁	L
B12	1° 25'43"	12.065	11.1	18.5
B16	1° 25'50"	15.733	14.5	24.0
B18	1° 25'50"	17.780	16.2	32.0

DRILL CHUCK HOLE TAPER SPECIFICATION



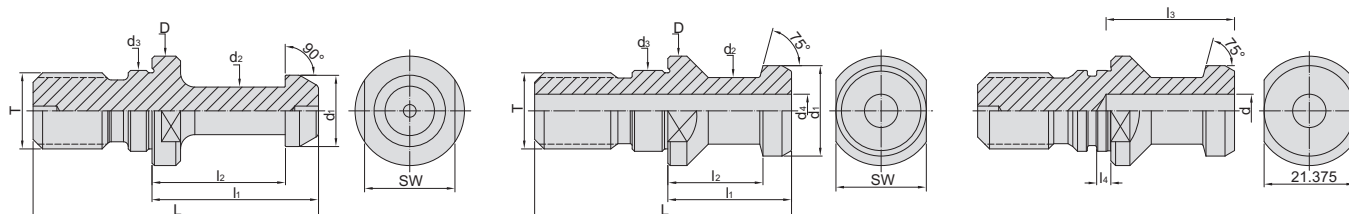
REFERENCE DETAILS

參考資料

MAS BT

DIN 69872 - A

DIN 69872 - B



MAS BT PULL STUDS SPECIFICATION

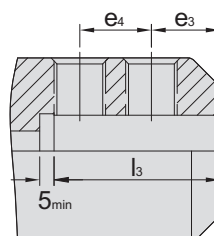
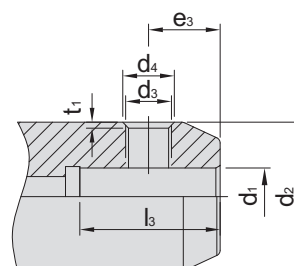
TYPE	D 0 -0.2	d ₁ 0 -0.1	d ₂ 0 -0.1	d ₃ h7	L	l ₁ 0 -0.1	l ₂ 0 -0.1	θ ±15°	SW 0 -0.35	T 6h	
BT30 - 45°	16.5	11	7	12.5	43	23	18	45°	13	M12 x 1.75P	P30T - 1
BT40 - 45°	23	15	10	17	60	35	28	45°	19	M16 x 2.0P	P40T - 1
BT50 - 45°	38	23	17	25	85	45	35	45°	30	M24 x 3.0P	P50T - 1
BT30 - 60°	16.5	11	7	12.5	43	23	18	60°	13	M12 x 1.75P	P30T - 2
BT40 - 60°	23	15	10	17	60	35	28	60°	19	M16 x 2.0P	P40T - 2
BT50 - 60°	38	23	17	25	85	45	35	60°	30	M24 x 3.0P	P50T - 2

DIN 69 872 A & B PULL STUDS SPECIFICATION

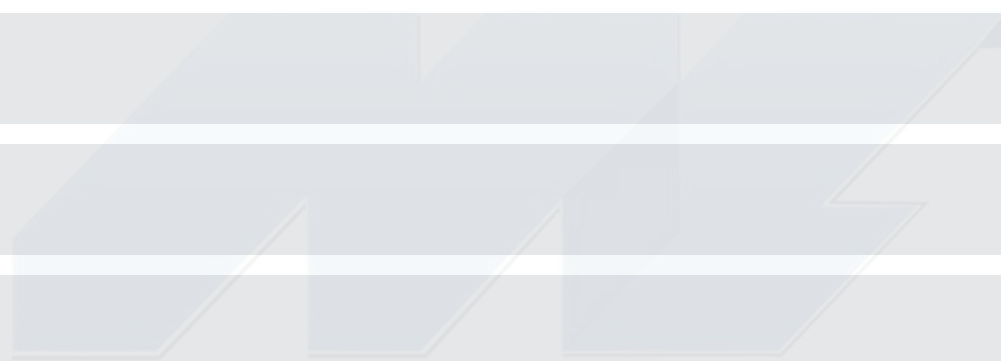
TYPE	D 0 -0.2	d ₁ f7	d ₂ 0 -0.1	d ₃ f7	d ₄ +0.1 0	L	l ₁ ±0.1	l ₂ ±0.1	l ₃ +1 0	l ₄ 0 -0.1	SW 0 -0.1	T
DAT30 - A	17	13	9	13	-	44	24	19	-	-	14	M12 x 1.75P
DAT40 - A	23	19	14	17	7	54	26	20	-	-	19	M16 x 2.0P
DAT50 - A	36	28	21	25	11.5	74	34	25	-	-	30	M24 x 3.0P
DAT30 - B	17	13	9	13	-	44	24	19	-	2.3	14	M12 x 1.75P
DAT40 - B	23	19	14	17	7	54	26	20	27	3.0	19	M16 x 2.0P
DAT50 - B	36	28	21	25	11.5	74	34	25	37	4.5	30	M24 x 3.0P

DIN 1835 - B END MILL HOLDER SPECIFICATION

SIZE	d ₁ H5	d ₂ 0 -0.1	d ₃ 6H	d ₄ MIN	l ₃ ±1	e ₃ 0 -0.1	e ₄ ±0.5	t ₁
6	6	25	M6	8	35	18	-	1
8	8	28	M8	10	35	18	-	1.3
10	10	35	M10	12	39	20	-	1.5
12	12	42	M12	14	44	22.5	-	1.6
16	16	48	M14	16	47	24	-	1.7
20	20	52	M16	18	49	25	-	2.1
25	25	65	M18	20	54	24	25	2.1
32	32	72	M20	22	58	24	28	2.2
40	40	90	M24	26	68	30	32	2.2



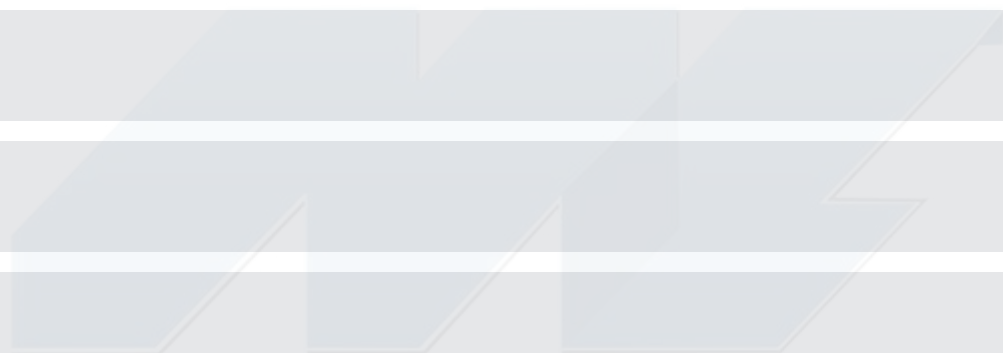
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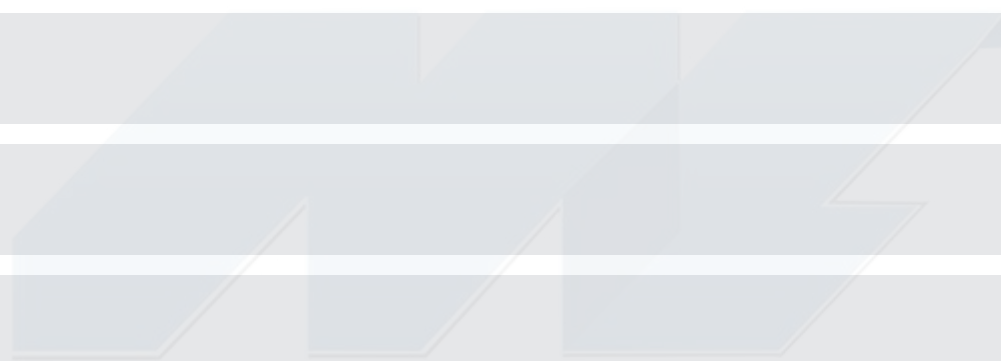


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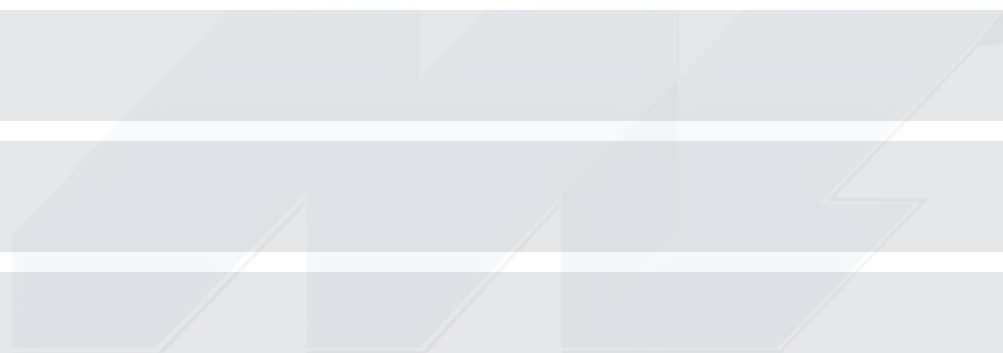
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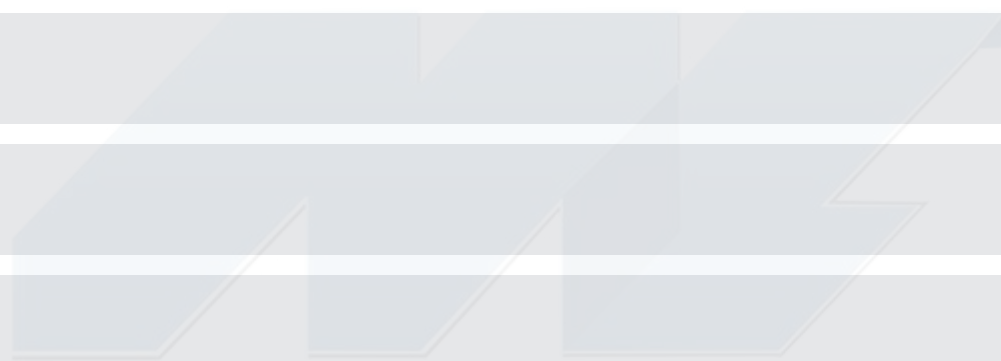
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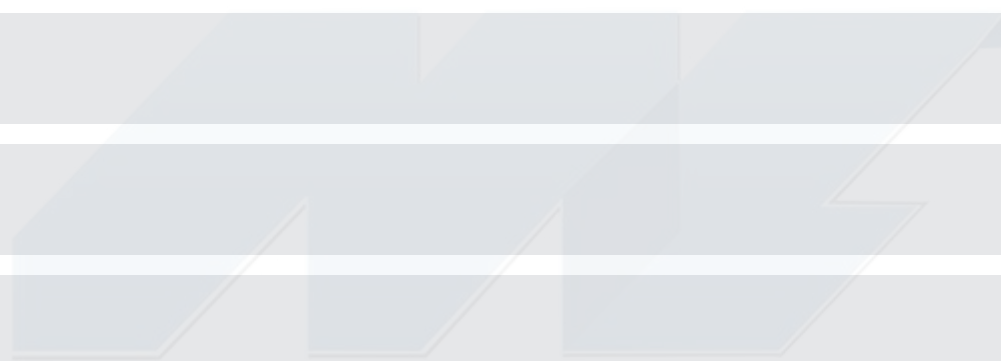
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