

億 錡 專 業 CNC 工 具
精密刀桿 · 精密搪刀 · 切削配件



億 錡 股 份 有 限 公 司

E CHEE MACHINE TOOLS CO., LTD.
地址：台中市神岡區光啟路108-1號
Address: No.108-1, Guangqi Rd., Shengang
Dist., Taichung City 429, Taiwan

TEL: +886-4-25225120
FAX: +886-4-25225121
Web site: www.rbh-tools.com
E-mail: rbh.tools@msa.hinet.net

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專業
精密
耐用



億 錡 專 業 CNC 工 具 專 業 · 精 密 · 耐 用
E-CHEE MACHINE TOOLS

Professional
Precision
Durable

TOOLING
SYSTEM
刀 桿 系 統

P1~59



P1

BT MILLING CHUCK / KCH
BT 強力型精密銑刀夾頭



P2

SK MILLING CHUCK / KCH
SK 強力型精密銑刀夾頭



P2

NT MILLING COLLET CHUCK SET / KCH
NT 強力型精密銑刀夾頭組



P3

BT ADJUSTABLE MILLING CHUCK / MCH
BT 可調式強力型精密銑刀夾頭



P3

C STRAIGHT COLLETS
直筒夾



P3

WRENCH 扳手



P4

BT COLLET CHUCK / ER
ER 銑刀夾頭



P5

SK COLLET CHUCK / ER
ER 銑刀夾頭



P5

STRAIGHT SHANK COLLET CHUCK KIT
直柄 ER 夾頭



P6

NT ER COLLET CHUCK
ER 銑刀夾頭套組



P7

ER SPRING COLLET KIT
ER 筒夾組



P8-9

ER SPRING COLLET SYSTEM
ER 筒夾



P10

ER COLLET CHUCK NUT (DIN6499)
ER 螺帽



P10

ER COLLET CHUCK WRENCH
ER 扳手



P11

BT TAPPING HOLDER / TER
ER 伸縮攻牙器



P11

TAPPING HOLDER / TER
ER 伸縮攻牙器



P12

BT-SK COLLET CHUCK SYSTEM
BT-SK 刀桿



P13

SET OF SK COLLETS AND MAS BT CHUCK
SK 筒夾組



P14-15

SK SPRING COLLET SYSTEM A CLASS
SK 筒夾組



P16

SK NUT / WRENCH 螺帽/扳手



P16

NUT / WRENCH
單向軸承螺帽/ 扳手



P17

INDUCTIVE SHRINK MACHINE
高周波燒結機



P18

BT HEAT SHRINK ARBOR / ISK
BT 燒結式刀柄



P19

HSK HEAT SHRINK ARBOR / ISK
HSK 燒結式刀柄



P20

BT HIGH SPEED COLLET CHUCK - BACK PULL
BT 後拉式高速筒夾刀柄



P20

IDS COLLET
後拉式筒夾



P21-22

BT SIDE LOCK MILLING ARBOR / SLA
BT 側鎖式立銑刀柄



P23

SK SIDE LOCK MILLING ARBOR / SLA
SK 側鎖式立銑刀柄



P24

NT SIDE LOCK MILLING ARBOR / SLA
NT 側鎖式立銑刀柄

 P25 BT MORSE TAPER ARBOR / MTA BT 斜柄鑽頭套筒刀柄	 P26 BT MORSE TAPER ARBOR / MTB BT 斜柄鑽頭套筒刀柄	 P27 SK MORSE TAPER ARBOR / MTA SK 斜柄鑽頭套筒刀柄	 P27 NT MORSE TAPER ARBOR / MTA NT 斜柄鑽頭套筒刀柄	 P28 MORSE EXTENSION TAPER SLEEVE 莫氏維度延長套筒
 P29 BT CNC DRILL CHUCKS / CHU BT 直結式鑽夾頭	 P29 SK CNC DRILL CHUCKS / CHU SK 直結式鑽夾頭	 P30 NT (ISO) CNC DRILL CHUCKS / CHU NT (ISO) 直結式鑽夾頭	 P31 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 伸縮緩衝加長型	 P31 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 伸縮緩衝型
 P32 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 伸縮緩衝型/莫氏維度型	 P32 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 伸縮緩衝型/直柄型	 P33 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿	 P33 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 直柄型-筒夾專用	 P34 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 直柄型-側固及CNC車床專用
 P34 QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿 莫氏維度型	 P35 TAP CHUCK REDUCER 絲攻轉接頭	 P35 ADJUSTABLE PIN WRENCHES 調整扳手	 P36-40 QUICK CHANGE TAP COLLETS SERIES 快換式絲攻夾頭系列 扭力型	 P41-45 QUICK CHANGE TAP COLLETS SERIES 快換式絲攻系列 剛性
 P46 JIS QUICK CHANGE TAP COLLETS 快換式絲攻夾頭 扭力型-JIS	 P46 QUICK CHANGE TAP COLLETS 快換式絲攻夾頭 扭力型-JIS	 P47 DRILL TAPPING SET 旋臂鑽床攻牙組	 P48 DT33 / 52 SIZE OF TAP COLLETS 絲攻筒夾規格	 P49-50 BT FACE MILL A TYPE / FMA BT 平面銑刀柄
 P51 NT FACE MILL A TYPE / FMA NT 平面銑刀柄	 P52 NT FACE MILLING ARBOR (EXTENSION TYPE) / FMA NT 平面銑刀柄(加長型)	 P53 BT FACE MILL B TYPE / FMB BT 平面銑刀柄	 P54 SK FACE MILL ARBOR / FMB SK 平面銑刀柄	 P55 BT SIDE CUTTER ARBOR / SCA BT 側銑刀架

 P55 NT SIDE CUTTER ARBOR / SCA NT 側銑刀架	 P56 OSL OIL - FEED HOLDER OSL 油路刀把	 P56 OSL STRAIGHT SLEEVES OSL 套筒	 P57-58 PULL STUD SERIES 拉桿/拉頭系列	BORING SYSTEM 搪刀系統 P60~84
 P61 CBH FINISH BORING HEAD CBH 微調精搪刀系列	LBK刀柄  P61 CBH FINISH BORING HEAD CBH 微調精搪刀 + LBK 刀柄	 P63 MBH FINISH BORING HEAD MBH 微調精搪刀系列	LBK刀柄  P63 MBH FINISH BORING HEAD + LBK SHANK MBH 微調精搪刀系列	新 型  P65 BIT ROUGH BORING HEAD RBH-LA RBH-LA 可調式雙刃粗搪刀系列
LBK刀柄  P65 BIT ROUGH BORING HEAD + LBK SHANK 新型 RBH-LA 雙刃粗搪刀	 P67 BIT ROUGH BORING HEAD RBH 可調式大徑雙刃粗搪刀系列	+ BST刀柄  P68 BIT ROUGH BORING HEAD FOR LARGE HOLE BORING + BST SHANK RBH 可調式大徑雙刃粗搪刀	 P69 RBH-LA LARGE DIAMETER MODULAR ROUGH BORING HEAD RBH-LA 組合式大徑粗搪刀系列	BST刀柄  P70 RBH-LA LARGE DIAMETER MODULAR ROUGH BORING HEAD RBH-LA 組合式大徑粗搪刀系列
 P71 CBH LARGE DIAMETER MODULAR FINISH BORING HEAD CBH 組合式大徑微調精搪刀系列	BST刀柄  P72 CBH LARGE DIAMETER MODULAR FINISH BORING HEAD CBH 組合式大徑微調精搪刀系列	 P73 CBR MODULAR EXTERNAL FINISH BORING HEAD CBR 組合式外置微調精搪刀系列	 P74 INTERNAL & EXTERNAL SQUARE SHANK FINISH BORING TOOL HOLDER FOR WBST TOOL REST WBST 刀盤專用四方柄內外置精搪孔刀架	BST刀柄  P75 SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST WBST 四方柄大徑搪刀
BST刀柄外置加工用  P76 SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST WBST 四方柄大徑搪刀	 P77 SMALL DIAMETER FINISH BORING HEAD TYPE CBI CBI 小徑微調精搪刀系列	LBK刀柄-小徑搪刀桿BJ系列  P77 CBI SMALL DIAMETER FINISH BORING HEAD CBI 小徑微調精搪刀	AC 型  P78 EXTENSION ADAPTER CBI 系列專用小徑搪刀延長桿	SBJ 型  P78 SUPER FINE DIAMETER TUNGSTEN CARBIDE BORING BAR CBI 系列專用超小徑碳化鎢搪孔刀
 P80 MODULAR ASSEMBLIES FOR EXTERNAL BORING CBR20, CBR30 組合式外置搪孔組件	 P80 EXTENSION ADAPTERS FOR CBR20, CBR30 CBR20, CBR30 專用加長連接桿	超硬化鎢製搪刀桿  P81 SOLID TUNGSTEN CARBIDE BORING BAR RBH-LA 組合式大徑粗搪刀系列	 P82 COLLET 碳化鎢 LBK 直柄搪刀桿專用套筒	 P82 POWER CHUCK HOLDER TYPE MLC 直筒式立銑刀夾頭



P82

C32 STRAIGHT SHANK BORING BAR
C32直柄鑽刀桿 - 接合鑽刀頭

P83

EXTENSION (CONSTANT DIAMETER)
等徑鑽刀延長桿

P83

EXTENSION (REDUCING)
異徑鑽刀延長桿

P83

TAPER SHANK FOR BORING HEADS SERIES
LBK系列鑽刀刀桿

P84

TAPER SHANK FOR BORING HEADS SERIES
BST系列鑽刀刀桿

CUTTING SYSTEM 銑刀系統

P86~94



P86-88

THROW-AWAY HIGH SPEED DRILL
WC刀片/捨棄式快速鑽頭

P89

TPR SHOULDER ENDMILL
直角端銑刀

P90

HIGH-SPEED FACE MILLING CUTTER
45°高速平面銑型銑刀

P90

HIGH-SPEED FACE MILLING CUTTER
45°高速平面銑型銑刀

P91

45° FACE MILLING CUTTER
45°平面銑刀

P91

TPR SHOULDER FACE MILLING CUTTER
直角平面銑刀

P92

POWERFUL FACE MILLING CUTTER
強力平面銑刀

P92

RADIUS FACE MILLING CUTTER
CRT型R角平面銑刀

P93

SIDE MILLING CUTTER
千鳥型側銑刀

P93

T-TYPE SIDE MILLING CUTTER
T型側銑刀

P94

45° CHAMFERING ENDMILL
45°倒角刀

P94

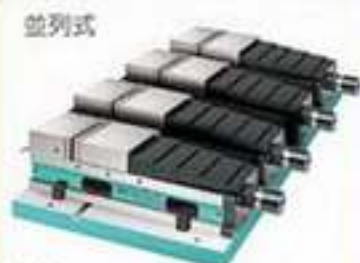
BOLT COUNTERSINK ENDMILL
螺絲頭沉孔銑刀

ACCESSORIES SYSTEM 配件系統

P96~110



P96-97

CONST ANT HYDRAULIC ANGLE LOCK VISE (BACK-TENSION)
MC定壓式增壓角固虎鉗

P98

MC MULTIPLY HYDRAULIC ANGLE LOCK VISE
MC倍增壓角固虎鉗

P99

MC VERTICAL HYDRAULIC ANGLE LOCK VISE
MC增壓角固虎鉗

P100

HYDRAULIC MACHINE VISE (BUILT-IN TYPE)
內藏式增壓虎鉗

P101

TILTING HYDRAULIC VISE
傾斜式增壓虎鉗

P102

SIMPLE INDEXING SPACER
簡易型快速分度盤

P102

SUPER INDEXING SPACER
強力型快速分度盤

P103

HORIZONTAL AND VERTICAL ROTARY TABLE
橫立兩用分度盤

P103

BT TYPE TAPER WIPER
BT型 擦拭棒

P103

HSK TYPE TAPER WIPER
HSK型 擦拭棒

P104

TOOL HOLDER LOCKING DEVICE
鎖刀座



P104

TOOL HOLDER LOCKING DEVICE / HSK-I TYPE
鎖刀座 / HSK-I 型



P105

52 PCS CLAMPING KITS
52件萬能夾具



P105

TOOL STAND-TABLETOP
桌上型刀具架



P106

TOOL STAND
刀具架-單面 & 雙面



P106

TOOL TROLLEY
刀具車



P107

TOUCH POINT SENSOR
光電式尋邊器



P107

TOUCH POINT SENSOR
偏心式尋邊器



P107

CERAMIC EDGE FINDER
陶瓷尋邊器



P108

TEST BAR
測試棒



P108

DIAL GAUGE TOOL LENGTH SETTER
Z 軸高度設定器



P109

END MILL GRINDER
銼刀研磨機



P110

CONTACT TYPE TOOL PRESETTER
接觸式刀具設定儀



- 精密刀桿
- 精密搪刀
- 切削工具
- 配件系列

RBH[®] Acmaxin[®]

億 錡 工 具 產 品 系 列 精 密 、 耐 用





ACmaxin®

刀桿系統 TOOLING SYSTEM

精密銑刀夾頭	POWERGRIP MILLING CHUCK
筒夾	SPRING CHUCK
螺帽 / 扳手	COLLET CHUCK NUT / WRENCH
精密刀桿	POWERGRIP ARBOR
高周波燒結機	INDUCTIVE SHRINK MACHINE
燒結式刀柄	HEAT SHRINK ARBOR
直結式鑽夾頭	CNC DRILL CHUCKS
絲攻刀桿	TAPPING CHUCKS
平面銑刀柄	FACE MILL
側銑刀架	BT SIDE CUTTER ADAPTOR
BT拉桿 / 拉頭	BT PULL STUD

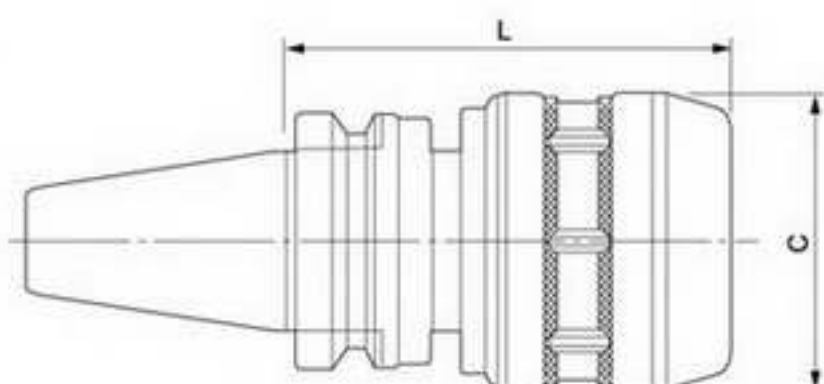
PROFESSIONAL TOOLING SYSTEM





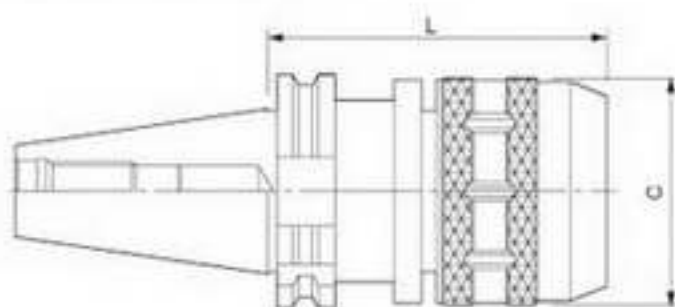
BT MILLING CHUCK / KCH
BT 強力型精密銑刀夾頭

刀桿系統



Model No.	Clamping Range (mm)	L (mm)	C (mm)	Collet	Weight (kgs)
BT30-KCH16-70	4-16	70	42	C16	1.19
BT30-KCH20-80	6-20	80	52	C20	1.19
BT30-KCH25-80	6-25	80	60	C25	1.3
BT30-KCH32-100	6-32	100	68	C32	1.5
BT40-KCH16-75	4-16	75	42	C16	1.4
BT40-KCH16-90	4-16	90	42	C16	1.5
BT40-KCH20-75	6-20	75	52	C20	1.6
BT40-KCH20-105	6-20	105	52	C20	1.8
BT40-KCH25-75	6-25	75	60	C25	2
BT40-KCH25-105	6-25	105	60	C25	2.2
BT40-KCH32-95	6-32	95	68	C32	2.34
BT40-KCH32-135	6-32	135	68	C32	3.5
BT50-KCH16-105	4-16	105	42	C16	4.44
BT50-KCH16-135	4-16	135	42	C16	4.99
BT50-KCH16-165	4-16	165	42	C16	5.54
BT50-KCH20-105	6-20	105	52	C20	4.69
BT50-KCH20-135	6-20	135	52	C20	5.24
BT50-KCH20-165	6-20	165	52	C20	5.77
BT50-KCH25-105	6-25	105	60	C25	4.86
BT50-KCH25-135	6-25	135	60	C25	5.41
BT50-KCH25-165	6-25	165	60	C25	5.96
BT50-KCH32-105	6-32	105	68	C32	5.64
BT50-KCH32-135	6-32	135	68	C32	6.25
BT50-KCH32-165	6-32	165	68	C32	7.35
BT50-KCH42-105	6-42	105	87	C42	7.5
BT50-KCH42-135	6-42	135	87	C42	8.7
BT50-KCH42-165	6-42	165	87	C42	9.9

SK MILLING CHUCK / KCH SK 強力型精密銑刀夾頭



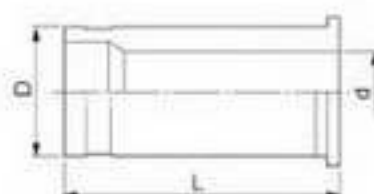
Model No.	Clamping Range (mm)	L (mm)	C (mm)	Collet	Weight (kgs)
SK40-KCH16-90	4-16	90	42	C16	-
SK40-KCH20-80	6-20	80	52	C20	2
SK40-KCH25-90	6-25	90	60	C25	2
SK40-KCH32-105	6-32	105	68	C32	2.7
SK50-KCH16-100	4-16	100	42	C16	-
SK50-KCH20-105	6-20	105	52	C20	-
SK50-KCH25-105	6-25	105	60	C25	-
SK50-KCH32-100	6-32	100	68	C32	4.5
SK50-KCH42-105	6-42	105	87	C42	5.7

NT MILLING COLLET CHUCK SET / KCH NT 強力型精密銑刀夾頭組



Model No.	Capacity (mm)	Collet Set	Weight (kgs)
NT30-KCH20-75	6-20	6, 8, 10, 12, 16	1.5
NT40-KCH32-85	6-32	6, 8, 10, 12, 16, 20, 25	2.6
NT50-KCH32-90			4.5
NT50-KCH42-105	6-42	6, 8, 10, 12, 16, 20, 25, 32	5.5

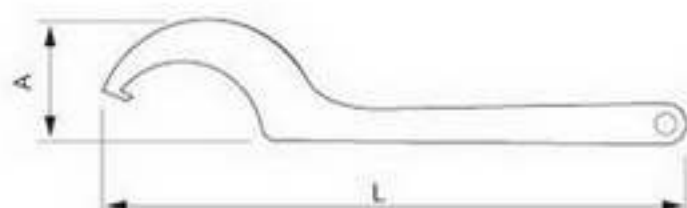
C STRAIGHT COLLETS 直筒夾



Model No.	ØD (mm)	Ød (mm)	L (mm)	Weight (kgs)
C16	16	4, 6, 8, 10, 12	48	-
C20	20	6, 8, 10, 12, 16	57	0.1
C25	25	6, 8, 10, 12, 16, 20	60	0.2
C32	32	6, 8, 10, 12, 16, 20, 25	67	0.3
		4, 5, 7, 9, 11, 13, 14, 15, 17, 18, 19, 21, 22, 23, 24 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"		
C42	42	6, 8, 10, 12, 16, 20, 25, 32	76	0.4



WRENCH 扳手



Model No.	L (mm)	A (mm)	Weight (kgs)
KCH16	210	41	0.2
KCH20	234	42	0.22
KCH25	253	52	0.22
KCH32	270	53	0.33
KCH42	313	68	0.35



MILLING CHUCK MAS 403

立銑刀夾頭

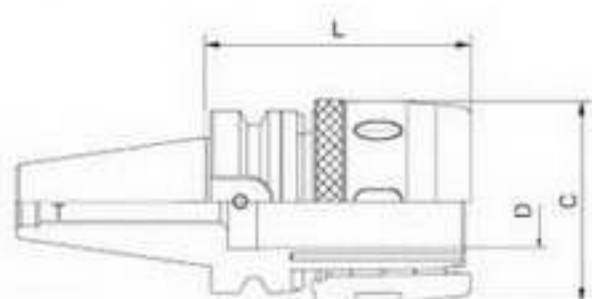


Fig.1

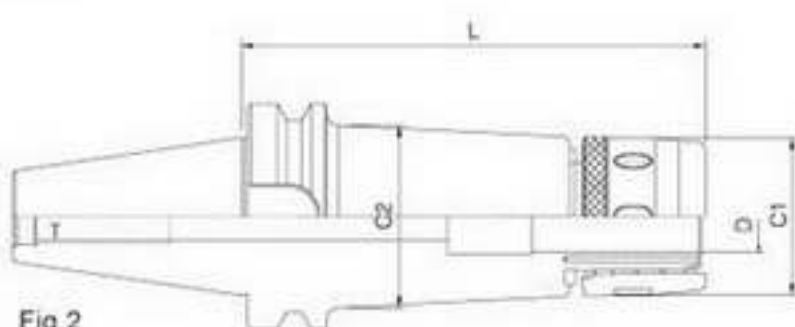


Fig.2

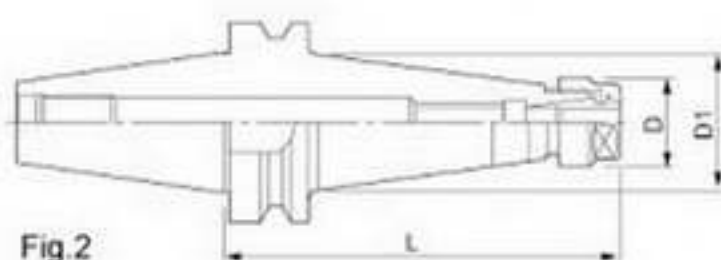
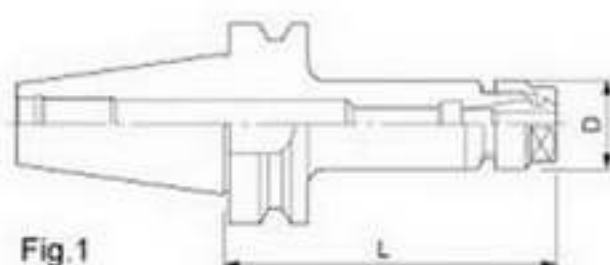


Model No.	Fig	D	C1	C2	L	Spanner	Weight (kgs)	Draw Bar G
BT30-IMC20-75	1	20	53	-	75	IMC20-T	1.19	M12-P1.75
BT40-IMC20-75	1	20	53	-	75	IMC20-T	1.6	
BT40-IMC32-90	1	32	70	-	90	IMC32-T	2.34	M16-P2.0
BT40-IMC32-105	1	32	70	-	105	IMC32-T	2.7	
BT40-IMC32-135	1	32	70	-	135	IMC32-T	3.5	
BT50-IMC32-105	1	32	70	-	105	IMC32-T	5.64	
BT50-IMC32-135	2	32	70	90	135	IMC32-T	6.25	
BT50-IMC32-165	2	32	70	90	165	IMC32-T	7.35	
BT50-IMC32-200	2	32	70	90	200	IMC32-T	9.7	
BT50-IMC32-250	2	32	70	90	250	IMC32-T	12	
BT50-IMC42-105	1	42	100	-	15	IMC42-T	7.5	M24-P3.0
BT50-IMC42-135	1	42	100	-	135	IMC42-T	8.7	
BT50-IMC42-165	1	42	100	-	165	IMC42-T	9.9	
BT50-IMC42-200	1	42	100	-	200	IMC42-T	12	
BT50-IMC42-250	1	42	100	-	250	IMC42-T	15	



BT COLLET CHUCK / ER

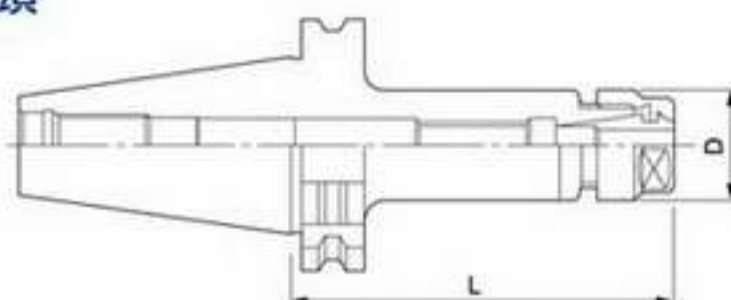
ER 銑刀夾頭



Model No.	Fig	Clamping Range (mm)	L (mm)	ØD (mm)	ØD1 (mm)	Collet Type
BT30-ER11-60	1	0.5-7	60	19	-	ER-11
BT30-ER11-80	1	0.5-7	80	19	-	ER-11
BT30-ER11-100	2	0.5-7	100	19	22	ER-11
BT30-ER16-60	1	0.5-10	60	28	-	ER-16
BT30-ER16-70	1	0.5-10	70	28	-	ER-16
BT30-ER16-80	1	0.5-10	80	28	-	ER-16
BT30-ER16-100	1	0.5-10	100	28	-	ER-16
BT30-ER20-60	1	1-13	60	34	-	ER-20
BT30-ER20-70	1	1-13	70	34	-	ER-20
BT30-ER20-80	1	1-13	80	34	-	ER-20
BT30-ER20-100	1	1-13	100	34	-	ER-20
BT30-ER25-60	1	1-16	60	42	-	ER-25
BT30-ER25-70	1	1-16	70	42	-	ER-25
BT30-ER25-80	1	1-16	80	42	-	ER-25
BT30-ER25-100	1	1-16	100	42	-	ER-25
BT30-ER32-60	1	2-20	60	50	-	ER-32
BT30-ER32-80	1	2-20	80	50	-	ER-32
BT30-ER32-100	1	2-20	100	50	-	ER-32
BT40-ER11-70	1	0.5-7	70	19	-	ER-11
BT40-ER11-100	2	0.5-7	100	19	22	ER-11
BT40-ER16-70	1	0.5-10	70	28	-	ER-16
BT40-ER16-100	1	0.5-10	100	28	-	ER-16
BT40-ER16-125	1	0.5-10	125	28	-	ER-16
BT40-ER16-150	2	0.5-10	150	28	32	ER-16
BT40-ER16-200	2	0.5-10	200	28	34	ER-16
BT40-ER20-70	1	1-13	70	34	-	ER-20
BT40-ER20-100	1	1-13	100	34	-	ER-20
BT40-ER20-125	1	1-13	125	34	-	ER-20
BT40-ER20-150	2	1-13	150	34	40	ER-20
BT40-ER20-200	2	1-13	200	34	42	ER-20
BT40-ER25-70	1	1-16	70	42	-	ER-25
BT40-ER25-80	1	1-16	80	42	-	ER-25
BT40-ER25-100	1	1-16	100	42	-	ER-25
BT40-ER25-125	1	1-16	125	42	-	ER-25
BT40-ER25-150	2	1-16	150	42	48	ER-25
BT40-ER25-200	2	1-16	200	42	50	ER-25
BT40-ER32-70	1	2-20	70	50	-	ER-32



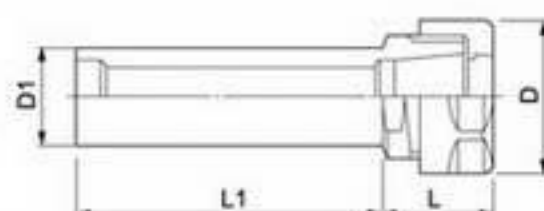
SK COLLET CHUCK / ER ER 銑刀夾頭



Model No.	Clamping Range (mm)	L (mm)	ØD (mm)	Collet	Weight (kgs)
SK40-ER16-70	0.5-10	70	28	ER-16	1
SK40-ER16-100	0.5-10	100	28	ER-16	1.2
SK40-ER20-70	1-13	70	34	ER-20	1.1
SK40-ER20-100	1-13	100	34	ER-20	1.3
SK40-ER25-80	1-16	80	42	ER-25	1.2
SK40-ER25-100	1-16	100	42	ER-25	1
SK40-ER32-70	2-20	70	50	ER-32	1.2
SK40-ER32-100	2-20	100	50	ER-32	-
SK40-ER40-80	2-26	80	63	ER-40	1.4
SK40-ER40-100	2-26	100	63	ER-40	-
SK50-ER16-100	0.5-10	100	28	ER-16	3.5
SK50-ER20-100	1-13	100	34	ER-20	3.5
SK50-ER25-100	1-16	100	42	ER-25	3.7
SK50-ER32-100	2-20	100	50	ER-32	3.7
SK50-ER40-100	2-26	100	63	ER-40	4.3



STRAIGHT SHANK COLLET CHUCK KIT 直柄ER夾頭



Model No.	L1 (mm)	L (mm)	ØD (mm)	ØD1 (mm)	Weight (kgs)
Ø16-ER11 x 100	100	25	19 (16)	16	0.18
Ø20-ER16 x 50	50	30	28 (22)	20	0.17
Ø20-ER16 x 100	100	30	28 (22)	20	0.3
Ø20-ER16 x 150	150	30	28 (22)	20	0.43
Ø20-ER16 x 200	200	30	28 (22)	20	0.6
Ø20-ER20 x 50	50	36	34 (28)	20	0.22
Ø20-ER20 x 100	100	36	34 (28)	20	0.33
Ø20-ER20 x 150	150	36	34 (28)	20	0.44
Ø20-ER20 x 200	200	36	34 (28)	20	0.62
Ø25-ER16 x 50	50	30	28 (22)	25	0.27
Ø25-ER16 x 100	100	30	28 (22)	25	0.45
Ø25-ER20 x 50	50	36	34 (28)	25	0.27
Ø25-ER20 x 100	100	36	34 (28)	25	0.7
Ø25-ER20 x 150	150	36	34 (28)	25	0.62
Ø32-ER32 x 100	100	36	50	32	0.91
Ø32-ER32 x 150	150	36	50	32	1.16
Ø32-ER32 x 200	200	36	50	32	1.47



NT ER COLLET CHUCK ER 銑刀夾頭套組



NT40-ER20-76 / 12PCS



NT40-ER40-60 / 23PCS

Model No.	Set Range (mm)	Collect	Weight (Kgs)	Draw Bar G
NT30-ER16-76-10	1-10	ER16 10PCS	1.7	
NT30-ER20-76-12	2-13	ER20 12PCS	1.8	1. M12x1.75P
NT30-ER25-55-15	2-16	ER25 15PCS	2.8	2. 1/2" - 12
NT30-ER25-55-7	4-16	ER25 7PCS	2.4	
NT30-ER32-55-18	3-20	ER32 18PCS	4.2	
NT30-ER32-55-11	4-20	ER32 11PCS	3.2	
NT30-ER32-55-6	6-20	ER32 6PCS	2.8	1. M12 x 1.75P
NT30-ER40-70-23	4-26	ER40 23PCS	7.3	2. 1/2" - 12
NT30-ER40-70-15	4-26	ER40 15PCS	6.0	3. 1/2" - 13UNC
NT30-ER40-70-7	6-25	ER40 7PCS	4.6	
NT40-ER16-76-10	1-10	ER16 10PCS	2.4	
NT40-ER20-76-12	2-13	ER20 12PCS	2.5	1. M16x2.0P
NT40-ER25-50-15	2-16	ER25 15PCS	3.3	2. 5/8" - 11
NT40-ER25-50-7	4-16	ER25 7PCS	3.0	
NT40-ER32-50-18	3-20	ER32 18PCS	4.8	
NT40-ER32-50-11	4-20	ER32 11PCS	3.8	
NT40-ER32-50-6	6-20	ER32 6PCS	3.4	1. M16x2.0P
NT40-ER40-60-23	4-26	ER40 23PCS	8.2	2. 5/8" - 11
NT40-ER40-60-15	4-26	ER40 15PCS	6.9	
NT40-ER40-60-7	6-25	ER40 7PCS	5.2	
NT50-ER32-60-18	3-20	ER32 18PCS	6.4	
NT50-ER32-60-11	4-20	ER32 11PCS	5.4	
NT50-ER32-60-6	6-20	ER32 6PCS	5.0	1. M24x3.0P
NT50-ER40-65-23	4-26	ER40 23PCS	9.8	2. 1" - 8
NT50-ER40-65-15	4-26	ER40 15PCS	8.5	
NT50-ER40-65-7	6-25	ER40 7PCS	7.0	

ER SPRING COLLET KIT
ER 筒夾組

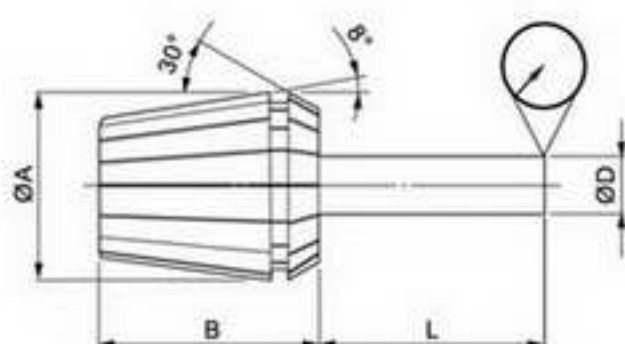
刀桿系統



Model No.	Collet Type	Set (pcs)	Range Size (mm)	Packing	Weight (Kgs)
ER11-13	ER11	13 PCS	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	Paper box	0.3
ER11-07	ER11	7 PCS	1, 2, 3, 4, 5, 6, 7	Paper box	0.2
ER16-10	ER16	10 PCS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Paper box	0.7
ER16-08	ER16	8 PCS	3, 4, 5, 6, 7, 8, 9, 10	Paper box	0.6
ER20-12	ER20	12 PCS	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Paper box	0.9
ER20-10	ER20	10 PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Paper box	0.8
ER25-15	ER25	15 PCS	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	Wooden box	1.3
ER25-07	ER25	7 PCS	4, 6, 8, 10, 12, 14, 16	Paper box	0.35
ER32-18	ER32	18 PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	Plastic box	3.3
ER32-11	ER32	11 PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20	Paper box	2.8
ER32-06	ER32	6 PCS	6, 8, 10, 12, 16, 20	Paper box	0.9
ER40-23	ER40	23 PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	Plastic box	6.5
ER40-15	ER40	15 PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26	Plastic box	4.2
ER40-07	ER40	7 PCS	6, 8, 10, 12, 16, 20, 25	Paper box	2

ER SPRING COLLET SYSTEM

ER 筒夾



Dimension

Type	A	B
ER11	11.5	18
ER16	17	27
ER20	21	31
ER25	26	35
ER32	33	40
ER40	41	46

Accuracy

L (mm)	D (mm)	Standard Precision
6	1.0 - 1.4	0.015
10	1.5 - 2.9	0.015
16	3.0 - 5.9	0.015
25	6.0 - 9.9	0.02
40	10.0 - 17.9	0.02
50	18.0 - 26.9	0.02
60	27.0 - 34.9	0.02

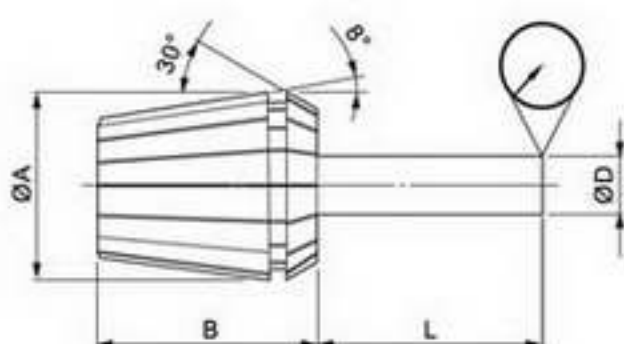
ER11		
Model No.	ØD (mm)	Clamping Range (mm)
ER1101	1.0	1.0~0.5
ER1102	1.5	1.5~1.0
ER1103	2.0	2.0~1.5
ER1104	2.5	2.5~2.0
ER1105	3.0	3.0~2.5
ER1106	3.5	3.5~3.0
ER1107	4.0	4.0~3.5
ER1108	4.5	4.5~4.0
ER1109	5.0	5.0~4.5
ER1110	5.5	5.5~5.0
ER1111	6.0	6.0~5.5
ER1112	6.5	6.5~6.0
ER1113	7.0	7.0~6.5

ER16		
Model No.	ØD (mm)	Clamping Range (mm)
ER1601	1.0	1.0~0.5
ER1602	1.5	1.5~1.0
ER1603	2.0	2.0~1.5
ER1604	2.5	2.5~2.0
ER1605	3.0	3.0~2.5
ER1606	3.5	3.5~3.0
ER1607	4.0	4.0~3.5
ER1608	4.5	4.5~4.0
ER1609	5.0	5.0~4.5
ER1610	5.5	5.5~5.0
ER1611	6.0	6.0~5.5
ER1612	6.5	6.5~6.0
ER1613	7.0	7.0~6.5
ER1614	7.5	7.5~7.0
ER1615	8.0	8.0~7.5
ER1616	8.5	8.5~8.0
ER1617	9.0	9.0~8.5
ER1618	9.5	9.5~9.0
ER1619	10.0	10.0~9.5

ER20		
Model No.	ØD (mm)	Clamping Range (mm)
ER2001	1.0	1.0~0.5
ER2002	1.5	1.5~1.0
ER2003	2.0	2.0~1.5
ER2004	2.5	2.5~2.0
ER2005	3.0	3.0~2.5
ER2006	3.5	3.5~3.0
ER2007	4.0	4.0~3.5
ER2008	4.5	4.5~4.0
ER2009	5.0	5.0~4.5
ER2010	5.5	5.5~5.0
ER2011	6.0	6.0~5.5
ER2012	6.5	6.5~6.0
ER2013	7.0	7.0~6.5
ER2014	7.5	7.5~7.0
ER2015	8.0	8.0~7.5
ER2016	8.5	8.5~8.0
ER2017	9.0	9.0~8.5
ER2018	9.5	9.5~9.0
ER2019	10.0	10.0~9.5
ER2020	10.5	10.5~10.0
ER2021	11.0	11.0~10.5
ER2022	11.5	11.5~11.0
ER2023	12.0	12.0~11.5
ER2024	12.5	12.5~12.0
ER2025	13.0	13.0~12.5



ER SPRING COLLET SYSTEM ER 筒夾



Dimension

Type	A	B
ER11	11.5	18
ER16	17	27
ER20	21	31
ER25	26	35
ER32	33	40
ER40	41	46

Accuracy

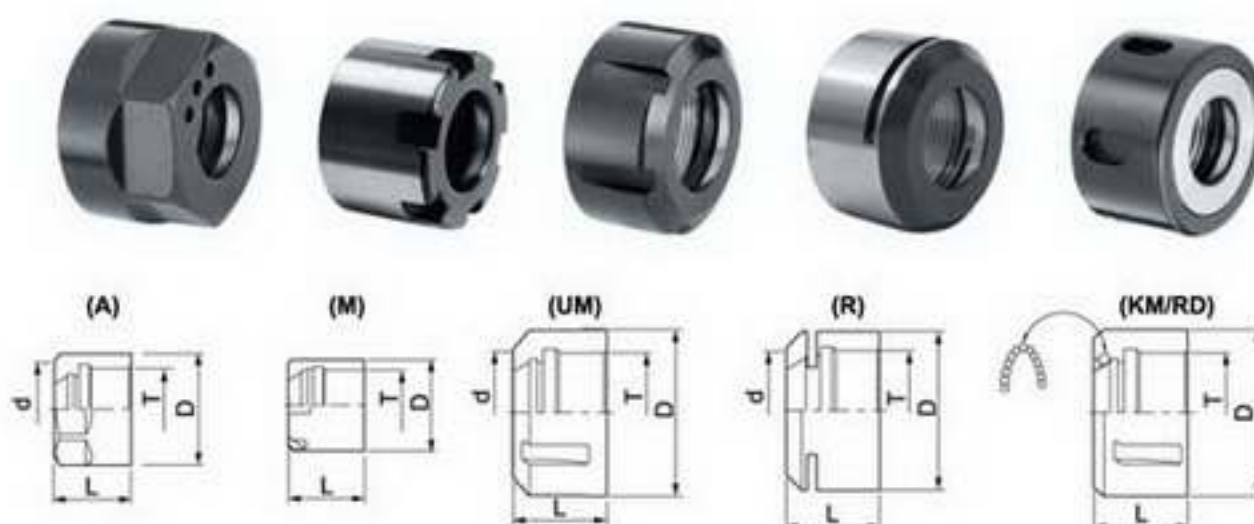
L (mm)	D (mm)	Standard Precision
6	1.0 - 1.4	0.015
10	1.5 - 2.9	0.015
16	3.0 - 5.9	0.015
25	6.0 - 9.9	0.02
40	10.0 - 17.9	0.02
50	18.0 - 26.9	0.02
60	27.0 - 34.9	0.02

ER25		
Model No.	ØD (mm)	Clamping Range (mm)
ER2501	1	1.0~0.5
ER2502	2	2.0~1.0
ER2503	3	3.0~2.0
ER2504	4	4.0~3.0
ER2505	5	5.0~4.0
ER2506	6	6.0~5.0
ER2507	7	7.0~6.0
ER2508	8	8.0~7.0
ER2509	9	9.0~8.0
ER2510	10	10.0~9.0
ER2511	11	11.0~10.0
ER2512	12	12.0~11.0
ER2513	13	13.0~12.0
ER2514	14	14.0~13.0
ER2515	15	15.0~14.0
ER2516	16	16.0~15.0

ER32		
Model No.	ØD (mm)	Clamping Range (mm)
ER3201	2	2.0~1.0
ER3202	3	3.0~2.0
ER3203	4	4.0~3.0
ER3204	5	5.0~4.0
ER3205	6	6.0~5.0
ER3206	7	7.0~6.0
ER3207	8	8.0~7.0
ER3208	9	9.0~8.0
ER3209	10	10.0~9.0
ER3210	11	11.0~10.0
ER3211	12	12.0~11.0
ER3212	13	13.0~12.0
ER3213	14	14.0~13.0
ER3214	15	15.0~14.0
ER3215	16	16.0~15.0
ER3216	17	17.0~16.0
ER3217	18	18.0~17.0
ER3218	19	19.0~18.0
ER3219	20	20.0~19.0

ER40		
Model No.	ØD (mm)	Clamping Range (mm)
ER4001	3	3.0~2.0
ER4002	4	4.0~3.0
ER4003	5	5.0~4.0
ER4004	6	6.0~5.0
ER4005	7	7.0~6.0
ER4006	8	8.0~7.0
ER4007	9	9.0~8.0
ER4008	10	10.0~9.0
ER4009	11	11.0~10.0
ER4010	12	12.0~11.0
ER4011	13	13.0~12.0
ER4012	14	14.0~13.0
ER4013	15	15.0~14.0
ER4014	16	16.0~15.0
ER4015	17	17.0~16.0
ER4016	18	18.0~17.0
ER4017	19	19.0~18.0
ER4018	20	20.0~19.0
ER4019	21	21.0~20.0
ER4020	22	22.0~21.0
ER4021	23	23.0~22.0
ER4022	24	24.0~23.0
ER4023	25	25.0~24.0
ER4024	26	26.0~25.0

ER COLLET CHUCK NUT (DIN6499) ER 螺帽



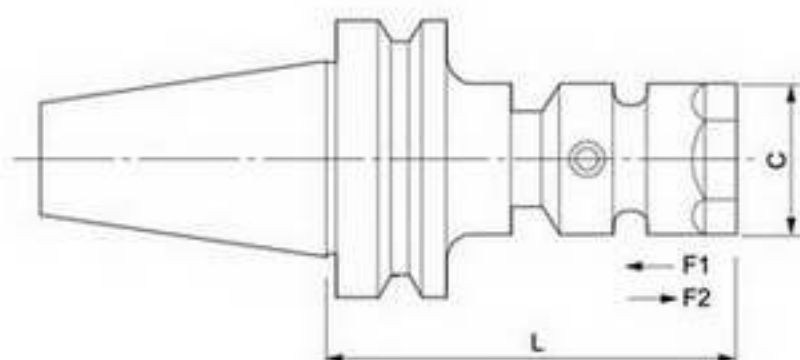
Model No.	Type	ØD (mm)	d (mm)	L (mm)	T
ER11	A	19	17	12	M14 x 0.75P
ER16	A	28	25	20	M22 x 1.5P
ER20	A	34	28(29)	22	M25 x 1.5P
ER20 (M26)	A	34	28(29)	22	M26 x 1.5P
ER11	M	16	-	14	M13 x 0.75P
ER16	M	23	-	19	M19 x 1.0P
ER20	M	29	-	22	M24 x 1.0P
ER20	UM	37	28	20	M27 x 1.5P
ER25	UM	42	29	24	M32 x 1.5P
ER32	UM	50	39	25	M40 x 1.5P
ER40	UM	63	48	31	M50 x 1.5P
ER16	R	22	20	19	M19 x 1.0P
ER20	R	30	25	25	M25 x 1.5P
ER25	R	40	32	24	M32 x 1.5P
ER20	KM/RD	36	-	20	M26 x 1.5P
ER32	KM/RD	50	-	27	M40 x 1.5P

ER COLLET CHUCK WRENCH ER 扳手



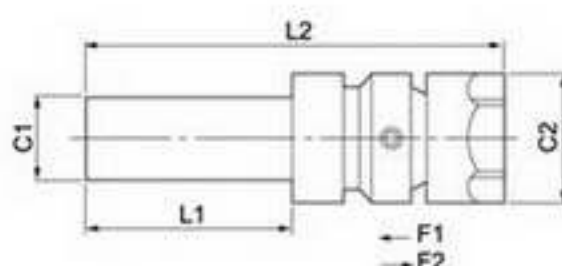
Model No.	Fig.	L (mm)	A
ER16 (A)	1	169	25
ER20 (A)	1	169	30
ER25 (UM)	2	211	37
ER32 (UM)	2	251	46.5
ER40 (UM)	2	288	58
ER11 (M)	3	102	15
ER16 (M)	3	117	22
ER20 (M)	3	130	28
ER20 (C)	4	193	34
ER16 (R)	5	140	15.2
ER20 (R)	5	155	19
ER25 (R)	5	184	22

BT TAPPING HOLDER / TER
ER 伸縮攻牙器



Model No.	Tapping Range	C (mm)	L (mm)	F1 (mm)	F2 (mm)	Weight (kgs)
BT30-TER16-75	M3-M12	28	75	4	8	0.62
BT30-TER20-100	M4-M16	34	100	4	8	1.2
BT30-TER32-120	M8-M27	50	120	4	8	1.39
BT40-TER16-75	M3-M12	28	75	4	8	1.23
BT40-TER16-100	M3-M12	28	100	4	8	1.32
BT40-TER20-80	M4-M16	34	80	4	8	1
BT40-TER20-100	M4-M16	34	100	4	8	1
BT40-TER20-150	M4-M16	34	150	4	8	1.67
BT40-TER32-100	M8-M27	50	100	4	10	1.78
BT40-TER32-150	M8-M27	50	150	4	10	1.9
BT50-TER16-100	M3-M12	28	100	4	8	4.01
BT50-TER16-125	M3-M12	28	125	4	8	4.2
BT50-TER16-150	M3-M12	28	150	4	8	4.3
BT50-TER20-120	M4-M16	34	120	4	8	4.23
BT50-TER20-150	M4-M16	34	150	4	8	4.3
BT50-TER32-100	M8-M27	50	100	4	10	4.32
BT50-TER32-150	M8-M27	50	150	4	10	5

TAPPING HOLDER / TER
ER 伸縮攻牙器



Model No.	Tapping Range	L1 (mm)	L2 (mm)	C1 (mm)	C2 (mm)	F1 (mm)	F2 (mm)	Weight (kgs)
C20-TER16-80	M3-M12	80	130	20	28	4	8	0.69
C20-TER20-80	M4-M16	80	150	20	34	4	8	0.86
C25-TER16-80	M3-M12	80	130	25	28	4	8	0.68
C25-TER20-80	M4-M16	80	150	25	34	4	8	0.85
C32-TER32-80	M8-M27	80	170	32	50	4	10	1.19
C32-TER32-150	M8-M27	80	170	32	50	4	10	1.36
SL20-TER16-80	M3-M12	80	130	20	28	4	8	0.69
SL20-TER20-80	M4-M16	80	150	20	34	4	8	0.84
SL25-TER16-80	M3-M12	80	130	25	28	4	8	0.81
SL25-TER20-80	M4-M16	80	150	25	34	4	10	0.95
SL32-TER32-80	M8-M27	80	170	32	50	4	10	1.38
SL32-TER32-150	M8-M27	80	170	32	50	4	10	1.55

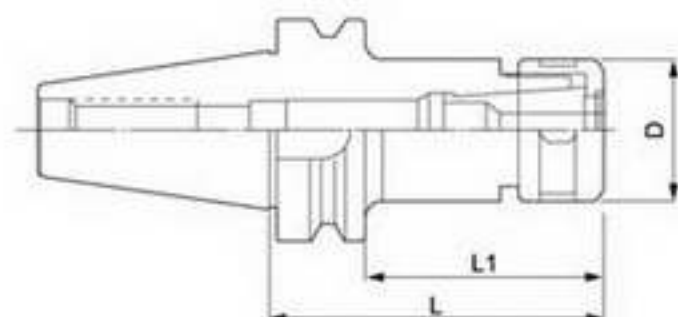


BT-SK COLLET CHUCK SYSTEM

BT-SK 刀桿

Feature

1. The SK chuck is according to design of angle 8° with high accuracy and high gripping range. The gripping torque is higher than standard ER chuck.
2. The dynamic balance of BT30 and BT40 SK chuck can reached 15000 rpm x 2.5G.



Model No.	Collet	L (mm)	L1 (mm)	ØD	Collet	Weight (kgs)
BT30-SK10-60	2 - 10	60	38	28	SK10	0.5
BT30-SK10-90	2 - 10	90	68	28	SK10	0.67
BT30-SK16-60	3 - 16	60	38	40	SK16	0.56
BT30-SK16-90	3 - 16	90	68	40	SK16	0.84
BT40-SK10-60	2 - 10	60	33	28	SK10	1
BT40-SK10-90	2 - 10	90	63	28	SK10	1.1
BT40-SK10-120	2 - 10	120	93	28	SK10	1.2
BT40-SK10-150	2 - 10	150	123	28	SK10	1.3
BT40-SK10-165	2 - 10	165	138	28	SK10	1.4
BT40-SK10-200	2 - 10	200	173	28	SK10	1.5
BT40-SK16-60	3 - 16	60	33	40	SK16	1.2
BT40-SK16-90	3 - 16	90	63	40	SK16	1.3
BT40-SK16-120	3 - 16	120	93	40	SK16	1.4
BT40-SK16-150	3 - 16	150	123	40	SK16	1.5
BT40-SK16-165	3 - 16	165	138	40	SK16	1.6
BT40-SK16-200	3 - 16	200	173	40	SK16	1.7
BT40-SK20-60	3 - 20	60	33	50	SK20	1.2
BT40-SK20-90	3 - 20	90	63	50	SK20	1.3
BT40-SK20-120	3 - 20	120	93	50	SK20	1.4
BT40-SK20-150	3 - 20	150	123	50	SK20	1.5
BT40-SK20-200	3 - 20	200	173	50	SK20	3.32
BT40-SK25-80	6 - 25	80	53	55	SK25	1.5
BT40-SK25-120	6 - 25	120	93	55	SK25	1.7
BT50-SK10-105	2 - 10	105	67	28	SK10	3.6
BT50-SK10-135	2 - 10	135	97	28	SK10	3.8
BT50-SK10-150	2 - 10	150	112	28	SK10	4
BT50-SK10-165	2 - 10	165	127	28	SK10	4
BT50-SK10-200	2 - 10	200	162	28	SK10	-
BT50-SK16-105	3 - 16	105	67	40	SK16	4
BT50-SK16-135	3 - 16	135	97	40	SK16	4.2
BT50-SK16-150	3 - 16	150	112	40	SK16	4.5
BT50-SK16-200	3 - 16	200	162	40	SK16	5
BT50-SK16-250	3 - 16	250	212	40	SK16	5.2
BT50-SK20-105	3 - 20	105	67	50	SK20	4.5
BT50-SK20-135	3 - 20	135	97	50	SK20	5
BT50-SK20-150	3 - 20	150	112	50	SK20	5.3
BT50-SK20-165	3 - 20	165	127	50	SK20	5.6
BT50-SK20-200	3 - 20	200	162	50	SK20	6
BT50-SK20-250	3 - 20	250	212	50	SK20	6.3
BT50-SK25-105	6 - 25	105	67	55	SK25	5.5
BT50-SK25-135	6 - 25	135	97	55	SK25	5.8
BT50-SK25-150	6 - 25	150	112	55	SK25	6.1
BT50-SK25-165	6 - 25	165	127	55	SK25	6.4
BT50-SK25-200	6 - 25	200	162	55	SK25	6.7
BT50-SK25-250	6 - 25	250	212	55	SK25	7

(BT50-SK刀桿另有含動平衡系列可選購) (Optional for the balance series of BT50.)



SET OF SK COLLETS AND MAS BT CHUCK SK 筒夾組

Feature

1. AA collets packed in box.
2. Package including: chuck, collet, wrench, box.



Model No.	Set Range (mm)	Collet	Weight (kgs)
BT30-SK10-60 / 8pcs	3-10	SK10-8pcs	1.7
BT30-SK10-90 / 8pcs	3-10	SK10-8pcs	1.9
BT30-SK16-60 / 8pcs	3-16	SK16-8pcs	2.5
BT30-SK16-90 / 8pcs	3-16	SK16-8pcs	2.8
BT40-SK10-60 / 8pcs	3-10	SK10-8pcs	2.6
BT40-SK10-90 / 8pcs	3-10	SK10-8pcs	2.8
BT40-SK16-60 / 8pcs	3-16	SK16-8pcs	3
BT40-SK16-90 / 8pcs	3-16	SK16-8pcs	3.3
BT40-SK20-60 / 8pcs	4-20	SK20-8pcs	3.8
BT40-SK20-90 / 8pcs	4-20	SK20-8pcs	4.1
BT40-SK25-80 / 7pcs	6-25	SK25-7pcs	4.5

SK Collet Set	Set Range (mm)	Weight (kgs)
SK10 / 8 pcs	Ø3, 4, 5, 6, 7, 8, 9, 10	-
SK16 / 8 pcs	Ø3, 4, 6, 8, 10, 12, 14, 16	1.2
SK20 / 8 pcs	Ø3, 4, 6, 8, 10, 12, 16, 20	1.12
SK25 / 7 pcs	Ø6, 8, 10, 12, 16, 20, 25	1.05



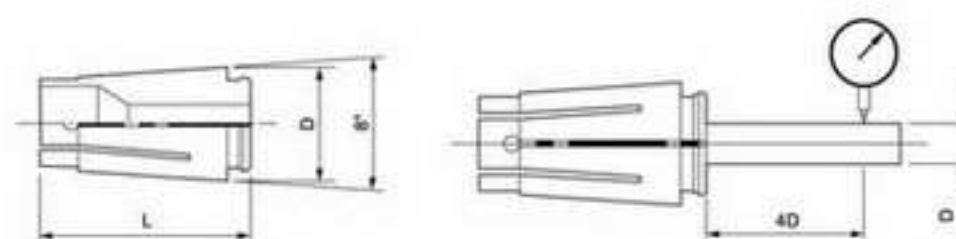
SK SPRING COLLET SYSTEM A CLASS

SK 筒夾

The gripping range of Dia. Below 3mm is 0.25mm.

The gripping range of Dia. Over 3mm is 0.5mm.

The runout of A collet is 10μ.



Type	D	L
SK06	10.5	25
SK10	15.5	30.5
SK16	24.5	45
SK20	29.5	50
SK25	35.5	57

SK10 (A級)			SK16 (A級)			SK20 (A級)			SK25 (A級)		
Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)
SK1001A	2	2~1.75	SK1601A	3	3~2.75	SK2001A	3	3~2.75	SK2501A	6	6~5.5
SK1002A	2.5	2.5~2.25	SK1602A	3.175	3.175~2.7	SK2002A	4	4~3.5	SK2502A	8	8~7.5
SK1003A	3	3~2.75	SK1603A	3.5	3.5~3	SK2003A	6	6~5.5	SK2503A	10	10~9.5
SK1004A	3.175	3.175~2.7	SK1604A	4	4~3.5	SK2004A	8	8~7.5	SK2504A	12	12~11.5
SK1005A	3.5	3.5~3	SK1605A	4.5	4.5~4	SK2005A	10	10~9.5	SK2505A	14	14~13.5
SK1006A	4	4~3.5	SK1606A	5	5~4.5	SK2006A	12	12~11.5	SK2506A	16	16~15.5
SK1007A	4.5	4.5~4	SK1607A	5.5	5.5~5	SK2007A	16	16~15.5	SK2507A	18	18~17.5
SK1008A	5	5~4.5	SK1608A	6	6~5.5	SK2008A	20	20~19.5	SK2508A	20	20~19.5
SK1009A	5.5	5.5~5	SK1609A	6.5	6.5~6				SK2509A	22	22~21.5
SK1010A	6	6~5.5	SK1610A	7	7~6.5				SK2510A	24	24~23.5
SK1011A	6.5	6.5~6	SK1611A	7.5	7.5~7				SK2511A	25	25~24.5
SK1012A	7	7~6.5	SK1612A	8	8~7.5				SK2512A	25.4	25.4~25
SK1013A	7.5	7.5~7	SK1613A	8.5	8.5~8						
SK1014A	8	8~7.5	SK1614A	9	9~8.5						
SK1015A	8.5	8.5~8	SK1615A	9.5	9.5~9						
SK1016A	9	9~8.5	SK1616A	10	10~9.5						
SK1017A	9.5	9.5~9	SK1617A	10.5	10.5~10						
SK1018A	10	10~9.5	SK1618A	11	11~10.5						
			SK1619A	11.5	11.5~11						
			SK1620A	12	12~11.5						
			SK1621A	12.5	12.5~12						
			SK1622A	13	13~12.5						
			SK1623A	13.5	13.5~13						
			SK1624A	14	14~13.5						
			SK1625A	14.5	14.5~14						
			SK1626A	15	15~14.5						
			SK1627A	15.5	15.5~15						
			SK1628A	16	16~15.5						



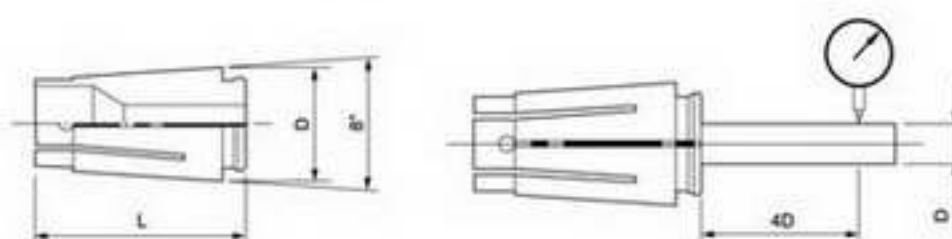
SK SPRING COLLET SYSTEM AA CLASS

SK 筒夾

The gripping range of Dia. Bellow 3mm is 0.25mm.

The gripping range of Dia. Over 3mm is 0.5mm.

The runout of AA collet is 5μ.



Type	D	L
SK06	10.5	25
SK10	15.5	30.5
SK16	24.5	45
SK20	29.5	50
SK25	35.5	57

SK10 (AA級)			SK16 (AA級)			SK20 (AA級)			SK25 (AA級)		
Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)	Model No.	ØD (mm)	Clamping Range(mm)
SK1001AA	2	2~1.75	SK1601AA	3	3~2.75	SK2001AA	3	3~2.75	SK2501AA	6	6~5.5
SK1002AA	2.5	2.5~2.25	SK1602AA	3.175	3.175~2.7	SK2002AA	4	4~3.5	SK2502AA	8	8~7.5
SK1003AA	3	3~2.75	SK1603AA	3.5	3.5~3	SK2003AA	6	6~5.5	SK2503AA	10	10~9.5
SK1004AA	3.175	3.175~2.7	SK1604AA	4	4~3.5	SK2004AA	8	8~7.5	SK2504AA	12	12~11.5
SK1005AA	3.5	3.5~3	SK1605AA	4.5	4.5~4	SK2005AA	10	10~9.5	SK2505AA	14	14~13.5
SK1006AA	4	4~3.5	SK1606AA	5	5~4.5	SK2006AA	12	12~11.5	SK2506AA	16	16~15.5
SK1007AA	4.5	4.5~4	SK1607AA	5.5	5.5~5	SK2007AA	16	16~15.5	SK2507AA	18	18~17.5
SK1008AA	5	5~4.5	SK1608AA	6	6~5.5	SK2008AA	20	20~19.5	SK2508AA	20	20~19.5
SK1009AA	5.5	5.5~5	SK1609AA	6.5	6.5~6				SK2509AA	22	22~21.5
SK1010AA	6	6~5.5	SK1610AA	7	7~6.5				SK2510AA	24	24~23.5
SK1011AA	6.5	6.5~6	SK1611AA	7.5	7.5~7				SK2511AA	25	25~24.5
SK1012AA	7	7~6.5	SK1612AA	8	8~7.5				SK2512AA	25.4	25.4~25
SK1013AA	7.5	7.5~7	SK1613AA	8.5	8.5~8						
SK1014AA	8	8~7.5	SK1614AA	9	9~8.5						
SK1015AA	8.5	8.5~8	SK1615AA	9.5	9.5~9						
SK1016AA	9	9~8.5	SK1616AA	10	10~9.5						
SK1017AA	9.5	9.5~9	SK1617AA	10.5	10.5~10						
SK1018AA	10	10~9.5	SK1618AA	11	11~10.5						
			SK1619AA	11.5	11.5~11						
			SK1620AA	12	12~11.5						
			SK1621AA	12.5	12.5~12						
			SK1622AA	13	13~12.5						
			SK1623AA	13.5	13.5~13						
			SK1624AA	14	14~13.5						
			SK1625AA	14.5	14.5~14						
			SK1626AA	15	15~14.5						
			SK1627AA	15.5	15.5~15						
			SK1628AA	16	16~15.5						

SK NUT / WRENCH SK 螺帽 / 扳手

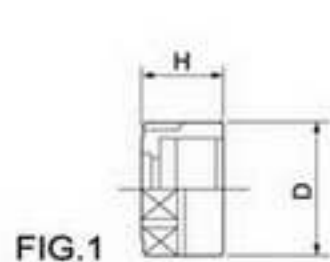


FIG.1

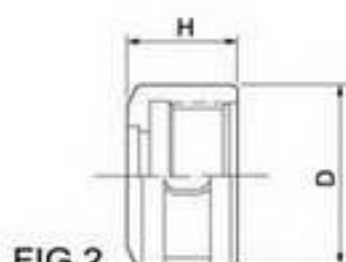


FIG.2



Model No.	Type	ØD	H (mm)	Fig	Weight (kgs)
SN1001	SK10	28	17	1	0.05
SN1601	SK16	40	24	2	0.08
SN2001	SK20	50	25	2	0.10
SN2501	SK25	55	30	2	0.12

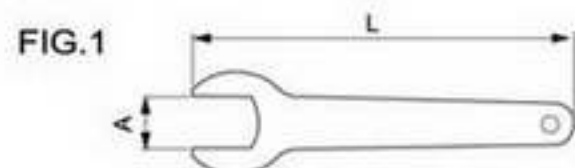


FIG.1

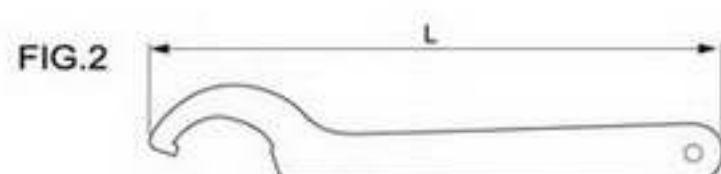
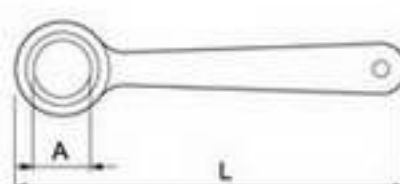
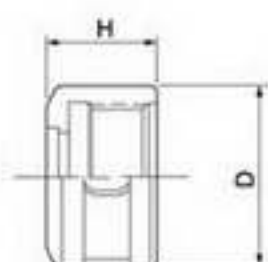


FIG.2



Model No.	Type	A (mm)	L (mm)	Fig	Weight (kgs)
SW1001	SK10	25	140	1	0.08
SW1601	SK16	-	195	2	0.20
SW2001	SK20	-	228	2	0.22
SW2501	SK25	-	228	2	0.22

SK NUT / WRENCH 單向軸承螺帽/扳手

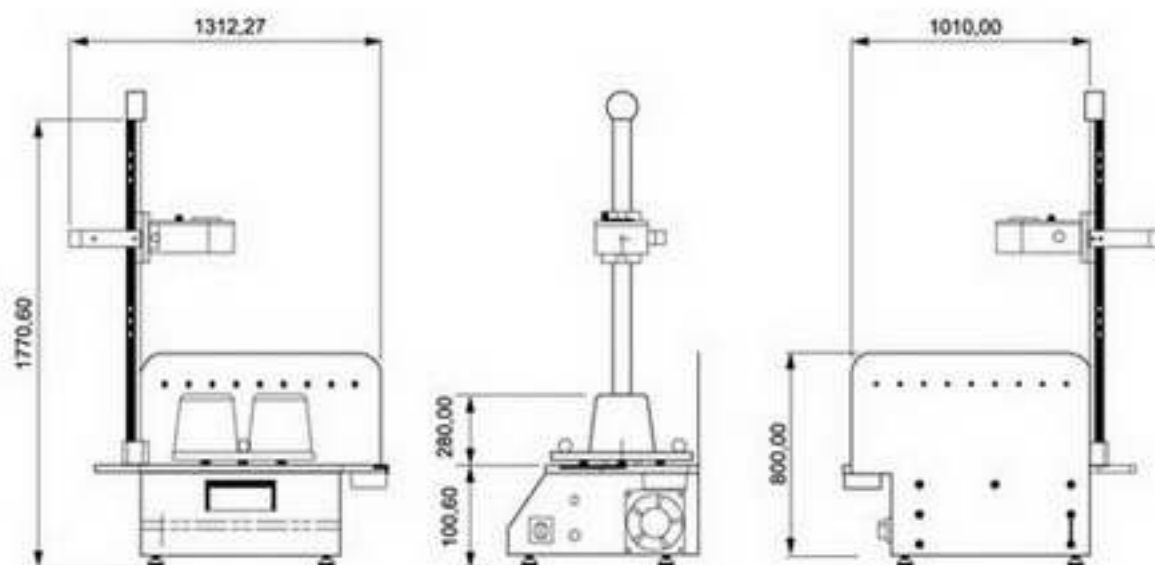


Model No.	Type	ØD(mm)	H (mm)	Weight (kgs)	Model No.	Type	A (mm)	L (mm)	Weight (kgs)
SN10G	SK10	30	18	0.06	SW10G	SK10	30	180	0.32
SN16G	SK16	40	25	0.11	SW16G	SK16	40	190	0.40



INDUCTIVE SHRINK MACHINE 高周波燒結機

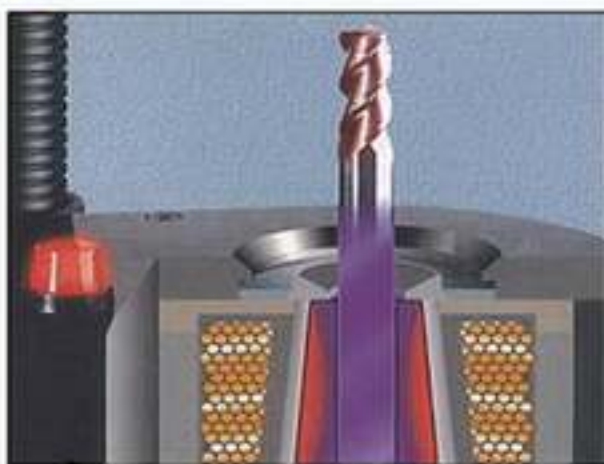
刀桿系統



- Model No.: IH4KWA001
- Equipment: Inductive shrink with Air cooled machine.
- Suitable tool diameter: Ø3~20mm
- 產品編號：IH4KWA001
- 配備說明：燒結氣冷雙機一體
- 適用尺寸：Ø3~20mm

適用尺寸
Ø3~20mm

高周波燒結機特點 Feature.



加熱加緊時間：4~8秒
Heating time: 4~8 seconds.

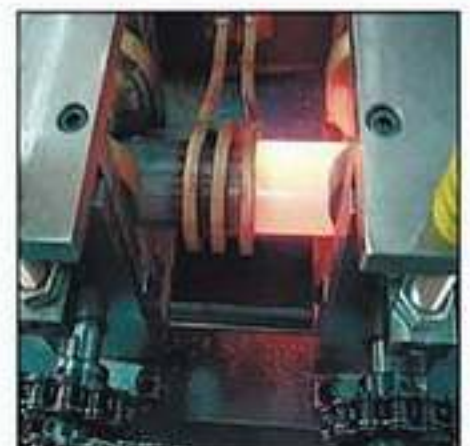


刀把長度無限制
Unlimited for tool length.



氣冷裝置為標準配備
Standard accessories for the
Air-cooled device.

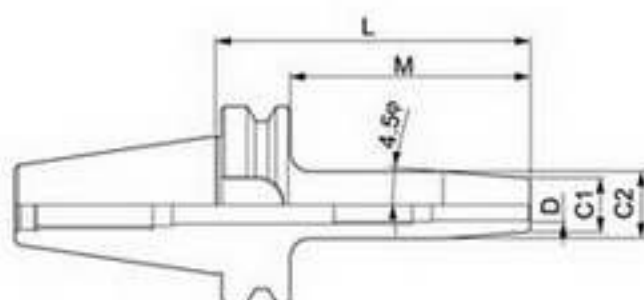
德國高周波原廠技術 Technical information of Germany.





BT HEAT SHRINK ARBOR / ISK

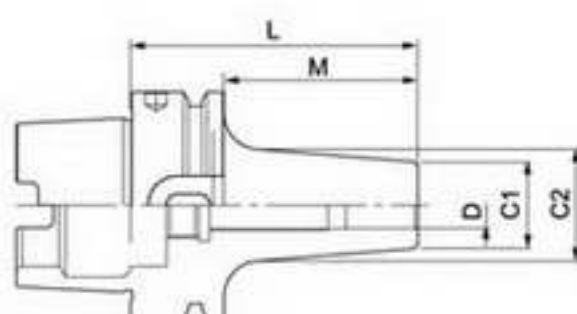
BT 燒結式刀柄



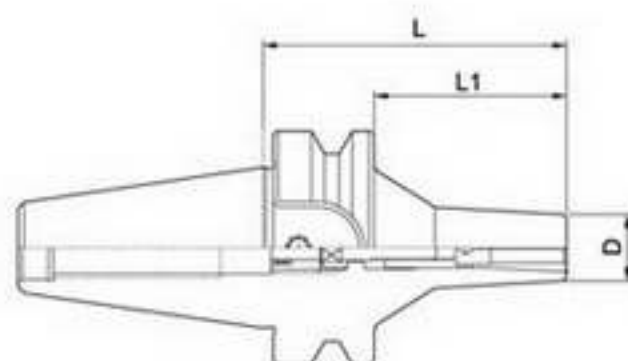
Model No.	C1 (mm)	ØD (mm)	C2 (mm)	L1 (mm)	M (mm)	Weight (kgs)
BT40-ISK03-90S	10	3	-	90	63	1
BT40-ISK04-90S	10	4	-	90	63	1
BT40-ISK05-90S	10	5	-	90	63	1
BT40-ISK06-90S	21	6	27	90	63	1.1
BT40-ISK06-130S	21	6	27	130	103	1.5
BT40-ISK06-160S	21	6	27	160	133	1.5
BT40-ISK06-200S	21	6	27	200	173	2
BT40-ISK08-90S	21	8	27	90	63	1.15
BT40-ISK08-130S	21	8	27	130	103	1.5
BT40-ISK08-160S	21	8	27	160	133	1.6
BT40-ISK08-200S	21	8	27	200	173	2.2
BT40-ISK10-90S	24	10	32	90	63	1.2
BT40-ISK10-130S	24	10	32	130	103	1.6
BT40-ISK10-160S	24	10	32	160	133	1.6
BT40-ISK10-200S	24	10	32	200	173	2.3
BT40-ISK12-90S	24	12	32	90	63	1.2
BT40-ISK12-130S	24	12	32	130	103	1.7
BT40-ISK12-160S	24	12	32	160	133	1.6
BT40-ISK12-200S	24	12	32	200	173	2.3
BT40-ISK14-90S	27	14	34	90	63	1.25
BT40-ISK14-130S	27	14	34	130	103	1.7
BT40-ISK14-160S	27	14	34	160	133	1.85
BT40-ISK14-200S	27	14	34	200	173	2.4
BT40-ISK16-90S	27	16	34	90	63	1.25
BT40-ISK16-130S	27	16	34	130	103	1.8
BT40-ISK16-160S	27	16	34	160	133	1.8
BT40-ISK16-200S	27	16	34	200	173	2.4
BT40-ISK18-90S	33	18	42	90	63	1.3
BT40-ISK18-130S	33	18	42	130	103	1.8
BT40-ISK18-160S	33	18	42	160	133	2.05
BT40-ISK18-200S	33	18	42	200	173	2.5
BT40-ISK20-90S	33	20	42	90	63	1.5
BT40-ISK20-130S	33	20	42	130	103	1.9
BT40-ISK20-160S	33	20	42	160	133	2.05
BT40-ISK20-200S	33	20	42	200	173	2.6
BT40-ISK25-100S	44	25	53	100	73	1.8
BT40-ISK25-130S	44	25	53	130	103	2
BT40-ISK25-160S	44	25	53	160	133	2.85
BT40-ISK25-200S	44	25	53	200	173	3
BT40-ISK32-100S	44	32	53	100	73	2.0
BT40-ISK32-130S	44	32	53	130	103	2.2
BT40-ISK32-160S	44	32	53	160	133	2.2
BT40-ISK32-200S	44	32	53	200	173	3.5

Model No.	C1 (mm)	ØD (mm)	C2 (mm)	L1 (mm)	M (mm)	Weight (kgs)
BT50-ISK06-100S	21	6	27	100	62	2.5
BT50-ISK06-130S	21	6	27	130	92	2.8
BT50-ISK06-160S	21	6	27	160	122	3.2
BT50-ISK06-200S	21	6	27	200	162	3.7
BT50-ISK08-100S	21	8	27	100	62	2.5
BT50-ISK08-130S	21	8	27	130	92	2.8
BT50-ISK08-160S	21	8	27	160	122	3.2
BT50-ISK08-200S	21	8	27	200	162	3.7
BT50-ISK10-100S	24	10	32	100	62	2.7
BT50-ISK10-130S	24	10	32	130	92	2.9
BT50-ISK10-160S	24	10	32	160	122	3.3
BT50-ISK10-200S	24	10	32	200	162	3.7
BT50-ISK12-100S	24	12	32	100	62	2.7
BT50-ISK12-130S	24	12	32	130	92	3
BT50-ISK12-160S	24	12	32	160	122	3.4
BT50-ISK12-200S	24	12	32	200	162	3.7
BT50-ISK14-100S	27	14	34	100	62	2.9
BT50-ISK14-130S	27	14	34	130	92	3.1
BT50-ISK14-160S	27	14	34	160	122	3.4
BT50-ISK14-200S	27	14	34	200	162	3.7
BT50-ISK16-100S	27	16	34	100	62	2.9
BT50-ISK16-130S	27	16	34	130	92	3.1
BT50-ISK16-160S	27	16	34	160	122	3.5
BT50-ISK16-200S	27	16	34	200	162	3.7
BT50-ISK18-100S	33	18	42	100	62	3
BT50-ISK18-130S	33	18	42	130	92	3.2
BT50-ISK18-160S	33	18	42	160	122	3.6
BT50-ISK18-200S	33	18	42	200	162	3.7
BT50-ISK20-100S	33	20	42	100	62	3.1
BT50-ISK20-130S	33	20	42	130	92	3.3
BT50-ISK20-160S	33	20	42	160	122	3.6
BT50-ISK20-200S	33	20	42	200	162	3.7
BT50-ISK25-100S	44	25	53	100	62	3.5
BT50-ISK25-130S	44	25	53	130	92	3.7
BT50-ISK25-160S	44	25	53	160	122	4
BT50-ISK25-200S	44	25	53	200	162	3.7
BT50-ISK32-100S	44	32	53	100	62	3.9
BT50-ISK32-130S	44	32	53	130	92	4.1
BT50-ISK32-160S	44	32	53	160	122	4.4
BT50-ISK32-200S	44	32	53	200	162	3.7
BT50-ISK40-120S	78	40	90	120	82	3.9
BT50-ISK50-120S	78	50	90	120	82	3.4

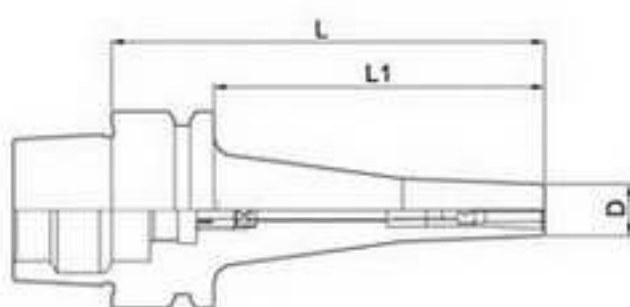
HSK HEAT SHRINK ARBOR / ISK
HSK 燒結式刀柄



Model No.	ØD (mm)	C1 (mm)	C2 (mm)	L (mm)	Weight (kgs)	Model No.	ØD (mm)	C1 (mm)	C2 (mm)	L (mm)	Weight (kgs)
HSK50-ISK03-60S	3	10	-	60	0.7	HSK63-ISK03-80S	3	10	-	80	1
HSK50-ISK04-60S	4	10	-	60	0.7	HSK63-ISK04-80S	4	10	-	80	1
HSK50-ISK05-60S	5	10	-	60	0.7	HSK63-ISK05-80S	5	10	-	80	1
HSK50-ISK06-80S	6	21	27	80	0.7	HSK63-ISK06-80S	6	21	27	80	1
HSK50-ISK06-130S	6	21	27	130	0.8	HSK63-ISK06-130S	6	21	27	130	1.05
HSK50-ISK06-160S	6	21	27	160	1	HSK63-ISK06-160S	6	21	27	160	1.3
HSK50-ISK08-80S	8	21	27	80	0.75	HSK63-ISK08-80S	8	21	27	80	1
HSK50-ISK08-130S	8	21	27	130	0.8	HSK63-ISK08-130S	8	21	27	130	1.05
HSK50-ISK08-160S	8	21	27	160	1	HSK63-ISK08-160S	8	21	27	160	1.4
HSK50-ISK10-85S	10	24	32	85	0.8	HSK63-ISK10-85S	10	24	32	85	1
HSK50-ISK10-130S	10	24	32	130	0.9	HSK63-ISK10-130S	10	24	32	130	1.2
HSK50-ISK10-160S	10	24	32	160	1.1	HSK63-ISK10-160S	10	24	32	160	1.5
HSK50-ISK12-90S	12	24	32	90	0.8	HSK63-ISK12-90S	12	24	32	90	1
HSK50-ISK12-130S	12	24	32	130	0.9	HSK63-ISK12-130S	12	24	32	130	1.15
HSK50-ISK12-160S	12	24	32	160	1.1	HSK63-ISK12-160S	12	24	32	160	1.5
HSK50-ISK14-90S	14	27	34	90	0.9	HSK63-ISK14-90S	14	27	34	90	1
HSK50-ISK14-130S	14	27	34	130	1	HSK63-ISK14-130S	14	27	34	130	1.25
HSK50-ISK14-160S	14	27	34	160	1.2	HSK63-ISK14-160S	14	27	34	160	1.6
HSK50-ISK16-95S	16	27	34	65	0.9	HSK63-ISK16-95S	16	27	34	95	1
HSK50-ISK16-130S	16	27	34	130	1.1	HSK63-ISK16-130S	16	27	34	130	1.2
HSK50-ISK16-160S	16	27	34	160	1.2	HSK63-ISK16-160S	16	27	34	160	1.7
						HSK63-ISK18-95S	18	33	42	95	1.1
						HSK63-ISK18-130S	18	33	42	130	1.5
						HSK63-ISK18-160S	18	33	42	160	1.8
						HSK63-ISK20-100S	20	33	42	100	1.15
						HSK63-ISK20-130S	20	33	42	130	1.45
						HSK63-ISK20-160S	20	33	42	160	1.8
						HSK63-ISK25-115S	25	44	53	115	1.3
						HSK63-ISK25-130S	25	44	53	130	2
						HSK63-ISK25-160S	25	44	53	160	1.9
						HSK63-ISK32-120S	32	44	53	120	1.6
						HSK63-ISK32-160S	32	44	53	160	1.9

**BT HIGH SPEED COLLET CHUCK - BACK PULL****BT 後拉式高速筒夾刀柄**

Model No.	D (mm)	L (mm)	L1 (mm)
BT30-IDS06-60	13	60	38
BT30-IDS06-90	13	90	68
BT30-IDS08-55	16	55	33
BT30-IDS08-75	16	75	53
BT30-IDS12-80	23	80	58
BT30-IDS12-110	23	110	88
BT40-IDS06-60	13	60	33
BT40-IDS06-90	13	90	63
BT40-IDS06-100	13	100	73
BT40-IDS06-150	13	150	123
BT40-IDS08-60	16	65	38
BT40-IDS08-85	16	85	58
BT40-IDS08-105	16	105	78
BT40-IDS12-90	23	90	63
BT40-IDS12-135	23	135	108
BT50-IDS08-95	16	95	57
BT50-IDS08-110	16	110	72
BT50-IDS12-100	23	100	62
BT50-IDS12-150	23	150	112

**HSK HIGH SPEED COLLET CHUCK - BACK PULL****HSK 後拉式高速筒夾刀柄****IDS COLLET****後拉式筒夾**

Model No.	D (mm)	L (mm)	L1 (mm)	Model No.	A GRADE	d (mm)	External Diameter (mm)
HSK40E-IDS06-75	13	75	55	IDS06-AA	IDS06-A	2~6	9.5
HSK50E-IDS06-80	13	80	60	IDS08-AA	IDS08-A	3~8	12
HSK63E-IDS06-80	13	80	60	IDS12-AA	IDS12-A	3~12	22
HSK63E-IDS06-110	13	110	90				

BT SIDE LOCK MILLING ARBOR / SLA
BT 側固式立銑刀柄

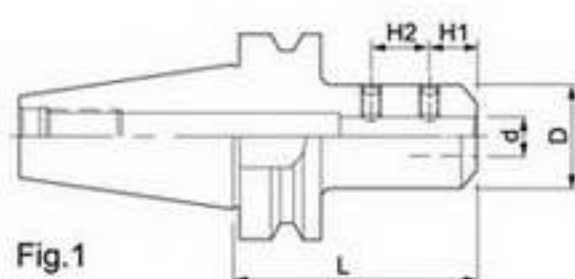


Fig.1

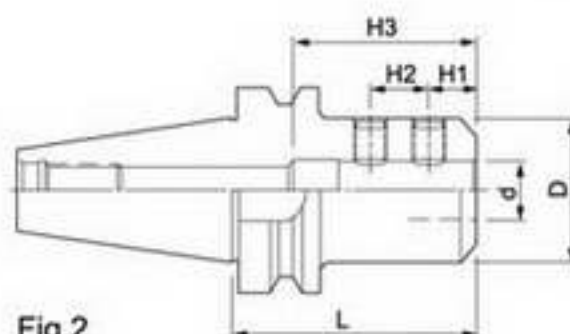


Fig.2



Model No.	Fig	Ød (mm)	ØD (mm)	ØD1 (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	G	Weight (kgs)
BT30-SLA6-60	1	6	25	-	60	9	10	-	M6	0.6
BT30-SLA8-60	1	8	30	-	60	12	12	-	M8	0.6
BT30-SLA10-60	3	10	34	-	60	15	12	40	M8	0.7
BT30-SLA12-60	3	12	38	-	60	18	16	46	M10	0.7
BT30-SLA16-70	3	16	45	-	70	20	18	50	M10	0.8
BT30-SLA20-75	3	20	45	-	75	25	20	60	M12	0.8
BT30-SLA25-75	3	25	48	-	75	24	25	66	M12	-
BT40-SLA6-75	1	6	25	-	75	9	10	-	M6	1.1
BT40-SLA6-105	2	6	20	25	105	9	10	-	M6	-
BT40-SLA6-120	2	6	20	25	120	9	10	-	M6	-
BT40-SLA6-150	2	6	20	30	150	9	10	-	M6	-
BT40-SLA8-75	1	8	30	-	75	12	12	-	M8	1.2
BT40-SLA8-105	2	8	25	30	105	12	12	-	M8	-
BT40-SLA8-120	2	8	25	30	120	12	12	-	M8	-
BT40-SLA8-150	2	8	25	32	150	12	12	-	M8	-
BT40-SLA10-75	1	10	34	-	75	15	12	-	M8	1.3
BT40-SLA10-105	2	10	28	32	105	12	12	-	M8	-
BT40-SLA10-120	2	10	28	32	120	15	12	-	M8	-
BT40-SLA10-150	2	10	28	35	150	15	12	-	M8	-
BT40-SLA12-75	1	12	38	-	75	18	16	-	M10	1.4
BT40-SLA12-105	2	12	35	38	105	18	16	-	M10	-
BT40-SLA12-120	2	12	35	40	120	18	16	-	M10	-
BT40-SLA12-150	2	12	35	40	150	18	16	-	M10	-
BT40-SLA16-75	3	16	45	-	75	20	18	50	M10	1.5
BT40-SLA16-120	4	16	40	45	120	20	18	50	M10	-
BT40-SLA16-150	4	16	40	45	150	20	18	50	M10	-
BT40-SLA20-90	3	20	50	-	90	25	20	60	M12	1.8
BT40-SLA20-120	4	20	47	52	120	25	20	60	M12	2.3
BT40-SLA20-150	4	20	47	52	150	25	20	60	M12	-
BT40-SLA25-90	3	25	57	-	90	24	25	66	M16	2.1
BT40-SLA25-120	4	25	55	60	120	24	25	66	M16	2.5
BT40-SLA25-150	4	25	55	60	150	24	25	66	M16	-
BT40-SLA32-90	3	32	60	-	90	24	28	70	M16	2
BT40-SLA32-120	3	32	60	-	120	24	28	70	M16	2.5
BT40-SLA32-150	3	32	60	-	150	24	28	70	M16	3
BT40-SLA40-105	3	40	72	-	105	24	28	78	M16	2.9
BT40-SLA42-105	3	42	72	-	105	24	28	78	M16	-

(G為側固螺絲規格) (G: Specification for the side set screw)

BT SIDE LOCK MILLING ARBOR / SLA BT 側固式立銑刀柄

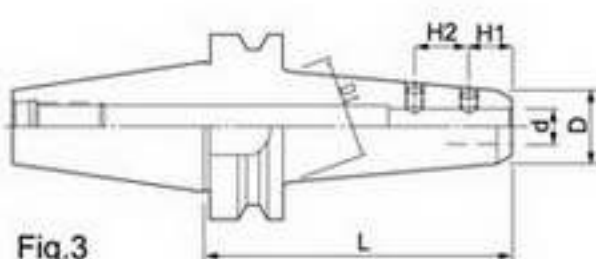


Fig.3

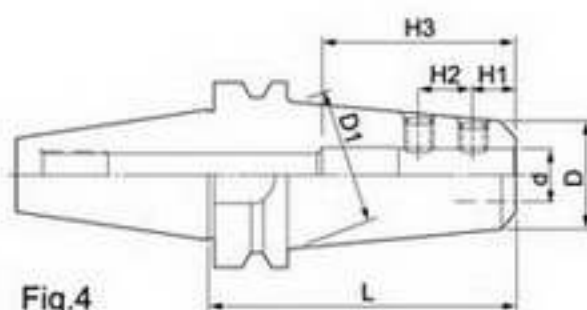


Fig.4



Model No.	Fig	Ød (mm)	ØD (mm)	ØD1 (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	G	Weight (kgs)
BT50-SLA8-105	1	8	28	-	105	12	12	-	M8	3.7
BT50-SLA8-150	2	8	25	30	150	12	12	-	M8	4.15
BT50-SLA8-200	2	8	25	35	200	12	12	-	M8	-
BT50-SLA10-105	1	10	34	-	105	15	12	-	M8	3.9
BT50-SLA10-150	2	10	30	35	150	15	12	-	M8	4.3
BT50-SLA10-200	2	10	30	40	200	15	12	-	M8	-
BT50-SLA12-105	1	12	40	-	105	18	16	-	M10	3.9
BT50-SLA12-150	2	12	35	40	150	18	16	-	M10	4.6
BT50-SLA12-200	2	12	35	45	200	18	16	-	M10	-
BT50-SLA16-105	1	16	45	-	105	20	18	-	M10	4.1
BT50-SLA16-150	2	16	40	45	150	20	18	-	M10	5
BT50-SLA16-200	2	16	40	50	200	20	18	-	M10	-
BT50-SLA16-250	2	16	40	50	250	20	18	-	M10	-
BT50-SLA20-105	2	20	50	-	105	25	20	60	M12	4.8
BT50-SLA20-150	3	20	45	50	150	25	20	80	M12	5.2
BT50-SLA20-200	3	20	45	55	200	25	20	80	M12	6.1
BT50-SLA20-250	3	20	45	55	250	25	20	80	M12	7.1
BT50-SLA20-300	3	20	45	55	300	25	20	80	M12	-
BT50-SLA25-105	2	25	60	-	105	24	24	66	M16	5
BT50-SLA25-150	3	25	55	60	150	24	24	80	M16	6.1
BT50-SLA25-200	3	25	55	65	200	24	24	80	M16	7.3
BT50-SLA25-250	3	25	55	65	250	24	24	80	M16	9
BT50-SLA25-300	3	25	55	65	300	24	24	80	M16	-
BT50-SLA32-105	2	32	62	-	105	24	28	75	M16	5.1
BT50-SLA32-150	2	32	62	-	150	24	28	100	M16	6.5
BT50-SLA32-200	3	32	60	65	200	24	28	100	M16	8.1
BT50-SLA32-250	3	32	60	65	250	24	28	100	M16	9.8
BT50-SLA32-300	3	32	60	65	300	24	28	100	M16	-
BT50-SLA40-120	2	40	80	-	120	30	32	90	M20	6.5
BT50-SLA40-150	2	40	80	-	150	30	32	90	M20	-
BT50-SLA40-200	2	40	80	-	200	30	32	90	M20	-
BT50-SLA42-120	2	42	85	-	120	30	32	80	M20	6.5
BT50-SLA42-150	2	42	85	-	150	30	32	100	M20	-
BT50-SLA42-200	2	42	85	-	200	30	32	100	M20	-
BT50-SLA50.8-120	2	50.8	95	-	120	30	32	90	M20	-
BT50-SLA50.8-160	2	50.8	95	-	160	30	32	90	M20	-

 SK SIDE LOCK MILLING ARBOR / SLA
SK 側固式立銑刀柄

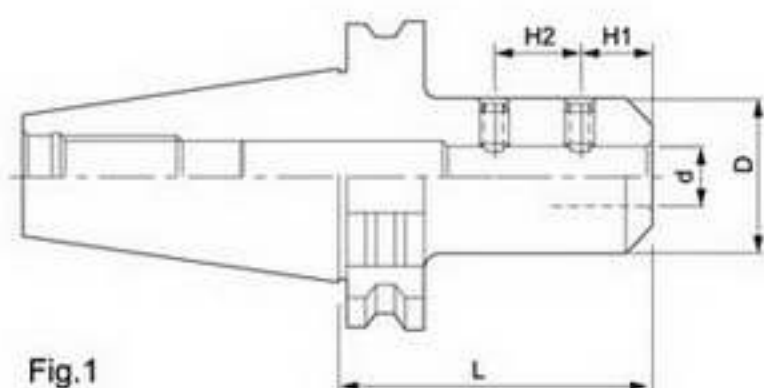


Fig.1

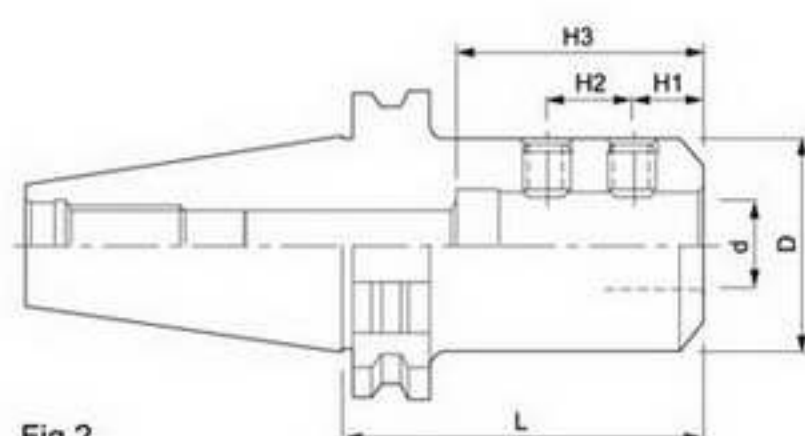


Fig.2



Model No.	Fig	Ød (mm)	ØD (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	G	Weight (kgs)
SK40-SLA6-60	1	6	25	60	9	10	-	M6	0.9
SK40-SLA8-60	1	8	30	60	12	12	-	M8	1
SK40-SLA10-60	1	10	34	60	15	12	-	M8	1.1
SK40-SLA12-63	1	12	38	63	18	16	-	M10	1.15
SK40-SLA16-63	2	16	45	63	20	18	50	M10	1.35
SK40-SLA20-63	2	20	50	63	25	20	60	M12	1.4
SK40-SLA25-100	2	25	57	100	24	25	66	M16	2.2
SK40-SLA32-100	2	32	60	100	24	28	70	M16	2.6
SK50-SLA10-75	1	10	34	75	15	12	-	M8	3.3
SK50-SLA12-75	1	12	40	75	18	16	-	M10	3.5
SK50-SLA16-75	1	16	45	75	20	18	-	M10	3.5
SK50-SLA20-75	2	20	50	75	25	20	60	M12	3.6
SK50-SLA25-80	2	25	60	80	24	24	66	M16	4.3
SK50-SLA32-100	2	32	62	100	24	28	75	M16	5.1
SK50-SLA40-100	2	40	80	100	30	32	90	M20	5.8

NT SIDE LOCK MILLING ARBOR / SLA NT 側固式立銑刀柄

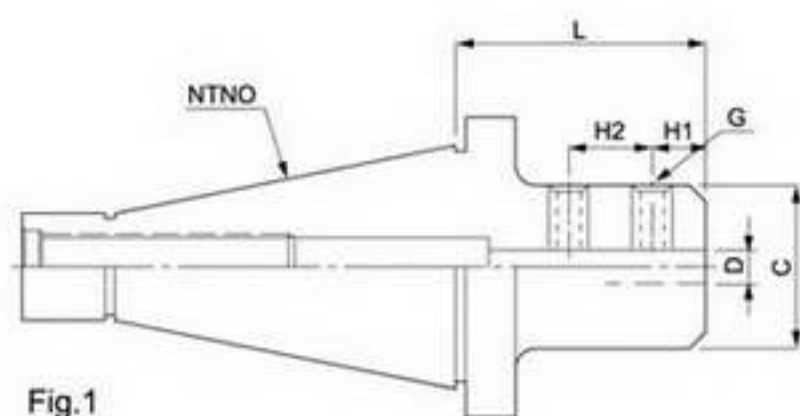


Fig.1

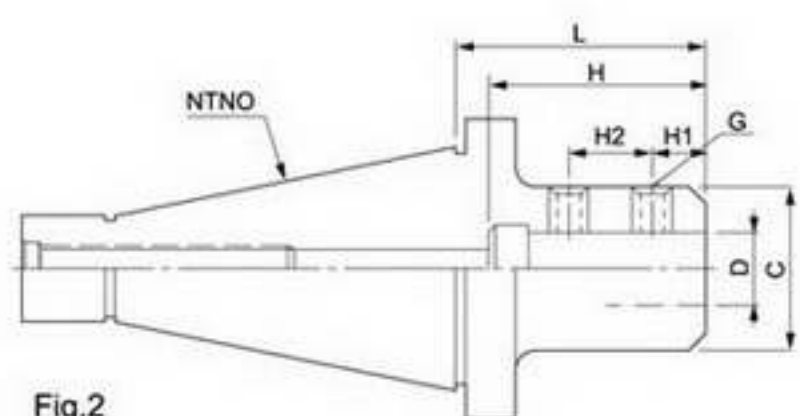


Fig.2



Model No.	Fig	ØD (mm)	ØC (mm)	H (mm)	L (mm)	H1 (mm)	H2 (mm)	G	Weight (kgs)
NT30-SLA6-55	1	6	25	25	55	9	10	M6	0.5
NT30-SLA8-60	1	8	30	30	60	12	12	M8	0.5
NT30-SLA10-60	1	10	35	35	60	15	12	M8	0.5
NT30-SLA12-55	2	12	40	45	55	20	16	M10	0.6
NT30-SLA16-60	2	16	45	50	60	22	8	M10	0.7
NT30-SLA20-65	2	20	50	60	65	25	20	M12	0.8
NT30-SLA25-75	2	25	50	65	75	25	22	M12	1.0
NT40-SLA6-55	1	6	25	25	55	9	10	M6	1.2
NT40-SLA8-60	1	8	30	30	60	12	12	M8	1.2
NT40-SLA10-60	1	10	35	35	60	15	12	M8	1.2
NT40-SLA12-75	1	12	40	45	75	20	16	M10	1.2
NT40-SLA16-75	2	16	45	50	75	22	18	M10	1.3
NT40-SLA20-75	2	20	50	60	75	25	20	M12	1.3
NT40-SLA25-75	2	25	63	65	75	24	25	M16	1.5
NT40-SLA32-90	2	32	63	70	90	-	28	M16	1.7
NT40-SLA42-105	2	42	80	80	105	30	32	M16	2.2
NT50-SLA8-75	1	8	30	30	75	12	12	M8	3
NT50-SLA10-75	1	10	35	35	75	15	12	M8	3
NT50-SLA12-80	1	12	40	40	80	20	16	M10	3
NT50-SLA16-80	1	16	45	50	80	22	18	M10	3.1
NT50-SLA20-80	2	20	50	60	80	22	20	M12	3.2
NT50-SLA25-80	2	25	60	65	80	24	25	M16	3.3
NT50-SLA32-90	2	32	60	75	90	24	28	M20	3.5
NT50-SLA42-105	2	42	80	80	105	30	32	M20	4
NT50-SLA50.8-105	2	50.8	95	90	105	30	35	M20	5

 BT MORSE TAPER ARBOR / MTA
BT 斜柄鑽頭套筒刀柄

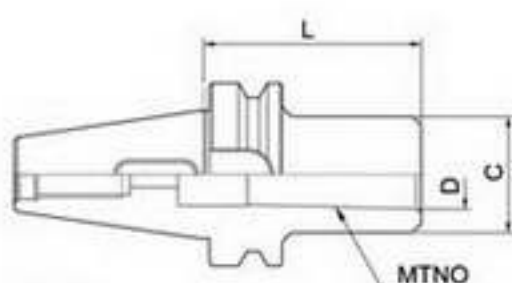


Fig.1

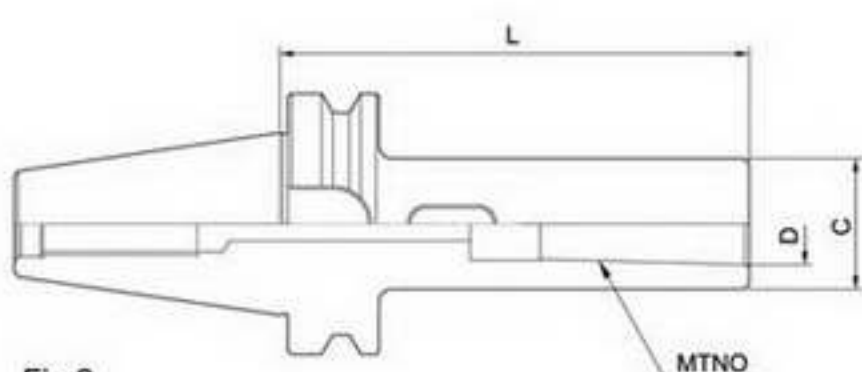


Fig.2



Model No.	Fig	C/Capacity	D (mm)	L (mm)	C (mm)	Weight (kgs)
BT30-MTA1-48	1	2.0~14.0	12.065	48	25	0.55
BT30-MTA1-105	2	2.0~14.0	12.065	105	25	1.25
BT30-MTA2-60	1	14.1~23.0	17.780	60	32	0.9
BT30-MTA2-120	2	14.1~23.0	17.780	120	32	1.45
BT30-MTA3-75	1	23.1~32.0	23.825	75	40	0.9
BT30-MTA3-135	2	23.1~32.0	23.825	135	40	1.55
BT40-MTA1-45	1	2.0~14.0	12.065	45	25	1.2
BT40-MTA1-120	2	2.0~14.0	12.065	120	25	2.2
BT40-MTA2-45	1	14.1~23.0	17.780	45	32	1.6
BT40-MTA2-120	2	14.1~23.0	17.780	120	32	2.2
BT40-MTA3-75	1	23.1~32.0	23.825	75	40	1.8
BT40-MTA3-135	2	23.1~32.0	23.825	135	40	2.2
BT40-MTA4-90	1	32.1~50.0	31.267	90	50	2.4
BT40-MTA4-160	2	32.1~50.0	31.267	160	50	2.8
BT50-MTA1-45	1	2.0~14.0	12.065	45	25	4.1
BT50-MTA1-120	2	2.0~14.0	12.065	120	25	4.3
BT50-MTA1-180	2	2.0~14.0	12.065	180	25	4.5
BT50-MTA2-45	1	14.1~23.0	17.780	45	32	4.3
BT50-MTA2-135	2	14.1~23.0	17.780	135	32	4.5
BT50-MTA2-180	2	14.1~23.0	17.780	180	32	4.8
BT50-MTA3-60	1	23.1~32.0	23.825	60	40	4.0
BT50-MTA3-150	2	23.1~32.0	23.825	150	40	4.9
BT50-MTA3-180	2	23.1~32.0	23.825	180	40	5.2
BT50-MTA4-75	1	32.1~50.0	31.267	75	50	4.8
BT50-MTA4-180	2	32.1~50.0	31.267	180	50	5.5
BT50-MTA5-105	1	50.0~70.0	44.399	105	65	5.2
BT50-MTA5-210	2	50.0~70.0	44.399	210	65	6.5

BT MORSE TAPER ARBOR / MTB BT 斜柄鑽頭套筒刀柄

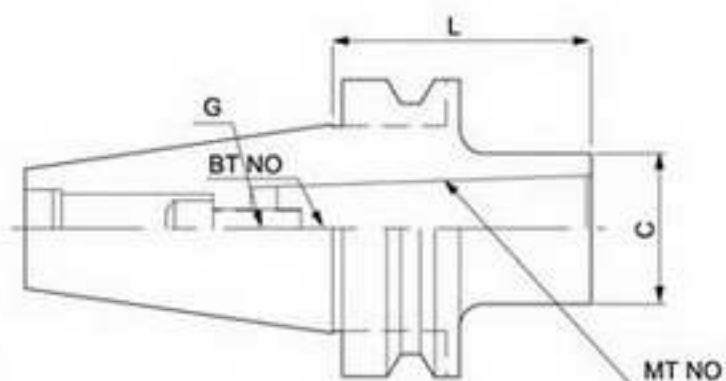


Fig.1

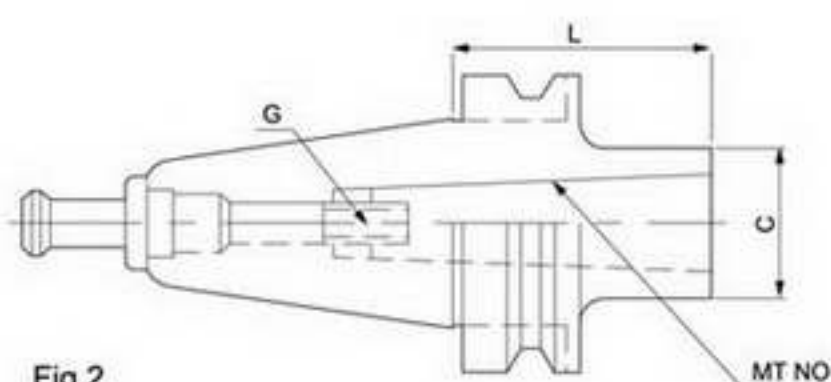


Fig.2



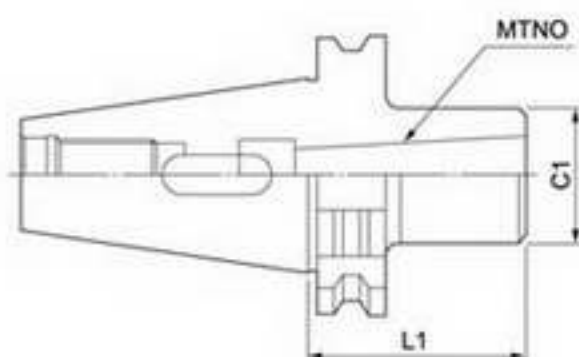
TOOLING SYSTEM

Model No.	Fig	L (mm)	C (mm)	G	MT No.	Weight (kgs)
BT30-MTB1-45	1	45	25	M6	1	0.6
BT30-MTB2-60	1	60	32	M10	2	0.9
BT40-MTB1-45	1	45	25	M6	1	1.2
BT40-MTB2-45	1	45	32	M10	2	1.3
BT40-MTB3-75	1	75	40	M12	3	1.9
BT40-MTB4-90	2	90	50	M16	4	2.5
BT50-MTB1-45	1	45	25	M6	1	4.1
BT50-MTB2-45	1	45	32	M10	2	4.3
BT50-MTB3-60	1	60	40	M12	3	4.3
BT50-MTB4-75	1	75	50	M16	4	4.6
BT50-MTB5-105	2	105	70	M20	5	6.5



SK MORSE TAPER ARBOR / MTA

SK 斜柄鑽頭套筒刀柄

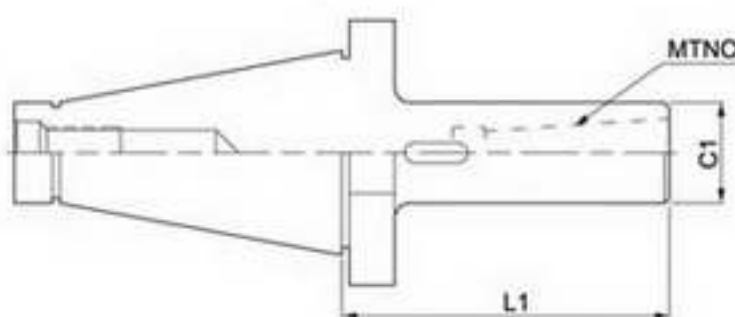
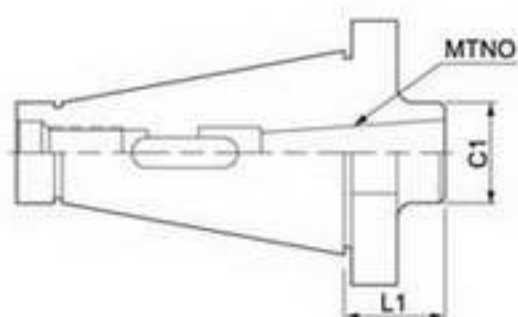


Model No.	MT No.	C1 (mm)	L1 (mm)	Weight (kgs)
SK40-MTA1-45	MT1	25	45	1.2
SK40-MTA2-50	MT2	32	50	1.1
SK40-MTA3-70	MT3	40	70	1.2
SK40-MTA4-95	MT4	50	95	1.35
SK50-MTA2-60	MT2	32	60	3.1
SK50-MTA3-65	MT3	40	65	3.3
SK50-MTA4-95	MT4	50	95	3.45
SK50-MTA5-105	MT5	65	105	3.7



NT MORSE TAPER ARBOR / MTA

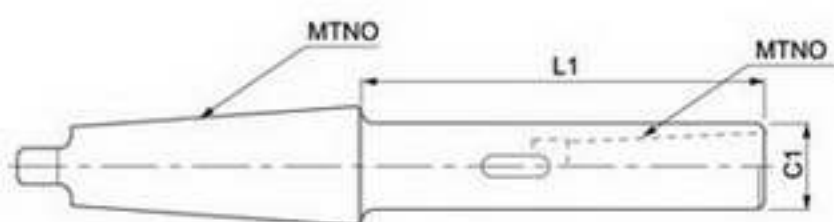
NT 斜柄鑽頭套筒刀柄



Model No.	MT No.	C1 (mm)	L1 (mm)	Weight (kgs)
NT30-MTA1	MTA1	25	25	0.5
NT30-MTA2	MTA2	32	50	0.5
NT30-MTA3	MTA3	35	65	0.6
NT40-MTA1	MTA1	25	30	0.6
NT40-MTA2	MTA2	32	30	0.8
NT40-MTA3	MTA3	40	45	1.2
NT40-MTA4	MTA4	50	90	1.3
NT50-MTA2	MTA2	32	30	2.8
NT50-MTA3	MTA3	40	30	2.8
NT50-MTA3-160	MTA3	40	160	4
NT50-MTA4	MTA4	50	60	3
NT50-MTA4-180	MTA4	50	180	4.2
NT50-MTA5	MTA5	65	105	3.65
NT50-MTA5-200	MTA5	65	200	6

**MORSE EXTENSION TAPER SLEEVE**

莫氏錐度延長套筒



Model No.	MT No.	C1 (mm)	L1 (mm)
MT3 x MT3-150	MT3	32	150
MT3 x MT3-200	MT3	32	200
MT3 x MT3-250	MT3	32	250
MT3 x MT3-300	MT3	32	300
MT4 x MT3-150	MT3	32	150
MT4 x MT3-200	MT3	32	200
MT4 x MT3-250	MT3	32	250
MT4 x MT3-300	MT3	32	300
MT4 x MT4-150	MT4	40	150
MT4 x MT4-200	MT4	40	200
MT4 x MT4-250	MT4	40	250
MT4 x MT4-300	MT4	40	300
MT5 x MT2-200	MT2	25	200
MT5 x MT2-250	MT2	25	250
MT5 x MT2-300	MT2	25	300
MT5 x MT3-200	MT3	36	200
MT5 x MT3-250	MT3	36	250
MT5 x MT3-300	MT3	36	300
MT5 x MT4-200	MT4	45	200
MT5 x MT4-250	MT4	45	250
MT5 x MT4-300	MT4	45	300



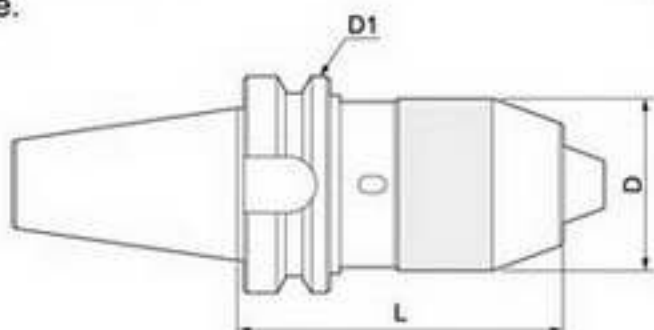
BT CNC DRILL CHUCKS / CHU BT 直結式鑽夾頭

Feature

- 3 times better clamping capacity comparing to keyless drill chuck.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyless drill chuck.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力。
- 鑽頭不會鬆脫或掉落。
- 比普通夾頭多出2倍精準。
- 可替換式的夾頭

Application

- The product can be adapted for the general lathe or the drilling processing whose machines center can supply with NT spindle.
- 適用於傳統銑床或其他提供NT主軸界面之工作母機作鑽孔加工。



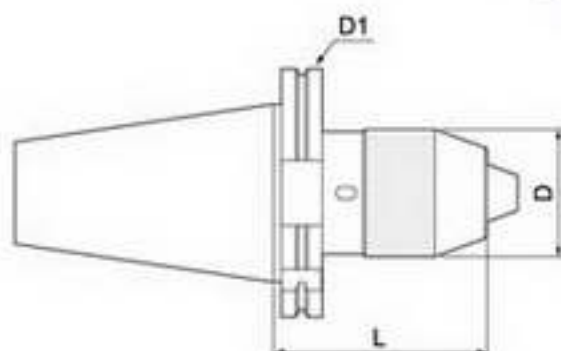
Model No.	L (mm)	ØD (mm)	ØD1 (mm)	Spanner No.	Weight (kgs)
BT30 - CHU 8 - 75	75	37	46	12802	1
BT30 - CHU13 - 90	90	50	46	12806	1.5
BT40 - CHU 8 - 85	85	37	63	12802	2
BT40 - CHU13 - 95	95	50	63	12806	2.5
BT40 - CHU13 - 130	130	50	63	12806	2.6
BT40 - CHU13 - 150	150	50	63	12806	2.7
BT40 - CHU16 - 120	120	57	63	12808	3
BT50 - CHU13 - 110	110	50	100	12806	4.4
BT50 - CHU13 - 150	150	50	100	12806	5.5
BT50 - CHU16 - 110	110	57	100	12808	4.4
BT50 - CHU16 - 130	130	57	100	12808	5.5
BT50 - CHU16 - 145	145	57	100	12808	5.5



SK CNC DRILL CHUCKS / CHU SK 直結式鑽夾頭

Feature

- 3 times better clamping capacity comparing to keyless drill chuck.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyless drill chuck.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力。
- 鑽頭不會鬆脫或掉落。
- 比普通夾頭多出2倍精準。
- 可替換式的夾頭



Model No.	L (mm)	ØD (mm)	ØD1 (mm)	Spanner No.	Weight (mm)
SK30 x CHU8 - 80	80	37	50	12802	-
SK30 x CHU13 - 100	100	50	50	12806	-
SK30 x CHU16 - 125	125	57	50	12808	-
SK40 x CHU8 - 75	75	37	63.55	12802	1.3
SK40 x CHU13 - 100	100	50	63.55	12806	1.7
SK40 x CHU16 - 115	115	57	63.55	12808	2
SK50 x CHU13 - 100	100	50	97.5	12806	4.1
SK50 x CHU16 - 105	105	57	97.5	12808	4.3



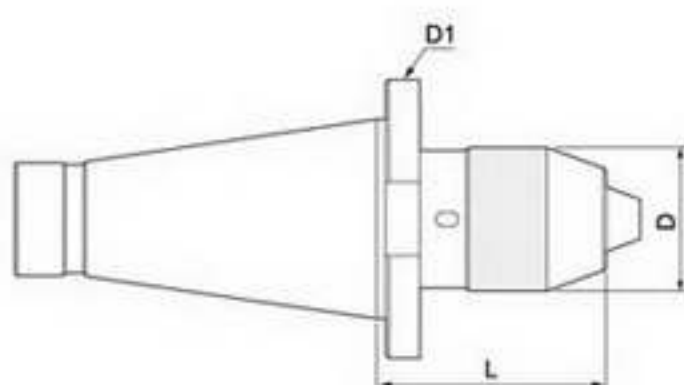
NT (ISO) CNC DRILL CHUCKS / CHU NT (ISO) 直結式鑽夾頭

Feature

- 3 times better clamping capacity comparing to keyless drill chuck.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyless drill chuck.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力。
- 鑽頭不會鬆脫或掉落。
- 比普通夾頭多出2倍精準。
- 可替換式的夾頭

Application

- The product can be adapted for the general lathe or the drilling processing whose machines center can supply with NT spindle.
- 適用於傳統銑床或其他提供NT主軸界面之工作母機作鑽孔加工。



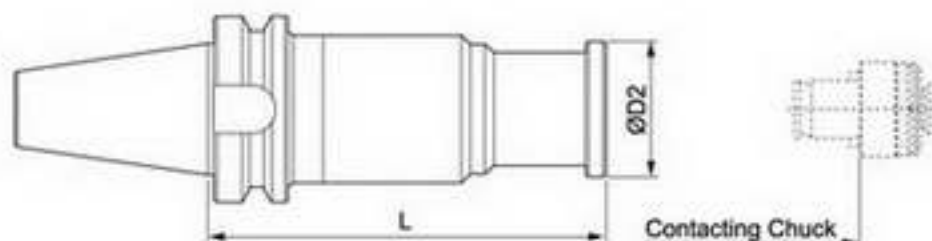
Model No.	Capacity (mm)	L (mm)	夾頭長度 (mm)	ØD1 (mm)	Weight (kgs)
NT30 - APU13	0~13	110	80.5	50.5	1.5
NT40 - APU13	0~13	90	80.5	50.5	1.8
NT40 - APU16	3~16	115	85	57	2.2
NT50 - APU13	0~13	125	80.5	50.5	2.5
NT50 - APU16	3~16	135	85	57	2.8
C20-APU13	0~13	141	81	50	0.99
C25-APU13	0~13	161	81	50	1.13
C32-APU13	0~13	162	81	50	1.37
MT3-APU13	0~13	180	81	50	1.09
MT4-APU13	0~13	200	81	50	1.48
R8-APU13	0~13	182	81	50	1.23



QUICK CHANGE TAPPING CHUCKS / WITH LENGTH COMPENSATION / EXTRA LENGTH 快換式絲攻刀桿 / 伸縮緩衝加長型

Application

- Quick change of tap adapters.
- Length compensation could prevent tap from breaking tapping.
- 快換式絲攻連接桿
- 緩衝可預防在攻牙時斷落



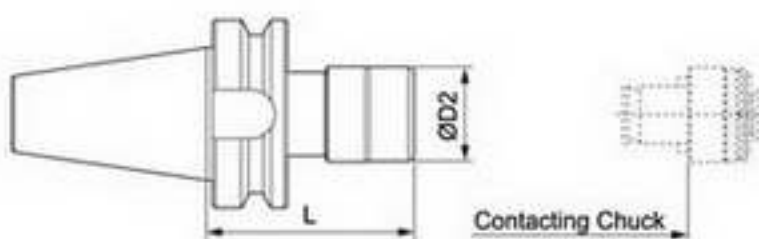
Model No.	Capacity	L (mm)	ØD2 (mm)	Collets
BT40-WFE12-135	M3~M12	135	36	TC312 TC312B
BT40-WFE12-165	M3~M12	165	36	TC312 TC312B
BT50-WFE12-135	M3~M12	135	36	TC312 TC312B
BT50-WFE12-165	M3~M12	165	36	TC312 TC312B
BT50-WFE12-195	M3~M12	195	36	TC312 TC312B



QUICK CHANGE TAPPING CHUCKS / WITH LENGTH COMPENSATION 快換式絲攻刀桿 / 伸縮緩衝型

Application

- Quick change of tap adapters.
- Length compensation could prevent tap from breaking tapping.
- 快換式絲攻連接桿
- 緩衝可預防在攻牙時斷落



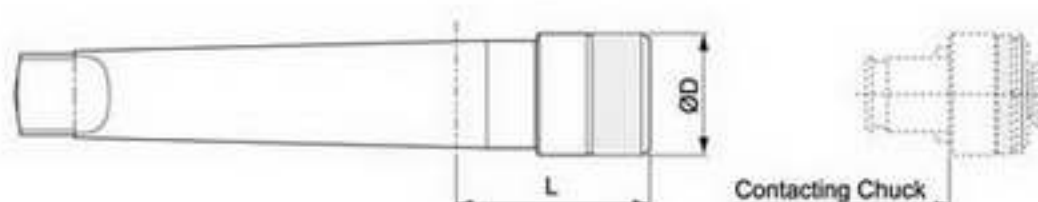
Model No.	Capacity	L (mm)	ØD2 (mm)	Collets	Weight (kgs)
BT30-WF12	M3~M12	70	36	TC312 TC312B	2.5
BT40-WF12	M3~M12	70	36	TC312 TC312B	3.5
BT50-WF12	M3~M12	85	36	TC312 TC312B	4.5
BT30-WF20	M8~M20	95	50	TC820 TC820B	2.5
BT40-WF20	M8~M20	95	50	TC820 TC820B	3.5
BT50-WF20	M8~M20	105	50	TC820 TC820B	4.5
BT40-WF33	M14~M33	160	78	TC1433 TC1433B	3.5
BT50-WF33	M14~M33	145	78	TC1433 TC1433B	4.5



QUICK CHANGE TAPPING CHUCKS / WITH LENGTH COMPENSATION / MORSE TAPER SHANK 快換式絲攻刀桿 / 伸縮緩衝型 / 莫氏錐度型

Application

- The products are suitable for radial drilling machines, CNC turning senters, high-speed center lathes, drilling machines, radial drilling machines, air tapping machines, milling machines and other machines with reversible spindles.
- 此產品適用於旋臂式鑽床、高速車床、直立式鑽床、銑床及其他可反轉的主軸。



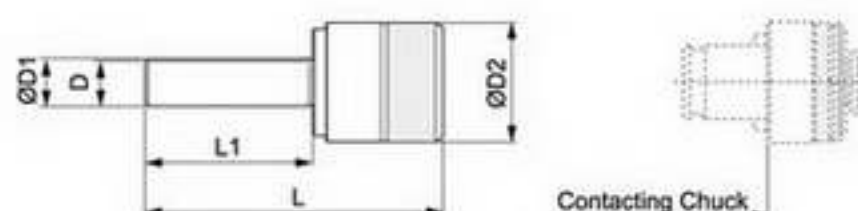
Model No.	Capacity	L (mm)	ØD2 (mm)	Collets
MT2-WF12	M3~M12	46	32	TC312 TC312B
MT3-WF12	M3~M12	46	32	TC312 TC312B
MT4-WF12	M3~M12	46	32	TC312 TC312B
MT2-WF20	M8~M20	70	50	TC820 TC820B
MT3-WF20	M8~M20	70	50	TC820 TC820B
MT4-WF20	M8~M20	70	50	TC820 TC820B
MT4-WF33	M14~M33	110	73	TC1433 TC1433B



QUICK CHANGE TAPPING CHUCKS / WITH LENGTH COMPENSATION / STRAIGHT SHANK-SIDE-LOCK & CNC LATHE 快換式絲攻刀桿 / 伸縮緩衝型 / 直柄型-側固及CNC車床專用

Application

- Quick change of tap adapters.
- Length compensation could prevent tap from breaking after tapping.
- 快換式絲攻連接桿
- 緩衝可預防在攻牙時斷落

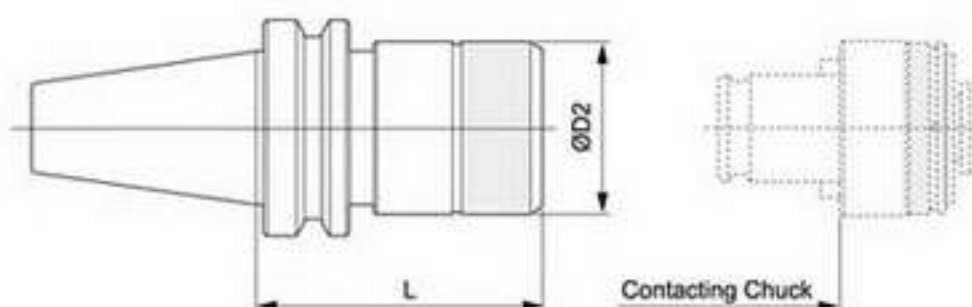


Model No.	Capacity	L (mm)	L1 (mm)	ØD (mm)	ØD1 (mm)	ØD2 (mm)	Collets
D20A-WF12	M3~M12	113	70	19	20	32	TC312 TC312B
D32A-WF12	M3~M12	113	70	31	32	32	TC312 TC312B
D20A-WF20	M8~M20	145	70	19	20	50	TC820 TC820B
D32A-WF20	M8~M20	145	70	31	32	50	TC820 TC820B
D32A-WF33	M14~M33	185	70	31	32	73	TC1433B

QUICK CHANGE TAPPING CHUCKS 快換式絲攻刀桿

Application

- Quick change of tap adapters.
- Special designed for tapping.
- 快換式絲攻連接桿
- 絲攻專用

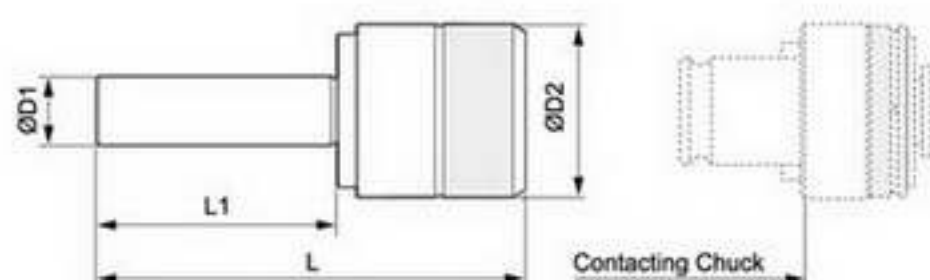


Model No.	Capacity	L (mm)	ØD2 (mm)	Collets	Weight (kgs)
BT40-SF12	M3~M14	60	32	TC312 TC312B	1.2
BT40-SF20	M8~M24	82	50	TC820 TC820B	3
BT40-SF33	M14~M36	114	73	TC1433 TC1433B	3.5

QUICK CHANGE TAPPING CHUCKS / STRAIGHT SHANK 快換式絲攻刀桿 / 直柄型-筒夾專用

Application

- Quick change of tap adapters.
- Special designed for tapping.
- 快換式絲攻連接桿
- 絲攻專用

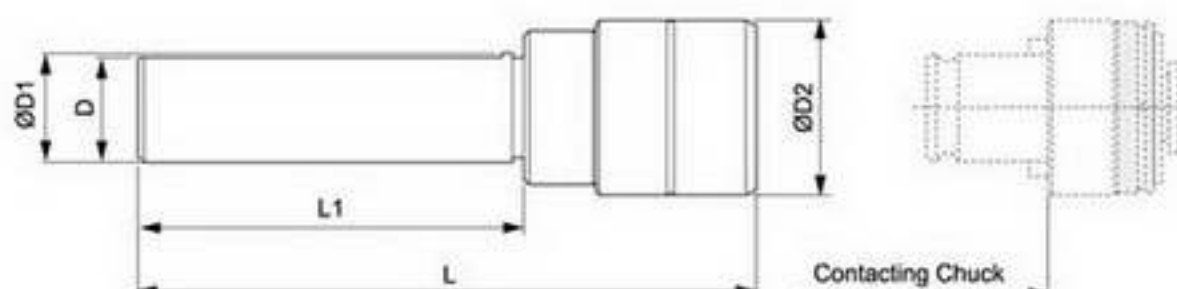


Model No.	Capacity	L (mm)	L1 (mm)	ØD1 (mm)	ØD2 (mm)	Collets
D20-SF12	M3~M14	104	70	20	32	TC312 TC312B
D32-SF12	M3~M14	104	70	32	32	TC312 TC312B
D20-SF20	M8~M24	124	70	20	50	TC820 TC820B
D32-SF20	M8~M24	124	70	32	50	TC820 TC820B
D25-SF33	M14~M36	169	70	25	73	TC1433 TC1433B
D32-SF33	M14~M36	169	70	32	73	TC1433 TC1433B



QUICK CHANGE TAPPING CHUCKS / STRAIGHT SHANK - SIDE - LOCK & CNC LATEN

快換式絲攻刀桿 / 直柄型-側固及CNC車床專用



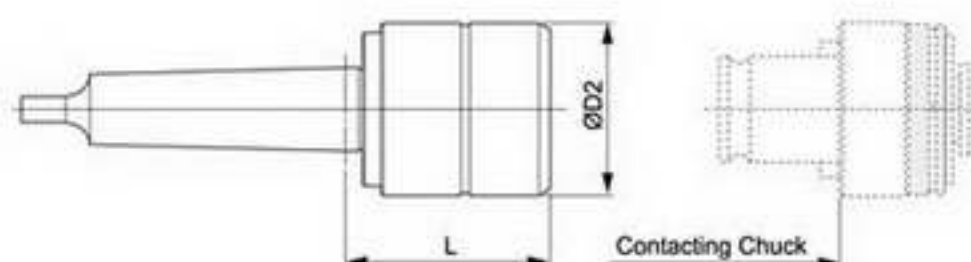
TOOLING SYSTEM

Model No.	Capacity	L (mm)	L1 (mm)	ØD (mm)	ØD1 (mm)	ØD2 (mm)	Collets
D20A-SF12	M3~M14	104	70	19	20	32	TC312 TC312B
D32A-SF12	M3~M14	104	70	31	32	32	TC312 TC312B
D20A-SF20	M8~M24	124	70	19	20	50	TC820 TC820B
D32A-SF20	M8~M24	124	70	31	32	50	TC820 TC820B
D25A-SF33	M14~M36	169	70	24	25	73	TC1433 TC1433B
D32A-SF33	M14~M36	169	70	31	32	73	TC1433 TC1433B



QUICK CHANGE TAPPING CHUCKS / MORSE TAPER SHANK

快換式絲攻刀桿 / 莫氏錐度型



Model No.	Capacity	L (mm)	ØD2 (mm)	Collets
MT2-SF12	M3~M14	40	32	TC312 TC312B
MT3-SF12	M3~M14	40	32	TC312 TC312B
MT4-SF12	M3~M14	40	32	TC312 TC312B
MT2-SF20	M8~M24	60	50	TC820 TC820B
MT3-SF20	M8~M24	60	50	TC820 TC820B
MT4-SF20	M8~M24	60	50	TC820 TC820B
MT3-SF33	M14~M36	93	73	TC1433 TC1433B
MT4-SF33	M14~M36	93	73	TC1433 TC1433B

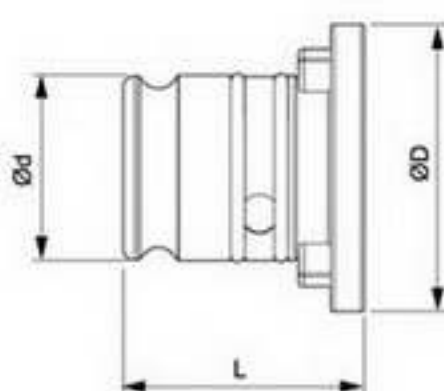


TAP CHUCK REDUCER

絲攻轉接頭

Feature

- The tap chuck adapter is designed for transferring variety tapping machine system. It is easy to quick change for user and apply in different system tools.
- 絲攻轉接頭之設計目的，是為了轉換各種不同系統的絲攻機台，使用者可容易快換並節省工具成本。



Model No.	Type	L (mm)	ØD (mm)	Ød (mm)	Collets
TC820/312	TC820 → TC312	40.4	48	31	TC312 TC312B
TC1433/820	TC1433 → TC820	62.6	69	48	TC820 TC820B



ADJUSTABLE PIN WRENCHES

調整扳手



Model No.	Spec.	ØD (mm)	Collets	Weight (kgs)
STA0001	7 - 40	2.5	TC312 TC820	0.035
STA0002	11 - 60	4	TC1433	0.035

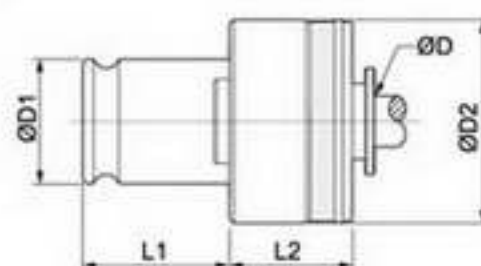


JIS TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH

JIS 快換式絲攻夾頭-扭力型

Feature

- Overload clutch is designed to prevent tap from breaking after tapping.
- 扭力型絲攻設計可預防在攻牙時，絲攻斷裂。



Model No.	TC312 JIS Tap			Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	□四方孔					
35201	M2	-	-	3.0	2.5	M3~M14	22	25	19	32
35200	M3	-	#5, #6	4.0	3.2	M3~M14	22	25	19	32
35202	M4	M4.5	#8	5.0	4.0	M3~M14	22	25	19	32
35204	M5	M5.5	#10	5.5	4.5	M3~M14	22	25	19	32
35206	M6	-	UNC 1/4	6.0	4.5	M3~M14	22	25	19	32
35208	-	-	UNC 5/16	6.1	5.0	M3~M14	22	25	19	32
35210	M8	M7	-	6.2	5.0	M3~M14	22	25	19	32
35212	M10	M9	UNC 3/8	7.0	5.5	M3~M14	22	25	19	32
35213	M11	M11	UNC 7/16	8.0	6.0	M3~M14	22	25	19	32
35214	M12	-	-	8.5	6.5	M3~M14	22	25	19	32
35216	-	-	UNC 1/2	9.0	7.0	M3~M14	22	25	19	32
35218	M14	M15	UNC 9/16	10.5	8.0	M3~M14	22	25	19	32

Model No.	TC820 JIS Tap			Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	□四方孔					
35107	M5	M5.5	#10	5.5	4.5	M8~M24	36	30.5	31	50
35105	M6	-	UNC 1/4	6.0	4.5	M8~M24	36	30.5	31	50
35101	-	-	UNC 5/16	6.1	5.0	M8~M24	36	30.5	31	50
35100	M8	M7	-	6.2	5.0	M8~M24	36	30.5	31	50
35102	M10	M9	UNC 3/8	7.0	5.5	M8~M24	36	30.5	31	50
35103	-	M11	UNC 7/16	8.0	6.0	M8~M24	36	30.5	31	50
35104	M12	-	-	8.5	6.5	M8~M24	36	30.5	31	50
35106	-	-	UNC 1/2	9.0	7.0	M8~M24	36	30.5	31	50
35108	M14	M15	UNC 9/16	10.5	8.0	M8~M24	36	30.5	31	50
35110	-	-	UNC 5/8	12.0	9.0	M8~M24	36	30.5	31	50
35112	M16	-	-	12.5	10.0	M8~M24	36	30.5	31	50
35113	-	M17	-	13.0	10.0	M8~M24	36	30.5	31	50
35114	M18	-	UNC 3/4	14.0	11.0	M8~M24	36	30.5	31	50
35116	M20	-	-	15.0	12.0	M8~M24	36	30.5	31	50
35118	M22	-	UNC 7/8	17.0	13.0	M8~M24	36	30.5	31	50
35120	M24	M25	-	19.0	15.0	M8~M24	36	30.5	31	50

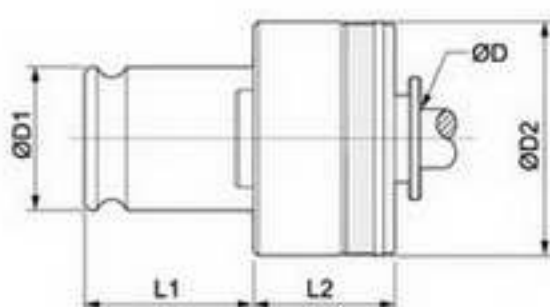
Model No.	TC1433 JIS Tap			Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	□四方孔					
35300	M14	M15	UNC 9/16	10.5	8.0	M14~M36	56	45	48	72
35302	-	-	UNC 5/8	12.0	9.0	M14~M36	56	45	48	72
35304	M16	-	-	12.5	10.0	M14~M36	56	45	48	72
35306	-	M17	-	13.0	10.0	M14~M36	56	45	48	72
35308	M18	-	UNC 3/4	14.0	11.0	M14~M36	56	45	48	72
35310	M20	-	-	15.0	12.0	M14~M36	56	45	48	72
35312	M22	-	UNC 7/8	17.0	13.0	M14~M36	56	45	48	72
35314	M24	M25	-	19.0	15.0	M14~M36	56	45	48	72
35316	M27	M26	UNC 1	20.0	15.0	M14~M36	56	45	48	72
35318	M28	-	-	21.0	17.0	M14~M36	56	45	48	72
35320	-	-	UNC 1-1/8	22.0	17.0	M14~M36	56	45	48	72
35322	M30	-	-	23.0	17.0	M14~M36	56	45	48	72
35324	M32	-	UNC 1-1/4	24.0	19.0	M14~M36	56	45	48	72
35326	M33	-	-	25.0	19.0	M14~M36	56	45	48	72
35328	M35	M34	UNC 1-3/8	26.0	21.0	M14~M36	56	45	48	72
35330	M36	-	-	28.0	21.0	M14~M36	56	45	48	72



DIN371 TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH DIN371 快換式絲攻夾頭-扭力型

Feature

- Overload clutch is designed to prevent tap from breaking after tapping.
- 扭力型絲攻設計可預防在攻牙時，絲攻斷裂。



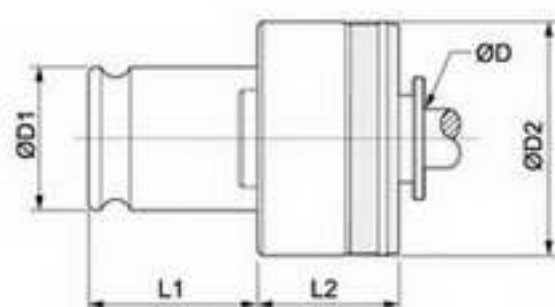
Model No.	TC312 DIN371 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35223	M1~M1.8	2.5	2.1	M3~M14	22	25	19	32
35224	M2~M2.5	2.8	2.1	M3~M14	22	25	19	32
35225	M3	3.5	2.7	M3~M14	22	25	19	32
35226	M3.5	4.0	3.0	M3~M14	22	25	19	32
35227	M4	4.5	3.4	M3~M14	22	25	19	32
35228	M4.5	6.0	4.9	M3~M14	22	25	19	32
35229	M5	6.0	4.9	M3~M14	22	25	19	32
35230	M6	6.0	4.9	M3~M14	22	25	19	32
35231	M8	8.0	6.2	M3~M14	22	25	19	32
35232	M10	10.0	8.0	M3~M14	22	25	19	32

Model No.	TC820 DIN371 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35130	M5	6.0	4.9	M8~M24	36	30.5	31	50
35131	M6	6.0	4.9	M8~M24	36	30.5	31	50
35132	M8	8.0	6.2	M8~M24	36	30.5	31	50
35133	M10	10.0	8.0	M8~M24	36	30.5	31	50



DIN376 TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH

DIN376 快換式絲攻夾頭-扭力型



TOOLING SYSTEM

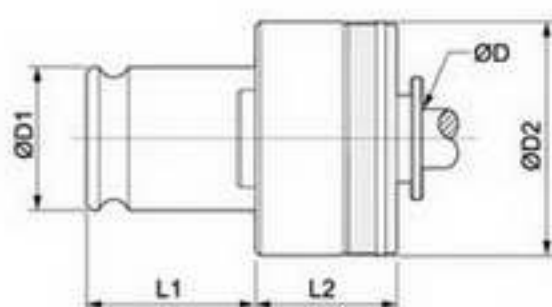
Model No.	TC312 DIN376 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35240	M3.5	2.5	2.1	M3~M14	22	25	19	32
35242	M4	2.8	2.1	M3~M14	22	25	19	32
35244	M4.5	3.5	2.7	M3~M14	22	25	19	32
35246	M5	3.5	2.7	M3~M14	22	25	19	32
35248	M6	4.5	3.4	M3~M14	22	25	19	32
35250	M7	5.5	4.3	M3~M14	22	25	19	32
35252	M8	6.0	4.9	M3~M14	22	25	19	32
35254	M10	7.0	5.5	M3~M14	22	25	19	32
35256	M12	9.0	7.0	M3~M14	22	25	19	32
35258	M14	11.0	9.0	M3~M14	22	25	19	32

Model No.	TC820 DIN376 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35134	M8	6.0	4.9	M8~M24	36	30.5	31	50
35136	M10	7.0	5.5	M8~M24	36	30.5	31	50
35138	M12	9.0	7.0	M8~M24	36	30.5	31	50
35140	M14	11.0	9.0	M8~M24	36	30.5	31	50
35142	M16	12.0	9.0	M8~M24	36	30.5	31	50
35144	M18	14.0	11.0	M8~M24	36	30.5	31	50
35146	M20	16.0	12.0	M8~M24	36	30.5	31	50
35148	M22	18.0	14.5	M8~M24	36	30.5	31	50
35150	M24	18.0	14.5	M8~M24	36	30.5	31	50

Model No.	TC1433 DIN376 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35336	M14	11.0	9.0	M14~M36	56	45	48	72
35338	M16	12.0	9.0	M14~M36	56	45	48	72
35340	M18	14.0	11.0	M14~M36	56	45	48	72
35342	M20	16.0	12.0	M14~M36	56	45	48	72
35344	M22	18.0	14.5	M14~M36	56	45	48	72
35346	M24	18.0	14.5	M14~M36	56	45	48	72
35348	M27	20.0	16.0	M14~M36	56	45	48	72
35350	M30	22.0	18.0	M14~M36	56	45	48	72
35352	M33	25.0	20.0	M14~M36	56	45	48	72
35354	M36	28.0	22.0	M14~M36	56	45	48	72

ISO529 TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH
ISO529 快換式絲攻夾頭-扭力型

刀桿系統



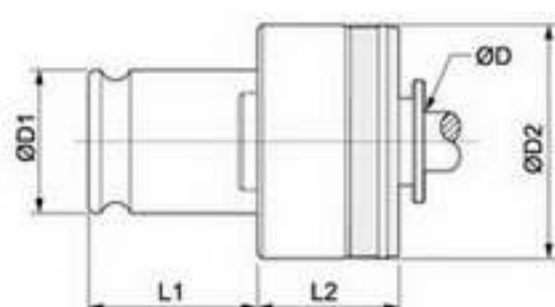
Model No.	TC312 ISO529 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35261	M1~M2	2.5	2.0	M3~M14	22	25	19	32
35262	M2.2~M2.5	2.8	2.24	M3~M14	22	25	19	32
35263	M3	3.15	2.5	M3~M14	22	25	19	32
35264	M3.5	3.55	2.8	M3~M14	22	25	19	32
35265	M4	4.0	3.15	M3~M14	22	25	19	32
35266	M4.5	4.5	3.55	M3~M14	22	25	19	32
35267	M5	5.0	4.0	M3~M14	22	25	19	32
35268	M6	6.3	5.0	M3~M14	22	25	19	32
35269	M7	7.1	5.6	M3~M14	22	25	19	32
35270	M8	8.0	6.3	M3~M14	22	25	19	32
35271	M9	9.0	7.1	M3~M14	22	25	19	32
35272	M10	10.0	8.0	M3~M14	22	25	19	32

Model No.	TC820 ISO529 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35151	M6	6.3	5.0	M8~M24	36	30.5	31	50
35152	M7	7.1	5.6	M8~M24	36	30.5	31	50
35153	M8	8.0	6.3	M8~M24	36	30.5	31	50
35154	M9	9.0	7.1	M8~M24	36	30.5	31	50
35155	M10	10.0	8.0	M8~M24	36	30.5	31	50



ISO529/2283 TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH

ISO529/2283 快換式絲攻夾頭-扭力型



TOOLING SYSTEM

Model No.	TC312 ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35275	M3	2.24	1.8	M3~M14	22	25	19	32
35276	M3.5	2.5	2.0	M3~M14	22	25	19	32
35277	M4	3.15	2.5	M3~M14	22	25	19	32
35278	M4.5	3.55	2.8	M3~M14	22	25	19	32
35279	M5	4.0	3.15	M3~M14	22	25	19	32
35280	M6	4.5	3.55	M3~M14	22	25	19	32
35281	M7	5.6	4.5	M3~M14	22	25	19	32
35282	M8	6.3	5.0	M3~M14	22	25	19	32
35283	M9	7.1	5.6	M3~M14	22	25	19	32
35284	M10	8.0	6.3	M3~M14	22	25	19	32
35285	M12	9.0	7.1	M3~M14	22	25	19	32
35286	M14	11.2	9.0	M3~M14	22	25	19	32

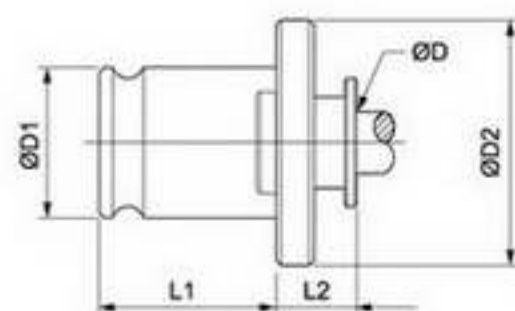
Model No.	TC820 ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35156	M8	6.3	5.0	M8~M24	36	30.5	31	50
35158	M9	7.1	5.6	M8~M24	36	30.5	31	50
35160	M10	8.0	6.3	M8~M24	36	30.5	31	50
35162	M12	9.0	7.1	M8~M24	36	30.5	31	50
35164	M14	11.2	9.0	M8~M24	36	30.5	31	50
35166	M16	12.5	10.0	M8~M24	36	30.5	31	50
35168	M18	14.0	11.2	M8~M24	36	30.5	31	50
35170	M20	14.0	11.2	M8~M24	36	30.5	31	50
35172	M22	16.0	12.5	M8~M24	36	30.5	31	50
35174	M24	18.0	14.0	M8~M24	36	30.5	31	50

Model No.	TC1433 ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35356	M14	11.2	9.0	M14~M36	56	45	48	72
35358	M16	12.5	10.0	M14~M36	56	45	48	72
35360	M18	14.0	11.2	M14~M36	56	45	48	72
35362	M20	14.0	11.2	M14~M36	56	45	48	72
35364	M22	16.0	12.5	M14~M36	56	45	48	72
35366	M24	18.0	14.0	M14~M36	56	45	48	72
35368	M27	20.0	16.0	M14~M36	56	45	48	72
35370	M30	20.0	16.0	M14~M36	56	45	48	72
35372	M33	22.4	18.0	M14~M36	56	45	48	72
35374	M36	25.0	20.0	M14~M36	56	45	48	72



JIS TYPE - QUICK CHANGE TAP COLLETS - RIGID TYPE

JIS 快換式絲攻-剛性



Model No.	TC308B JIS Top			Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	四方孔					
35802	M2	-	-	3.0	2.5	M3-M8	19.5	7	12.65	22
35804	M3	-	#5, #6	4.0	3.2	M3-M8	19.5	7	12.65	22
35806	M4	M4.5	#8	5.0	4.0	M3-M8	19.5	7	12.65	22
35808	M5	M5.5	#10	5.5	4.5	M3-M8	19.5	7	12.65	22
35810	M6	-	UNC 1/4	6.0	4.5	M3-M8	19.5	7	12.65	22
35812	-	-	UNC 5/16	6.1	5.0	M3-M8	19.5	7	12.65	22
35814	M8	M7	-	6.2	5.0	M3-M8	19.5	7	12.65	22

Model No.	TC312B JIS Top			Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	四方孔					
35401	M2	-	-	3.0	2.5	M3-M14	22	7	19	30
35400	M3	-	#5, #6	4.0	3.2	M3-M14	22	7	19	30
35402	M4	M4.5	#8	5.0	4.0	M3-M14	22	7	19	30
35404	M5	M5.5	#10	5.5	4.5	M3-M14	22	7	19	30
35406	M6	-	UNC 1/4	6.0	4.5	M3-M14	22	7	19	30
35408	-	-	UNC 5/16	6.1	5.0	M3-M14	22	7	19	30
35410	M8	M7	-	6.2	5.0	M3-M14	22	7	19	30
35412	M10	M9	UNC 3/8	7.0	5.5	M3-M14	22	7	19	30
35413	-	M11	UNC 7/16	8.0	6.0	M3-M14	22	7	19	30
35414	M12	-	-	8.5	6.5	M3-M14	22	7	19	30
35416	-	-	UNC 1/2	9.0	7.0	M3-M14	22	7	19	30
35418	M14	M15	UNC 9/16	10.5	8.0	M3-M14	22	7	19	30

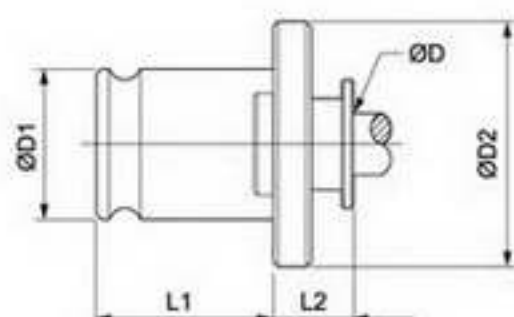
Model No.	TC820B JIS Top			Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	四方孔					
35500	M8	M7	-	6.2	5.0	M8-M24	36	11	31	48
35502	M10	M9	UNC 3/8	7.0	5.5	M8-M24	36	11	31	48
35503	-	M11	UNC 7/16	8.0	6.0	M8-M24	36	11	31	48
35504	M12	-	-	8.5	6.5	M8-M24	36	11	31	48
35506	-	-	UNC 1/2	9.0	7.0	M8-M24	36	11	31	48
35508	M14	M15	UNC 9/16	10.5	8.0	M8-M24	36	11	31	48
35510	-	-	UNC 5/8	12.0	9.0	M8-M24	36	11	31	48
35512	M16	-	-	12.5	10.0	M8-M24	36	11	31	48
35513	-	M17	-	13.0	10.0	M8-M24	36	11	31	48
35514	M18	-	UNC 3/4	14.0	11.0	M8-M24	36	11	31	48
35516	M20	-	-	15.0	12.0	M8-M24	36	11	31	48
35518	M22	-	UNC 7/8	17.0	13.0	M8-M24	36	11	31	48
35520	M24	M25	-	19.0	15.0	M8-M24	36	11	31	48

Model No.	TC1433B JIS Top			Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
				ØD柄徑	四方孔					
35600	M14	M15	UNC 9/16	10.5	8.0	M14-M36	56	14	48	70
35602	-	-	UNC 5/8	12.0	9.0	M14-M36	56	14	48	70
35604	M16	-	-	12.5	10.0	M14-M36	56	14	48	70
35606	-	M17	-	13.0	10.0	M14-M36	56	14	48	70
35608	M18	-	UNC 3/4	14.0	11.0	M14-M36	56	14	48	70
35610	M20	-	-	15.0	12.0	M14-M36	56	14	48	70
35612	M22	-	UNC 7/8	17.0	13.0	M14-M36	56	14	48	70
35614	M24	M25	-	19.0	15.0	M14-M36	56	14	48	70
35616	M27	M26	UNC 1	20.0	15.0	M14-M36	56	14	48	70
35618	M28	-	-	21.0	17.0	M14-M36	56	14	48	70
35620	-	-	UNC 1-1/8	22.0	17.0	M14-M36	56	14	48	70
35622	M30	-	-	23.0	17.0	M14-M36	56	14	48	70
35624	M32	-	UNC 1-1/4	24.0	19.0	M14-M36	56	14	48	70
35626	M33	-	-	25.0	19.0	M14-M36	56	14	48	70
35628	M35	M34	UNC 1-3/8	26.0	21.0	M14-M36	56	14	48	70
35630	M36	-	-	28.0	21.0	M14-M36	56	14	48	70



DIN371 TYPE - QUICK CHANGE TAP COLLETS - RIGID TYPE

DIN371 快換式絲攻-剛性



Model No.	TC308B DIN371 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35824	M1~M1.8	2.5	2.1	M3~M8	19.5	7	12.65	22
35825	M2~M2.5	2.8	2.1	M3~M8	19.5	7	12.65	22
35826	M3	3.5	2.7	M3~M8	19.5	7	12.65	22
35827	M3.5	4.0	3.0	M3~M8	19.5	7	12.65	22
35828	M4	4.5	3.4	M3~M8	19.5	7	12.65	22
35829	M4.5	6.0	4.9	M3~M8	19.5	7	12.65	22
35830	M5	6.0	4.9	M3~M8	19.5	7	12.65	22
35831	M6	6.0	4.9	M3~M8	19.5	7	12.65	22
35832	M8	8.0	6.2	M3~M8	19.5	7	12.65	22

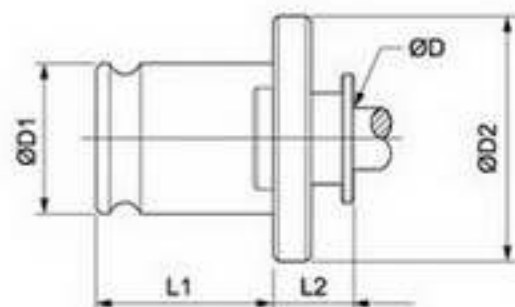
Model No.	TC312B DIN371 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35423	M1~M1.8	2.5	2.1	M3~M14	22	7	19	30
35424	M2~M2.5	2.8	2.1	M3~M14	22	7	19	30
35425	M3	3.5	2.7	M3~M14	22	7	19	30
35426	M3.5	4.0	3.0	M3~M14	22	7	19	30
35427	M4	4.5	3.4	M3~M14	22	7	19	30
35428	M4.5	6.0	4.9	M3~M14	22	7	19	30
35429	M5	6.0	4.9	M3~M14	22	7	19	30
35430	M6	6.0	4.9	M3~M14	22	7	19	30
35431	M8	8.0	6.2	M3~M14	22	7	19	30
35432	M10	10.0	8.0	M3~M14	22	7	19	30

Model No.	TC820B DIN371 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35529	M4.5	6.0	4.9	M8~M24	36	11	31	48
35530	M5	6.0	4.9	M8~M24	36	11	31	48
35531	M6	6.0	4.9	M8~M24	36	11	31	48
35532	M8	8.0	6.2	M8~M24	36	11	31	48
35533	M10	10.0	8.0	M8~M24	36	11	31	48



DIN376 TYPE - QUICK CHANGE TAP COLLETS - RIGID TYPE

DIN376 快換式絲攻-剛性



Model No.	TC308B DIN376 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35836	M3.5	2.5	2.1	M3~M8	19.5	7	12.65	22
35838	M4	2.8	2.1	M3~M8	19.5	7	12.65	22
35840	M4.5	3.5	2.7	M3~M8	19.5	7	12.65	22
35842	M5	3.5	2.7	M3~M8	19.5	7	12.65	22
35844	M6	4.5	3.4	M3~M8	19.5	7	12.65	22
35846	M7	5.5	4.3	M3~M8	19.5	7	12.65	22
35848	M8	6.0	4.9	M3~M8	19.5	7	12.65	22
35850	M10	7.0	5.5	M3~M8	19.5	7	12.65	22
35852	M12	9.0	7.0	M3~M8	19.5	7	12.65	22
35854	M14	11.0	9.0	M3~M8	19.5	7	12.65	22
35856	M16	12.0	9.0	M3~M8	19.5	7	12.65	22

Model No.	TC312B DIN376 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35440	M3.5	2.5	2.1	M3~M14	22	7	19	30
35442	M4	2.8	2.1	M3~M14	22	7	19	30
35444	M4.5	3.5	2.7	M3~M14	22	7	19	30
35446	M5	3.5	2.7	M3~M14	22	7	19	30
35448	M6	4.5	3.4	M3~M14	22	7	19	30
35450	M7	5.5	4.3	M3~M14	22	7	19	30
35452	M8	6.0	4.9	M3~M14	22	7	19	30
35454	M10	7.0	5.5	M3~M14	22	7	19	30
35456	M12	9.0	7.0	M3~M14	22	7	19	30
35458	M14	11.0	9.0	M3~M14	22	7	19	30

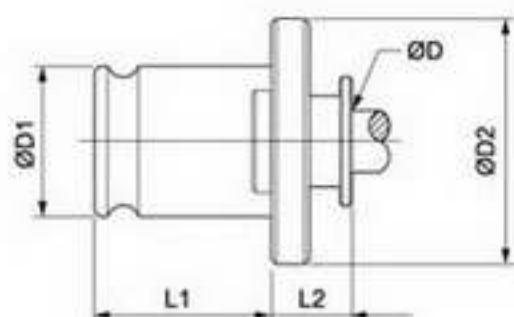
Model No.	TC820B DIN376 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35534	M8	6.0	4.9	M8~M24	36	11	31	48
35536	M10	7.0	5.5	M8~M24	36	11	31	48
35538	M12	9.0	7.0	M8~M24	36	11	31	48
35540	M14	11.0	9.0	M8~M24	36	11	31	48
35542	M16	12.0	9.0	M8~M24	36	11	31	48
35544	M18	14.0	11.0	M8~M24	36	11	31	48
35546	M20	16.0	12.0	M8~M24	36	11	31	48
35548	M22	18.0	14.5	M8~M24	36	11	31	48
35550	M24	18.0	14.5	M8~M24	36	11	31	48

Model No.	TC1433B DIN376 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35636	M14	11.0	9.0	M14~M36	56	14	48	70
35638	M16	12.0	9.0	M14~M36	56	14	48	70
35640	M18	14.0	11.0	M14~M36	56	14	48	70
35642	M20	16.0	12.0	M14~M36	56	14	48	70
35644	M22	18.0	14.5	M14~M36	56	14	48	70
35646	M24	18.0	14.5	M14~M36	56	14	48	70
35648	M27	20.0	16.0	M14~M36	56	14	48	70
35650	M30	22.0	18.0	M14~M36	56	14	48	70
35652	M33	25.0	20.0	M14~M36	56	14	48	70
35654	M36	28.0	22.0	M14~M36	56	14	48	70



ISO529 TYPE - QUICK CHANGE TAP COLLETS - RIGID TYPE

ISO529 快換式絲攻-剛性

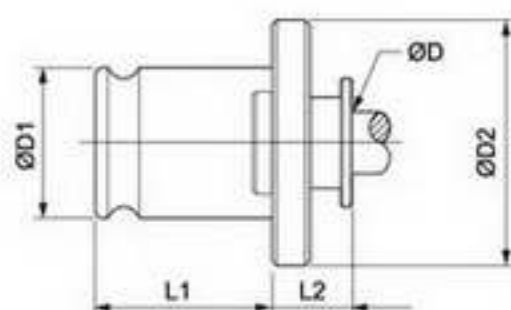


Model No.	TC308B ISO529 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35860	M1~M2	2.5	2.0	M3~M8	19.5	7	12.65	22
35861	M2.2~M2.5	2.8	2.24	M3~M8	19.5	7	12.65	22
35862	M3	3.15	2.5	M3~M8	19.5	7	12.65	22
35863	M3.5	3.55	2.8	M3~M8	19.5	7	12.65	22
35864	M4	4.0	3.15	M3~M8	19.5	7	12.65	22
35865	M4.5	4.5	3.55	M3~M8	19.5	7	12.65	22
35866	M5	5.0	4.0	M3~M8	19.5	7	12.65	22
35867	M6	6.3	5.0	M3~M8	19.5	7	12.65	22
35868	M7	7.1	5.6	M3~M8	19.5	7	12.65	22
35869	M8	8.0	6.3	M3~M8	19.5	7	12.65	22

Model No.	TC312B ISO529 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35461	M1~M2	2.5	2.0	M3~M14	22	7	19	30
35462	M2.2~M2.5	2.8	2.24	M3~M14	22	7	19	30
35463	M3	3.15	2.5	M3~M14	22	7	19	30
35464	M3.5	3.55	2.8	M3~M14	22	7	19	30
35465	M4	4.0	3.15	M3~M14	22	7	19	30
35466	M4.5	4.5	3.55	M3~M14	22	7	19	30
35467	M5	5.0	4.0	M3~M14	22	7	19	30
35468	M6	6.3	5.0	M3~M14	22	7	19	30
35469	M7	7.1	5.6	M3~M14	22	7	19	30
35470	M8	8.0	6.3	M3~M14	22	7	19	30
35471	M9	9.0	7.1	M3~M14	22	7	19	30
35472	M10	10.0	8.0	M3~M14	22	7	19	30

Model No.	TC820B ISO529 Tap	Tap Shank 絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35551	M6	6.3	5.0	M8~M24	36	11	31	48
35552	M7	7.1	5.6	M8~M24	36	11	31	48
35553	M8	8.0	6.3	M8~M24	36	11	31	48
35554	M9	9.0	7.1	M8~M24	36	11	31	48
35555	M10	10.0	8.0	M8~M24	36	11	31	48

ISO529/2283 TYPE - QUICK CHANGE TAP COLLETS-RIGID TYPE
ISO529/2283 快換式絲攻-剛性



Model No.	TC308B ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35874	M3	2.24	1.8	M3~M8	19.5	7	12.65	22
35876	M3.5	2.5	2.0	M3~M8	19.5	7	12.65	22
35878	M4	3.15	2.5	M3~M8	19.5	7	12.65	22
35880	M4.5	3.55	2.8	M3~M8	19.5	7	12.65	22
35882	M5	4.0	3.15	M3~M8	19.5	7	12.65	22
35884	M6	4.5	3.55	M3~M8	19.5	7	12.65	22
35886	M7	5.6	4.5	M3~M8	19.5	7	12.65	22
35888	M8	6.3	5.0	M3~M8	19.5	7	12.65	22

Model No.	TC312B ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35475	M3	2.24	1.8	M3~M14	22	7	19	30
35476	M3.5	2.5	2.0	M3~M14	22	7	19	30
35477	M4	3.15	2.5	M3~M14	22	7	19	30
35478	M4.5	3.55	2.8	M3~M14	22	7	19	30
35479	M5	4.0	3.15	M3~M14	22	7	19	30
35480	M6	4.5	3.55	M3~M14	22	7	19	30
35481	M7	5.6	4.5	M3~M14	22	7	19	30
35482	M8	6.3	5.0	M3~M14	22	7	19	30
35483	M9	7.1	5.6	M3~M14	22	7	19	30
35484	M10	8.0	6.3	M3~M14	22	7	19	30
35485	M12	9.0	7.1	M3~M14	22	7	19	30
35486	M14	11.2	9.0	M3~M14	22	7	19	30

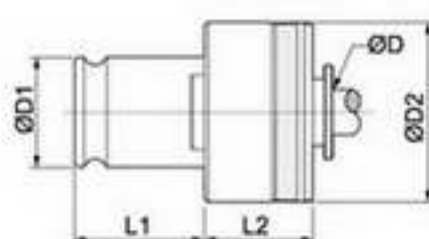
Model No.	TC820B ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35556	M8	6.3	5.0	M8~M24	36	11	31	48
35558	M9	7.1	5.6	M8~M24	36	11	31	48
35560	M10	8.0	6.3	M8~M24	36	11	31	48
35562	M12	9.0	7.1	M8~M24	36	11	31	48
35564	M14	11.2	9.0	M8~M24	36	11	31	48
35566	M16	12.5	10.0	M8~M24	36	11	31	48
35568	M18	14.0	11.2	M8~M24	36	11	31	48
35570	M20	14.0	11.2	M8~M24	36	11	31	48
35572	M22	16.0	12.5	M8~M24	36	11	31	48
35574	M24	18.0	14.0	M8~M24	36	11	31	48

Model No.	TC1433B ISO529/2283 Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35656	M14	11.2	9.0	M14~M36	56	14	48	70
35658	M16	12.5	10.0	M14~M36	56	14	48	70
35660	M18	14.0	11.2	M14~M36	56	14	48	70
35662	M20	14.0	11.2	M14~M36	56	14	48	70
35664	M22	16.0	12.5	M14~M36	56	14	48	70
35666	M24	18.0	14.0	M14~M36	56	14	48	70
35668	M27	20.0	16.0	M14~M36	56	14	48	70
35670	M30	20.0	16.0	M14~M36	56	14	48	70
35672	M33	22.4	18.0	M14~M36	56	14	48	70
35674	M36	25.0	20.0	M14~M36	56	14	48	70



JIS TYPE - QUICK CHANGE TAP COLLETS WITH OVERLOAD CLUTCH

JIS 快換式絲攻夾頭-扭力型



Model No.	TC312 JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35219	PT 1/8	8.0	6.0	PT1/8~PT 1/4	22	25	19	32
35220	PT 1/4	11.0	9.0	PT1/8~PT 1/4	22	25	19	32

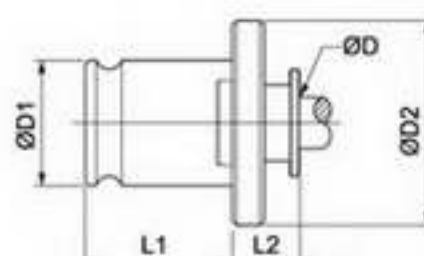
Model No.	TC820 JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35121	PT 1/8	8.0	6.0	PT1/8~PT 1/2	36	30.5	31	50
35122	PT 1/4	11.0	9.0	PT1/8~PT 1/2	36	30.5	31	50
35123	PT 3/8	14.0	11.0	PT1/8~PT 1/2	36	30.5	31	50
35124	PT 1/2	18.0	14.0	PT1/8~PT 1/2	36	30.5	31	50

Model No.	TC1433 JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35331	PT 1/4	11.0	9.0	PT1/4~PT 1"	56	45	48	72
35332	PT 3/8	14.0	11.0	PT1/4~PT 1"	56	45	48	72
35333	PT 1/2	18.0	14.0	PT1/4~PT 1"	56	45	48	72
35334	PT 3/4	23.0	17.0	PT1/4~PT 1"	56	45	48	72
35335	PT 1	26.0	21.0	PT1/4~PT 1"	56	45	48	72



JIS TYPE - QUICK CHANGE TAP COLLETS - RIGID TYPE

JIS 快換式絲攻-剛性



Model No.	TC308B JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35818	PT 1/8	8.0	6.0	PT1/8~PT 1/4	19.5	7	12.65	22
35820	PT 1/4	11.0	9.0	PT1/8~PT 1/4	19.5	7	12.65	22

Model No.	TC312B JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35419	PT 1/8	8.0	6.0	PT1/8~PT 1/4	22	7	19	30
35420	PT 1/4	11.0	9.0	PT1/8~PT 1/4	22	7	19	30

Model No.	TC820B JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35521	PT 1/8	8.0	6.0	PT1/8~PT 1/2	36	11	31	48
35522	PT 1/4	11.0	9.0	PT1/8~PT 1/2	36	11	31	48
35523	PT 3/8	14.0	11.0	PT1/8~PT 1/2	36	11	31	48
35524	PT 1/2	18.0	14.0	PT1/8~PT 1/2	36	11	31	48

Model No.	TC1433B JIS Tap	Tap Shank絲攻尺寸		Capacity 攻牙能力	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
		ØD柄徑	□四方孔					
35631	PT 1/4	11.0	9.0	PT1/4~PT 1"	56	14	48	70
35632	PT 3/8	14.0	11.0	PT1/4~PT 1"	56	14	48	70
35633	PT 1/2	18.0	14.0	PT1/4~PT 1"	56	14	48	70
35634	PT 3/4	23.0	17.0	PT1/4~PT 1"	56	14	48	70
35635	PT 1	26.0	21.0	PT1/4~PT 1"	56	14	48	70



DRILL TAPPING SET

旋臂鑽床攻牙組

刀桿系統



Model No.	Weight (kgs)	Tap Collet	Taper Sleeve	Weight (kgs)
DT33-MT3	3.15	M6 (W1/4) , M8 , M10 (W3/8) , M12 , M14 , M18 (W3/4 , PT3/8) , M20 , M16 , M22 (W7/8) , M24 , M27 (W1") , M28 , M30 , M32 (W1-1/4 , PT7/8) , M33 , M36 (PT1-1/8) , M40 , (W1-1/2) , M42 (PT1-1/4) , W1/2 , W5/8 , W11/8 , PT1/8 , PT1/2 , PT1" (W1-3/8 , M35)	DT33-MT1	0.7
DT33-MT4	3.48		DT33-MT2	
DT33-MT5	4.38		DT33-MT3	
			DT33-MT4	
DT52-MT5	7.43	M20 , M22 (W7/8) , M24 , M27(W1") , M30 , M33 M36 (PT1-1/8) , M40 , (W1-1/2) , M42 (PT1-1/4), M45 (W1 3/4 , PT1 3/8) , M48 (PT1-1/2) , M52 (PT1-3/4) , M56 , M60 (PT2") , M64 (W2-1/2) W2" , W1-1/8 , W1-1/4 (PT7/8 , M32) (PT1 W1-3/8 , M35)	DT52-MT2 DT52-MT3 DT52-MT4 DT52-MT5	2



DT33 / 52 SIZE OF TAP COLLETS

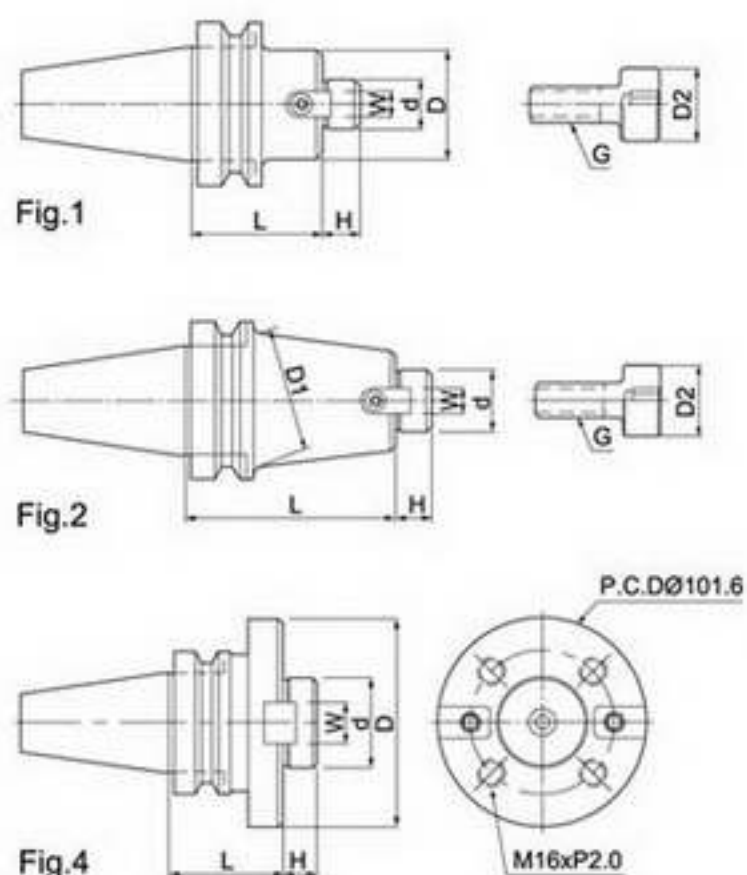
絲攻筒夾規格

DT33 TAP SIZE SPECIFICATION 絲攻筒夾											
JIS	Ød	□	ISO	Ød	□	DIN371	Ød	□	DIN376	Ød	□
DT33 M06 W1/4	6	4.5	DT33 M08	8	6.3	DT33 M08	8	6.2	DT33 M08	6	4.9
DT33 M08	6.2	5	DT33 M10	10	8	DT33 M10	10	8	DT33 M10	7	5.5
DT33 M10 W3/8	7	5.5	DT33 M12	9	7.1				DT33 M12	9	7
DT33 M12	8.5	6.5	DT33 M14	11.2	9				DT33 M14	11	9
DT33 M14	10.5	8	DT33 M16	12.5	10				DT33 M16	12	9
DT33 M16	12.5	10	DT33 M18 M20	14	11.2				DT33 M18	14	11
DT33 M18 W3/4 PT3/8	14	11	DT33 M22	16	12.5				DT33 M20	16	12
DT33 M20	15	12	DT33 M24	18	14				DT33 M22 M24	18	14.5
DT33 M22 W7/8	17	13	DT33 M27 M30	20	16				DT33 M27	20	16
DT33 M24	19	15	DT33 M33	22.4	18				DT33 M30	22	18
DT33 M27 W1" PT5/8	20	15	DT33 M36	25	20				DT33 M33	25	20
DT33 M30 PT3/4	23	17							DT33 M36	28	22
DT33 M32 PT7/8 W1-1/4	24	19									
DT33 M33	25	19									
DT33 M34 PT1 W1-3/8	26	21									
DT33 M36 PT1-1/8	28	21									
DT33 W5/16	6.1	5									
DT33 W7/16 PT1/8	8	6									
DT33 W1/2	9	7									
DT33 W5/8	12	9									
DT33 W1-18	22	17									
DT33 PT1/4	11	9									
DT33 PT1/2	18	14									

DT52 TAP SIZE SPECIFICATION 絲攻筒夾								
JIS	Ød	□	ISO	Ød	□	DIN376	Ød	□
DT52 M20	15	12	DT52 M20	14	11.2	DT52 M20	16	12
DT52 M22 W7/8	17	13	DT52 M22	16	12.5	DT52 M22 M24 W1"	18	14.5
DT52 M24 M25	19	15	DT52 M24	18	14	DT52 M27	20	16
DT52 M27 W1 PT5/8	20	15	DT52 M27 M30	20	16	DT52 M30	22	18
DT52 M30 PT3/4	23	17	DT52 M33	22.4	18	DT52 M33	25	20
DT52 M32 W1-14 PT7/8	24	19	DT52 M36	25	20	DT52 M36	28	22
DT52 M33	25	19	DT52 M39 M42	28	22.4	DT52 M39 M42	32	24
DT52 M34 M35 W1-3/8 PT1	26	21	DT52 M45 M48	31.5	25	DT52 M45 M48	36	29
DT52 M36 PT1-1/8	28	21	DT52 M52	35.5	28	DT52 M52	40	32
DT52 M39 M40 W1-1/2	30	23						
DT52 M42 W1-5/8	32	26						
DT52 M45 M46 W1-3/4 PT1-3/8	35	26						
DT52 M48 W1-7/8 PT1-1/2	38	29						
DT52 M50 W2	40	32						
DT52 M52	42	32						
DT52 W1-1/8	22	17						



BT FACE MILL A TYPE / FMA
BT 平面銑刀柄



Model No.	Fig	Ød (mm)	L (mm)	H (mm)	G	W (mm)	ØD (mm)	ØD1 (mm)	Weight (kgs)
BT30-FMA25.4-45	1	25.4	45	19	M12	9.5	45	-	0.8
BT30-FMA25.4-60	1	25.4	60	19	M12	9.5	45	-	0.8
BT40-FMA25.4-45	1	25.4	45	19	M12	9.5	55	-	1.5
BT40-FMA25.4-60	1	25.4	60	19	M12	9.5	55	-	-
BT40-FMA25.4-75	1	25.4	75	19	M12	9.5	55	-	-
BT40-FMA25.4-90	2	25.4	90	19	M12	9.5	55	60	2.2
BT40-FMA25.4-105	2	25.4	105	19	M12	9.5	55	60	-
BT40-FMA25.4-125	2	25.4	125	19	M12	9.5	55	60	-
BT40-FMA25.4-150	2	25.4	150	19	M12	9.5	55	60	-
BT40-FMA25.4-200	2	25.4	200	19	M12	9.5	55	60	-
BT40-FMA31.75-45	1	31.75	45	21	M12	12.7	60	-	1.7
BT40-FMA31.75-60	1	31.75	60	21	M12	12.7	60	-	-
BT40-FMA31.75-75	1	31.75	75	21	M12	12.7	60	-	-
BT40-FMA31.75-90	1	31.75	90	21	M12	12.7	60	-	2.7
BT40-FMA31.75-105	1	31.75	105	21	M12	12.7	60	-	-
BT40-FMA31.75-125	1	31.75	125	21	M12	12.7	60	-	-
BT40-FMA31.75-150	2	31.75	150	21	M12	12.7	60	68	-
BT40-FMA31.75-200	2	31.75	200	21	M12	12.7	60	68	-
BT40-FMA38.1-60	1	38.1	60	23	M16	15.9	78	-	2.5
BT50-FMA25.4-45	1	25.4	45	19	M12	9.5	63	-	4
BT50-FMA25.4-60	1	25.4	60	19	M12	9.5	58	-	4.5
BT50-FMA25.4-75	2	25.4	75	19	M12	9.5	58	63	4.5

Model No.	Fig	Ød (mm)	L (mm)	H (mm)	G	W (mm)	ØD (mm)	ØD1 (mm)	Weight (kgs)
BT50-FMA25.4-75 (S)	2	25.4	75	19	M12	9.5	49	55	4.5
BT50-FMA25.4-105	2	25.4	105	19	M12	9.5	58	63	5.2
BT50-FMA25.4-105 (S)	2	25.4	105	19	M12	9.5	49	55	5.2
BT50-FMA25.4-125	2	25.4	125	19	M12	9.5	58	63	-
BT50-FMA25.4-150	2	25.4	150	19	M12	9.5	58	63	6.3
BT50-FMA25.4-150 (S)	2	25.4	150	19	M12	9.5	49	55	6.3
BT50-FMA25.4-200	2	25.4	200	19	M12	9.5	58	63	7.1
BT50-FMA25.4-250	2	25.4	250	19	M12	9.5	58	63	7.1
BT50-FMA25.4-300	2	25.4	300	19	M12	9.5	58	63	-
BT50-FMA25.4-350	2	25.4	350	19	M12	9.5	58	63	-
BT50-FMA25.4-400	2	25.4	400	19	M12	9.5	58	63	-
BT50-FMA31.75-45	1	31.75	45	21	M16	12.7	70	-	4.2
BT50-FMA31.75-75	1	31.75	75	21	M16	12.7	70	-	5
BT50-FMA31.75-75 (S)	2	31.75	75	21	M16	12.7	60	65	5
BT50-FMA31.75-90	1	31.75	90	21	M16	12.7	70	-	-
BT50-FMA31.75-105	2	31.75	105	21	M16	12.7	70	75	5.7
BT50-FMA31.75-105 (S)	2	31.75	105	21	M16	12.7	60	65	5.7
BT50-FMA31.75-125	2	31.75	125	21	M16	12.7	70	75	-
BT50-FMA31.75-150	2	31.75	150	21	M16	12.7	70	75	6.9
BT50-FMA31.75-150 (S)	2	31.75	150	21	M16	12.7	60	65	6.9
BT50-FMA31.75-200	2	31.75	200	21	M16	12.7	70	75	7.7
BT50-FMA31.75-250	2	31.75	250	21	M16	12.7	70	75	-
BT50-FMA31.75-300	2	31.75	300	21	M16	12.7	70	75	-
BT50-FMA38.1-45	1	38.1	45	23	M16	15.9	82	-	4.5
BT50-FMA38.1-75	1	38.1	75	23	M16	15.9	80	-	5.3
BT50-FMA38.1-105	1	38.1	105	23	M16	15.9	80	-	-
BT50-FMA38.1-125	2	38.1	125	23	M16	15.9	80	85	-
BT50-FMA38.1-150	2	38.1	150	23	M16	15.9	80	85	8.7
BT50-FMA38.1-200	2	38.1	200	23	M16	15.9	80	85	-
BT50-FMA50.8-45	1	50.8	45	24	M16	19	95	-	6.5
BT50-FMA50.8-75	1	50.8	75	24	M16	19	95	-	7
BT50-FMA50.8-105	1	50.8	105	24	M16	19	95	-	-
BT50-FMA50.8-125	1	50.8	125	24	M16	19	95	-	-
BT50-FMA50.8-150	1	50.8	150	24	M16	19	95	-	-
BT50-FMA47.625-75	4	47.625	75	32	-	25.4	128	-	7

(S為筒形銑刀用) (S for collet mill cutter)

NT FACE MILL A TYPE / FMA
NT 平面銑刀柄

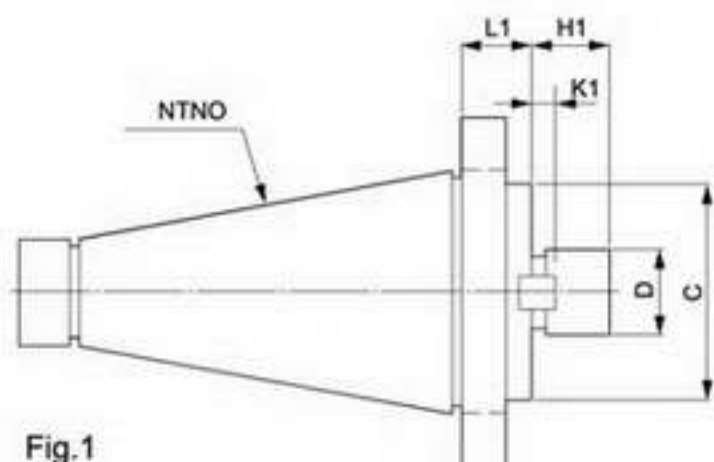


Fig.1

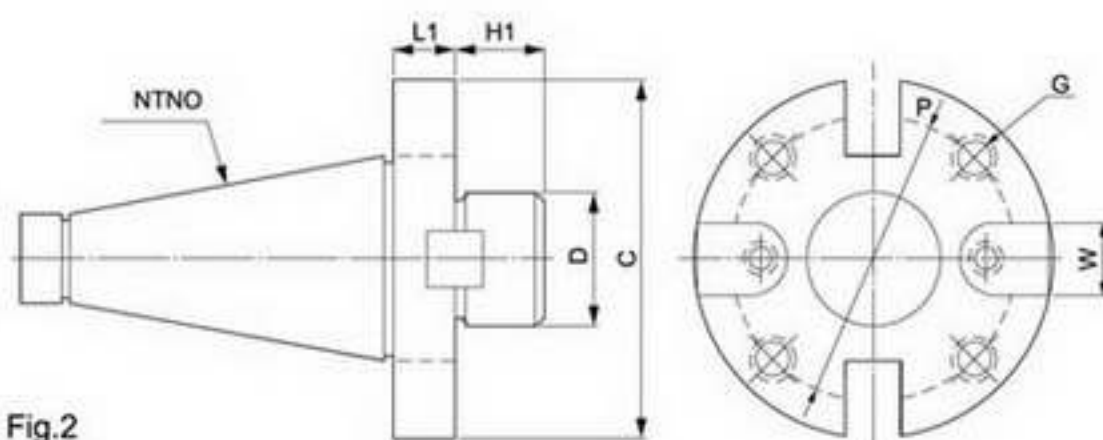


Fig.2

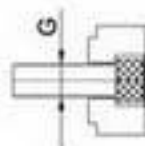
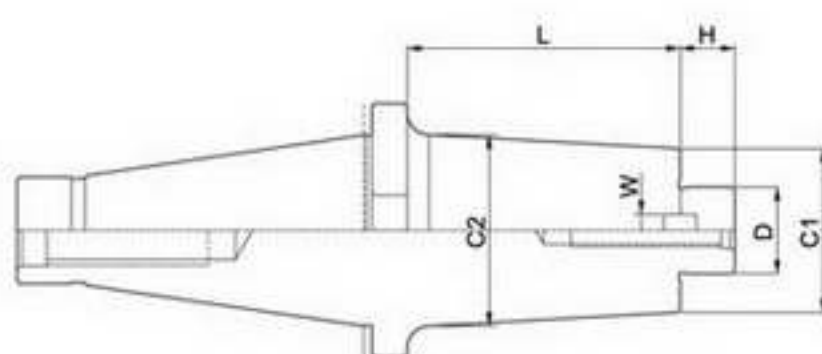


Model No.	Fig	D1 (mm)	H1 (mm)	W (mm)	K1 (mm)	C1 (mm)	L1 (mm)	P (mm)	G	Weight (kgs)
NT30-FMA25.4	1	25.4	19	9.525	5	58	18	-	-	0.6
NT30-FMA31.75	1	31.75	21	12.75	7	68	20	-	-	0.8
NT30-FMA38.1	1	38.1	23	15.875	9	78	20	-	-	2.2
NT40-FMA25.4	1	25.4	19	9.525	5	65	20	-	-	1.5
NT40-FMA31.75	1	31.75	21	12.75	7	73	20	-	-	1.8
NT40-FMA38.1	1	38.1	23	15.875	9	82	20	-	-	2
NT40-FMA50.8	1	50.8	24	19.05	10	95	20	-	-	2.6
NT40-FMA47.625	2	47.625	32	25.4	12	128	22	101.6	M16	3.5
NT50-FMA25.4	1	25.4	19	9.525	5	65	20	-	-	3.3
NT50-FMA31.75	1	31.75	21	12.75	7	73	20	-	-	3.4
NT50-FMA38.1	1	38.1	23	15.875	9	82	20	-	-	3.5
NT50-FMA50.8	1	50.8	24	19.05	10	95	20	-	-	3.9
NT50-FMA47.625	2	47.625	32	25.4	12	128	22	101.6	M16	5.28



NT FACE MILLING ARBOR (EXTENSION TYPE) / FMA

NT 平面銑刀柄（加長型）



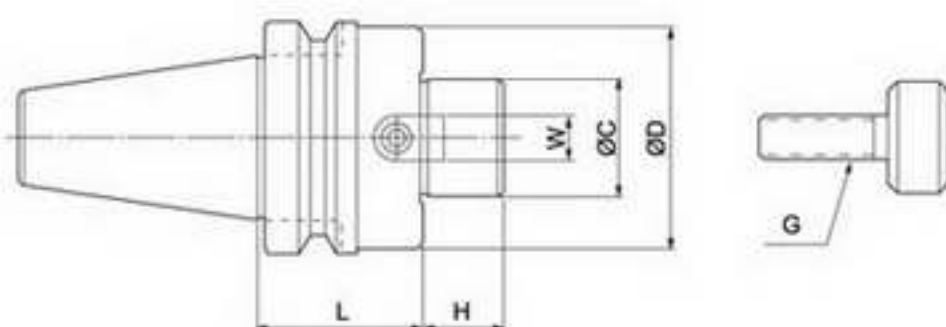
TOOLING SYSTEM

Model No.	Cutter Diameter (mm)	D (mm)	L (mm)	C1 (mm)	C2 (mm)	H (mm)	W (mm)	G (mm)	Weight (kgs)
NT40-FMA25.4-50	76	25.4	50	50	60	20	9.5	M12	1.7
NT40-FMA25.4-75	76	25.4	75	50	60	20	9.5	M12	2.1
NT40-FMA25.4-100	76	31.75	100	50	60	20	12.7	M12	2.4
NT40-FMA31.75-50	100	31.75	50	60	65	20	12.7	M12	1.9
NT40-FMA31.75-75	100	38.1	75	60	65	20	12.7	M12	2.3
NT40-FMA31.75-100	100	38.1	100	60	65	20	15.9	M12	2.6
NT40-FMA38.1-50	125	25.4	50	80	-	28	15.9	M12	2.5
NT40-FMA38.1-100	125	25.4	100	80	-	28	9.5	M16	3.0
NT50-FMA25.4-50	76	25.4	50	50	60	20	9.5	M16	3.5
NT50-FMA25.4-75	76	25.4	75	50	60	20	9.5	M12	4.0
NT50-FMA25.4-100	76	25.4	100	50	60	20	9.5	M12	4.5
NT50-FMA25.4-125	76	25.4	125	50	70	20	9.5	M12	5.2
NT50-FMA25.4-150	76	25.4	150	50	70	20	9.5	M12	5.8
NT50-FMA25.4-200	76	25.4	200	50	70	20	9.5	M12	6.2
NT50-FMA25.4-300	76	25.4	300	50	70	20	9.5	M12	7.5
NT50-FMA31.75-50	100	31.75	50	60	70	20	12.7	M12	3.6
NT50-FMA31.75-75	100	31.75	75	60	70	20	12.7	M12	4.1
NT50-FMA31.75-100	100	31.75	100	60	70	20	12.7	M12	4.6
NT50-FMA31.75-125	100	31.75	125	60	80	20	12.7	M12	5.3
NT50-FMA31.75-150	100	31.75	150	60	80	20	12.7	M12	5.9
NT50-FMA31.75-200	100	31.75	200	60	80	20	12.7	M12	6.3
NT50-FMA31.75-300	100	31.75	300	60	80	20	12.7	M12	7.8
NT50-FMA38.1-50	125	38.1	50	80	-	28	15.9	M16	5.3
NT50-FMA38.1-75	125	38.1	75	80	-	28	15.9	M16	6.3
NT50-FMA38.1-100	125	38.1	100	80	-	28	15.9	M16	7.3
NT50-FMA38.1-150	125	38.1	150	80	-	28	15.9	M16	9.3
NT50-FMA38.1-200	125	38.1	200	80	-	28	15.9	M16	10.3
NT50-FMA50.8-100	150	50.8	100	100	-	28	19.05	M16	7.9
NT50-FMA50.8-150	150	50.8	150	100	-	28	19.05	M16	10.9
NT50-FMA47.625-75	200	47.625	75	128.57	-	33	25.4	-	7.2
NT50-FMA47.625-100	200	47.625	100	128.57	-	33	25.4	-	10.2



BT FACE MILL B TYPE / FMB
BT 平面銑刀柄

刀桿系統



Model No.	ØC (mm)	ØD (mm)	L (mm)	H (mm)	G	W (mm)	Weight (kgs)
BT30-FMB22-45	22	48	45	18	M10x1.5P	10	0.7
BT30-FMB27-45	27	60	45	20	M12x1.75P	12	0.8
BT40-FMB22-45	22	48	45	18	M10x1.5P	10	1.4
BT40-FMB22-90	22	48	90	18	M10x1.5P	10	2.1
BT40-FMB27-45	27	60	45	20	M12x1.75P	12	1.6
BT40-FMB27-90	27	60	90	20	M12x1.75P	12	2.6
BT40-FMB32-45	32	62	45	22	M16x2.0P	14	1.1
BT40-FMB40-60	40	85	60	26	M20x2.5P	16	1.2
BT50-FMB22-45	22	60	45	18	M10x1.5P	10	4
BT50-FMB22-75	22	48	75	18	M10x1.5P	10	4.3
BT50-FMB22-105	22	48	105	18	M10x1.5P	10	5
BT50-FMB22-150	22	48	150	18	M10x1.5P	10	5.8
BT50-FMB27-45	27	70	45	20	M12x1.75P	12	4.1
BT50-FMB27-75	27	60	75	20	M12x1.75P	12	4.7
BT50-FMB27-105	27	60	105	20	M12x1.75P	12	5.5
BT50-FMB27-150	27	60	150	20	M12x1.75P	12	6.7
BT50-FMB32-45	32	75	45	22	M16x2.0P	14	4.2
BT50-FMB32-75	32	80	75	22	M16x2.0P	14	5.3
BT50-FMB32-105	32	80	105	22	M16x2.0P	14	6.3
BT50-FMB32-150	32	80	150	22	M16x2.0P	14	8.3
BT50-FMB40-75	40	85	75	26	M20x2.5P	16	5.9

SK FACE MILL ARBOR / FMB SK 平面銑刀柄

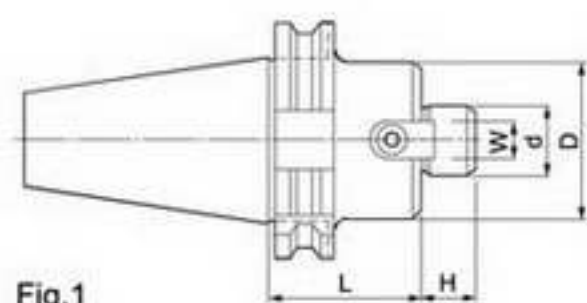


Fig.1

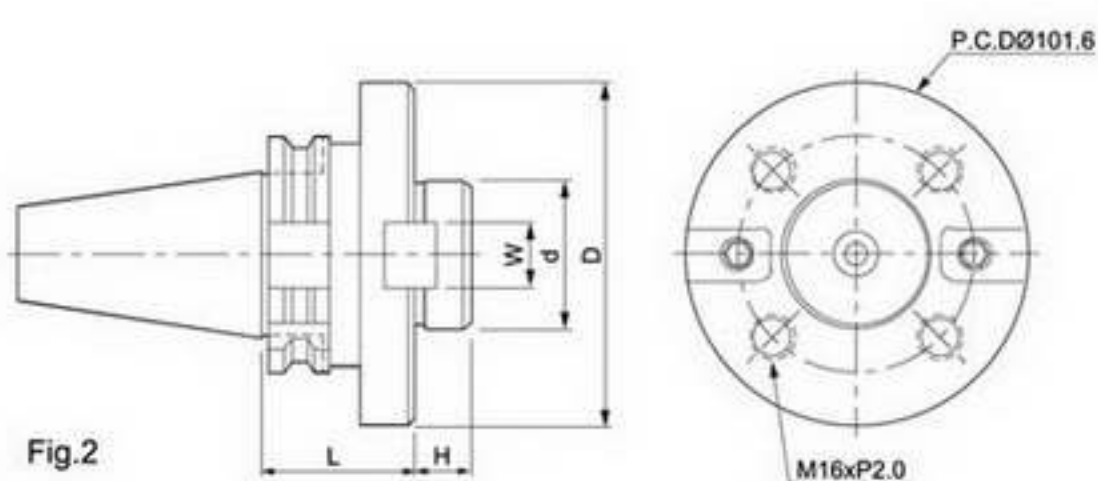
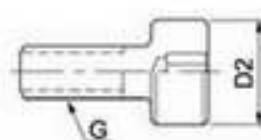
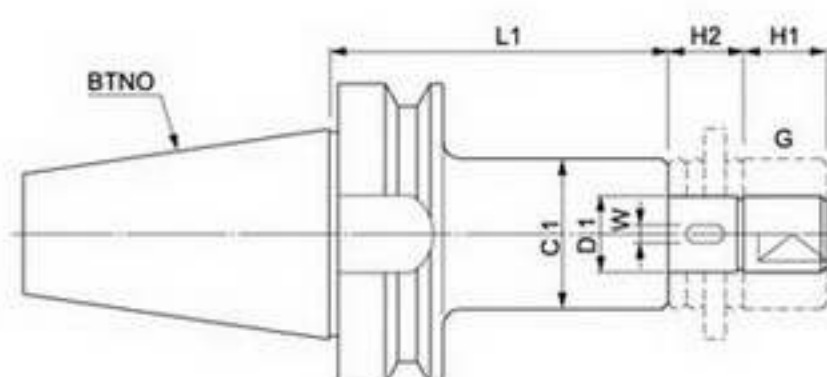


Fig.2



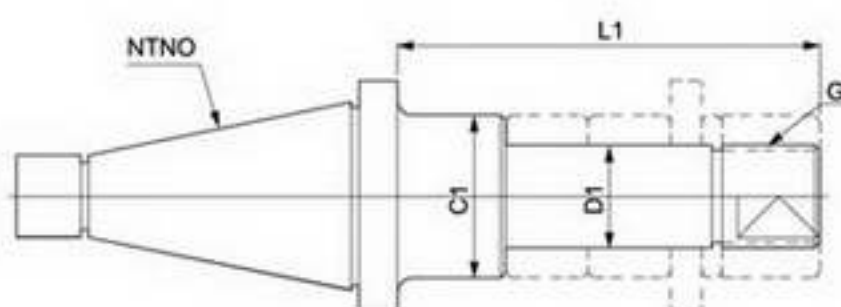
Model No.	Fig	Ød (mm)	L (mm)	H (mm)	G	W (mm)	ØD (mm)	Weight (kgs)
SK40-FMB22-40	1	22	40	18	M10	10	45	1.2
SK40-FMB27-55	1	27	55	20	M12	12	55	1.6
SK40-FMB32-60	1	32	60	21	M16	14	60	1.9
SK40-FMB40-60	1	40	60	23	M16	15.9	78	2.9
SK50-FMB22-40	1	22	40	18	M10	10	45	3.4
SK50-FMB27-40	1	27	40	20	M12	12	60	3.5
SK50-FMB32-60	1	32	60	21	M16	14	70	3.7
SK50-FMB40-60	1	40	60	23	M16	16	80	4.7

BT SIDE CUTTER ARBOR / SCA
BT 側銑刀架



Model No.	ØD1 (mm)	ØC1 (mm)	W (mm)	L1 (mm)	H2 (mm)	H1 (mm)	Weight (kgs)
BT40-SCA25.4-75	25.4	40	6.35	75	25	28	1.7
BT40-SCA25.4-120	25.4	40	6.35	120	25	28	2.3
BT40-SCA25.4-150	25.4	40	6.35	150	25	28	-
BT40-SCA25.4-180	25.4	40	6.35	180	25	28	4.7
BT50-SCA25.4-90	25.4	40	6.35	90	25	28	5.1
BT50-SCA25.4-135	25.4	40	6.35	135	25	28	-
BT50-SCA25.4-150	25.4	40	6.35	150	25	28	-
BT50-SCA25.4-180	25.4	40	6.35	180	25	28	-

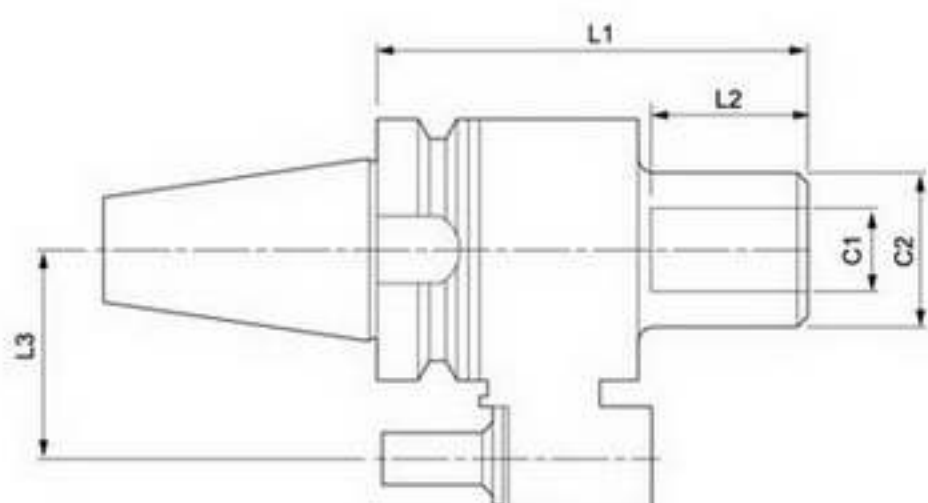
NT SIDE CUTTER ARBOR / SCA
NT 側銑刀架



Model No.	ØD1 (mm)	ØC1 (mm)	G	L1 (mm)
NT30-SCA3"	25.4	40	1" x W16	3", 4", 5", 6"
NT40-SCA3"	25.4	40	1" x W16	3", 4", 5", 6", 7", 8"
NT50-SCA3"	25.4	40	1" x W16	3", 4", 5", 6", 7", 8"

OSL OIL - FEED HOLDER

OSL 油路刀把

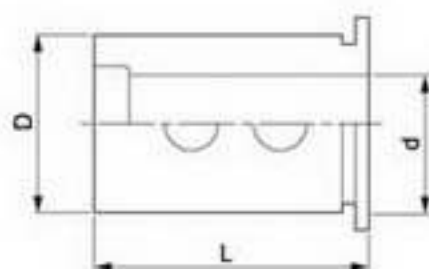


TOOLING SYSTEM

Model No.	C1 (mm)	C2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kgs)
BT40-OSL16-165	16	48	165	48	65	3.8
BT40-OSL20-165	20	48	165	50	65	3.8
BT40-OSL25-165	25	48	165	56	65	4
BT40-OSL32-165	32	50	165	60	65	4.1
BT50-OSL16-165	16	48	165	48	80	7.1
BT50-OSL20-165	20	50	165	50	80	7.2
BT50-OSL25-165	25	58	165	56	80	7.5
BT50-OSL32-165	32	59	165	60	80	7.6
BT50-OSL40-170	40	59	170	70	80	7.8
BT50-OER32-165	10-20	50	165	-	80	7.72

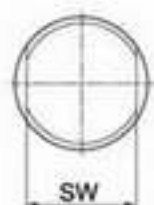
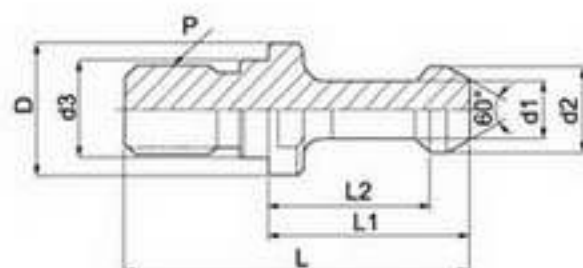
OSL STRAIGHT SLEEVES

OSL 套筒



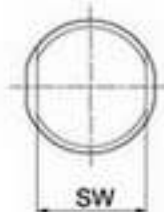
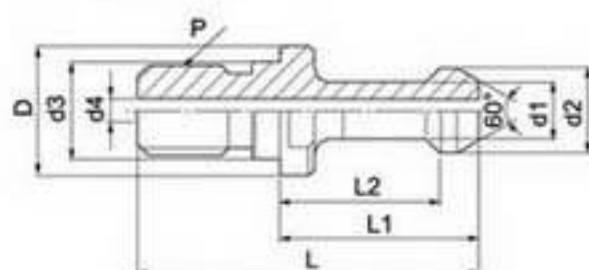
Model No.	D (mm)	d (mm)	L (mm)	N.W. (kg)
OSL32-16	32	16	60	0.5
OSL32-20	32	20	60	0.4
OSL32-25	32	25	60	0.3
OSL40-16	40	16	65	0.9
OSL40-20	40	20	65	0.8
OSL40-25	40	25	65	0.6
OSL40-32	40	32	65	0.5

BT PULL STUD
BT 拉桿/拉頭



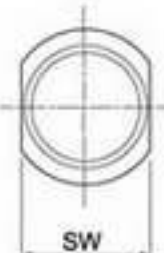
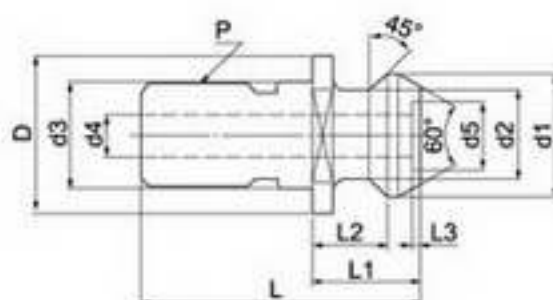
Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	L (mm)	L1 (mm)	L2 (mm)	SW (mm)	P	Package	Weight (kgs)
BT30-45°	16.5	7	11	12.5	43	23	18	13	M12 x 1.75	50/100 pcs	0.04
BT30-60°	16.5	7	11	12.5	43	23	18	13	M12 x 1.75	50/100 pcs	0.04
BT30-90°	16.5	7	11	12.5	43	23	18	13	M12 x 1.75	50/100 pcs	0.04
BT40-45°	23	10	15	17	60	35	28	19	M16 x 2.0	50/100 pcs	0.11
BT40-60°	23	10	15	17	60	35	28	19	M16 x 2.0	50/100 pcs	0.1
BT40-90°	23	10	15	17	60	35	28	19	M16 x 2.0	50/100 pcs	0.1
BT50-45°	38	17	23	25	85	45	35	30	M24 x 3.0	25/50 pcs	0.3
BT50-60°	38	17	23	25	85	45	35	30	M24 x 3.0	25/50 pcs	0.3
BT50-90°	38	17	23	25	85	45	35	30	M24 x 3.0	25/50 pcs	0.3

BT PULL STUD-CTS (COOLANT THROUGH SPINDLE)
BT 拉桿/拉頭-中心出水



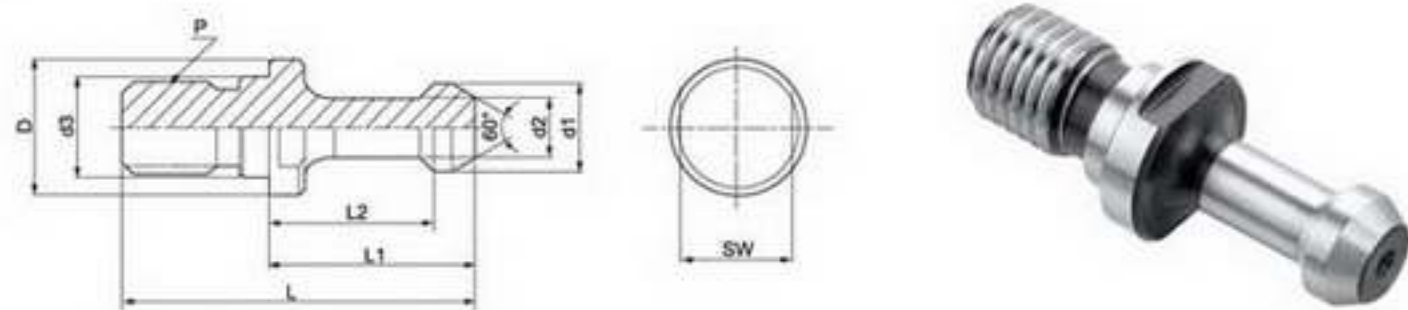
Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	L (mm)	L1 (mm)	L2 (mm)	SW (mm)	P	Package	Weight (kgs)
BT30-45° (2x3)	16.5	7	11	12.5	2 x 3	43	23	18	13	M12 x 1.75	50/100 pcs	0.03
BT30-60° (2x3)	16.5	7	11	12.5	2 x 3	43	23	18	13	M12 x 1.75	50/100 pcs	0.03
BT40-45° (4)	23	10	15	17	4	60	35	28	19	M16 x 2.0	50/100 pcs	0.08
BT40-60° (4)	23	10	15	17	4	60	35	28	19	M16 x 2.0	50/100 pcs	0.08
BT40-90° (4)	23	10	15	17	4	60	35	28	19	M16 x 2.0	50/100 pcs	0.08
BT40-45° (5)	23	10	15	17	5	60	35	28	19	M16 x 2.0	50/100 pcs	0.08
BT40-60° (5)	23	10	15	17	5	60	35	28	19	M16 x 2.0	50/100 pcs	0.08
BT50-45° (7)	38	17	23	25	7	85	45	35	30	M24 x 3.0	25/50 pcs	0.28
BT50-60° (7)	38	17	23	25	7	85	45	35	30	M24 x 3.0	25/50 pcs	0.28
BT50-90° (7)	38	17	23	25	7	85	45	35	30	M24 x 3.0	25/50 pcs	0.28

MAZAK PULL STUD
MAZAK 拉桿/拉頭



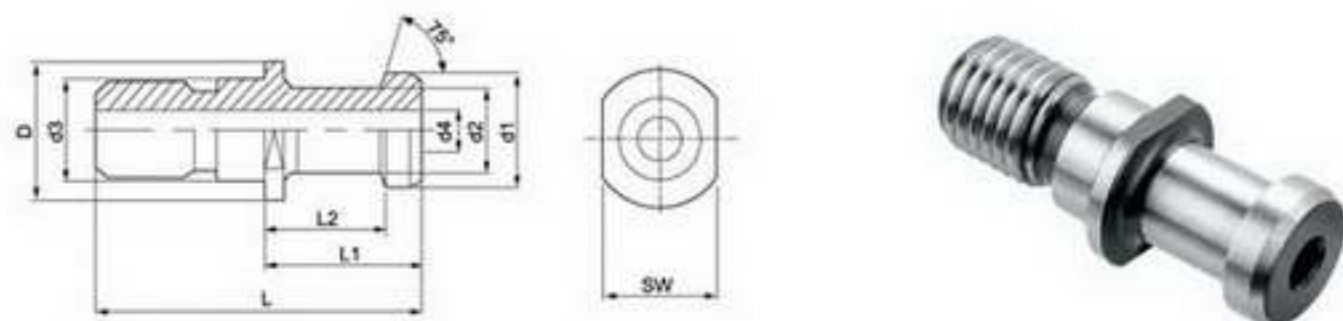
Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	SW (mm)	P	Package	Weight (kgs)
MAZAK-BT40	22	18.8	12.45	17	7	-	44.1	19.1	14	-	19	M16 x 2.0	50 pcs	0.5
MAZAK-BT50	37	28.95	20.83	25	10	16	65.2	25.2	17.58	1.8	30	M24 x 3.0	25 pcs	0.19
MAZAK-CAT40	22	18.8	12.45	17	7	-	41.1	16.1	11	-	19	M16 x 2.0	50 pcs	0.5
MAZAK-CAT50	-	-	-	-	-	-	-	-	-	-	-	-	25 pcs	0.19

BT PULL STUD 強化 BT 拉桿/拉頭



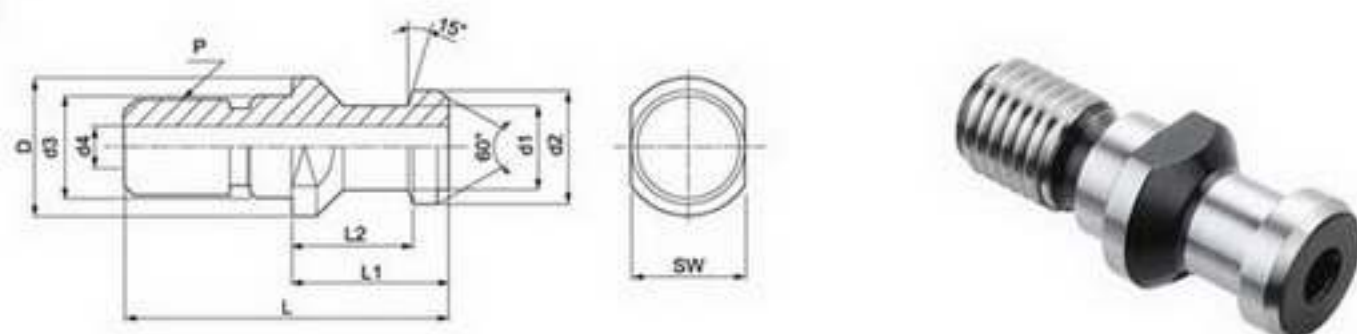
Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	L (mm)	L1 (mm)	L2 (mm)	SW (mm)	P	Package	Weight (kgs)
BT30-45° S	16.5	7	11	12.5	43	23	18	13	M12 x 1.75	50 pcs	0.03
BT30-60° S	16.5	7	11	12.5	43	23	18	13	M12 x 1.75	50 pcs	0.03
BT40-45° S	23	10	15	17	60	35	28	19	M16 x 2.0	50 pcs	0.07
BT40-60° S	23	10	15	17	60	35	28	19	M16 x 2.0	50 pcs	0.07

ISO PULL STUD ISO 拉桿/拉頭



Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	L (mm)	L1 (mm)	L2 (mm)	SW (mm)	P	Package	Weight (kgs)
ISO40-A	23	19	14	17	7	54	26	20	19	M16 x 2.0	50/100 pcs	0.07
ISO50-A	36	28	21	25	11.5	74	34	25	30	M24 x 3.0	25/50 pcs	0.2
ISO40-B	22.5	18.95	12.95	17	7.35	44.5	16.4	11.15	19	M16 x 2.0	50/100 pcs	0.05
ISO50-B	37	29.1	19.6	25	11.5	65.5	25.5	17.95	30	M24 x 3.0	25/50 pcs	0.18

DIN PULL STUD DIN 拉桿/拉頭



Model No.	D (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	SW (mm)	P	Package	Weight (kgs)
DIN30-A	17	13	9	13	-	44	24	19	-	-	14	M12 x 1.75	50/100 pcs	0.04
DIN40-A	23	19	14	17	7	54	26	20	-	-	19	M16 x 2.0	50/100 pcs	0.07
DIN40-A-L	23	19	14	17	7	54	29	23	-	-	19	M16 x 2.0	50/100 pcs	0.07
DIN30-B	17	13	9	13	-	44	24	19	-	-	14	M12 x 1.75	50/100 pcs	0.04
DIN40-B	23	19	14	17	7	54	26	20	27	3	19	M16 x 2.0	50/100 pcs	0.08
DIN40-B-L	23	19	14	17	7	54	29	23	27	3	19	M16 x 2.0	50/100 pcs	0.08