



YUNG I
SINCE 1962®

永鑑機械五金

MACHINERY & HARDWARES
ACCESSORIES FOR MACHINE TOOL





YUNG I
SINCE 1962®

永鎰機械企業有限公司

永鎰機械成立於 1962 年、早期以生產、維修重機械零件為主，歷經多年的經營，目前在台灣重機械產業，以銅套和斗肖為市佔率第一的品牌。

2004 年基於市場需求及業務成長，成立五金機械部，專業生產以銷售出口台灣製的五金機械配件到世界各國為導向，對全球提供高品質、價格實在的台灣精品為目標。此外為了貼近消費者、滿足顧客的需求，以在地服務的精神，在印尼雅加達設立銷售服務據點，目前為印尼市場的台灣機械五金配件的第一品牌。

YUNG I Machine Enterprise Co., Ltd. was established in Taichung City, Taiwan since 1962. In early stage, we produced heavy machinery parts and offered repaired service. We have achieved the high market share of bushings and pins in heavy machinery industry by continuous efforts.

Furthermore, we established the mechanical hardware department owing to the increasing business and market demands in 2004. We specialize in manufacturing various hardwares and accessory of machine tools. We make our business export oriented to provide high quality and good price of Made-In-Taiwan products to the worldwide.

To supply fast, accurate and quality service per customer's demands, we have set up sales office at LTC (Glodok) in Jakarta, Indonesia. Based on the concept of customer first, our Taiwan-made machinery hardwares have already become the benchmark in Indonesia.



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Drill / End Mill / Tap



				
A.01 - A.03	A.03 - A.05	A.05	A.05	A.05

Collect / Holder / Accessory

					
B.01	B.01	B.01	B.02	B.02	B.03
					
B.03	B.03	B.03	B.04	B.04	B.05
					
B.05	B.06	B.07 - B.12	B.13 - B.15	B.15 - B.16	B.16 - B.17
					
B.17	B.18	B.18	B.19	B.20	B.21
					
B.22	B.22	B.22	B.23	B.24	B.24
					
B.24	B.25	B.25	B.25	B.26	B.26
					
B.26	B.26				

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YUNG I
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Vise / Clamping Kit

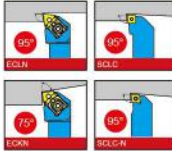
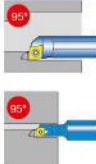
					
C.01	C.01 - C.02	C.02	C.03 - C.05	C.05	C.06
					
C.06 - C.07	C.08 - C.09				

Chuck

Strong AUTO

					
D.01	D.01	D.02	D.02	D.02	D.02
					
D.02					

Cutting Tools

				
E.01	E.02 - E.05	E.06 - E.07	E.08	E.08

Lathe / Center

				
F.01	F.02	F.02	F.03	F.04

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YUNG I
SINCE 1962®

Grinding Tools / Drilling Machine / Soft Jaw / Hard Jaw / Tapping Machine

					
G.01	G.01	G.01	G.02	G.02	G.02
					
G.02	G.03	G.04	G.05 - G.06	G.07	G.08
					
G.08	G.08	G.09 - G.10	G.11	G.11	G.12

Magnetic Tools

					
H.01	H.02	H.02	H.03	H.04	H.04

Welding Edge-cutters Series

					
I.01	I.01	I.02	I.02	I.03	I.03
					
I.03	I.04	I.04	I.04		



高速鋼鑽頭 HSS Drills

D-101	直柄麻花鑽頭 (鑽頭組) Straight Shank Twist Drills	
B-102	圓鑽 Drill Blanks	
N-103	諾氏鑽頭 Noss Drills	
T-104	斜柄鑽頭 Taper Shank Twist Drills	
L-1210 ~ 1230	直柄長鑽頭 Straight Shank Twist Long Drills	
DS-105	高速短刃鑽頭 High Speed Stub Drills	
DS-106	覆TiAlN高速短刃鑽頭 TiAlN High Speed Stub Drills	
G-112	深孔用 - 強力型直柄鑽頭 Conical Fluted Straight Shank Twist Drills	
K-1310 ~ 1330	深孔用 - 強力型直柄長鑽頭 Conical Fluted Straight Shank Twist Long Drills	
U-111	不銹鋼用 - 直柄高鈷鑽頭 Cobalt HSS Straight Shank Twist Drills For Stainless Steel	
I-113	氮化鈦 - 直柄麻花鑽頭 TiN Coated Straight Shank Twist Drills	
Q-114	鋁用 - 直柄鑽頭 Straight Shank Twist Drills For Aluminum	
M-118 / 119	沉頭鑽頭 Sink & Step Drills For Screw Thread	



P-115 / 116	NC定點鑽頭 NC Spotting Drills	
TP-152	鋼構用斜柄鑽頭 Taper Shank Drills For Iron Frames	
2T71	斜柄高鈷鑽頭 Taper Shank HSS Cobalt Drills	
2N71	諾氏高鈷鑽頭 Noss HSS Cobalt Drills	
LD-154 / 155	左旋鑽頭短刃型 / 長刃型 Left Hand Helix Straight Shank HSE Twist Drills stub & Long Flute	

鎢鋼鑽頭 Solid Carbide Drills

WD-1711	銑刀柄鎢鋼高速鑽頭 End Mill Shank-Solid Carbide High Speed Drills	
WD-1721	TiAlN鎢鋼直柄短刃鑽頭 DIN 1897 TiAlN Solid Carbide Stub Drills DIN 1897	
WD-1722	鎢鋼直柄短刃鑽頭 DIN 1897 Solid Carbide Stub Drills DIN 1897	
WD-1731	TiAlN鎢鋼直柄鑽頭 DIN 338 TiAlN Solid Carbide Straight Shank Drills DIN 338	
WD-1732	鎢鋼直柄鑽頭 DIN 338 Solid Carbide Straight Shank Drills DIN 338	
WP-1751 / 1761	TiAlN鎢鋼NC定點鑽頭 TiAlN Solid Carbide NC Spotting Drills	
WP-1752 / 1762	鎢鋼NC定點鑽頭 Solid Carbide NC Spotting Drills	



高鈷端銑刀 HSE End Mills

EM-4141 / 4143	高鈷端銑刀 - 標準2刃、長2刃型 HSE End Mills - Standard 2 & Long 2 Flutes	
EM-4142 / 4144	高鈷端銑刀 - 標準4刃、長4刃型 HSE End Mills - Standard 4 & Long 4 Flutes	
EM-4145 / 4147	高鈷端銑刀 - 覆TiCN標準2刃、長2刃型 HSE End Mills-TiCN Coated Standard 2 & Long 2 Flutes	
EM-4146 / 4148	高鈷端銑刀 - 覆TiCN標準4刃、長4刃型 HSE End Mills-TiCN Coated Standard 4 & Long 4 Flutes	
EM-4141 / 4142	高鈷端銑刀 - 標準2刃型、4刃型 (英制) HSE End Mills-Standard 2 Flutes & 4 Flutes (Inch)	
EM-4145 / 4146	高鈷端銑刀 - 覆TiCN標準2刃型、4刃型 (英制) HSE End Mills-TiCN Coated Standard 2 Flutes & 4 Flutes (Inch)	





鎢鋼立銑刀 Solid Carbide End Mills

WE-4201	極細微粒碳化鎢立銑刀 (2刃) Micro Grain Carbide End Mills (2 Flutes)	
WE-4301	極細微粒碳化鎢立銑刀 (3刃) Micro Grain Carbide End Mills (3 Flutes)	
WE-4401	極細微粒碳化鎢立銑刀 (4刃) Micro Grain Carbide End Mills (4 Flutes)	
WE-4202	極細微粒碳化鎢長刃立銑刀 (2刃) Micro Grain Carbide Long Flute End Mills (2 Flutes)	
WE-4402	極細微粒碳化鎢長刃立銑刀 (4刃) Micro Grain Carbide Long Flute End Mills (4 Flutes)	
WE-4221	極細微粒碳化鎢圓鼻立銑刀 (2刃) Micro Grain Carbide Corner-Radius End Mills (2 Flutes)	
WE-4421	極細微粒碳化鎢圓鼻立銑刀 (4刃) Micro Grain Carbide Corner-Radius End Mills (4 Flutes)	
WE-4211	極細微粒碳化鎢球型立銑刀 (2刃) Micro Grain Carbide Ball Nosed End Mills (2 Flutes)	
WE-4231	極細微粒碳化鎢鋁合金用立銑刀 (2刃) Micro Grain Carbide For Aluminum Alloy Processing End Mills (2 Flutes)	
WE-4331	極細微粒碳化鎢鋁合金用立銑刀 (3刃) Micro Grain Carbide For Aluminum Alloy Processing End Mills (3 Flutes)	

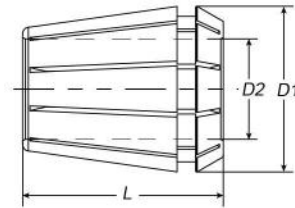


絲攻系列 Taps Series

FTL-82435	TiCN粉末擠壓絲攻 - 長牙 TiCN Coated ASP Forming Taps-Long Thread	
FTL-82334	TiN擠壓絲攻 - 長牙 TiN Coated Forming Taps-Long Thread	
FT-82314	TiN擠壓絲攻 TiN Coated Forming Taps	
NT-83354	TiN螺帽絲攻 (一般黑鐵用) TiN Nut Taps	
NTS-83574	TCON螺帽絲攻 (白鐵用) TCON Nut Taps (For stainless)	
POT-81311	TiN先端絲攻 TiN Spiral Point Taps	
SFT-80311	TiN螺旋絲攻 TiN Spiral Flute Taps	
POT-81211	染黑先端絲攻 Spiral Point Taps	
SFT-80211	染黑螺旋絲攻 Spiral Flute Taps	



ER彈性筒夾 ER Collet



unit : mm

Model No.	D1	L	D2
ER-8	8.5	13.5	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5
ER-11	11.5	18	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7
ER-16	17	27	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 10
ER-20	21	31	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 10, 10.5, 11, 11.5, 12, 12.5, 13
ER-25	26	35	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
ER-32	33	40	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ER-40	41	46	3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26
ER-50	52	60	12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34

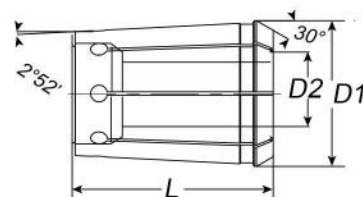
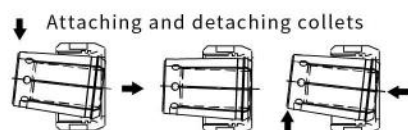
ER彈性筒夾組 ER Collet Sets

unit : mm



Item	Model No.	Specification	PCS / SET
ER-11	ER11-07Pcs	1, 2, 3, 4, 5, 6, 7	7 PCS/SET
	ER11-13Pcs	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	13 PCS/SET
ER-16	ER16-08Pcs	3, 4, 5, 6, 7, 8, 9, 10	8 PCS/SET
	ER16-10Pcs	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	10 PCS/SET
ER-20	ER20-10Pcs	4, 5, 6, 7, 8, 9, 10, 11, 12, 13	10 PCS/SET
	ER20-12Pcs	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	12 PCS/SET
ER-25	ER25-7Pcs	4, 6, 8, 10, 12, 14, 16	7 PCS/SET
	ER25-15Pcs	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	15 PCS/SET
ER-32	ER32-06Pcs	6, 8, 10, 12, 16, 20	6 PCS/SET
	ER32-11Pcs	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20	11 PCS/SET
	ER32-18Pcs	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	18 PCS/SET
ER-40	ER40-07Pcs	6, 8, 10, 12, 16, 20, 25	7 PCS/SET
	ER40-15Pcs	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26	15 PCS/SET
	ER40-23Pcs	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	23 PCS/SET

OZ重切削筒夾 OZ Collet



unit : mm

Model No.	D1	L	D2
OZ25	35	52	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
OZ32	44	60	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

OZ重切削筒夾組 OZ Collet Sets

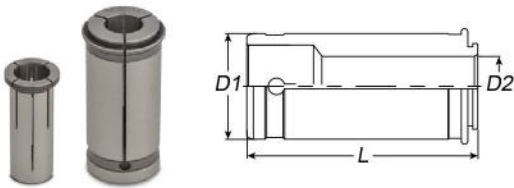
unit : mm



Item	Model No.	Specification	PCS / SET
OZ25	OZ25-07PCS	6, 8, 10, 12, 16, 20, 25	7 PCS/SET
	OZ25-15PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25	15 PCS/SET
OZ32	OZ32-08PCS	6, 8, 10, 12, 16, 20, 25, 32	8 PCS/SET
	OZ32-15PCS	6, 8, 10, 12, 13, 14, 15, 16, 18, 20, 22, 25, 26, 30	15 PCS/SET

直筒夾 Straight Collet

unit : mm



Model No.	D1	D2	L
C12	12	3, 4, 5, 6, 7, 8, 9, 10	40
C16	16	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	42
C20	20	4, 6, 8, 10, 12, 14, 16	52
C25	25	6, 8, 10, 12, 16, 20	63
C32-Metric	32	6, 8, 10, 12, 16, 20, 25	71
C32-Inch	32	1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1"	71
C42	42	6, 8, 10, 12, 16, 20, 25, 32	71

直筒夾組 Straight Collet Sets

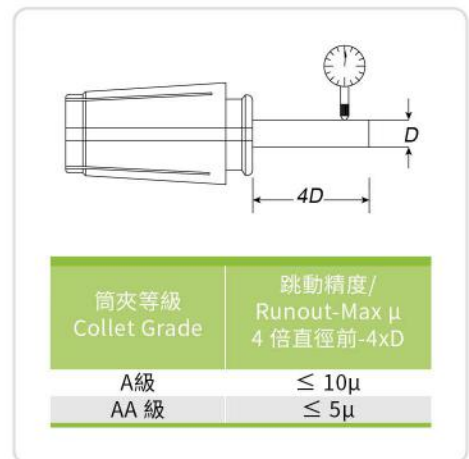
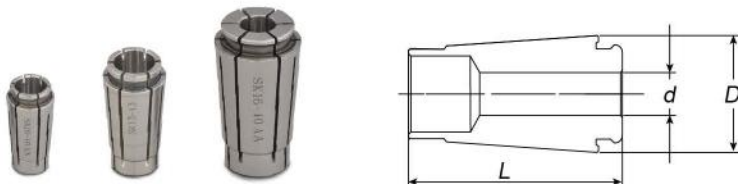
unit : mm



Model No.	Specification
C12 6 Pcs	3, 4, 5, 6, 8, 10
C16 6 Pcs	3, 4, 6, 8, 10, 12
C20 6 Pcs	6, 8, 10, 12, 14, 16
C25 6 Pcs	6, 8, 10, 12, 16, 20
C32 7 Pcs-Metric	6, 8, 10, 12, 16, 20, 25
C32 7 Pcs-Inch	1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1"
C42 8 Pcs	6, 8, 10, 12, 16, 20, 25, 32

SK精密筒夾 SK High Speed Collet

- * When ordering, please specify the collet grade with A or AA.
For example:
SK10-06 AA or SK10E-04 AA / SK10-8PCS AA or SK10E-6PCS AA
- * The clamping range is 0.25mm if the inside diameter is less than 3mm;
clamping range is 0.5mm if the inside diameter is over than 3mm.
- * 請於訂購時註明 A 級或 AA 級，例：
SK10-06 AA or SK10E-04 AA / SK1;SK10- 8PCS AA or SK10E-6PCS AA
- * 筒夾的孔徑小於 3mm，其夾持範圍為 0.25mm；若大於 3mm 則為 0.5mm



筒夾等級 Collet Grade	跳動精度/ Runout-Max μ 4 倍直徑前-4xD
A 級	$\leq 10\mu$
AA 級	$\leq 5\mu$

unit : mm

Model No.	$\varnothing d$	$\varnothing D$	L
SK06	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6	10.4	25
SK10	2, 2.5, 3, 3.175, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	15.6	31
SK13	2, 2.5, 3, 3.175, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	10.4	25
SK16	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16	24.6	45
SK20	3, 4, 5, 6, 8, 10, 12, 16, 20	29.1	54.2
SK25	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 25, 25.4	35.7	57

SK精密筒夾組 SK High Speed Collet Sets

unit : mm

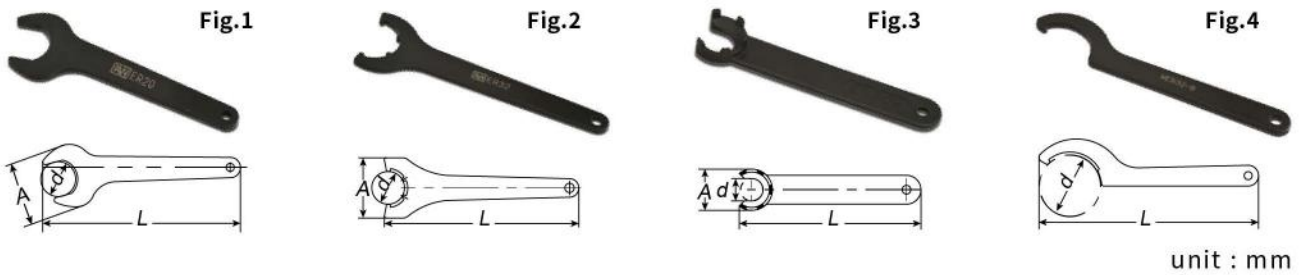


Model No.	Specification	Weight(kg)
SK10-8PCS	3, 4, 5, 6, 7, 8, 9, 10	0.40
SK13-7PCS	3, 4, 5, 6, 8, 10, 12	0.80
SK16-7PCS	3, 4, 6, 8, 10, 12, 16	1.00
SK25-7PCS	6, 8, 10, 12, 16, 20, 25	2.10

- * SK COLLET SET FOR END MILL upon your request.
- * 如需SK立銑刀專用筒夾組，可另詢。



ER扳手 ER Wrench & ER Bearing C-Type Wrench



	Model No.	Fig.	A	C	Collet Type
普通扳手 STANDARD WRENCH	ER16-WRENCH	1	45	25	ER16
	ER20-WRENCH	1	54	30	ER20
	ER25-WRENCH	2	65	37	ER25
	ER32-WRENCH	2	75	46.5	ER32
	ER40-WRENCH	2	80	58	ER40
	ER50-WRENCH	2	110	-	ER50
M型扳手 M-TYPE WRENCH	ER8M-WRENCH	3	13	-	ER8
	ER11M-WRENCH	3	17	8.5	ER11
	ER16M-WRENCH	3	22.5	12.5	ER16
	ER20M-WRENCH	3	28.5	15.5	ER20
	Model No.	Fig.	D		Collet Type
鋼珠扳手 BEARING WRENCH	ER16B-WRENCH	4	32		ER16
	ER20B-WRENCH	4	36		ER20
	ER25B-WRENCH	4	43		ER25
	ER32B-WRENCH	4	51		ER32
	ER40B-WRENCH	4	63		ER40

C型扳手 C-Type Wrench



Model No.	D1	Collet Type
C16-WRENCH	46	C16
C20-WRENCH	53	C20
C25-WRENCH	55	C25
C32-WRENCH	68	C32 (BT30 / BT40)
C42-WRENCH	76	C42 (BT50-C32 / C42)

OZ扳手 OZ Wrench



Model No.	D1	Collet Type
OZ25-WRENCH	60	OZ25
OZ32-WRENCH	78	OZ32

OZ螺帽 OZ Nut



Model No.	C	D1	G	Collet Type
OZ32-Nut	30	60	M48 x 2	OZ25
OZ25-Nut	33	78	M60 x 2.5	OZ32

ERA螺帽、扳手 ERA Nut & Wrench

Fig.1



Fig.2



Model No.	L	G	Collet Type	Fig.
ERA11-NUT	6	M18 x 1P	ER11	1
ERA16-NUT	8	M24 x 1P	ER16	1
ERA20-NUT	11	M28 x 1.5P	ER20	1
ERA25-NUT	12.5	M32 x 1.5P	ER25	1
ERA32-NUT	14	M40 x 1.5P	ER32	1
Model No.				Fig.
ERA11-WRENCH	WRENCH for ERA11 TOOL HOLDER			2
ERA16-WRENCH	WRENCH for ERA16 TOOL HOLDER			2
ERA20-WRENCH	WRENCH for ERA20 TOOL HOLDER			2
ERA25-WRENCH	WRENCH for ERA25 TOOL HOLDER			2
ERA32-WRENCH	WRENCH for ERA32 TOOL HOLDER			2

ER螺帽 & 鋼珠螺帽 ER Clamping Nut & Bearing Nut



Fig.1

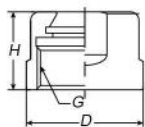


Fig.2

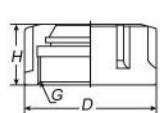


Fig.3

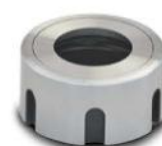
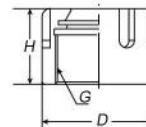
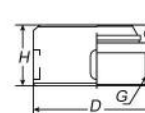


Fig.4



unit : mm

Model No.	Model No.	Fig.	D	H	G	Collet Type
普通螺帽 Standard Nut	ER11-Nut	1	19	13	M14 x P0.75	ER11
	ER16-Nut	1	28	17.5	M22 x P1.5	ER16
	ER20-Nut	1	34	19	M25 x P1.5	ER20
	ER25-Nut	2	42	20	M32 x P1.5	ER25
	ER32-Nut	2	50	22.5	M40 x P1.5	ER32
	ER40-Nut	2	63	29	M50 x P1.5	ER40
M型螺帽 M-Type Nut	ER50-Nut	2	78	35	M64 x P2.0	ER50
	ER8M-Nut	3	12	10.8	M10 x P0.75	ER8
	ER11M-Nut	3	16	12	M13 x P0.75	ER11
	ER16M-Nut	3	22	18	M19 x P1.0	ER16
	ER20M-Nut	3	28	19	M24 x P1.0	ER20
鋼珠螺帽 Bearing Nut	ER16B-Nut	4	32	19	M22 x P1.5	ER16
	ER20B-Nut	4	36	21	M25 x P1.5	ER20
	ER25B-Nut	4	43	2	M32 x P1.5	ER25
	ER32B-Nut	4	51	24	M40 x P1.5	ER32
	ER40B-Nut	4	63	29	M50 x P1.5	ER40

SK扳手 SK Wrench



unit : mm

	Model No.	D	Weight (kg)
扳手 Wrench	WSK06	19.05	0.30
	WSK10	27	0.50
	WSK13	33	0.65
	WSK16	40	0.80
	WSK20	48	0.80
	WSK25	54	0.85



Fig.1

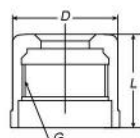


Fig.2

unit : mm

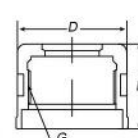
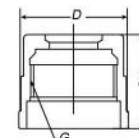
	Model No.	Fig.	D	Weight (kg)
C型扳手 C-Type Wrench	WSK06C	1	19	0.08
	WSK10C	1	25	0.12
	WSK13C	2	33	0.18
	WSK16C	2	40	0.20
	WSK20C	2	48	0.22
	WSK25C	2	54	0.25

SK螺帽 SK Nut



unit : mm

	Model No.	D	L	G	Weight(kg)
普通螺帽 Standard Nut	SK06-NUT	19.05	21	M15 x 1.0P	0.02
	SK10-NUT	27	24	M22 x 1.0P	0.04
	SK13-NUT	33	27	M27 x 1.0P	0.08
	SK16-NUT	40	31	M32 x 1.5P	0.11
	SK20-NUT	48	30	M40 x 1.0P	0.14
	SK25-NUT	54	37	M45 x 1.5P	0.23



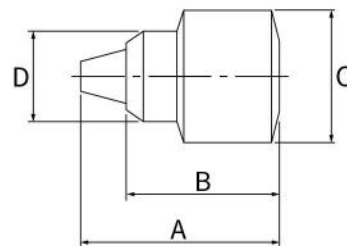
unit : mm

	Model No.	D	L	G	Weight(kg)
C型螺帽 C-Type Nut	SK06C-NUT	19.05	21	M15 x 1.0P	0.02
	SK10C-NUT	27	24	M22 x 1.0P	0.04
	SK13C-NUT	33	27	M27 x 1.0P	0.08
	SK16C-NUT	40	31	M32 x 1.5P	0.11
	SK20C-NUT	48	30	M40 x 1.0P	0.15
	SK25C-NUT	54	37	M45 x 1.5P	0.18



手動鑽夾頭 Key Type Drill Chuck

- * Applicable to heavy load work.
- * Applicable to milling machines, lathes, drilling machines and wood working equipment.



H Type Drill Chuck

Size	Max Clamping capacity (mm)	Max Clamping capacity (inch)	Tail taper / joint screw thread	A	B	C (Ø)	D (Ø)	Unit net Weight (g)	Number in one box
4H	0.5-4	1/64"-5/32"	JT0	35	29	22	15	16	200
5H	0.5-6 (special 0.5-5)	1/64"-5/21"	JTD (5D)	44	34	27.5	18	78	100
6H	0.5-6.5	1/64"-1/4"	JT1, B10	50	41	32	21	105	100
10H	1-10	1/32"-3/8"	JT2S, B12, JT1, 3/8"-24, 1/2"-20	63	51	38	26	196	100
13H	1-13	1/32"-1/2"	JT2S, JT33, JT6, B16, 1/2"-20	80	65	47	32	439	50
16H	1-16	1/32"-5/8"	JT6, JT3, B16, B18	98	79	58	41	824	36
19H	3-19	1/8"-3/4"	B22, JT3	111	86.2	67	50	1402	20
20H	3-20	1/8"-4/5"	B22	112	86.2	67	50	1608	20

XH Type Drill Chuck

Size	Max Clamping capacity (mm)	Max Clamping capacity (inch)	Tail taper / joint screw thread	A	B	C (Ø)	D (Ø)	Unit net Weight (g)	Number in one box
6XH	0.5-6.5	1/64"-1/4"	JT1, B10	55	45	34.5	25	167	100
13XH	1-13	1/32"-1/2"	JT33, JTB, B16	88	70.5	53	39	647	36
19XH	1-19	1/32"-3/4"	JT4	122	95	69.5	50	1608	20

自動鑽夾頭 Keyless Type W / Titanium Jaws Drill Chuck

十分高精密之設計，適用於 CNC 及綜合切削機。所有構成部份皆經過電鍍及表面熱處理且在嚴格品質管制控制之下。

夾爪採用高科技的鈦合金鍍膜，可使夾爪更耐磨耐用及確保精度。

Extremely high accuracy and precision design, suitable for CNC machines and machine center. All parts are ground, heat treated, surface treated and under specific QC condition.

The clamping three jaws adopt high tech Titanium.

The benefit of adopting Titanium is to increase the intensity and wear-resistance.



S Type (Special Heavy Duty Model)

Size	Capacity		Taper Mount No DIN or Jacobs	Length (mm)		Outer Dia (mm)	Weight (g)
	mm	inch		Open	Closed		
6S	0.3-6.5	1/64-1/4	JT1	62	68	33	300
6S	0.3-6.5	1/64-1/4	B10	62	68	33	300
8S	0.3-8	1/64-5/16	JT1	70	77	38	425
8S	0.3-8	1/64-5/16	JT2S	70	77	38	425
8S	0.3-8	1/64-5/16	B10	70	77	38	425
8S	0.3-8	1/64-5/16	B12	70	77	38	425
10S	0.3-10	1/64-3/8	JT2S	80	91	43	625
10S	0.3-10	1/64-3/8	JT33	80	91	43	625
10S	0.3-10	1/64-3/8	B10	80	91	43	625
10S	0.3-10	1/64-3/8	B12	80	91	43	625
10S	0.3-10	1/64-3/8	JT2	80	91	43	625
10S	0.3-10	1/64-3/8	B16	80	91	43	625
13S	0.3-13	1/64-1/2	JT2	90	102	50	1000
13S	0.3-13	1/64-1/2	JT33	90	102	50	1000
13S	0.3-13	1/64-1/2	JT6	90	102	50	1000
13S	0.3-13	1/64-1/2	B12	90	102	50	1000
13S	0.3-13	1/64-1/2	B16	90	102	50	1000
16S	3-16	1/8-5/8	JT6	102	114	57	1320
16S	3-16	1/8-5/8	JT3	102	114	57	1320
16S	3-16	1/8-5/8	B16	102	114	57	1320
16S	3-16	1/8-5/8	B18	102	114	57	1320
16S	3-16	1/8-5/8	JT33	102	114	57	1320

連柄一體式鑽夾頭 Arbor Type Keyless Drill Chuck With Integrated Shank

特重型系列 Special Heavy Duty Model

附有夾頭柄結構之設計，使得它更適於銑床及綜合切削機且有更趨於完美之美現。

精密的機械工學和堅固耐用的組成箱確保了杓力及精度。

夾爪採用高科技的鈦合金鍍膜，可使夾爪更耐磨耐用及確保精度。

Designed together with arbor structure makes its performance perfect for drilling press and machine center. Percisely machined and ground components ensure the tolence and accuracy. The clamping three jaws adopt high tech Titanium.

The benefit of adopting Titanium is to increase the intensity and wear-resistance.



MT

Type	Capacity		Taper Mount No DIN or Jacobs	Length (mm)			Weight (g)
	mm	inch		A	B	D	
8S	0.3-8	1/64-5/6	MT2	141	61	37	400
10S	0.3-10	1/64-3/8	MT2	151	70	43	700
13S	0.3-13	1/64-1/2	MT2	161	81	50	1010
13S	0.3-13	1/64-1/2	MT3	180	81	50	1140
13S	0.3-13	1/64-1/2	MT4	205	81	50	1490
16S	3-16	1/8-5/8	MT3	185	85	57	1445
16S	3-16	1/8-5/8	MT4	210	85	57	1770



D

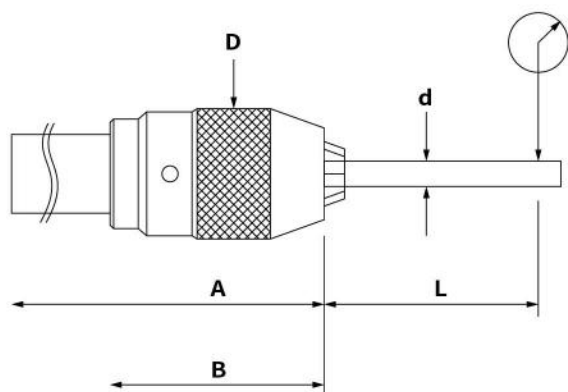
Type	Capacity		Taper Mount No DIN or Jacobs	Length (mm)			Weight (g)
	mm	inch		A	B	D	
3S	0.3-3	1/64-1/8	D12	88.5	38.5	24	140
6S	0.3-6.5	1/64-1/4	D16	104	54	33	334
8S	0.3-8	1/64-5/16	D20	121	61	37	510
13S	0.3-13	1/64-1/2	D20	141	81	50	1030
13S	0.3-13	1/64-1/2	D25	161	81	50	1190
13S	0.3-13	1/64-1/2	D32	161	81	50	1450
16S	3-16	1/8-5/8	D20	145	85	57	1330
16S	3-16	1/8-5/8	D25	165	85	57	1480
16S	3-16	1/8-5/8	D32	165	85	57	1700



R

Type	Capacity		Taper Mount No DIN or Jacobs	Length (mm)			Weight (g)
	mm	inch		A	B	D	
13S	0.3-13	1/64-1/2	R8	184	81	50	1260
16S	3-16	1/8-5/8	R8	188	85	57	1530

Run Out Inspection Table



Type	Ød mm	L mm	Max Run-Out mm
3S	2	30	0.05
	3	30	
6S	4	35	
	6	35	
8S	4	35	
	6	35	
	8	50	
10S	6	35	
	8	35	
10S	10	60	
	10	60	
13S	6	55	
	10	55	
13S	13	75	
	13	75	
16S	6	55	
	10	55	
16S	16	80	



BT直結式鑽夾頭刀把 BT APU Drill Chuck Holder

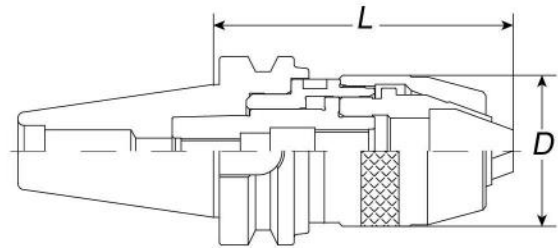
BT Shank JIS B 6339 (MAS 403 BT)

Application:

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

Features:

- * 3 times better clamping capacity, comparing to keyed drill chucks.
- * The drill bit won't be loosen or falling off.
- * Twice precision than the keyed drill chucks.
- * The drill chuck is interchangeable.



unit : mm



Model No.	Clamping Range	D	L		Weight (kg)
			Min.	Max.	
BT30 APU08-080	0.3~8	37.5	75	82	1
BT30 APU13-100	0.3~13	50.5	97	104.5	1.5
BT40 APU08-085	0.3~8	37.5	79	86.5	1.5
BT40 APU13-110	0.3~13	50.5	98	109	2
BT40 APU16-130	3~16	57	116	130	2.6
BT50 APU08-095	0.3~8	37.5	90	97.5	4.2
BT50 APU13-120	0.3~13	50.5	109	120	4.7
BT50 APU13-180	0.3~13	50.5	169	180	5.8
BT50 APU16-130	3~16	57	116	130	5.1
BT50 APU16-190	3~16	57	176	190	6.2

* Custom-built products are available on request.

BT強力式立銑刀把 BT Milling Chuck Holder

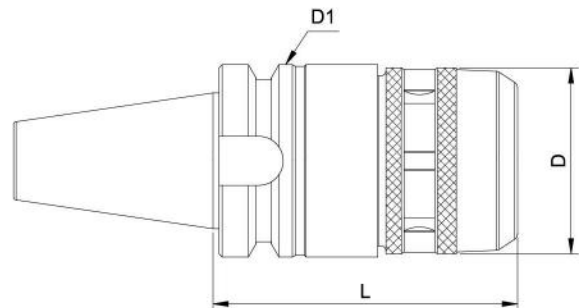
BT Shank JIS B 6339 (MAS 403 BT)

Application:

- * 此強力銑刀把適用重型及高精密切削。
- * The Milling chuck can be applied for heavy-duty & higher accuracy cutting.

Features:

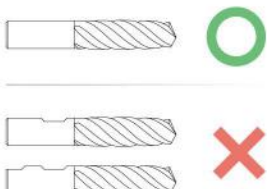
- * It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- * The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- * The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- * High rigidity.
- * High precision.



unit : mm

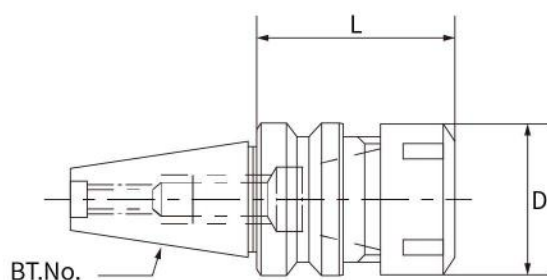
Model No.	L	D	D1
BT30-C20-80	80	52	46
BT30-C25-85	85	60	
BT40-C20-85	85	52	63
BT40-C20-100	100	52	
BT40-C20-135	135	52	
BT40-C25-90	90	60	
BT40-C25-135	135	60	
BT40-C32-105	105	69	100
BT40-C32-135	135	69	
BT50-C20-105	105	52	
BT50-C20-150	150	52	
BT50-C25-100	100	60	
BT50-C25-150	150	60	
BT50-C32-110	110	69	
BT50-C32-135	135	69	
BT50-C42-110	110	86	86
BT50-C42-135	135	86	

* Custom-built products are available on request.



ER彈性筒夾刀把 ER Collet Chuck Holder

BT30 / BT40 / BT50 Taper Shank



unit : mm

Model No.	Capacity Range	L	D	Collets	Wrench
BT30-ER8-60	1~5	60	12	ER8	-
BT30-ER8-100	1~5	100	12	ER8	-
BT30-ER11-60	1~7	60	19	ER11	-
BT30-ER16-60	1~10	60	28	ER16	ER16
BT30-ER16-70	1~10	70	28	ER16	ER16
BT30-ER20-60	1~13	60	34	ER20	ER20
BT30-ER25-60	2~16	60	42	ER25	ER25
BT30-ER32-60	2~20	60	50	ER32	ER32
BT30-ER32-70	2~20	70	50	ER32	ER32
BT40-ER11-70	1~7	70	19	ER11	-
BT40-ER11-100	1~7	100	19	ER11	-
BT40-ER16-70	1~10	70	28	ER16	ER16
BT40-ER16-100	1~10	100	28	ER16	ER16
BT40-ER16-150	1~10	150	28	ER16	ER16
BT40-ER20-80	1~13	80	34	ER20	ER20
BT40-ER20-100	1~13	100	34	ER20	ER20
BT40-ER20-150	1~13	150	34	ER20	ER20
BT40-ER25-80	2~16	80	42	ER25	ER25
BT40-ER25-100	2~16	100	42	ER25	ER25
BT40-ER32-60	2~20	60	50	ER32	ER32
BT40-ER32-70	2~20	70	50	ER32	ER32
BT40-ER32-100	2~20	100	50	ER32	ER32
BT40-ER32-150	2~20	150	50	ER32	ER32
BT40-ER40-80	3~26	80	63	ER40	ER40
BT40-ER40-100	3~26	100	63	ER40	ER40
BT50-ER16-100	1~10	100	28	ER16	ER16
BT50-ER16-150	1~10	150	28	ER16	ER16
BT50-ER16-200	1~10	200	28	ER16	ER16
BT50-ER20-100	1~13	100	34	ER20	ER20
BT50-ER20-150	1~13	150	34	ER20	ER20
BT50-ER20-200	1~13	200	34	ER20	ER20
BT50-ER20-250	1~13	250	34	ER20	ER20
BT50-ER25-100	2~16	100	42	ER25	ER25
BT50-ER25-150	2~16	150	42	ER25	ER25
BT50-ER25-200	2~16	200	42	ER25	ER25
BT50-ER25-250	2~16	250	42	ER25	ER25
BT50-ER32-100	2~20	100	50	ER32	ER32
BT50-ER32-150	2~20	150	50	ER32	ER32
BT50-ER32-200	2~20	200	50	ER32	ER32
BT50-ER32-250	2~20	250	50	ER32	ER32
BT50-ER40-80	3~26	80	63	ER40	ER40
BT50-ER40-100	3~26	100	63	ER40	ER40
BT50-ER40-150	3~26	150	63	ER40	ER40
BT50-ER40-200	3~26	200	63	ER40	ER40

* ER11 / ER16 / ER20 重刀桿有 M 型可供選擇。* ER16/ER20/ER25/ER40 重刀桿可另外選配鋼珠螺帽及扳手。* ER 扳手為另購品。

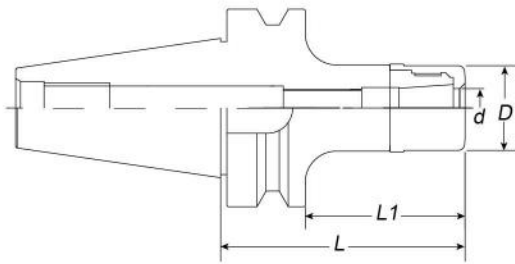
* ER COLLET CHUCK with the flexibility and can clamp drill, reamers, end mills and taps. * ER11 / ER16 / ER20 holder can make M type as your choice.

* ER16 / ER20 / ER25 / ER40 are also suitable for ER bearing nut and wrench.* Wrench not included.



高轉速精密筒夾刀把 SK High Speed Collet Chuck

BT30 / BT40 / BT50 Taper Shank



unit : mm

Model No.	Capacity Range (d)	D	L1	L	Weight (g)
BT30-SK06-060	2~6	19.05	40	60	0.60
BT30-SK06-090	2~6	19.05	70	90	0.60
BT30-SK10-070	2~10	27	50	70	0.70
BT30-SK10-090	2~10	27	70	90	0.80
BT30-SK13-060	3~13	33	40	60	1.00
BT30-SK13-075	3~13	33	55	75	1.10
BT30-SK13-090	3~13	33	70	90	1.10
BT30-SK16-060	3~16	40	40	60	0.70
BT30-SK16-090	3~16	40	70	90	0.90
BT30-SK16-120	3~16	40	100	120	1.10
BT30-SK20-060	4~20	48	40	60	0.80
BT30-SK25-085	6~25.4	54	65	85	1.20
BT40-SK06-060	2~6	19.05	35	60	1.10
BT40-SK06-090	2~6	19.05	65	90	1.30
BT40-SK06-120	2~6	19.05	95	120	1.50
BT40-SK10-060	2~10	27	35	60	1.20
BT40-SK10-080	2~10	27	55	80	1.30
BT40-SK10-090	2~10	27	65	90	1.35
BT40-SK10-100	2~10	27	75	100	1.40
BT40-SK10-120	2~10	27	95	120	1.50
BT40-SK10-150	2~10	27	125	150	1.60
BT40-SK13-060	3~13	33	35	60	1.20
BT40-SK13-080	3~13	33	55	80	1.30
BT40-SK13-090	3~13	33	65	90	1.40
BT40-SK13-100	3~13	33	75	100	1.50
BT40-SK13-120	3~13	33	95	120	1.60
BT40-SK13-150	3~13	33	125	150	1.80
BT40-SK16-060	3~16	40	25	60	1.30
BT40-SK16-080	3~16	40	45	80	1.50
BT40-SK16-090	3~16	40	55	90	1.55
BT40-SK16-100	3~16	40	65	100	1.60
BT40-SK16-120	3~16	40	85	120	1.90
BT40-SK16-150	3~16	40	115	150	2.10
BT40-SK20-060	4~20	48	25	60	1.30
BT40-SK20-090	4~20	48	55	90	1.80
BT40-SK20-120	4~20	48	85	120	2.40
BT40-SK25-070	6~25.4	54	35	70	1.50
BT40-SK25-090	6~25.4	54	55	90	1.90
BT40-SK25-120	6~25.4	54	85	120	2.20
BT50-SK06-100	2~6	19.05	65	100	3.90
BT50-SK10-100	2~10	27	65	100	4.00
BT50-SK10-130	2~10	27	95	130	4.10
BT50-SK10-150	2~10	27	115	150	4.20
BT50-SK13-100	3~13	33	65	100	4.50
BT50-SK13-130	3~13	33	95	130	4.70
BT50-SK13-150	3~13	33	115	150	4.90
BT50-SK16-100	3~16	40	65	100	4.20
BT50-SK16-130	3~16	40	95	130	4.50
BT50-SK16-150	3~16	40	115	150	5.00
BT50-SK20-105	4~20	48	70	105	4.60
BT50-SK20-135	4~20	48	100	135	5.00
BT50-SK20-165	4~20	48	130	165	5.60
BT50-SK25-100	6~25.4	54	65	100	4.50
BT50-SK25-130	6~25.4	54	95	130	5.00
BT50-SK25-150	6~25.4	54	115	150	5.30

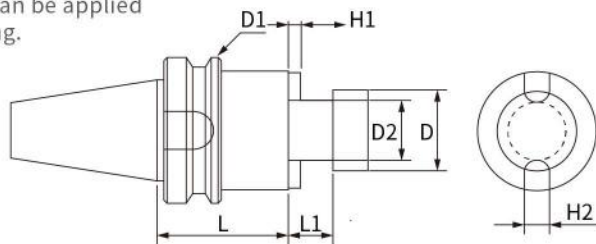
BT平面銑刀把 BT Face Mill Holder

BT Shank JIS B 6339 (MAS 403 BT) with Face Mill DIN 6357

Application:

* 本產品適用於平面銑削加工。

* The product can be applied for Face milling.



unit : mm

Model No.	L	L1	D	D1	D2	H1	H2
BT30-FMA25.4-60	60	20	35	46	25.4	4.52	9.52
BT30-FMA31.75-45	45	22	41	46	31.75	6.7	12.7
BT40-FMA25.4-45	45	20	35	63	25.4	4.52	9.52
BT40-FMA25.4-90	90	20	35	63	25.4	4.52	9.52
BT40-FMA25.4-105	105	20	35	63	25.4	4.52	9.52
BT40-FMA31.75-45	45	22	41	63	31.75	6.7	12.7
BT40-FMA31.75-90	90	22	41	63	31.75	6.7	12.7
BT40-FMA38.10-90	90	23	44.5	63	38.10	8.87	15.87
BT50-FMA25.4-45	45	20	35	100	25.4	4.52	9.52
BT50-FMA25.4-150	150	20	35	100	25.4	4.52	9.52
BT50-FMA31.75-105	105	22	41	100	31.75	6.7	12.7
BT50-FMA38.10-45	45	23	44.5	100	38.1	8.87	15.67
BT50-FMA50.80-45	45	36	68	100	50.8	9.75	19.05
BT50-FMA47.62-75	75	32	-	100	47.62	12.5	25.4
BT30-FMB22-45	45	18	26	46	22	4.8	10
BT30-FMB22-60	60	18	26	46	22	4.8	10
BT30-FMB27-60	60	20	31.5	46	27	5.8	12
BT40-FMB22-45	45	18	26	63	22	4.8	10
BT40-FMB22-60	60	18	26	63	22	4.8	10
BT40-FMB22-100	100	18	26	63	22	4.8	10
BT40-FMB27-45	45	20	31.5	63	27	5.8	12
BT40-FMB27-60	60	20	31.5	63	27	5.8	12
BT40-FMB27-90	90	20	31.5	63	27	5.8	12
BT40-FMB27-105	105	20	31.5	63	27	5.8	12
BT40-FMB32-60	60	22	41	63	32	6.8	14
BT40-FMB40-60	60	25	48	63	40	8.3	16
BT50-FMB22-60	60	18	26	100	22	4.8	10
BT50-FMB22-75	75	18	26	100	22	4.8	10
BT50-FMB22-150	150	18	26	100	22	4.8	10
BT50-FMB27-60	60	20	31.5	100	27	5.8	12
BT50-FMB27-100	100	20	31.5	100	27	5.8	12
BT50-FMB27-150	150	20	31.5	100	27	5.8	12
BT50-FMB32-60	60	22	41	100	32	6.8	14
BT50-FMB32-105	105	22	41	100	32	6.8	14
BT50-FMB40-60	60	25	48	100	40	8.3	16
BT50-FMB40-90	90	25	48	100	40	8.3	16
BT50-FMB40-105	105	25	48	100	40	8.3	16
BT50-FS40F-75	75	26	-	100	40	8.3	16
BT50-FS60F-75	75	25	-	100	60	12.5	25.4



BT莫氏錐度刀把 BT Shank Morse Taper Holder

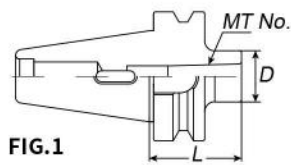


FIG.1

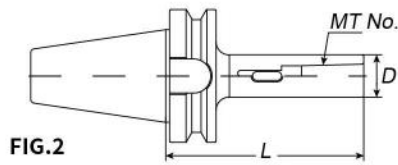


FIG.2



MTA Type

unit : mm

Model No.	L	ØD
BT30-MTA1-45	45	25
BT30-MTA2-60	60	32
BT30-MTA3-90	90	40
BT40-MTA1-45	45	25
BT40-MTA2-45	45	32
BT40-MTA3-75	75	40
BT40-MTA4-90	90	50
BT50-MTA1-45	45	25
BT50-MTA2-60	60	32
BT50-MTA3-45	45	40
BT50-MTA4-75	75	50

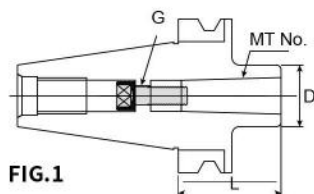


FIG.1

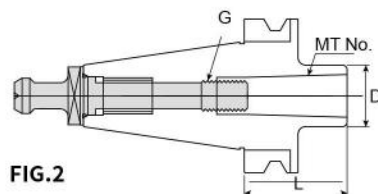


FIG.2



MTB 長拉頭為另購品



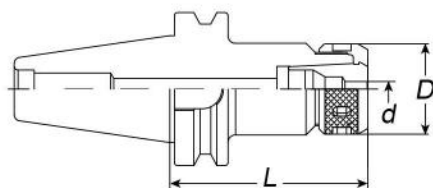
MTB Type

unit : mm

Model No.	L	ØD
BT30-MTB1-45	45	25
BT30-MTB2-60	60	32
BT40-MTB1-45	45	25
BT40-MTB2-45	45	32
BT40-MTB3-60	60	40
BT40-MTB4-90	90	48
BT50-MTB1-45	45	25
BT50-MTB2-45	45	32
BT50-MTB3-60	60	40
BT50-MTB4-75	75	50
BT50-MTB5-120	120	70

OZ重切削筒夾刀把 OZ Collet Chuck Holder

BT30 / BT40 / BT50 Taper Shank



unit : mm

Model No.	d	L	D	Collets
BT30-OZ25-80	3-25	80	60	OZ25
BT40-OZ25-80	3-25	80	60	OZ25
BT40-OZ32-80	6-32	80	72	OZ32
BT50-OZ25-90	3-25	90	60	OZ25
BT50-OZ32-105	6-32	105	72	OZ32

BT側固式銑刀把 BT Side Lock End Mill Holder

BT30 / BT40 / BT50 Taper Shank

Application:

- * 適用於重切削及一般銑削加工。
- * 刀具夾持確實，即使重切削亦不致造成刀具滑動。
- * It can be applied for heavy cutting and milling process generally.
- * The cutting tools can be clamped precisely, Even it's worked in heavy cutting. It will not result in slipping on cutting tools.

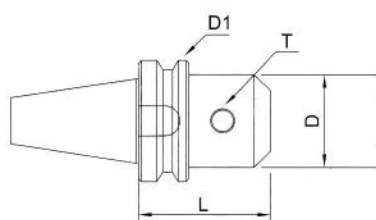


Fig.1

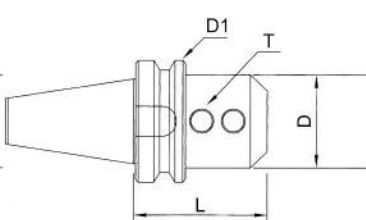


Fig.2



unit : mm

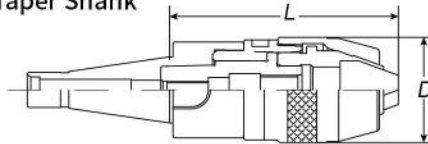
Model No.	d	L	D	D1	Collets	Fig.
BT30-SLN6-60	6	60	25	46	M6	1
BT30-SLN8-60	8	60	28	46	M8	1
BT30-SLN10-60	10	60	35	46	M10	1
BT30-SLN12-60	12	60	40	46	M10	1
BT30-SLN16-75	16	75	45	46	M10	1
BT30-SLN20-75	20	75	50	46	M12	1
BT30-SLN25-90	25	90	55	46	M12	2
BT40-SLN6-75	6	75	25	63	M6	1
BT40-SLN8-75	8	75	28	63	M8	1
BT40-SLN10-75	10	75	35	63	M10	1
BT40-SLN12-75	12	75	40	63	M10	1
BT40-SLN14-75	14	75	42	63	M10	1
BT40-SLN16-75	16	75	45	63	M10	1
BT40-SLN18-75	18	75	48	63	M12	1
BT40-SLN20-75	20	75	50	63	M12	1
BT40-SLN25-90	25	90	55	63	M12	2
BT40-SLN32-90	32	90	60	63	M16	2
BT40-SLN40-105	40	105	80	63	M16	2
BT40-SLN42-105	42	105	80	63	M16	2
BT50-SLN6-105	6	105	25	100	M6	1
BT50-SLN8-105	8	105	28	100	M8	1
BT50-SLN10-105	10	105	35	100	M10	1
BT50-SLN12-105	12	105	40	100	M10	1
BT50-SLN14-105	14	105	42	100	M10	1
BT50-SLN16-105	16	105	45	100	M10	1
BT50-SLN18-105	18	105	48	100	M10	1
BT50-SLN20-105	20	105	50	100	M12	1
BT50-SLN25-105	25	105	55	100	M12	2
BT50-SLN32-105	32	105	60	100	M16	2
BT50-SLN40-105	40	105	80	100	M16	2
BT50-SLN42-105	42	105	80	100	M20	2
BT50-SLN50.8-105	50.8	105	95	100	M20	2

* Custom-built products are available on request.



NT直結式鑽夾頭刀把 NT APU Drill Chuck Holder

NT30 / NT40 / NT50 Taper Shank

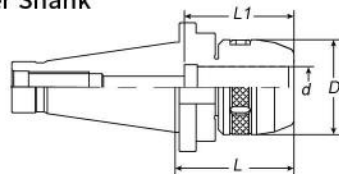


unit : mm

Model No.	Clamping Range	D	L		Draw Bolt
			Minimum	Maximum	
NT30-APU8-80	1-8	37.5	75	82	1/2"-12 M12 x 1.75P
NT30-APU13-100	1-13	50.5	94	104.5	
NT40-APU8-85	1-8	37.5	79	86.5	
NT40-APU13-110	1-13	50.5	98	109	5/8"-11 M16 x 2.0P
NT40-APU16-130	3-16	57	116	130	
NT50-APU8-95	1-8	37.5	90	97.5	
NT50-APU13-120	1-13	50.5	109	120	1"-8 M24 x 3.0P
NT50-APU13-180	1-13	50.5	169	180	
NT50-APU16-130	3-16	57	116	130	
NT50-APU16-190	3-16	57	176	190	

NT強力式銑刀刀把 NT Milling Chuck Holder

NT30 / NT40 / NT50 Taper Shank

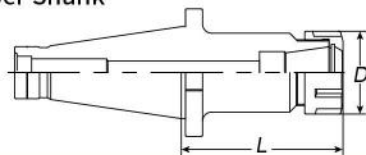


unit : mm

Model No.	Clamping Range	d	D	L	L1	Collet Type	Draw Bolt
NT30-C25-80	6-25	25	58	80	85	C25	1/2"-12 M12 x 1.75P
NT30-C32-90	6-32	32	68	90	95	C32	
NT40-C25-80	6-25	25	58	80	85	C25	
NT40-C25-130	6-25	25	58	130	85	C25	5/8"-11 M16 x 2.0P
NT40-C32-85	6-32	32	68	85	95	C32	
NT40-C32-130	6-32	32	68	130	95	C32	
NT50-C25-85	6-25	25	58	85	85	C25	1"-8 M24 x 3.0P
NT50-C25-150	6-25	25	58	150	85	C25	
NT50-C32-90	6-32	32	76	90	95	C32	
NT50-C32-150	6-32	32	76	150	95	C32	
NT50-C42-95	6-42	42	84	95	100	C42	
NT50-C42-150	6-42	42	84	150	100	C42	

ER彈性筒夾刀把 ER Collet Chuck Holder

NT30 / NT40 / NT50 Taper Shank



unit : mm

Model No.	L	D	Collet Type	Draw Bolt
NT30-ER16-76	76	28	ER16	M12 x 1.75 P 1/2"-12 1/2"-13UN
NT30-ER32-55	55	50	ER32	
NT30-ER40-85	85	63	ER40	
NT40-ER16-76	76	28	ER16	M16 x 2.0 P 5/8"-11
NT40-ER16-100	100	28	ER16	
NT40-ER20-76	76	34	ER20	
NT40-ER20-100	100	34	ER20	
NT40-ER32-50	50	50	ER32	
NT40-ER40-55	55	63	ER40	
NT50-ER16-100	100	28	ER16	M24 x 3.0 P 1"-8
NT50-ER16-150	150	28	ER16	
NT50-ER20-100	100	34	ER20	
NT50-ER20-150	150	34	ER20	
NT50-ER32-58	58	50	ER32	
NT50-ER40-58	58	63	ER40	

* When ordering, please specify the draw bolt for inch size or metric size. * Wrench not included.

NT平面銑刀把 FMA Face Mill Holder - Inch

NT30 / NT40 / NT50 Taper Shank

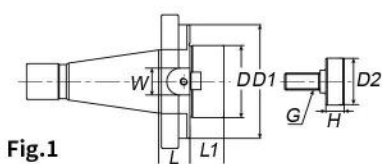


Fig.1

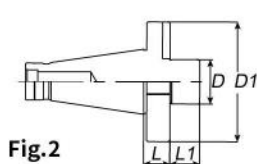
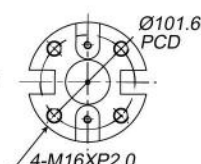


Fig.2



unit : mm

Model No.	Fig.	D	D1	D2	L	L1	W	H	G	Draw Bolt
NT30-FMA25.4-20	1	25.4	65	33	20	20	9.5	13	M12	1/2"-12 M12 x 1.75P
NT30-FMA31.75-20	1	31.75	73	40	20	22	12.7	13.5	M12	
NT30-FMA38.1-20	1	38.1	82	50	20	23	15.9	15	M16	
NT40-FMA25.4-20	1	25.4	65	33	20	20	9.5	13	M12	5/8"-11 M16 x 2.0P
NT40-FMA31.75-20	1	31.75	73	40	20	22	12.7	13.5	M12	
NT40-FMA38.1-20	1	38.1	82	50	20	23	15.9	15	M16	
NT40-FMA50.8-20	1	50.8	95	65	20	24	19.05	16	M16	
NT40-FMA47.625-20	2	47.625	128.57	-	24	32	25.4	-	-	1"-8 M24 x 3.0P
NT50-FMA25.4-20	1	25.4	65	33	20	20	9.5	13	M12	
NT50-FMA31.75-20	1	31.75	73	40	20	22	12.7	13.5	M12	
NT50-FMA38.1-20	1	38.1	82	50	20	23	15.9	15	M16	
NT50-FMA50.8-20	1	50.8	95	65	20	24	19.05	16	M16	
NT50-FMA47.625-24	2	47.625	128.57	-	24	32	25.4	-	-	

NT平面銑刀把 FMB Face Mill Holder - Metric

NT30 / NT40 / NT50 Taper Shank

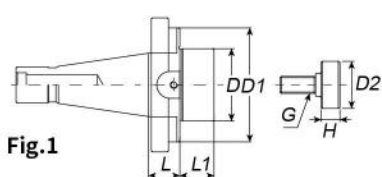


Fig.1

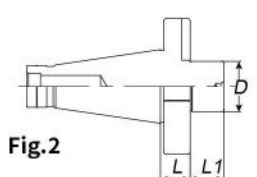
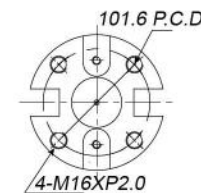


Fig.2

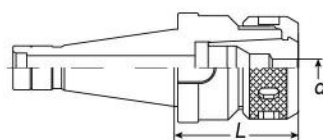


unit : mm

Model No.	Fig.	D	D1	L	L1	H	G	Draw Bolt
NT30-FMB22-20	1	22	53	20	18	-	M10	1/2"-12 M12 x 1.75P
NT30-FMB27-20	1	27	54	20	20	13	M12	
NT30-FMB32-20	1	32	59	20	21	16	M16	
NT40-FMB22-20	1	22	60	20	18	-	M10	5/8"-11 M16 x 2.0P
NT40-FMB27-20	1	27	58	20	20	13	M12	
NT40-FMB32-20	1	32	69	20	21	16	M16	
NT40-FMB40-20	1	40	80	20	24	15	M16	
NT40-FMB60-24	2	60	128	24	32	-	-	1"-8 M24 x 3.0P
NT50-FMB22-20	1	22	40	20	18	-	M10	
NT50-FMB27-20	1	27	70	20	20	13	M12	
NT50-FMB32-20	1	32	76	20	21	16	M16	
NT50-FMB40-20	1	40	88	20	24	15	M16	
NT50-FMB60-24	2	60	128	24	32	-	-	

OZ 重切削筒夾刀把 OZ Collet Chuck Holder

NT30 / NT40 / NT50 Taper Shank



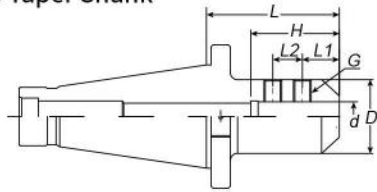
unit : mm

Model No.	d	L	Collet Type	Draw Bolt
NT30-OZ25-70	3-25	70	OZ25	1/2"-12
NT30-OZ32-100	6-32	100	OZ32	M12 x 1.75P
NT40-OZ25-70	3-25	70	OZ25	5/8"-11
NT40-OZ32-70	6-32	70	OZ32	M16 x 2.6P
NT50-OZ25-80	3-25	80	OZ25	1"-8
NT50-OZ32-80	6-32	80	OZ32	M24 x 3.0P



NT側固端銑刀把 SLA End Mill Holder

NT30 / NT40 / NT50 Taper Shank



unit : mm

Model No.	d	D	H	L	L1	L2	G	Draw Bolt
NT30-SLA6-55	6	25	32	55	12	10	M6	1/2"-12 M12 x 1.75P
NT30-SLA8-55	8	28	36	55	14	12	M8	
NT30-SLA10-55	10	35	40	55	15	14	M10	
NT30-SLA12-55	12	40	45	55	20	16	M10	
NT30-SLA16-60	16	45	50	60	22	18	M10	
NT30-SLA20-65	20	50	60	65	25	20	M12	
NT30-SLA25-75	25	55	65	75	25	22	M12	5/8"-11 M16 x 2.0P
NT40-SLA6-55	6	25	32	55	12	10	M6	
NT40-SLA8-55	8	28	36	55	14	12	M8	
NT40-SLA10-55	10	35	40	55	15	14	M10	
NT40-SLA12-55	12	40	45	55	20	15	M10	
NT40-SLA16-60	16	45	50	60	22	16	M10	
NT40-SLA20-65	20	50	60	65	20	18	M12	
NT40-SLA25-75	25	55	65	75	20	22	M12	1"-8 M24 x 3.0P
NT40-SLA32-90	32	60	70	90	30	22	M16	
NT40-SLA42-105	42	80	80	105	32	24	M16	
NT50-SLA6-90	6	25	32	90	12	10	M6	
NT50-SLA8-90	8	28	36	90	14	12	M8	
NT50-SLA10-90	10	35	40	90	15	14	M10	
NT50-SLA12-90	12	40	45	90	20	16	M10	
NT50-SLA16-90	16	45	50	90	22	18	M10	
NT50-SLA20-90	20	50	60	90	25	20	M12	
NT50-SLA20-150	20	50	60	150	25	20	M12	
NT50-SLA25-90	25	55	65	90	25	22	M12	
NT50-SLA25-150	25	55	65	150	25	22	M12	
NT50-SLA32-90	32	60	70	90	30	22	M16	
NT50-SLA32-150	32	60	70	150	30	22	M16	
NT50-SLA32-200	32	60	70	200	30	22	M16	
NT50-SLA42-105	42	80	80	105	32	24	M16	
NT50-SLA50.8-105	50.8	95	90	105	35	25	M20	

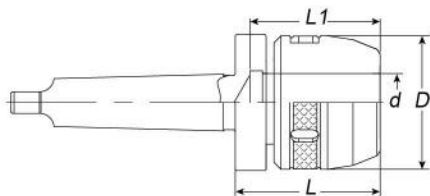
* 適用於夾持銑刀可用在一般切削加工。* 請於訂購時，確認刀桿為英制或公制。

* When ordering, please specify the draw bolt for inch size or metric size. * For straight shank end mills.

* End mills are held by two set screws. * End mill holders come equipped with set screws.

莫氏錐度強力銑刀刀把 Morse Taper Shank Holder

MT3 / MT4 / MT5 / MT6 Taper Shank



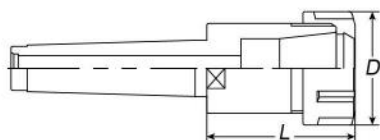
unit : mm

Model No.	Clamping Range	d	D	L1	L	Collet Type
MT3-C25-70	6-25	25	58	70	85	C25
MT4-C25-70	6-25	25	58	70	85	C25
MT4-C32-80	6-32	32	76	80	95	C32
MT5-C25-75	6-25	25	58	75	85	C25
MT5-C32-80	6-32	32	76	80	95	C32
MT5-C42-90	6-42	42	84	90	100	C42
MT6-C25-75	6-25	25	58	75	85	C25
MT6-C32-80	6-32	32	76	80	95	C32
MT6-C42-90	6-42	42	84	90	100	C42

* 每支 ASC 刀桿均附 1 支扳手。

* Each ASC MILLING CHUCK attachad 1PC ASC C-type wrench.

莫氏錐度ER筒夾刀把 MT-ER Collet Chuck



unit : mm

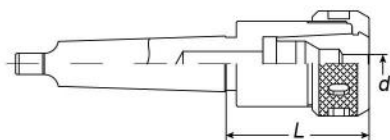
Model No.	L	D	Collet Type	Draw Bolt
MTB2-ER16-40	40	28	ER16	M10x1.5 P 3/8"-16
MTB2-ER20-45	45	34	ER20	
MTB2-ER25-47	47	42	ER25	
MTB3-ER16-40	40	28	ER16	M12 x 1.75 P 1/2"-12
MTB3-ER32-70	70	50	ER32	
MTB3-ER40-80	80	63	ER40	
MTB4-ER32-60	60	50	ER32	M16 x 2.0 P 5/8"-11
MTB4-ER40-82	82	63	ER40	
MTB5-ER40-82	82	63	ER40	

* 莫氏錐度刀桿有 MTA、MTB 可選擇。* ER 扳手為另購品。

* MORSE TAPER SHANK with ER COLLET CHUCK. * For your choice-Morse taper shank is DRAW BOLT (MTB) or TANG (MTA).

* Wrench not included.

莫氏錐度OZ筒夾刀把 MT-OZ Collet Chuck



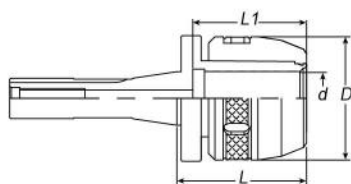
unit : mm

Model No.	D2	L	Collet Type
MT3-OZ25-75	3-25	75	OZ25
MT4-OZ25-75	3-25	75	OZ25
MT5-OZ25-75	3-25	75	OZ25
MT5-OZ32-75	6-32	75	OZ32

* 扳手及筒夾為另購品。

* Wrench and OZ collet not included.

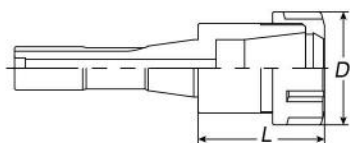
R8強力銑刀夾頭刀把 R8 Taper Milling Chuck Holder



unit : mm

Model No.	Capacity Range	d	D	L	L1	Collet Type
R8-C25-70	6-25	25	58	70	85	SC25
R8-C32-75	6-32	32	68	75	95	SC32

R8-ER彈性筒夾刀把 R8-ER Taper Shank

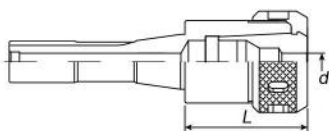


unit : mm

Model No.	D	L	Collet Type	Draw Bolt
R8-ER16	28	35	ER16	7/16"x 20UNF
R8-ER25	42	43	ER25	
R8-ER32	50	60	ER32	
R8-ER40	63	68	ER40	



R8-OZ重切削筒夾刀把 R8-OZ Taper Shank



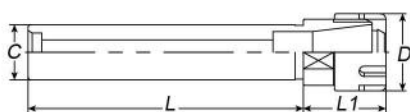
unit : mm

Model No.	d	L	Collet Type
R8-OZ25	3-25	70	OZ25
R8-OZ32	6-32	87	OZ32

* 扳手及筒夾為另購品。

* Wrench and OZ collet not included.

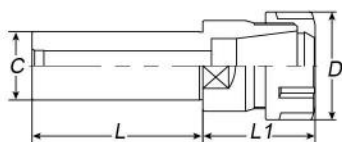
直柄彈性筒夾本體(M型) Straight Shank - M Type



unit : mm

Model No.	C	L1	L	D	Collet Type
C16-ER11-50(M)	16	50	15	16	ER11
C16-ER11-100(M)	16	100	15	16	
C16-ER16-50(M)	16	50	32	22	ER16
C16-ER16-100(M)	16	100	32	22	
C16-ER16-150(M)	16	150	32	22	
C20-ER16-50(M)	20	50	32	22	ER16
C20-ER16-100(M)	20	100	32	22	
C20-ER16-150(M)	20	150	32	22	
C20-ER20-50(M)	20	50	40	28	ER20
C20-ER20-100(M)	20	100	40	28	
C20-ER20-150(M)	20	150	40	28	
C25-ER20-50(M)	25	50	40	28	ER20
C25-ER20-100(M)	25	100	40	28	
C25-ER20-150(M)	25	150	40	28	

直柄彈性筒夾本體 Straight Shank Collet Chuck Holder



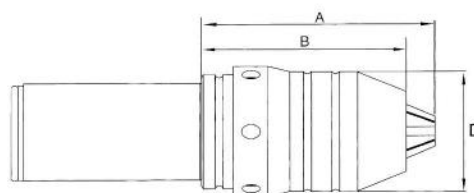
unit : mm

Model No.	C	L1	L	D	Collet Type
C20-ER16-50	20	50	35	28	ER16
C20-ER16-100	20	100	35	28	
C20-ER16-150	20	150	35	28	
C20-ER20-50	20	50	40	34	ER20
C20-ER20-100	20	100	40	34	
C20-ER20-150	20	150	40	34	
C20-ER25-50	20	50	46	42	ER25
C20-ER25-100	20	100	46	42	
C20-ER25-150	20	150	46	42	
C25-ER16-100	25	100	20	28	ER16
C25-ER16-150	25	150	20	28	
C25-ER20-100	25	100	38	34	ER20
C25-ER20-150	25	150	38	34	
C25-ER25-100	25	100	42	42	ER25
C25-ER25-150	25	150	42	42	
C25-ER32-80	25	80	58	50	ER32
C25-ER40-100	25	100	60	63	ER40
C32-ER25-60	32	60	46	42	ER25
C32-ER32-100	32	100	58	50	ER32
C32-ER32-150	32	150	58	50	
C32-ER40-100	32	100	60	63	ER40
C40-ER32-100	40	100	52	50	ER32
C40-ER40-100	40	100	60	63	ER40

R8/直柄式/MT刀柄系列 R8 / Straight Shank / Morse Taper Shank Series

DIN2185

These chucks provide exceptionally high torque better than the combination of conventional drill chuck and taper, holder. Moreover, the gripping strength is increased a lot. The integrated high precision run-out design eliminates any possibility of chuck / taper accidentally separated and ensures the accuracy by the special one-piece design. The corrosion-resistant surface treatment guarantees the durability and individually 100% strict inspection.



組接形式 Mount Type	尺寸 Size	挾持量 Capacity		規格 Dimensions		
		mm	inch	A 關 Closed (mm)	B 開 Open (mm)	D 外徑 Sleeve (mm)
D20	8mm	0-8	0-5/16	81.7	73	37.5
D20	13mm	0-13	0-1/2	101.2	89.3	50
D25	13mm	0-13	0-1/2	101.2	89.3	50
D32	13mm	0-13	0-1/2	101.2	89.3	50
D40	13mm	0-13	0-1/2	101.2	89.3	50
D20	16mm	3-16	1/8-5/8	104	91	57
D25	16mm	3-16	1/8-5/8	104	91	57
D32	16mm	3-16	1/8-5/8	104	91	57
D40	16mm	3-16	1/8-5/8	104	91	57
MT2	8mm	0-8	0-5/16	81.7	73	37.5
MT3	13mm	0-13	0-1/2	101.2	89.3	50
MT4	13mm	0-13	0-1/2	101.2	89.3	50
MT4	16mm	3-16	1/8-5/8	104	91	57
R8	13mm	0-13	0-1/2	101.2	89.3	50
R8	16mm	3-16	1/8-5/8	104	91	57

* 特製品可依客戶需求訂製。

* Custom-Built products are available on request.

旋臂鑽床攻牙組 Drill Taper Set



旋臂攻牙本體絲攻套筒 Taper Holder sleeve

Model No.	Weight (kg)	Model No.	Weight (kg)
DT24 MTA2 Holder	1.85	DT24-MT1	0.40
DT24 MTA3 Holder	1.95	DT24-MT2	0.40
DT24 MTA4 Holder	2.30	DT24-MT3	0.70
DT24 MTA5 Holder	3.20	DT33-MT1	0.60
DT33 MTA3 Holder	3.35	DT33-MT2	0.70
DT33 MTA4 Holder	3.65	DT33-MT3	0.70
DT33 MTA5 Holder	4.60	DT33-MT4	0.70

Model No.	Taper Holder	Standard Size	Weight (kg)
DT24 MTA2-10 PCS/SET	DT24 MTA2 Holder	JTA6+13HTP	8.10
DT24 MTA3-10 PCS/SET	DT24 MTA3 Holder	DT24-M4,M6,M8,M10,M12,M16	8.30
DT24 MTA4-10 PCS/SET	DT24 MTA4 Holder	DT24-MT1,DT24-MT2	8.60
DT24 MTA5-10 PCS/SET	DT24 MTA5 Holder		9.50
DT33 MTA3-10 PCS/SET	DT33 MTA3 Holder	JTA6+13HTP	11.30
DT33 MTA4-10 PCS/SET	DT33 MTA4 Holder	DT33-M8,M10,M12,M16,M20,M24	11.70
DT33 MTA5-10 PCS/SET	DT33 MTA5 Holder	DT33-MT2,DT3-MT3	12.60



快換式絲攻刀桿 Quick Change Tapping Chucks Holder

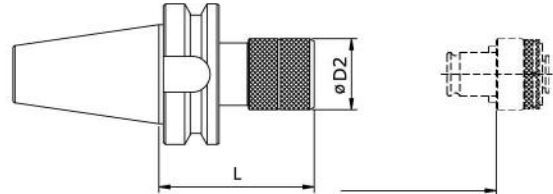
伸縮緩衝型 With Length Compensation

Features:

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

規格 SPEC.	攻牙能力 Capacity	L	ØD2	適用筒夾 Collet	
BT30-WF12	M3-M14	70	36	TC312	TC312B
BT40-WF12	M3-M14	75	36	TC312	TC312B
BT50-WF12	M3-M14	85	36	TC312	TC312B
BT30-WF20	M8-M24	105	53	TC820	TC820B
BT40-WF20	M8-M24	95	53	TC820	TC820B
BT50-WF20	M8-M24	105	53	TC820	TC820B
BT40-WF33	M14-M36	160	78	TC1433	TC1433B
BT50-WF33	M14-M36	150	78	TC1433	TC1433B

- * 特製品可依客戶需求訂製。* 絲攻夾頭需另外選購。
- * Custom-Built products are available on request.
- * Tap collets to be orderd separately.



快換式絲攻刀桿 Quick Change Tapping Chucks Holder

伸縮緩衝型 With Length Compensation

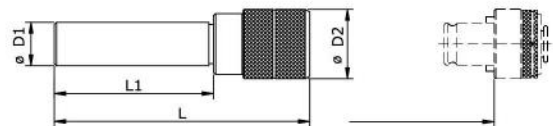
直柄型-筒夾專用 Straight Shank-Collets

Features:

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

規格 SPEC.	攻牙能力 Capacity	L	L1	ØD1	ØD2	適用筒夾 Collet	
D20-WF12	M3-M14	113	70	20	36	TC312	TC312B
D32-WF12	M3-M14	113	70	32	36	TC312	TC312B
D20-WF20	M8-M24	135	70	20	53	TC820	TC820B
D32-WF20	M8-M24	135	70	32	53	TC820	TC820B
D32-WF33	M14-M36	183	80	32	78	TC1433B	

- * 特製品可依客戶需求訂製。* 絲攻夾頭需另外選購。
- * Custom-Built products are available on request.
- * Tap collets to be orderd separately.



快換式絲攻刀桿 Quick Change Tapping Chucks Holder

伸縮緩衝型 With Length Compensation

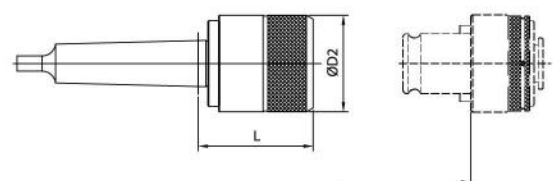
莫氏錐度型 Morse Taper Shank

此產品適用於旋臂式鑽床、高速車床、直立式鑽床、銑床及其他可轉的主軸。

The products are suitable for radial drilling machines, CNG turning centers, high-speed center lathes, drilling machines, radial drilling machines, air tapping machines, milling machines and other machines with reversible spindles.

規格 SPEC.	攻牙能力 Capacity	L	ØD	適用筒夾 Collet	
MT2-WF12	M3-M14	48	36	TC312 TC312B	
MT3-WF12	M3-M14	48	36		
MT4-WF12	M3-M14	49	36		
MT2-WF20	M8-M24	70	53	TC820 TC820B	
MT3-WF20	M8-M24	70	53		
MT4-WF20	M8-M24	70	53		
MT4-WF33	M14-M36	110	78	TC1433	TC1433B

- * 特製品可依客戶需求訂製。* 絲攻夾頭需另外選購。
- * Custom-Built products are available on request.
- * Tap collets to be orderd separately.



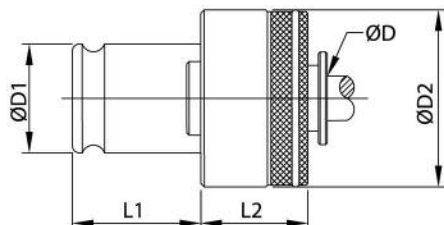
快換式絲攻夾頭-扭力型 Quick Change Tap Collets with Overload Clutch

JIS Type

Features;

* 扭力型絲攻設計，可預防絲攻在攻牙時斷裂。

* Overload clutch is designed to prevent tap from breaking upon tapping.

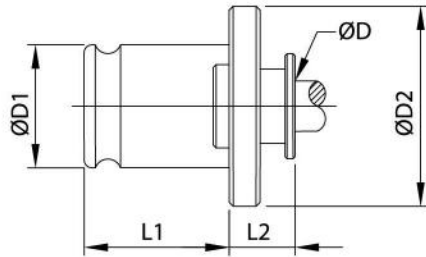


TC312 JIS Tap			絲攻尺寸 Tap Shank		攻牙能力 Capacity	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
			ØD 柄徑	□ 四方孔					
M2			3.0	2.5	M3-M14	22	25	19	32
M3		#5,#6	4.0	3.2					
M4	M4.5	#8	5.0	4.0					
M5	M5.5	#10	5.5	4.5					
M6		UNC 1/4	6.0	4.5					
		UNC 5/16	6.1	5.0					
M8	M7		6.2	5.0					
M10	M9	UNC 3/8	7.0	5.5					
	M11	UNC 7/16	8.0	6.0					
M12			8.5	6.5					
		UNC 1/2	9.0	7.0	M8-M24	36	30.5	31	50
M14	M15	UNC 9/16	10.5	8.0					
		UNC 5/8	12.0	9.0					
M16			12.5	10.0					
M18		UNC 3/4	14.0	11.0					
M20			15.0	12.0					
M22		UNC 7/8	17.0	13.0					
M24	M25		19.0	15.0					
TC820 JIS Tap			絲攻尺寸 Tap Shank		攻牙能力 Capacity	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
			ØD 柄徑	□ 四方孔					
M5	M5.5	#10	5.5	4.5	M14-M36	56	45	48	72
M6		UNC 1/4	6.0	4.5					
		UNC 5/16	6.1	5.0					
M8	M7		6.2	5.0					
M10	M9	UNC 3/8	7.0	5.5					
	M11	UNC 7/16	8.0	6.0					
M12			8.5	6.5					
		UNC 1/2	9.0	7.0					
M14	M15	UNC 9/16	10.5	8.0					
		UNC 5/8	12.0	9.0					
M16			12.5	10.0	M14-M36	56	45	48	72
M18		UNC 3/4	14.0	11.0					
M20			15.0	12.0					
M22		UNC 7/8	17.0	13.0					
M24	M25		19.0	15.0					
M27	M26	UNC 1	20.0	15.0					
M28			21.0	17.0					
		UNC 1 1/8	22.0	17.0					
M30			23.0	17.0					
M32		UNC 1 1/4	24.0	19.0					
M33			25.0	19.0	M14-M36	56	45	48	72
M35	M34	UNC 1 3/8	26.0	21.0					
M36			28.0	21.0					



快換式絲攻夾頭-剛性 Quick Change Tap Collets - Rigid Type

JIS Type



TC312B JIS Tap			絲攻尺寸 Tap Shank		攻牙能力 Capacity	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
			ØD 柄徑	□ 四方孔					
M2			3.0	2.5	M3-M14	22	25	19	30
M3		#5,#6	4.0	3.2					
M4	M4.5	#8	5.0	4.0					
M5	M5.5	#10	5.5	4.5					
M6		UNC 1/4	6.0	4.5					
		UNC 5/16	6.1	5.0					
M8	M7		6.2	5.0					
M10	M9	UNC 3/8	7.0	5.5					
	M11	UNC 7/16	8.0	6.0					
M12			8.5	6.5					
		UNC 1/2	9.0	7.0					
M14	M15	UNC 9/16	10.5	8.0					
TC820 JIS Tap			絲攻尺寸 Tap Shank		攻牙能力 Capacity	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
			ØD 柄徑	□ 四方孔					
M8	M7		6.2	5.0	M8-M24	36	11	31	48
M10	M9	UNC 3/8	7.0	5.5					
	M11	UNC 7/16	8.0	6.0					
M12			8.5	6.5					
		UNC 1/2	9.0	7.0					
M14	M15	UNC 9/16	10.5	8.0					
		UNC 5/8	12.0	9.0					
M16			12.5	10.0					
M18		UNC 3/4	14.0	11.0					
M20			15.0	12.0					
M22		UNC 7/8	17.0	13.0					
M24	M25		19.0	15.0					
TC1433 JIS Tap			絲攻尺寸 Tap Shank		攻牙能力 Capacity	L1 (mm)	L2 (mm)	ØD1 (mm)	ØD2 (mm)
			ØD 柄徑	□ 四方孔					
M14	M15	UNC 9/16	10.5	8.0	M14-M36	56	14	48	70
		UNC 5/8	12.0	9.0					
M16			12.5	10.0					
M18		UNC 3/4	14.0	11.0					
M20			15.0	12.0					
M22		UNC 7/8	17.0	13.0					
M24	M25		19.0	15.0					
M27	M26	UNC 1	20.0	15.0					
M28			21.0	17.0					
		UNC 1 1/8	22.0	17.0					
M30			23.0	17.0					
M32		UNC 1 1/4	24.0	19.0					
M33			25.0	19.0					
M35	M34	UNC 1 3/8	26.0	21.0					
M36			28.0	21.0					

* 特製品可依客戶需求訂製。

* Custom-Built products are available on request.

莫氏錐度套筒 Morse Taper Sleeve

unit : mm



Type T x T1	L	L1
MT1 x MT2	89	75
MT1 x MT3	100	94
MT2 x MT3	112	94
MT1 x MT4	124	117.5
MT2 x MT4	124	117.5
MT3 x MT4	140	117.5
MT1 x MT5	156	149
MT2 x MT5	156	149
MT3 x MT5	156	149
MT4 x MT5	167	149
MT4 x MT6	220	210
MT5 x MT6	224	210

夾頭柄 Drill Chuck Arbor



Morse Taper	Jacobs Taper
C10	JT0
C20	JT0
C20	JT1
C20	JT2
C20	JT6
C20	JT3
C25	JT2
C25	JT6
C25	JT3
C25	JT4
C32	JT2
C32	JT6
C32	JT3
C32	JT4

Morse Taper	Jacobs Taper
MT2	JT0
MT2	JT1
MT2	JT2
MT2	JT6
MT2	JT3
MT3	JT2
MT3	JT6
MT3	JT3
MT3	JT4
MT4	JT6
MT4	JT3
MT4	JT4
MT5	JT6
MT5	JT3
MT5	JT4

延長型鑽頭套筒 Extension Drill Chuck Sleeve

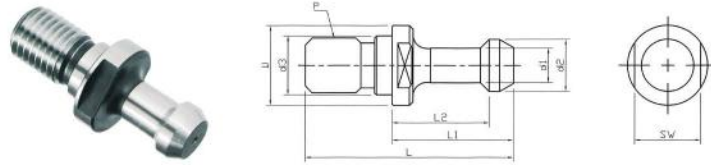


Inside x Outside	Length (mm)
MT1 x MT2	160
MT2 x MT1	158
MT2 x MT2	175
MT2 x MT3	194
MT2 x MT4	220
MT2 x MT5	254
MT3 x MT2	196
MT3 x MT3	215
MT3 x MT4	240
MT3 x MT5	275
MT4 x MT2	221
MT4 x MT3	240
MT4 x MT4	265
MT4 x MT5	300
MT5 x MT3	275
MT5 x MT4	300
MT5 x MT5	335



拉栓 Pull Studs

BT Type

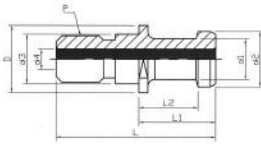


Model	D	d1	d2	d3	d4	L	L1	L2	SW	P
BT30-45°	16.5	7	11	12.5	-	43	23	18	13	M12 x 1.75
BT30-60°	16.5	7	11	12.5	-	43	23	18	13	M12 x 1.75
BT30-90°	16.5	7	11	12.5	-	43	23	18	13	M12 x 1.75
BT40-45°	23	10	15	17	-	60	35	28	19	M16 x 2.0
BT40-60°	23	10	15	17	-	60	35	28	19	M16 x 2.0
BT40-90°	23	10	15	17	-	60	35	28	19	M16 x 2.0
BT50-45°	38	17	23	25	-	85	45	35	30	M24 x 3.0
BT50-60°	38	17	23	25	-	85	45	35	30	M24 x 3.0
BT50-90°	38	17	23	25	-	85	45	35	30	M24 x 3.0
BT30-45° W	16.5	7	11	12.5	2 x 3	43	23	18	13	M12 x 1.75
BT30-60° W	16.5	7	11	12.5	2 x 3	43	23	18	13	M12 x 1.75
BT40-45° W	23	10	15	17	4	60	35	28	19	M16 x 2.0
BT40-60° W	23	10	15	17	4	60	35	28	19	M16 x 2.0
BT50-45° W	38	17	23	25	7	85	45	35	30	M24 x 3.0
BT50-60° W	38	17	23	25	7	85	45	35	30	M24 x 3.0

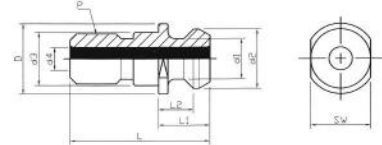
ISO A Type / ISO B Type



ISO A



ISO B

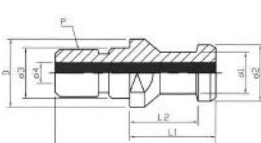


Model	D	d1	d2	d3	d4	L	L1	L2	L3	L4	SW	P
ISO40-A	23	14	19	17	7	54	26	20	-	-	19	M16 x 2.0
ISO50-A	36	21	28	25	11.5	74	34	25	-	-	30	M24 x 3.0
ISO40-B	22.5	12.95	18.95	17	7.35	44.5	16.4	11.15	-	-	19	M16 x 2.0
ISO50-B	37	19.6	29.1	25	11.5	65.6	25.5	17.95	-	-	30	M24 x 3.0

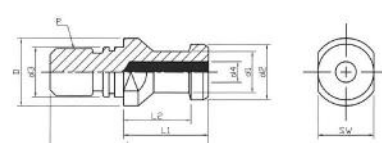
DIN A Type / DIN B Type



DIN A

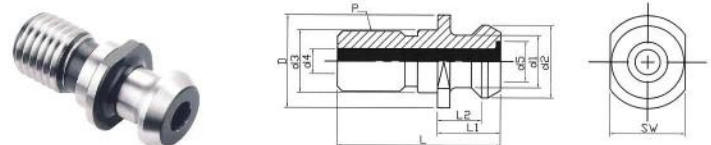


DIN B



Model	D	d1	d2	d3	d4	L	L1	L2	L3	L4	SW	P
DIN30-A	17	9	13	13	-	44	24	19	-	-	14	M12 x 1.75
DIN30-B	17	9	13	13	-	44	24	19	-	-	14	M12 x 1.75
DIN40-A	23	14	19	17	7	54	26	20	-	-	19	M16 x 2.0
DIN40-A-L	23	14	19	17	7	54	29	23	-	-	19	M16 x 2.0
DIN40-B	23	14	19	17	7	54	26	20	-	-	19	M16 x 2.0
DIN40-B-L	23	14	19	17	7	54	29	23	-	-	19	M16 x 2.0
DIN50-B	36	21	28	25	11.5	74	34	25	-	-	30	M24 x 3.0

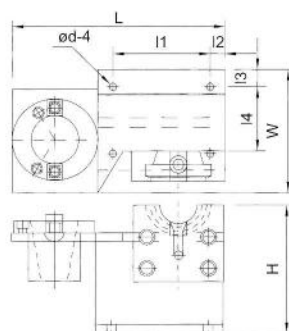
MAZAK Type



Model	D	d1	d2	d3	d4	d5	L	L1	L2	L3	SW	P
MAZAK-BT-40	22	12.45	18.8	17	7	-	44.1	19.1	14	-	19	M16 x 2.0
MAZAK-BT-50	37	20.83	28.95	25	10	16	65.2	25.2	17.58	1.8	30	M24 x 3.0

鎖刀座A型(主體為鑄鐵，立式刀座為鋁製品)

Tool Locking Device A Type (Cast Iron Body, Vertical Tool Rest: Aluminum)



型號 Model No.	L	l1	l2	l3	l4	H	W	淨重 (kg) N.W	毛重 (kg) G.W	裝箱尺寸 (cm) Shipment Size
LD-BT30A	210	95	10	15	67	130	100	3.6	3.7	22 x 11.5 x 14
LD-BT40A	210	95	10	15	67	130	100	3.7	3.9	22 x 11.5 x 14
LD-BT50A	275	113	20	24	105	200	150	11.0	11.4	29.5 x 17 x 21
LD-DIN40A	210	95	10	15	67	130	100	3.6	3.8	22 x 11.5 x 14
LD-DIN50A	275	113	20	24	105	200	150	10.8	11.2	29.5 x 17 x 21
LD-CAT40A	210	95	10	15	67	130	100	3.6	3.8	22 x 11.5 x 14
LD-CAT50A	275	113	20	24	105	200	150	10.8	11.2	29.5 x 17 x 21

清潔棒 Taper Wiper

BT30 / BT40 / BT50

- * 清潔棒的清潔片由不織布製成，可清理主軸內部，不傷主軸，防止靜電產生，延長主軸使用壽命。
- * Cleaning ships of taper wiper is made of non-woven fabric. It can clean inside slides of spindles to prevention of static electricity and to extend spindles and tapers durable life.



擋屑伸縮皮 Expandable Chip Cover



unit : mm

規格 Model	寬 (W)	長 (L)
CC-380 x 330	380	330
CC-450 x 600	450	600
CC-500 x 600	500	600



BT刀具管理車 BT Tool Carriage



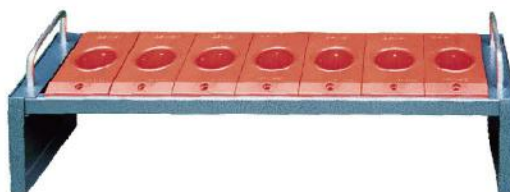
TC



TCD - 附抽屜 2 個
With Drawers

Model No.	TC-30	TC-40	TC-50	TCD-30	TCD-40	TCD-50
W	600 m/m					
L	1080 m/m					
H	810 m/m					
刀具套	BT30 x 32PCS	BT40 x 28PCS	BT50 x 20PCS	BT30 x 32PCS	BT40 x 28PCS	BT50 x 20PCS

BT刀具架 BT Portable Tool Rack



Model No.	PTR-30	PTR-40	PTR-50
L x W x H	590 x 145 x 220 m/m		
刀具套	BT30 x 8PCS	BT40 x 7PCS	BT50 x 5PCS

Z軸設定器 Z Axial Height Gauge



NZH-50



NZM-50

Type	Height	Weight (kgs)	L x W x H (mm)	Magnetism
NZH-50A	50.00 ± 0.005mm	1.3	50 x 63 x 63	O
NZH-50B	50.00 ± 0.005mm	1.3	50 x 63 x 63	X
NZM-50A	50.00 ± 0.005mm	0.83	50 x 48 x 48	O
NZM-50B	50.00 ± 0.005mm	0.83	50 x 48 x 48	X

光電式Z軸設定器 Z Axial Preset Gauge (optical type)



Type	Height	Weight (kgs)	L x W x H (mm)	Magnetism	Remark
ZOP-50	50.00	0.7	50 x 53 x 53	O	Machine needs conductive before use.
New NZOP-50	50.00	0.7	50 x 53 x 53	O	Machine is not conductive can also be used.

3D 尋邊器 3D-Sensor



Type	Remark
3D-2007	German original 3D group (within the appended short probe)
3D-2007-S	Short Probe: 4 mm x 31L (German original)
3D-2007-L	Long Probe: 6 mm x 56L

3D 尋邊器 Universal 3D-Sensor



Type	Remark
3D-80.360.00	Universal 3D-Sensor with clamping shank $\varnothing 20$ mm including short probe tip $\varnothing 4$ mm
3D-S	Short probe tip $\varnothing 4$ mm
3D-L	Long probe tip $\varnothing 8$ mm

unit : mm

陶瓷尋邊器 Zirconia Ceramics Edge Finder



WH-1020



WH-1020A



WH-1010

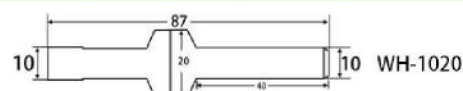


WH-420



WH-420L

Model No.	淨重 KGS	測頭尺寸/精度 MEASURING POSITIONEBCN	長x直徑x柄徑 L x W x H
WH-1020	0.052	10 / ± 0.005	87 x 20 x 10
WH-1020A	0.052	10 / ± 0.005	88 x 20 x 10
WH-1010	0.036	10 / ± 0.005	86 x 10 x 10
WH-420	0.056	4 & 10 / ± 0.005	97 x 20 x 10
WH-420L	0.056	4 & 10 / ± 0.005	102 x 20 x 10



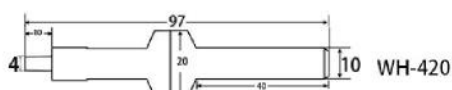
WH-1020



WH-1020A



WH-1010



WH-420



WH-420L

偏心式尋邊器 Mechanical Edge Finder



ME-610



ME-1020



ME-420

Type	Weight (kgs)	Accuracy	L x W x H (mm)
ME-610	0.06	± 0.005	71 x 10 x 10
ME-420	0.08	± 0.005	97 x 20 x 10
ME-1020	0.08	± 0.005	87 x 20 x 10

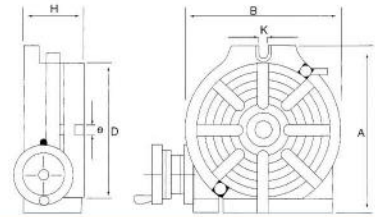
光電式尋邊器 Optical Edge Finder



Type	Weight (kgs)	Accuracy	L x W x H (mm)	Sound
OP-20	0.20	± 0.005	158 x 20 x 10	X
OP-20B	0.20	± 0.005	158 x 20 x 10	O
OP-32	0.43	± 0.005	158 x 20 x 10	X
OP-32B	0.43	± 0.005	158 x 20 x 10	O

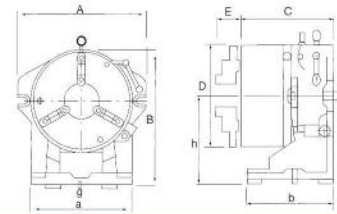


橫立兩用分度盤 Horizontal and Vertical Rotary Table



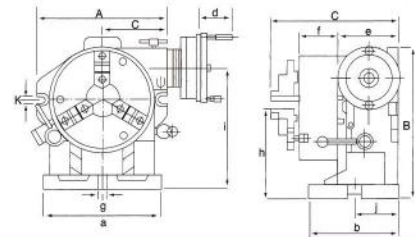
Model	工作檯面		Base Dimension		T型槽	中心角度	Worm Gearratio	kg
	D	H	A	B	K			
HV-6"	150	80	200	195	18	MT-2	90:1	12
HV-8"	200	80	265	225	18	MT-3		30
HV-10"	250	110	320	280	18	MT-3		48
HV-12"	300	128	490	330	18	MT-4		77
HV-14"	350	130	590	380	18	MT-4		95
HV-16"	400	150	435	435	18	MT-5		180

簡易型快速分度盤 Simple Indexing Spacer



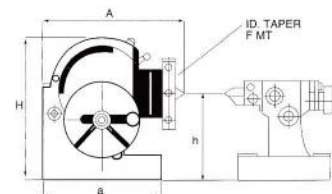
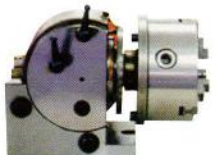
Model	Dividable Number	A	B	C	D	a	b	h	Inner jaw	Guide block(g)	Outer jaw	Diameter of hole (turret)	Diameter of hole (chuck)	kg
CC-6"	2, 3, 4, 6	360	218	156	167	220	130	130	4-42	16	10-156	44	36	32.5
CC-8"	8, 12, 24	318	265	177	210	228	140	150	4-62	16	10-180	63	63	70

強力型快速分度盤 Super Indexing Spacer



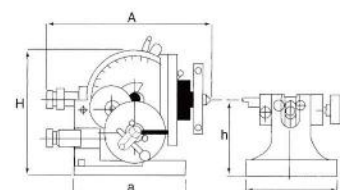
Model	A	B	C	a	b	c	d	e	f	g	h	i	j	k	kg
CS-6"	250	235	221	220	150	184	82	112	66	16	130	186	80	18	48
CS-8"	310	292	243	225	160	195	100	125	75	16	157	241	90	18	70

分度頭 Semi-universal Dividing Head



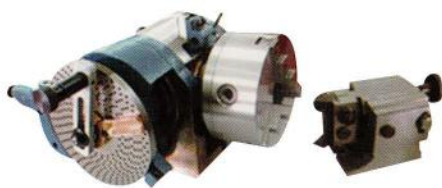
Model	A	B	H	h	a	b	g	F	可加三爪卡盤	kg
BS-0	196	133	173	100	160	91	16	MT2	4", 5"	22
BS-1	253	163	220	126	207	114	16	MT3	5", 6"	36

萬能分度頭 Universal Dividing Head

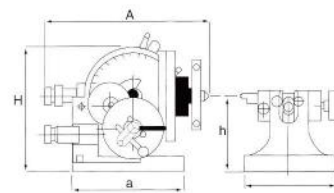


Model	A	a	H	h	1D.TAPER MT	可加三爪卡盤	kg
BS-2	365	213	236	135	MT4	7", 8"	74

封閉式萬能分度頭 Universal Dividing Head

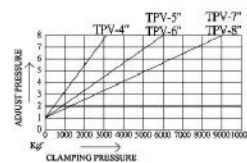
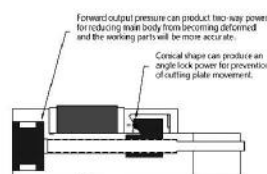
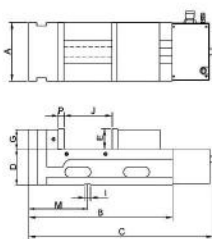


附：尾座、蜂巢板、三爪另購



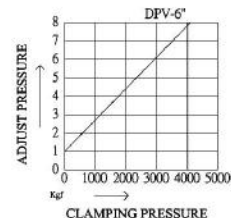
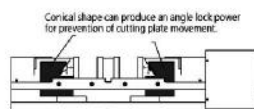
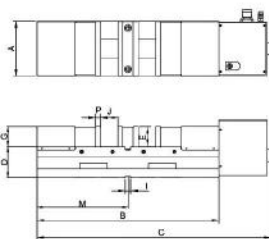
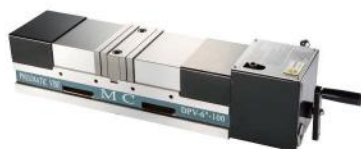
Model	A	a	H	h	1D.TAPER MT	可加三爪卡盤	kg
BS-3	365	194	278	146	MT4	7", 8"	132

MC空油壓精密快速虎鉗 MC Precision Super Hi-Pressure Rapid Vise



Model	A	B	C	D	E	G	I	M	P	J	夾持力	kg
TPV-4''-100	100	320	435	100	48	45	16	145	15	100	3200 kgf	29
TPV-5''-150	130	380	505	105	55	52	18	145	15	150	6000 kgf	40
TPV-6''-160	160	400	525	105	58	55	18	145	15	160	6000 kgf	50
TPV-6''-250	160	490	615	105	58	55	18	145	15	250	6000 kgf	55
TPV-7''-200	180	460	585	110	63	60	18	180	18	200	9000 kgf	72
TPV-8''-200	200	470	595	110	63	60	18	180	18	200	9000 kgf	80
TPV-8''-300	200	570	695	110	63	60	18	180	18	300	9000 kgf	90

雙夾式空油壓精密快速虎鉗 MC Super Hi-Pressure Double Vise



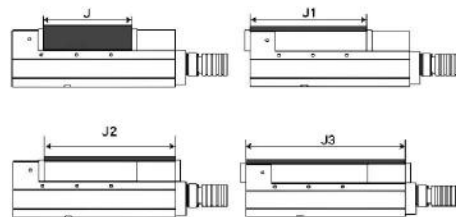
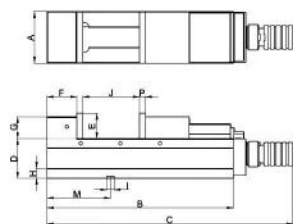
Model	A	B	C	D	E	G	I	M	P	J	夾持力	kg
DPV-6''-100	160	530	680	90	58	55	18	265	15	100	4000 kgf	66

MC 超精密倍力虎鉗 MC Power Machine Vise-Machine Type

油壓增壓型 HPPV

4種挾持方式

Four clamping way for choice

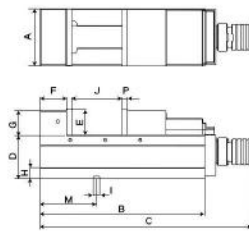


Model	A	B	C	D	E	F	G	H	I	M	P	J	J1	J2	J3	夾持力	kg
HPPV-100A	100	395	552	85	53	60	50	25	18	110	15	200	280	320	390	3500 kgf	29
HPPV-130A	130	470	626	100	58	75	55	25	18	160	15	250	340	370	460	4500 kgf	46
HPPV-160A	160	545	702	100	63	80	60	25	18	200	18	300	390	430	530	5000 kgf	65
HPPV-160S	160	488	644	100	63	80	60	25	18	200	18	250	350	390	480	5000 kgf	59
HPPV-200A	200	605	762	110	63	95	60	25	18	220	18	340	460	490	600	5500 kgf	87

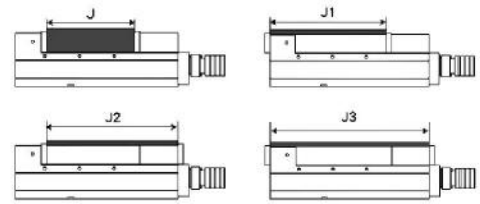


MC 超精密倍力虎鉗 MC Power Machine Vise-Hydraulic Type

機器增壓型 MPPV

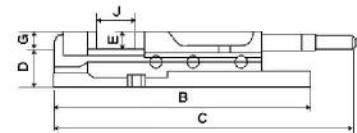
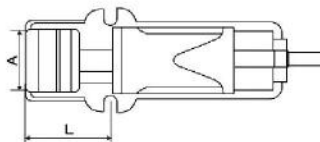


4種挾持方式
Four clamping way for choice



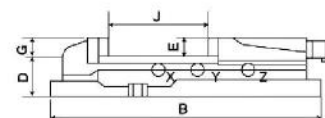
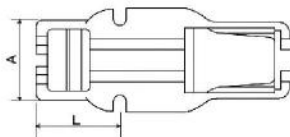
Model	A	B	C	D	E	F	G	H	I	M	P	J	J1	J2	J3	夾持力	kg
MPPV-100A	100	395	552	85	53	60	50	25	18	110	15	200	280	320	390	3500 kgf	29
MPPV-130A	130	470	626	100	58	75	55	25	18	160	15	250	340	370	460	4500 kgf	46
MPPV-160A	160	545	702	100	63	80	60	25	18	200	18	300	390	430	530	5000 kgf	65
MPPV-160S	160	488	644	100	63	80	60	25	18	200	18	250	350	390	480	5000 kgf	59
MPPV-200A	200	605	762	110	63	95	60	25	18	220	18	340	460	490	600	5500 kgf	87

外藏式油壓虎鉗 Hydraulic Machine Vise



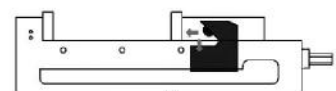
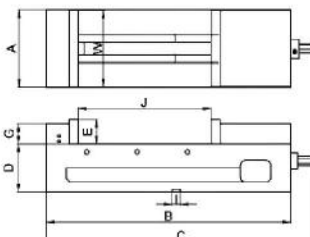
Model	A	B	C	D	E	G	L	J	夾持力	kg
PHV-130	130	505	795	72	55	55	180	220	4000 kgf	38
PHV-160	160	605	935	82	58	58	195	310	5000 kgf	58
PHV-200	200	700	1035	100	63	63	265	310	6000 kgf	95

內藏式油壓虎鉗 Hydraulic Machine Vise



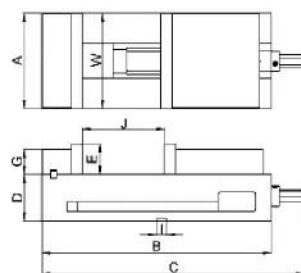
Model	A	B	D	E	G	L	開口			夾持力	kg
							X position	Y position	Z position		
HP-4"	106	440	58	36	35	147	0-60	60-110	110-170	2500 kgf	22
HP-5"	132	550	70.5	48	49.5	195	0-70	70-140	140-220	3000 kgf	38
HP-6"	152	620	82.5	53	52.5	210	0-100	100-200	200-300	4500 kgf	53
HP-8"	200	680	96	63	60	260	0-100	100-200	200-300	6000 kgf	85

拉長式立橫兩用虎鉗 Super Open Vise



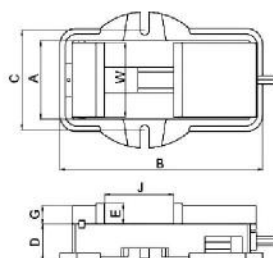
Model	A	B	C	D	E	G	I	W	J	kg
CHV-6"	154	485	550	92	48	40	16	153	270	42

角固式光面虎鉗 Lock-fixed Precision Machine Vise



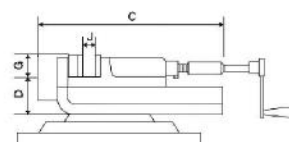
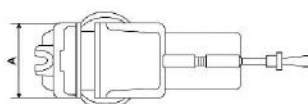
Model	A	B	C	D	E	G	I	W	J	夾持力	kg
MC-4"	106	280	324	58	36	28	16	102	100	1800 kgf	13
MC-5"	134	310	357	64	36	32	16	132	100	2000 kgf	19
MC-6"	153	368	424	75	48	40	16	152	150	2500 kgf	30
MC-8"	204	493	551	82	60	52	16	202	200	3000 kgf	62

角固式虎鉗 Precision Angle Lock Machine Vise



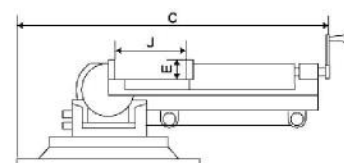
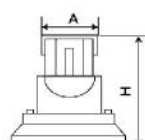
Model	A	B	D	E	G	W	J	夾持力	kg
SAV-4"	106	320	60	36	28	102	100	1800 kgf	15
SAV-5"	136	353	66	36	32	132	110	2000 kgf	23
SAV-6"	152	416	72	48	40	152	150	2500 kgf	31
SAV-6-1/2"	154	448	68	50	38	152	200	2500 kgf	33
SAV-8"	200	553	85	60	52	202	200	3000 kgf	59

兩向虎鉗 2-Way Angle Machine Vise



Model	A	C	D	G	J	kg
CU-6"	150	460	65	43	130	45

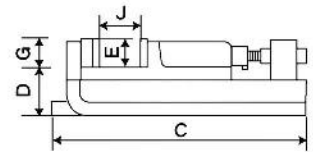
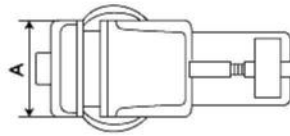
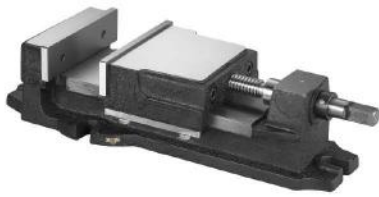
三向虎鉗 3-Way Angle Milling Vise



Model	A	C	E	H	J	Vertical Height	kg
CY-3"	80	400	30	144	90	385	17
CY-4"	106	460	38	172	100	470	32
CY-5"	132	625	40	205	140	590	51

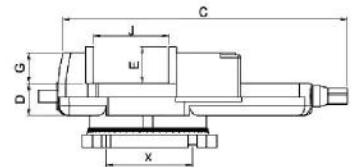
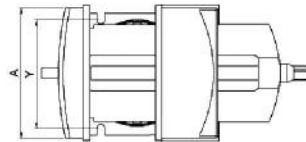


K型虎鉗 K-Type Milling Vise



Model	A	C	D	E	G	J	kg
SKV-4"	97	294	48	34	32	60	10
SKV-5"	125	368	60	36	34	80	16
SKV-6"	150	460	65	43	43	110	27
SKV-8"	200	620	85	63	60	150	58

鉋床虎鉗 Sharpening Machine Vise



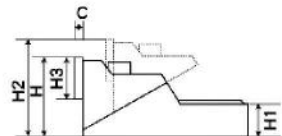
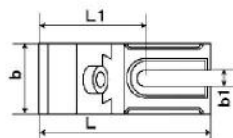
Model	A	C	D	E	G	X	Y	J	kg
SKV-12"	294	580	87	72	60	168	240	300	76
SKV-16"	396	700	98	85	82	250	290	400	117
SKV-20"	500	820	106	96	86	250	290	500	160

自由式虎鉗 Free Vise

SV 強力型

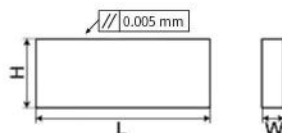


FV 普通型



Model	b	b1	L	L1	H	H1	H2	H3	C	kg
SV-62	62	18	125	72	58	22/30	72	46	14	8
SV-85	87	18	175	85	82	22/30	105	62	14	16
SV-125	125	18	200	103	92	22/30	150	69	14	25
FV-350	75	16	150	96	76	20/25	72	48	12	8
FV-450	98	18	200	120	96	22/27	105	60	14	13
FV-550	125	18	220	144	122	29/32	150	66	14	25

虎鉗平行板 Parallel Blocks

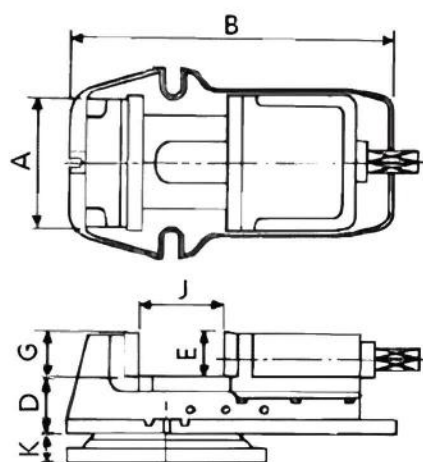


unit : mm

Model	W x H x L x Pcs	kg
GP-18	5 x 16 x 100 x 2	22
	6 x 18 x 100 x 2	
	8 x 24 x 100 x 2	
	10 x 30 x 100 x 2	
	12 x 36 x 150 x 2	
	14 x 48 x 150 x 2	
	18 x 60 x 150 x 2	
	22 x 62 x 150 x 2	
	15 x 31 x 200 x 2	

* 另有各種非標準平行板可訂做。

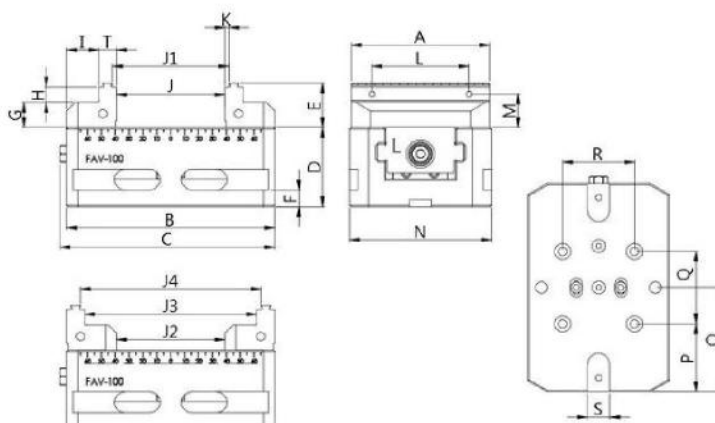
K型大開口虎鉗 K-Type Super Open Milling Vise



unit : mm

Model	A	B	D	E	G	K	J	kg
J-400	110	80	80	80	80	80	80	17
J-500	130	106	106	106	106	106	106	32
J-600	152	132	132	132	132	132	132	51

五軸虎鉗 5 Axis Precision Vise



unit : mm

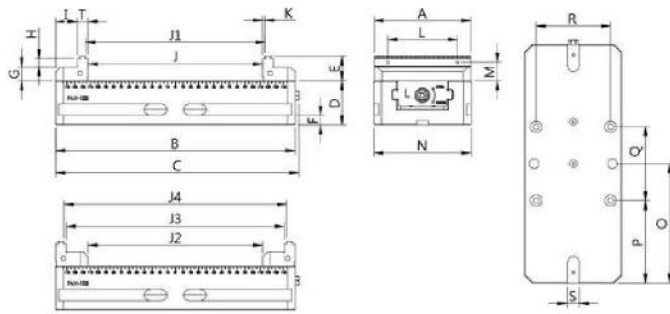
Model	A	B	C	D	E	F	G	H
FAV-77	77	130	135	38	27	10	13	11
I	T	K	L	M	N	O	P	Q
23	12	3	135	19	78	65	39	52
R	S	J	J1	J2	J3	J4	夾持力	淨重
52	16	60	66	60	106	112	1100kgf	4kgs

Model	A	B	C	D	E	F	G	H
FAV-100	100	150	155	57	32	12	18	11
I	T	K	L	M	N	O	P	Q
23	13	3	70	24	102	75	49	52
R	S	J	J1	J2	J3	J4	夾持力	淨重
52	16	78	84	78	124	130	1300kgf	5.8kgs

Model	A	B	C	D	E	F	G	H
FAV-125	125	210	215	57	32	12	18	11
I	T	K	L	M	N	O	P	Q
28	14	3	90	24	126	104	57	96
R	S	J	J1	J2	J3	J4	夾持力	淨重
96	16	126	132	126	182	188	1500kgf	11kgs



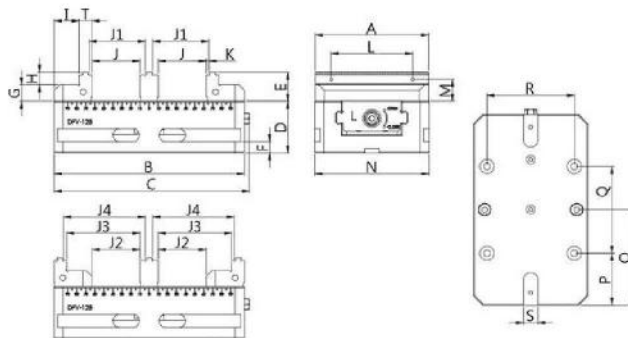
五軸虎鉗 5 Axis Precision Vise



unit : mm

Model	A	B	C	D	E	F	G	H
FAV-125-310L	125	310	315	57	32	12	18	11
I	T	K	L	M	N	O	P	Q
28	14	3	90	24	126	155	107	96
R	S	J	J1	J2	J3	J4	夾持力	淨重
96	16	226	232	226	282	288	1800kgf	13.5kgs

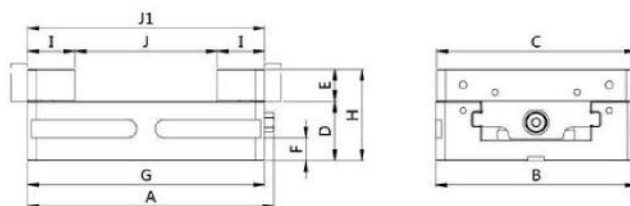
五軸雙夾式虎鉗 5 Axis Precision Vise- Double Lock



unit : mm

Model	A	B	C	D	E	F	G	H
DFV-125	125	210	215.5	57	32	12	18	14
I	T	K	L	M	N	O	P	Q
28	14	3	90	24	126	105	57	96
R	S	J	J1	J2	J3	J4	夾持力	淨重
96	16	53	62	53	81	90	1800kgf	10.6kgs

大開口五軸虎鉗 Big Open 5 Axis Precision Vise



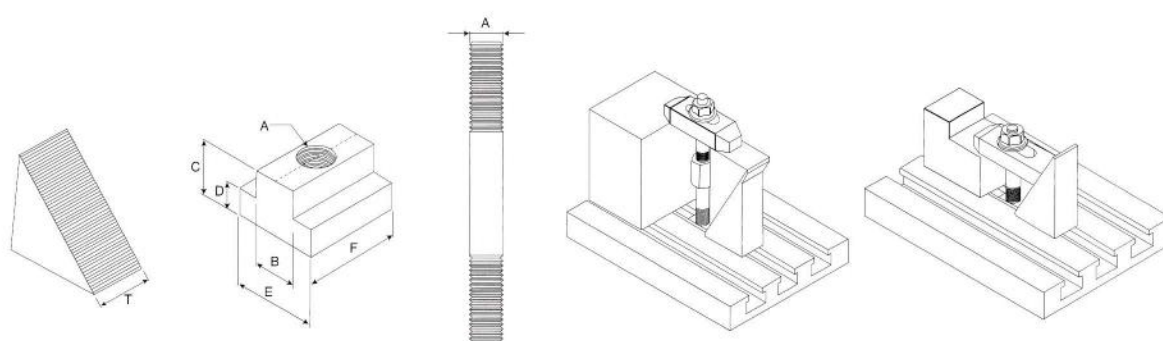
unit : mm

Model	A	B	C	D	E	F	G	H	I	J	J1	夾持力	淨重
FAV-220	270	220	218	65	35	25	260	100	52	156	260	2000kgf	32kgs
FAV-280	290	280	278	80	40	25	280	120	62	156	280	2500kgf	50kgs

萬能夾具組 52 Pcs 組合 Clamping Kit 52 Pcs Assembly



塑膠架 Plastic Frame



Packing	52 Pcs組合(塑膠架/木架/木箱) 52-PC set (plastic frame I wooden tray / wood en case)	
雙頭牙螺桿 Stud	24支	24 pcs
T型螺帽 T-slot nut	6個	6 pcs
法蘭螺帽 Flange nut	6個	6 pcs
連接螺帽 Coupling nut	4個	4 pcs
齒型壓板 Step clamp	6個	6 pcs
三角級枕 Step block	6組(12塊)	6 set (12 Pcs)

unit : mm

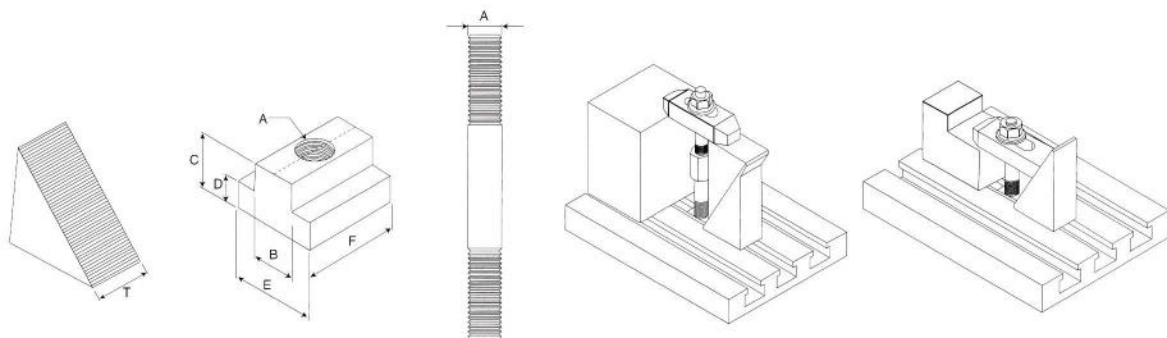
Model No. metric size 52-PC set	A	B	C	D	E	F	T	Packing
CK-8P	M8 x 1.25	9.7	12	6	16	20	25	Plastic frame
CK-10P	M10 x 1.5	11.5	12	6.8	17.5	22	25	Plastic frame
CK-12A1P	M12 x 1.75	13.8	15.9	8	22	28	25	Plastic frame
CK-12A2P	M12 x 1.75	15.5	16	8	25	28	25	Plastic frame
CK-12B1P	M12 x 1.75	13.8	15.9	8	22	28	32	Plastic frame
CK-12B2P	M12 x 1.75	15.5	16	8	25	28	32	Plastic frame
CK-14AP	M14 x 2.0	15.5	16	8	25	28	25	Plastic frame
CK-14BP	M14 x 2.0	15.5	16	8	25	28	32	Plastic frame
CK-16AP	M16 x 2.0	17.5	19	11	28	31	25	Plastic frame
CK-16BP	M16 x 2.0	17.5	19	11	28	31	32	Plastic frame
CK-18W	M18 x 2.5	19.5	24	12	32	38	38	Wooden tray
CK-20W	M20 x 2.5	21.7	28	14	35	38	38	Wooden tray
CK-24C	M24 x 3.0	27.5	36	18	44	49	50	Wooden case



木箱 Wooden Case



木箱架 Wooden Tray



unit : mm

Model No. inch size 52-PC set	A	B	C	D	E	F	T	Packing
CK-1031P	3/8"-16	10.8	12	5.5	17.5	22	25	Plastic frame
CK-1032P	3/8"-16	11.5	12	6.8	22	22	25	Plastic frame
CK-1033P	3/8"-16	13.8	15.9	8	22	28	25	Plastic frame
CK-104A(1/2-121)P	1/2"-12	13.8	15.9	8	22	28	25	Plastic frame
CK-104A(1/2-122)P	1/2"-12	15.5	16	8	25	28	25	Plastic frame
CK-104A(1/2-123)P	1/2"-12	17.5	19	11	28	31	25	Plastic frame
CK-104A(1/2-131)P	1/2"-13UNC	13.8	15.9	8	22	28	25	Plastic frame
CK-104A(1/2-132)P	1/2"-13UNC	15.5	16	8	25	28	25	Plastic frame
CK-104A(1/2-133)P	1/2"-13UNC	17.5	19	11	28	31	25	Plastic frame
CK-104B(1/2-121)P	1/2"-12	13.8	15.9	8	22	28	32	Plastic frame
CK-104B(1/2-122)P	1/2"-12	15.5	16	8	25	28	32	Plastic frame
CK-104B(1/2-123)P	1/2"-12	17.5	19	11	28	31	32	Plastic frame
CK-104B(1/2-131)P	1/2"-13UNC	13.8	15.9	8	22	28	32	Plastic frame
CK-104B(1/2-132)P	1/2"-13UNC	15.5	16	8	25	28	32	Plastic frame
CK-104B(1/2-133)P	1/2"-13UNC	17.5	19	11	28	31	32	Plastic frame
CK-105A1P	5/8"-11	17.5	19	11	22	31	25	Plastic frame
CK-105A2P	5/8"-11	18.6	19	11.9	25	31	25	Plastic frame
CK-105A3P	5/8"-11	20.2	25	14	28	38	25	Plastic frame
CK-105A1W	5/8"-11	17.5	19	11	28	31	25	Wooden tray
CK-105A2W	5/8"-11	18.6	19	11.9	31.8	31	25	Wooden tray
CK-105A3W	5/8"-11	20.2	25	14	32	38	25	Wooden tray
CK-105B1P	5/8"-11	17.5	19	11	28	31	32	Plastic frame
CK-105B2P	5/8"-11	18.6	19	11.9	31.8	31	32	Plastic frame
CK-105B3P	5/8"-11	20.2	25	14	32	38	32	Plastic frame
CK-1061W	3/4"-10	20.2	25	14	32	38	38	Wooden tray
CK-1062W	3/4"-10	21.7	28	14	35	38	38	Wooden tray
CK-1063W	3/4"-10	25	25	15.5	40	44.5	38	Wooden tray
CK-107C	7/8"-9	25	25	15.5	40	38	50	Wooden case
CK-108C	1"-8	27	38	17.5	40	49	50	Wooden case

SC

三爪連動夾頭
3-jaw scroll chuck plain
back, solid jaws



SIC

四爪連動夾頭
4-jaw scroll chuck plain
back, solid jaws



SK

三爪強力連動夾頭
3-jaw strong scroll chuck
plain back, 2-piece jaws



SIK

四爪強力連動夾頭
4-jaw strong scroll chuck
plain back, 2-piece jaws



KD

強力型三爪連動直裝夾頭
3-jaw strong scroll chuck D1
camlock direct mounting,
2-piece jaws



KA

強力型三爪連動直裝夾頭
3-jaw strong scroll chuck A1
direct mounting, 2-piece
jaws



SE

六爪連動夾頭
6-jaw scroll chuck plain
back



SKC

強力型生爪
Soft jaw for strong scroll
chuck



VRA

立車用中實油壓夾頭
Non through-hole power
chuck for vertical lathe
(adapter included)



N-200

三爪中空油壓夾頭/不含連接板
3-jaw through-hole power chuck
(adapter excluded)



N-200A

三爪中空油壓夾頭/含連接板
3-jaw through-hole power
chuck (adapter included)



NT-200

二爪中空油壓夾頭/不含連接板
2-jaw through-hole power
chuck (adapter excluded)



NIT-200

四爪中空油壓夾頭/不含連接板
4-jaw through-hole power
chuck (adapter excluded)



NHT-200

二爪三爪共用中空油壓夾頭
2-jaw and 3-jaw through-hole
power chuck (adapter
included)



NB-200A

三爪超大孔中空油壓夾頭/含連接板
3-jaw extra large through-hole
power chuck (adapter included)



VA

三爪中實油壓夾頭/不含連接板
3-jaw wedge type non
through-hole power chuck
(adapter included)



V

三爪中實油壓夾頭/不含連接板
3-jaw wedge type non
through-hole power chuck
(adapter excluded)



VT&VIT

二爪及四爪中實油壓夾頭/不含連接板
2-jaw and 4-jaw wedge type non
through-hole power chuck
(adapter excluded)



V(40"-79")

大型中實油壓夾頭/不含連接板
Large wedge type non
through-hole power chuck
(adapter excluded)



DV/DN

立式與臥式油壓夾頭系列
Vertical and Vertical Horizontal
Stationary Power Chuck



CR

筒夾夾頭
Collet chuck for
cylindrical center mount



CRA

筒夾夾頭
Collet Chuck for Short
Taper Mount





HJ

油壓夾頭硬爪
Hard jaw for hydraulic
power chuck



MS250C/MS300C

中實迴轉油壓缸/含逆止閥、檢知裝置
Non through-hole rotary
hydraulic cylinder (valve and
switch brackets included)



HC

油壓夾頭生爪
Soft Jaw for Hydraulic
Power Chuck



MH

中實迴轉油壓缸
Non through-hole rotary
hydraulic cylinder



T-NUTS

T型塊
Suitable for power chuck



HB4

強力置爪
Boring mill jaw



ADAPTER

連接板
Mounting adapter on
short taper spindle
noses DIN55026



F52

鋁輪圈夾頭
High speed and light weight
type strong finger chuck for
aluminum wheel



M

高速中空迴轉油壓缸
High Speed
Through-hole Rotary
Hydraulic Cylinder



F61

鋁輪圈夾頭
High speed and light weight
type strong finger chuck for
aluminum wheel



CM.B

油壓迴轉缸集水盒
Hydraulic cylinder
coolant collector



F66

鋁輪圈夾頭
High speed and light weight type
strong finger chuck for
aluminum wheel



MK

超高速薄型中空迴轉油壓缸
Super high speed through-hole
compact rotary hydraulic
cylinder



BL

三爪搖擺式夾頭
3-jaw ball swing
lock chuck



ML-CM.B

超大孔徑迴轉油壓缸
Extra large through-hole
rotary hydraulic cylinder



DR

三爪後拉式夾頭
3-jaw draw down
power chuck



MM

高速精短型中空迴轉油壓缸
Super high speed and compact
through-hole rotary hydraulic
cylinder



P165

浮動頂針夾頭
Floating plate
center chuck



MS

中實迴轉油壓缸/含逆止閥
Non through-hole rotary
hydraulic cylinder
(valve included)



HN

三爪超高速中空油壓夾頭/含連接板
3-jaw extra high speed
through-hole power chuck
(adapter included)



MF-C/MS-C

中實迴轉油壓缸/含逆止閥、檢知裝置
Non through-hole rotary
hydraulic cylinder (valve and
switch brackets included)

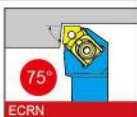
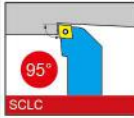
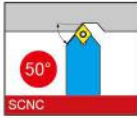
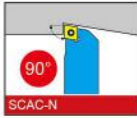
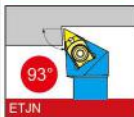
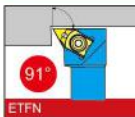
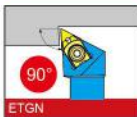
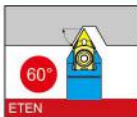
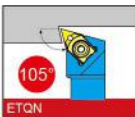
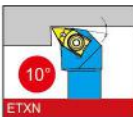
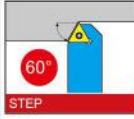
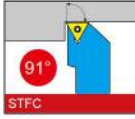
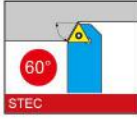
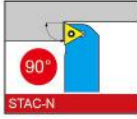
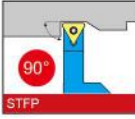
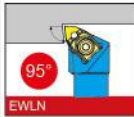
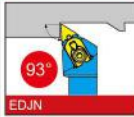
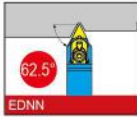
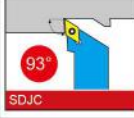
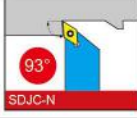
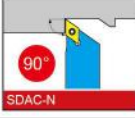
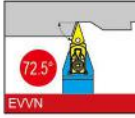
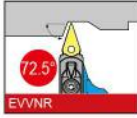
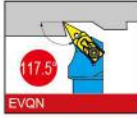
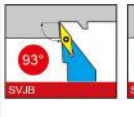
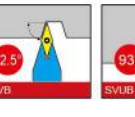
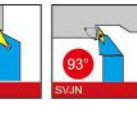
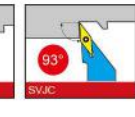
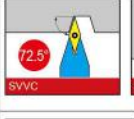
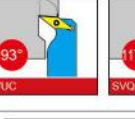
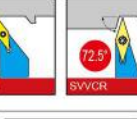
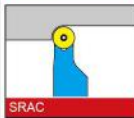
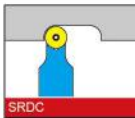
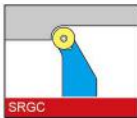
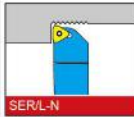
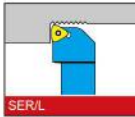
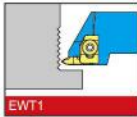
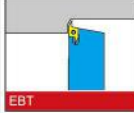


PB-ES

氣壓連接式夾頭
Pneumatic power chuck



外徑車刀架 Tool Holder Series

刀片尺寸 Insert Type	構造 Structure	加工方式 Tooling						
 80° 菱形 Diamond Type C	雙重鎖緊式 Double Clamp	 95° ECLN	 75° ECKN	 75° ECRN	 40° ECMNN	 50° ECMNN-A		
	螺絲鎖緊式 Screw-on	 95° SCLC	 95° SCLC-N	 50° SCNC	 90° SCAC-N			
 三角形 Triangular Type T	雙重鎖緊式 Double Clamp	 93° ETJN	 91° ETFN	 90° ETGN	 60° ETEN	 105° ETQN	 10° ETXN	
	螺絲鎖緊式 Screw-on	 60° STEP	 91° STFC	 60° STEC	 90° STAC-N	 90° STFP		
 六角形 Hexagon Type W	雙重鎖緊式 Double Clamp	 95° EWLN						
 55° 菱形 Diamond Type D	雙重鎖緊式 Double Clamp	 93° EDJN	 107.5° EDQN	 62.5° EDNN				
	螺絲鎖緊式 Screw-on	 93° SDJC	 107.5° SDQC	 62.5° SDNC	 93° SDJC-N	 90° SDAC-N		
 35° 菱形 Diamond Type V	雙重鎖緊式 Double Clamp	 93° EVJN	 72.5° EVVN	 72.5° EVVNR	 117.5° EVQN			
	螺絲鎖緊式 Screw-on	 93° SVJB	 72.5° SVVB	 93° SVUB	 117.5° SVQB	 93° SVJN	 93° SVJC	
		 72.5° SVVC	 93° SVUC	 117.5° SVQC	 93° SVJC(B)-N	 72.5° SVVCR	 90.5° SVKC	 90.5° SVKB
 正方形 Square Type S	雙重鎖緊式 Double Clamp	 45° ESDN	 75° ESDN	 75° ESKN	 45° ESSN			
	螺絲鎖緊式 Screw-on	 45° SSSC						
 圓形 Round Type R	螺絲鎖緊式 Screw-on	 SRAC	 SRDC	 SRGC				
 外徑牙刀 External Holder ER/IR	螺絲鎖緊式 Screw-on	 SER/L-N	 SER/L	 ESER/L	 EWT1			
小型車床加工 Mini-Tool Holder	螺絲鎖緊式 Screw-on	 EBT						



內徑車刀架 Boring Bar Series

刀桿材質 Shape Type	刀桿形狀 Tool Type	刀片形狀 Insert Shape	加工方式 Tooling	柄徑(D) Shank Dia. (mm)													
				04	05	06	08	10	12	14	16	20	22	25	32	40	50
鋼 Steel	S-SCLC						●	●	●	●	●	●		●	●		
	S1600-SCLC										●						
硬質合金 Carbide	C-SCLC			●	●	●	●	●	●		●	●		●			
鋼(帶出水孔) Steel (with oil hole)	A-SCLC						●	●	●		●	●		●			
	A0000-SCLC						●	●	●		●						
鋼 Steel	S-SCZC						●	●	●		●	●		●			
	S-SCKC						●	●	●		●	●		●			
	S-SCLP							●	●	●	●	●		●			
硬質合金 Carbide	C-SCLP							●	●		●	●		●			
鋼 Steel	S-STUC						●	●	●	●	●	●		●	●		
硬質合金 Carbide	C-STUC						●	●	●		●	●					
鋼 Steel	S-STFC						●	●	●		●	●		●			
硬質合金 Carbide	C-STFC						●	●	●		●	●					
鋼(帶出水孔) Steel (with oil hole)	A-STFC						●	●	●		●						
	A0000-STFC							●	●		●						

刀桿材質 Shape Type	刀桿形狀 Tool Type	刀片形狀 Insert Shape	加工方式 Tooling	柄徑(D) Shank Dia. (mm)													
				04	05	06	08	10	12	14	16	20	22	25	32	40	50
鋼 Steel	S-STWC						●	●	●		●	●		●			
	S-STUP (STUB)						●	●	●	●	●	●		●			
	S1600-STUP										●						
硬質合金 Carbide	C-STUP						●	●	●		●	●					
鋼(帶出水孔) Steel (with oil hole)	A-STUP						●	●	●		●	●					
鋼 Steel	S-STFP							●	●		●	●					
	S-SDUC							●	●		●	●		●	●		
硬質合金 Carbide	C-SDUC							●	●		●	●		●			
鋼(帶出水孔) Steel (with oil hole)	A-SDUC							●	●		●						
	A0000-SDUC							●	●		●						
鋼 Steel	S-SDQC							●	●		●	●		●	●		
硬質合金 Carbide	C-SDQC							●	●		●	●		●			
鋼(帶出水孔) Steel (with oil hole)	A-SDQC							●	●		●						
	A0000-SDQC							●	●		●						
鋼 Steel	S-SDZC							●	●		●	●		●	●		
	S-SDJC						●	●	●		●	●		●			

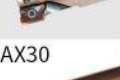


刀桿材質 Shape Type	刀桿形狀 Tool Type	刀片形狀 Insert Shape	加工方式 Tooling	柄徑(D) Shank Dia. (mm)													
				04	05	06	08	10	12	14	16	20	22	25	32	40	50
鋼 Steel	S-SVJC							●	●		●	●		●	●		
	S-FSVJC										●	●		●			
	S-SVUC										●	●		●			
	S-SVQC										●	●		●			
	S-SVJB							●	●		●	●		●	●		
	S-FSVJB										●	●		●			
	S-SVUB										●	●		●			
	S-SVQB										●	●		●			
	S-SSSC								●		●	●		●			
	S-SSKC								●		●	●		●			
	S-SWLC						●	●	●		●	●					
	S1600-STUB											●					
硬質合金 Carbide	C-STUB					●											
鋼 Steel	S0000-SWUB					●		●	●		●						
硬質合金 Carbide	C-SWUB				●	●											

刀桿材質 Shape Type	刀桿形狀 Tool Type	刀片形狀 Insert Shape	加工方式 Tooling	柄徑(D) Shank Dia. (mm)													
				04	05	06	08	10	12	14	16	20	22	25	32	40	50
鋼 Steel	●S-ECLN ○S-MCLN 		95° 									○	○		○	●	●
	●S-ECKN ○S-MCKN 		75° 										○		○	●	●
	●S-ETUN ○S-MTUN 		93° 									○	○		○	●	●
	S-ETLN 		95° 										●		●		
	S-MTFN 		91° 										●		●	●	●
	●S-ETQN ○S-MTQN 		105° 										○		○	●	●
	●S-EWLN ○S-MWLN 		95° 									○	○		○	●	●
	●S-EDUN ○S-MDUN 		93° 											○	○	●	●
	●S-EDQN ○S-MDQN 		107.5° 												○	○	●
	S-MDZN 		93° 													●	●
	●S-EVUN ○S-MVUN 		93° 												○	○	●
	●S-EVQN ○S-MVQN 		117.5° 												○	○	●
	●S-EVLN ○S-MVLN 		95° 												○	○	●
	S-MSKN 		75° 										●		●	●	●
	SINR/L 								●	●		●	●		●	●	



銑刀系列 End Mill Series

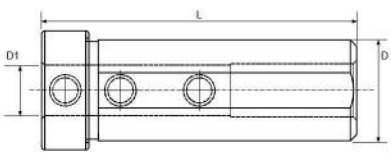
刀桿形狀 Tool Type	刀片形狀 Insert Shape	外徑(D) Shank Dia. (mm)																									
		08	10	11	12	13	14	16	17	18	20	21	22	25	26	28	30	31	32	33	35	40	48.8	50	63	63.8	
EAPMC(D)00 								●	●		●	●		●	●				●		●	●		●			
EAX20-O 							●	●		●	●		●	●		●	●		●			●		●	●		
EAX20 							●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●		
EAX30-O 														●		●	●		●		●	●		●	●		
EAX30 														●	●	●	●		●	●	●	●		●	●		
E90AP00 					●		●	●	●	●	●	●		●	●				●		●	●		●			
EZC 									●	●	●	●		●	●		●			●		●	●		●	●	
EAP 				●	●	●	●		●	●		●			●					●							
ED90AP00 			●	●	●	●		●	●		●	●		●	●						●	●					
EC00M00000 		●	●		●			●			●			●					●								
(E)RD(HA)0R0 			●	●	●	●		●	●		●	●		●	●		●		●		●						
TS00-C00 														●			●	●			●	●	39	49			
SAE-00 											●			●			●				●	●	45	●	●		
TC45° 														●								●					
TM45° 												●						●					●		●		
TM60° 													●						●					●		●	



內/外徑切斷刀 Internal / External Grooving

刀桿形狀 Tool Type		產品型號 Model No.															
		16-3M	20-2M	20-3M	20-4M	25-2M	25-3M	25-4M	25-5M	32-3M	32-4M						
ECDGR/L	DGM30			●			●			●							
EGHGR	GIP	●	●	●	●	●	●	●	●								
ETGDR	TGMF	●		●	●		●	●	●								
刀桿形狀 Tool Type	刀片 Insert	產品型號 Model No.															
		10B-2D-14	10B-3D-14	12B-2D-14	12B-3D-14	16B-2D-14	16B-3D-14	16B-3D-16	16B-4D-16	20B-2D-14	20B-2D-16	20B-3D-20	20B-4D-20	25B-2D-14	25B-3D-20	25B-4D-20	25B-5D-25
EDGTR	DGN	●	●	●	●	●		●		●		●		●	●		
EGEHR	MGMN					●	●			●	●	●	●	●	●	●	●
EDGHR/L	DGM							●	●				●		●	●	●
刀桿形狀 Tool Type	刀片 Insert	產品型號 Model No.															
		20K-2D-14	20K-2D-16	20K-3D-20	20K-4D-20	25M-2D-16	25M-3D-09	25M-3D-20	25M-4D-09	25M-4D-20	25M-5D-25						
EDYHR/L	GY2M	●	●	●	●	●	●	●	●	●	●						

套筒 Sleeve

材質 Shank	套筒 Sleeve	產品型號 Model No.	寸法 Dimension (mm)			零件 Parts 螺絲 Screw
			D1	D	L	
鋼 Steel	 	EHR-0625	6	25	64	ES-606
		EHR-0825	8	25	64	
		EHR-1025	10	25	64	
		EHR-1225	12	25	64	
		EHR-1625	16	25	64	
		EHR-2025	20	25	64	
		EHR-0632	6	32	100	ES-610
		EHR-0832	8	32	100	ES-810
		EHR-1032	10	32	100	
		EHR-1232	12	32	100	
		EHR-1632	16	32	100	ES-806
		EHR-2032	20	32	100	ES-810
		EHR-2532	25	32	100	ES-806
		EHR-0640	6	40	100	ES-610
		EHR-0840	8	40	100	
		EHR-1040	10	40	100	
		EHR-1240	12	40	100	ES-810
		EHR-1640	16	40	100	
		EHR-2040	20	40	100	
		EHR-2540	25	40	100	ES-806
		EHR-3240	32	40	100	ES-610
		EHR-0650	6	50	100	ES-810
		EHR-0850	8	50	100	
		EHR-1050	10	50	100	
		EHR-1250	12	50	100	
		EHR-1650	16	50	100	
		EHR-2050	20	50	100	
		EHR-2550	25	50	100	
		EHR-3250	32	50	100	
		EHR-4050	40	50	100	ES-808

精密桌上車床 Precision Bench Lathe

C-15
C-20
C-25A/B



C-32A/B
C-42
C-45



unit : mm

型式 Model	C-15	C-20	C-25 ^A _B	C-32	C-42 ^A _B	C-45
項目 Item						
最大加工直徑 Max. dia of processing	● 15 ■ 10 ● 12	● 20 ■ 16 ● 12	● 25 ■ 17 ● 22	● 32 ■ 22 ● 27	● 42 ■ 29 ● 33	● 45 ■ 30 ● 35
主軸轉速 Main spindle rotaing speed	1100 / 1800 / 3000 rpm	850 / 1480 / 2550 rpm		610 / 1035 / 1690 / 2560 / 305 / 518 / 845 / 1325 rpm		
主滑板行程 (前) (後) Main sliding travel(F)(R)	75	100			120	
前副滑板行程 Front aux. slding travel	60	70			90	
前副滑板迴轉角度 Front aux. siding rolaing arge	360°	360°			360°	
後副滑板行程 Rear aux. sliding travel	50	60			90	
尾座心軸外徑 Outer dia. of tallstock	20	30			38	
內孔錐度 Morse taper	MT#1	MT#2			MT#3	
尾座心軸行程 Tallstock quill travel	75	90			110	
工作物旋徑 Swing over bed	192	230			340	
頂心間距離 Distance between centers	160	200			250	
驅動動力 Dniving power	1HP / Clutch Motor	2HP / Clutch Motor			3HP	
機械尺寸 Machine size	710 x 400 x 950	960 x 500 x 1080			1000 x 545 x 1140	
機械重量 N.W.	125 kgs	220 kgs			360 kgs (380 kgs)	

* 上列規格僅供參考，規格及尺寸如有變更，恕不另行通知。

We reserve the right to modify the designs & specifications, so that, those are subjected to change, without prior notice.

特別附件 Optional Accessories

A 上部切刀架	Up-cutting tool rack
- 自動送料架	Auto bar feeder
- 冷卻液供給裝置	Coolant equipment
- 各型彈性筒夾	Comprehensive collet chucks
- 送料管及支架	Bar feeding tube & support
B 空油壓迴轉缸	Pneu.-hyd. rotating cylinder
C 空壓自動夾持裝置	Pneu, auto clamping device
D 主軸可裝三爪泊壓夾頭	The spindle can be installed 3-jaw hyd. chuck which size: 3", 4", 5", 6"



A 固定式
Fixed type



A 側移滑動式
Side sliding type



B



C



D



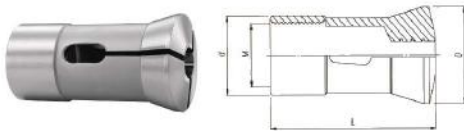
桌上車床筒夾 Collet for Lathe

後拉式外牙筒夾 Pull Type Outer Threaded Collet



型號 Type	大徑 D	小徑 d	長度 L Length	螺紋 M Thread	最大尺寸 Diameter Max.			備註 Remarks
	Diameter				●	●	■	
YB15	26	19	76	M18.1 x P1.2	15	13	10	
YB20	33	25	102	M24 x P1.5	20	17	14	
YB25	39.5	32	102	M31.3 x 20T	25	21	17	
YB32	49.5	39	120	M38 x 18T	32	27	22	
YB42	64	52	138	M50 x 16T	42	36	29	

後拉式內牙筒夾 Pull Type Inner Threaded Collet



型號 Type	大徑 D	小徑 d	長度 L	螺紋 M Thread	最大尺寸 Diameter Max.			備註 Remarks
	Diameter		Length		●	●	■	
C25	41.5	34	82	M29 x 20T	25	21	17	SD25A
C32	49.5	42	95	M38 x 20T	32	27	22	SD32A
C45	64.5	54.5	100	M50 x 20T	45	39	32	
SD45	68	56	120	M51 x 20T	45	39	32	
SD52	68	61	120	M56 x 20T	52	45	36	

前推式CNC筒夾 Push Type CNC Collet



型號 Type	大徑 D 小徑 d		長度 L Length	最大尺寸 Diameter Max.			備註 Remarks
	Diameter			●	●	■	
CNC42	60	48	94	42	36	29	
CNC52	70	58	94	52	45	36	

六角筒夾 Hex Collet



型式 Model	牙距 / 斜度 Pitch / Taper	外徑 O.D. (mm)	長度 Length (mm)	最大挾持能力 Chucking
C-4/CT-4	1/4-28 UNF	6	24	Ø4
C-5/CT-5	5/16-24 UNF	8	31.5	Ø5.5
C-6/CT-6	3/8-24 UNF	10	36	Ø7
C-9/CT-9	1/2-20 UNF	14	46	Ø10
C-12/CT-12	5/8-18 UNF	17	50	Ø12
C-14/CT-14	3/4-16 UNF	21	54	Ø14

絲攻尺寸表 (JIS) Tap Size

絲攻尺寸表 (JIS) TAP SIZE					
1/4" Ø1.0 ~ 4.0 Drill: D-4 Tap: DT-4	5/16" Ø1.0 ~ 5.5 Drill: D-5 Tap: CT-5	3/8" Ø2.0 ~ 6.0 Drill: C-6 Tap: CT-6	1/2" Ø2.1 ~ 9.0 Drill: C-9 Tap: CT-9	5/8" Ø3.0 ~ 12 Drill: C-12 Tap: CT-12	3/4" Ø5 ~ 14 Drill: C-14 Tap: CT-14
	公制 (牙) mm	英制 (牙) inch	英制 (牙) inch	直徑 diameter	四角 square
CT-12	M2 / M2.5	-	-	3	2.5
	M3 / M3.5	U1/18	W1/8	4	3.2
	M4 / M4.5	U5/32	-	5	4
	M5 / M5.5	U3/16	-	5.5	4.5
	M6	U1/4	W1/4	6	4.5
	-	U5/16	W5/16	6.1	5
	M7 / M8	-	-	6.2	5
	M9 / M10	U3/8	W3/8	7	5.5
	M11	U7/16	W7/16	8	6
	M12	-	-	8.5	6.5
	-	U1/2	W1/2	9	7

桌上車床開閉爪 Toggle

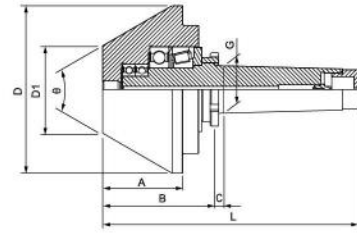
SD-32, YB-25, YB-42



TSC-80 傘型重負荷迴轉頂針 TSC-80 Bull Nose Heavy Cutting Center Type

Applicatuon:

- * 適用大孔徑重切削。本頂針，頭部使用合金鋼材經熱處理，內、外研磨製成。
- * It is applicable to metal working on large bore. The head is made of alloy steel which is heat treated and grinded inside and outside.



unit : mm

Model No.	A	B	C	D	D1	G	L	θ	軸承最高轉速 Max R.P.M.	軸承徑向力(載重) Radial force	軸承軸向力(推刀) Axial force
TSC-80-3"-4A	65	112	4	77	15	31.267 (MT4)	216	60°	2500 rpm	2200 kg	2500 kg
TSC-80-4"-4A	80	127	4	107	25	31.267 (MT4)	231	60°	2500 rpm	2200 kg	2500 kg
TSC-80-5"-4A	90	137	4	128	40	31.267 (MT4)	241	60°	2200 rpm	3200 kg	3800 kg
TSC-80-6"-4A	107	152	4	157	45	31.267 (MT4)	256	60°	2200 rpm	3200 kg	3800 kg
TSC-80-8"-4A	110	157	4	207	107	31.267 (MT4)	261	60°	2000 rpm	5300 kg	5600 kg
TSC-80-3"-5A	65	112	5	77	15	44.399 (MT5)	243	60°	2500 rpm	2200 kg	2500 kg
TSC-80-4"-5A	80	127	5	107	25	44.399 (MT5)	258	60°	2500 rpm	2200 kg	2500 kg
TSC-80-5"-5A	90	137	5	128	40	44.399 (MT5)	268	60°	2200 rpm	3200 kg	3800 kg
TSC-80-6"-5A	107	152	5	157	45	44.399 (MT5)	283	60°	2200 rpm	3200 kg	3800 kg
TSC-80-8"-5A	110	157	5	207	107	44.399 (MT5)	288	60°	2000 rpm	5300 kg	5600 kg
TSC-80-10"-5A	110	157	5	257	157	44.399 (MT5)	288	60°	2000 rpm	5300 kg	5600 kg
TSC-80-12"-5A	110	157	5	306	206	44.399 (MT5)	288	60°	2000 rpm	5300 kg	5600 kg
TSC-80-5"-6A	90	141	6	128	40	63.348 (MT6)	327	60°	2200 rpm	3200 kg	3800 kg
TSC-80-6"-6A	107	156	6	157	45	63.348 (MT6)	342	60°	2200 rpm	3200 kg	3800 kg
TSC-80-8"-6A	110	161	6	207	107	63.348 (MT6)	347	60°	2000 rpm	5300 kg	5600 kg
TSC-80-10"-6A	110	161	6	257	157	63.348 (MT6)	347	60°	2000 rpm	5300 kg	5600 kg
TSC-80-12"-6A	110	161	6	306	206	63.348 (MT6)	347	60°	2000 rpm	5300 kg	5600 kg

精準度 : 0.002 mm 以內 Precision $\leq$ 0.002 mm

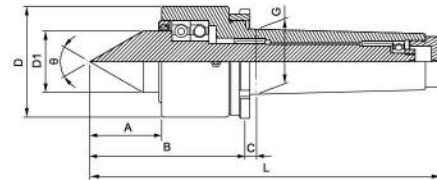
SC-60 高速強力迴轉頂針 SC-60 High Strength Live Center Type

Applicatuon:

- * 本頂針承軸採用斜度長滾柱軸承，三點支撐排列結構製成。鋼性強，穩定性佳，適用長軸心重負荷車削加工。
- * The center bearing constitute oblique long ball bearing and NK Type ball with three holds arranging in order. It is well stable and rigid, applied to long spindle heavy cutting.

Lubricator:

- * You can use specialized SKF lubricant and it is water proofed.
- * 注油式：可添加專用 SKF 潤滑油，具防水性。



unit : mm

Model No.	A	B	C	D	D1	G	L	θ	軸承最高轉速 Max R.P.M.	軸承徑向力(載重) Radial force	軸承軸向力(推刀) Axial force
SC-60-H-4	54	97	9	78	34.8	31.267 (MT4)	205	60°	5000 rpm	1900 kg	1600 kg
SC-60-H-5	62	109	9	83	44.8	44.399 (MT5)	244	60°	5000 rpm	3000 kg	2200 kg
SC-60-H-6A	70	152	10	108	59.9	63.348 (MT6)	342	60°	3000 rpm	5000 kg	3500 kg

精準度 : 0.002 mm 以內 Precision $\leq$ 0.002 mm

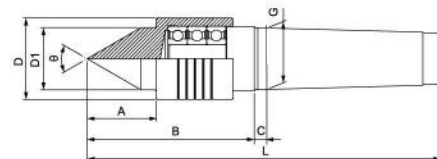
SC-92 輕負荷迴轉頂針 SC-92 Fixed Light Center Type

Applicatuon:

- * Suitable for light-duty cutting with medium speed to process small workpiece within 250mm length.

Features:

- * Oil Lubricating regularly to extend use life.
- * Fixed Center point.



unit : mm

Model No.	A	B	C	D	D1	E	G	L	θ	軸承最高轉速 Max R.P.M.	軸承軸向力(推刀) Axial force
SC-92-L-2	40	105	6	48	35	112	17.780 (MT2)	174	60°	3500 rpm	160 kg
SC-92-L-3	40	105	8	48	35	113	23.825 (MT3)	192	60°	3000 rpm	250 kg
SC-92-L-4	40	105	9	48	35	114	31.267 (MT4)	213	60°	2600 rpm	400 kg
SC-92-L-5	50	121	9	59	45	130	44.399 (MT5)	256	60°	2200 rpm	800 kg

精準度 : 0.002 mm 以內 Precision $\leq$ 0.002 mm



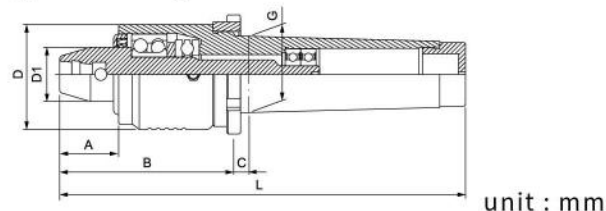
SC-61尖部替換式中負荷迴轉頂針 SC-61 Replaceable High Speed Medium Load Center Type

Applicatuon:

- * 本頂針適合 400mm 長以內一般車削加工。
- * 本頂針軸承，徑向力和軸向力分開設計，採用雙列滾珠軸承，滾珠止推軸承，和 NK 型滾針軸承結構製成。
- * The center applies to general cutting in 400 mm fength. Radial force and axial fore are designed apart. It constitutes two lines ball bearing, thrust ball bearing and NK Type ball bearing.

Lubricator:

- * You can use specialized SKF lubricant and it is water proofed.
- * 注油式：可添加專用 KF 潤滑油，具防水性。



unit : mm

Model No.	A	B	C	D	D1	G	L	軸承最高轉速 Max R.P.M.	軸承徑向力(載重) Radial force	軸承軸向力(推刀) Axial force
SC-61-M-3	34	89	8	57	31.2	23.825 (MT3)	176	4500 rpm	1200 kg	1800 kg
SC-61-M-4	34	89	9	57	31.2	31.267 (MT4)	197	4500 rpm	1300 kg	2200 kg
SC-61-M-5	34	89	9	57	31.2	44.399 (MT5)	224	4500 rpm	1400 kg	2300 kg
SC-61-M-3A	34	101	8	57	31.2	23.825 (MT3)	188	4500 rpm	1200 kg	1800 kg
SC-61-M-4A	34	101	9	57	31.2	31.267 (MT4)	209	4500 rpm	1300 kg	2200 kg
SC-61-M-5A	34	101	9	57	31.2	44.399 (MT5)	236	4500 rpm	1400 kg	2300 kg

精準度：0.005 mm 以內 Precision ≤ 0.005 mm

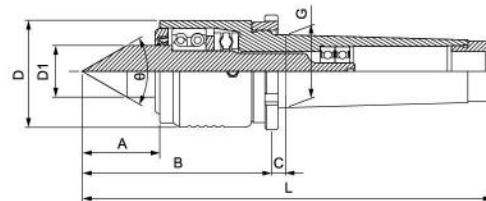
SC-62重負荷迴轉頂針 SC-62 Fixed Heavy Load Center Type

Applicatuon:

- * 本頂針適合 400mm 長以內衣班車削加工。
- * The center applies to general cutting in 400mm length.

Lubricator:

- * You can use specialized SKF lubricant and it is water proffed.
- * 注油式：可添加專用 SKF 潤滑油，具防水性。



unit : mm

Model No.	A	B	C	D	D1	G	L	θ	軸承最高轉速 Max R.P.M.	軸承徑向力(載重) Radial force	軸承軸向力(推刀) Axial force
SC-62-H-4	48	104	9	62	31.2	31.267 (MT4)	212	60°	4000 rpm	1430 kg	2700 kg
SC-62-H-5	48	104	9	62	31.2	44.399 (MT5)	239	60°	4000 rpm	1430 kg	2700 kg
SC-62-H-4A	48	116	9	62	31.2	31.267 (MT4)	224	60°	4000 rpm	1430 kg	2700 kg
SC-62-H-5A	48	116	9	62	31.2	44.399 (MT5)	251	60°	4000 rpm	1430 kg	2700 kg

精準度：0.002 mm 以內 Precision ≤ 0.002 mm

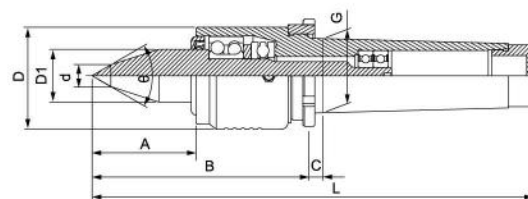
SC-63中負荷細長迴轉頂針 SC-63 Fixed Threadlike High S0peed Medium Load Center Type

Applicatuon:

- * 本頂針適合 400mm 以內一般車削加工。
- * The center applies to general cutting in 400mm length.

Lubricator:

- * You can use specialized SKF lubricant and it is water proffed.
- * 注油式：可添加專用 SKF 潤滑油，具防水性。



unit : mm

Model No.	A	B	C	D	D1	G	d	L	θ	軸承最高轉速 Max R.P.M.	軸承徑向力(載重) Radial force	軸承軸向力(推刀) Axial force
SC-63-M-3	60	115	8	57	31.2	23.825 (MT3)	12	202	60°	4500 rpm	1200 kg	1800 kg
SC-63-M-4	60	115	9	57	31.2	31.267 (MT4)	12	223	60°	4500 rpm	1300 kg	2200 kg
SC-63-M-5	60	115	9	57	31.2	44.399 (MT5)	12	250	60°	4500 rpm	1400 kg	2300 kg
SC-63-M-3A	60	127	8	57	31.2	23.825 (MT3)	12	214	60°	4500rpm	1200 kg	1800 kg
SC-63-M-4A	60	127	9	57	31.2	31.267 (MT4)	12	235	60°	4500 rpm	1300 kg	2200 kg
SC-63-M-5A	60	127	9	57	31.2	44.399 (MT5)	12	262	60°	4500 rpm	1400 kg	2300 kg

精準度：0.002 mm 以內 Precision ≤ 0.002 mm

鑽頭研磨機 Drill Re-sharpening Machine



Model No.	YD-213	YD-320
尺寸 Dimension	260 x 160 x 160 mm	
鑽頭尺寸 Capacity	2-13 mm	3-20 mm
重量 Weight	8kg	
馬達轉速 Speed of wheel	5000 ± 300 rpm	
馬達電壓 Motor voltage	110V/220V	
鑽石砂輪 Grinding wheel	CBN: for HSS (choose one) SD: for Tungsten, Carbide	
配件 Accessories	ER20 collet 2-13 mm Extension rod x 2 Hex wrench x 2 Power cord	same YD-213 plus+ ER25 collet 14-20 mm ER25 chuck set

U2 雕刻刀研磨機 U2 Universal Tool Grinder



規格 Specification	
最大夾持直徑 Max. Collet capacity	Ø18 mm
最大研磨直徑 Max. Grinding dia.	Ø25 mm
推拔角度 Taper angle	0° ~ 180°
離隙角 Reliet angle	0° ~ 45°
負推拔角度 Negative angle	0° ~ 26°
主軸轉速 Speed	3600 r.p.m.
皿型砂輪直徑 Cup grinding wheel	100 x 50 x 20 mm
馬達 Motor	110V/220V 1/3HP 50/60HZ
淨重 Net weight	45 kgs
機械尺寸(LxWxH) Machine dimensions	45 x 40 x 35 cm
包裝材積(LxWxH) Packing dimensions	54 x 44 x 48 cm



銑刀研磨附件
End mill grinding attachment



鑽頭研磨附件
Twist drill grinding attachment



車刀研磨附件
Lathe tool grinding attachment



鑽石砂輪
Diamond grinding wheel

快速端銑刀研磨機 End Mill Re-sharpening Machine



Model No.	GH-413	GH-1225
研磨範圍 Capacity	Ø4 mm ~ Ø13 mm	Ø12 mm ~ Ø25 mm
先端角 Axial angles	Primary angle 6° second angle 20° Third angle 30°	
電源 Power	AC 110V AC 220V 50/60 HZ	
馬達 Motor	400W	1000W
轉速 Speed	5000 RPM	4300 RPM
包裝材積 Packing Dimensions	310 x 255 x 290 (mm)	365 x 293 x 345 (mm)



鍊條式油水分離機 Oil Skimmer Stainless Chain



主要參數 Specifications	
刮油深度 Depth	150 mm / 350 mm
電壓 Power Require	110V / 220V
鍊條寬度 Belt Width	70 mm
鍊條 Belt	Stainless
長*寬*高 L*W*H	37 x 20 x 21 cm
淨重 Net Weight	5 kgs / 6 kgs

銑刀研磨機 End Mill Re-Sharpening Machine



規格 Specifications	M-312	M-320
研磨刀具 Cutting Tool	2/3/4/6 Flutes Mill	
刀具材質 Tool Material	HSS. Carbide	
研磨尺寸 Sharpen Diameter	3 - 12 mm	3 - 20 mm
研磨角度 Sharpen Degree	0° - 3°	
電源 Power	110V 60Hz / 220V 50Hz	
運轉速度 Motor Speed	5000±3% R.P.M	
外型尺寸 L*W*H	300 x 160 x 210 mm	
重量 Net Weight	12 kgs	15 kgs

切斷&段差二用機 Cutting-Off Machine



規格 Specifications	C-312	C-320
切斷範圍 Cutting Range	3 - 12 mm	3 - 20 mm
刀具材質 Tool Material	HSS. Carbide	
運轉速度 Motor Speed	5500±3% R.P.M	
電源 Power	110V 60HZ / 220V 50HZ	
外型尺寸 L*W*H	470*240*250 mm	
重量 Weight	12.5 Kgs	
配件 Accessories Collet	ER20-4/6/8/10/12mm (5PCS)	ER20-4/6/8/10/12/14/16/18/20mm (9PCS)
配件 Accessories	Diamond Wheel*2pcs Wrench*2pcs	

拉力計 Clamping Force Gauge



型號 Model	德製WIKA壓力錶測範圍 WIKA Pressure Gauge Measuring range	重量 Weight
BT30-45°	0~160 kg/cm ² Tolerance ± 0.16 kg	2.00 kg
BT30-60°		
BT30-90°		
BT40-45°	0~250 kg/cm ² Tolerance ± 0.16 kg	2.53 kg
BT40-60°		
BT40-90°		
BT50-45°	0~350 kg/cm ² Tolerance ± 0.16 kg	4.50 kg
BT50-60°		
BT50-90°		

萬能刀具磨床 Universal Tool Grinder

Features:

- * 工作台採用鋼珠驅動，移動平滑。
 - * 美觀堅固，適用於各類刀具研磨。
 - * 風壓軸座係用經熱處理的鋁合金及不鏽鋼管操作簡單且精密度高。
 - * 主軸座可作上下 160mm 的升降。
 - * 採用蝸桿和蝸輪傳動，可調整砂輪頭的旋轉及角度。
 - * 立柱可作 360 度的旋轉。
 - * 能消除前後進給螺桿間隙。
- * Work table is driven by steel rollers for smooth movement.
 - * Pretty and sturdy, suitable for various tools grinding.
 - * Pneumatic axis seat is made of headed treated aluminum alloy, easy operation And high accuracy.
 - * Main spindle is able to up or down for 160mm.
 - * Driven by worm and gear, grinding wheel's swivel and angle are adjustable.
 - * Column is able to swivel for 360.
 - * Eliminate forward/backward feed rod screw's paly.



型號	Model	CT-610
頂針距離	Distance between center	250 mm (10")
工作台面積	Working table area	133 x 470 mm (5.2"x 18.5")
工作台左右行程	Longitudinal travel of table	250 mm
工作物最大有效直徑	Swing over table	208 mm (8")
工作台前後行程	Cross travel of saddle	160 mm (6.3")
工作台旋轉角度	Swivel adjustment of table	0°
砂輪頭上下行程	Vertical adjustment of wheel	190 mm (7.5")
立柱旋轉角度	Swivel adjustment of column	360°
砂輪頭傾斜角度	Vertical tilting range wheel head	360°
砂輪尺寸	Saucer wheel	150 mm (6")
	Diameter of wheel Flaring cup	125 mm (5")
砂輪轉速	Speed of wheel	50 Hz - 2850 rpm
		60 Hz - 3450 rpm
馬達	Motor	1 PH - 1/3 HP, 110 ~ 240V
		3 PH - 1/3 HP, 220 ~ 460V
裝箱尺寸	Measurement (L x W x H)	762 x 686 x 762 mm (30"x 27"x 30")
重量	Weight	淨重 N.W. 125 kg
		毛重 G.W. 160 kg



C1RG R 端銑刀研磨座
Radius attachment



C2SH 銑刀研磨座
Sensitive work head B&S taper



C2LH 車刀研磨座
Work holding fixture



C2AH 端銑刀研磨座
End mill grinder.
Air bearing fixture
5C, 5C collet taper



C2R1 萬向刀引引導桿
Universal tooth rest
(a: mm, b: inch)



5C 筒夾 5C collet
5C collet to fit AC01 collet sleeve
and C2AH air bearing fixture.
5CI: 1/4", 3/8", 1/2", 5/8", 3/4", 5/16", 1"
5CM: 6, 8, 10, 12, 16, 20, 25 mm (7 pcs)



AW101 6" 鑽石砂輪
6" Diamond cup wheel
(150 x 50 x 31.75 mm)
AW102 4" 鑽石砂輪
4" Diamond cup wheel
(100 x 50 x 31,75 mm)



A	B	C	D	E
齒管外徑	主軸斜度	主軸長度	套環長度	主軸外徑
Dia of quill	Spindle taper	Spindle length	Collar length	Spindle diameter

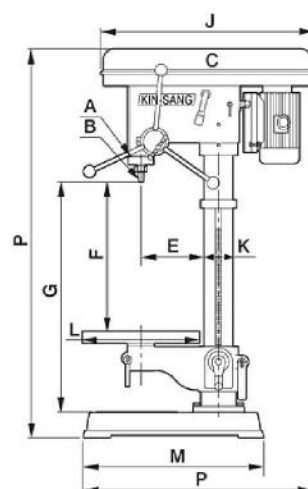
精密鑽孔機系列 High Precision Drilling Machine

KSD Series

Features:

- * 進刀快速、深度精確、聲音靜悄悄。
- * 全機型採用 F25 鑄鋼，韌性夠、耐磨。
- * 全機型齒管採用球狀鑄鋼，含油性高、耐磨。

- * Fast feed. Accurate drilling depth & minimum noise.
- * The machine is manufactured from high quality cast iron (FC 25), featuring maximum durability and wear resistance.
- * The quill is manufactured from ductile iron with high oil content for maximum wear resistance.



unit : mm

型號	Model	KSD-13	KSD-16	KSD-25	KSD-32
齒管直徑	Diameter Of Quill	Ø52	Ø65	Ø80	Ø95
主軸斜度	Spindle Taper	JT6# (1/2)	MT2#	MT3#	MT3# (MT4#)
主軸段數	Spindle Step	4	9	9	9
主軸行程	Spindle Travel	85	85	115	140
主軸至圓柱	Spindle To Column	175	175	215	230
主軸至圓盤	Spindle To Table	430	460	660	630
主軸至底座	Spindle To Base	610	640	950	930
鑽孔能力	Drilling Capacity	Ø3-Ø13	Ø3-Ø16	Ø6-Ø25	Ø8-Ø32
上蓋尺寸	Cover Sizes (LxWxH)	608 x 214 x 110	608 x 214 x 110	727 x 255 x 137	725 x 262 x 157
圓柱直徑	Column Diameter	Ø80	Ø80	Ø92	Ø102
圓盤直徑	Table Diameter	Ø320	Ø320	Ø380	Ø420
底座尺寸	Base Sizes (LxW)	500 x 300	500 x 300	615 x 380	615 x 385
迴轉數	Speed	50 Hz	500-2300	170-2100	120-1500
		60 Hz	600-2750	200-2500	135-1700
馬達	Motor	1/2 P-4P	1HP-4P	2HP-4P	2HP-6P
機械尺寸	Machine Sizes (LxWxH)	680 x 325 x 1085	680 x 325 x 1085	780 x 380 x 1510	840 x 420 x 1545
機械重量	Machine Weight	90kg	95kg	154kg	205kg



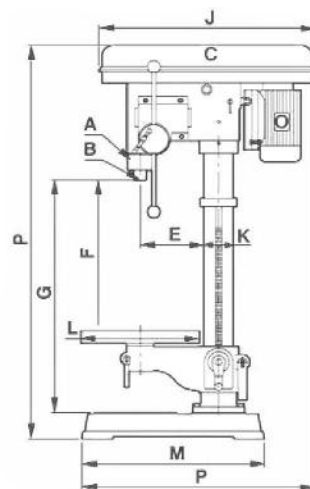
自動鑽孔機系列 Automatic Drilling Machine

KSA Series

Features:

* 自動、半自動鑽床搭配水箱，一人可操作多台鑽床，不必人工用力，使工作效率倍增。

* When the automatic or semiautomatic drilling is equipped with coolant tank, one operator can operate several drilling machines. It provides effortless operation while greatly increasing efficiency.



unit : mm

型號	Model	KSA-16B	KSA-191	KSA-25B
齒管直徑	Diameter Of Quill	Ø65	Ø80	Ø95
主軸斜度	Spindle Taper	MT2#	MT2#	MT3# (MT4#)
主軸段數	Spindle Step	4	4	6
主軸行程	Spindle Travel	100	110	140
主軸至圓柱	Spindle To Column	175	232	230
主軸至圓盤	Spindle To Table	420	-	630
主軸至底座	Spindle To Base	620	460	930
鑽孔能力	Drilling Capacity	Ø4-Ø16	Ø4-Ø19	Ø8-Ø25
上蓋尺寸	Cover Sizes (LxWxH)	608 x 214 x 125	720 x 260 x 105	725 x 262 x 157
圓柱直徑	Column Diameter	Ø80	Ø95	Ø102
圓盤直徑	Table Diameter	Ø320	Ø340 x 340	Ø420
底座尺寸	Base Sizes (LxW)	500 x 300	580 x 425	615 x 385
迴轉數	Speed	50 Hz	450-1700	375-1670
		60 Hz	550-2000	450-2000
馬達	Motor	1HP-4P	1HP-4P	2HP-6P
機械尺寸	Machine Sizes (LxWxH)	650 x 410 x 1090	795 x 425 x 1025	810 x 450 x 1545
機械重量	Machine Weight	105kg	198kg	210kg

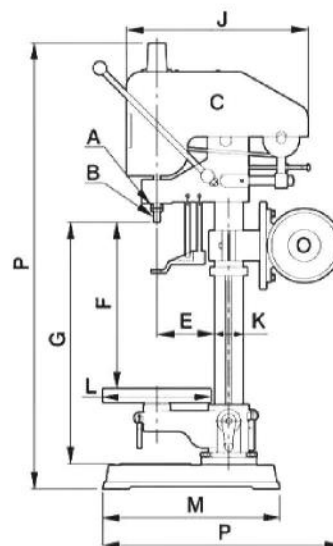
攻牙機系列 Tapping Machine

KST Series

Features:

* 攻牙數量少，薄鐵片使用黎盒氣攻牙更適合，攻牙量多，厚材質使用電子攻牙機，更省力、更快速。

* The clutch controlled tapping machine is suitable for small lot and thin sheet metal. For mass production, the electronic tapping machine is suggested for effortless and fast tapping operations.



KST-10, KST-13 離合器攻牙機
Clutch Controlled Tapping Machine

KST-560, KST-670 電子鑽攻兩用機
Electronic Drilling Tapping Machine

unit : mm

型號	Model	KST-10	KST-13	KST-340	KST-560	KST-670
齒管直徑	Diameter Of Quill	Ø15	Ø52	Ø65	Ø80	Ø95
主軸斜度	Spindle Taper	JT2#(3/8)	JT6#(1/2)	MT2#	MT3#	MT3#(MT4#)
主軸段數	Spindle Step	2	3	9	9	9
主軸行程	Spindle Travel	30	45	85	115	140
主軸至圓柱	Spindle To Column	126	175	175	214	230
主軸至圓盤	Spindle To Table	260	460	430	660	630
主軸至底座	Spindle To Base	440	640	610	950	930
鑽孔能力	Drilling Capacity	-	-	Ø3-Ø16	Ø6-Ø30	Ø8-Ø32
攻牙能力	鋼鐵 Steel	Ø2-Ø6	Ø5-Ø10	Ø5-Ø10	Ø8-Ø16	Ø8-Ø19
	鑄鐵 Cast Iron	Ø2-Ø10	Ø5-Ø13	Ø5-Ø13	Ø8-Ø19	Ø8-Ø21
上蓋尺寸	Cover Sizes (LxWxH)	360 x 150 x 226	530 x 215 x 255	608 x 214 x 110	727 x 225 x 137	725 x 262 x 157
圓柱直徑	Column Diameter	Ø60	Ø73 x Ø80	Ø80	Ø92	Ø102
圓盤直徑	Table Diameter	Ø230	Ø320	Ø320	Ø380	Ø420
底座尺寸	Base Sizes (LxW)	380x235	500x300	500x300	615x385	615x385
迴轉數	Speed	50 Hz	710-1120	260-720	170-2300	110-1450
		60 Hz	850-1360	310-860	200-2700	130-1700
馬達	Motor	1/2 HP-4P	1HP-4P	1/2 HP-6P	1HP-6P	2HP-4P
機械尺寸	Machine Sizes (LxWxH)	510 x 250 x 950	610 x 310 x 1170	680 x 320 x 1085	780 x 380 x 1510	840 x 420 x 1545
機械重量	Machine Weight	60 kg	110 kg	100 kg	157 kg	205 kg



萬向油壓攻牙機 Universal Hydraulic Tapping Machine

標準配件：

- * 油壓攻牙機主軸
- * 平行手臂
- * 固定座
- * 旋臂
- * 工作桌
- * 電氣控制箱
- * 油壓系統
- * 絲攻扭扭筒夾 6 PCS

Standard Accessories:

- * Hydraulic tapping spindle
- * Parallel arm
- * Table mounting column
- * Radial jib
- * Work Table
- * Electric-Controlled Device
- * Electric Motor, Hydraulic Box
- * Choose any six safety clutch tapping adapters

型號	Model	HT-20H	HT-24H	HT-36H
攻牙能力	Tapping capacity	M5-M20	M5-M24	M5-M36
主軸轉速	Speed RPM	50 / 500 rpm	50 / 350 rpm	50 / 200 rpm
工作範圍	Work Range	50 m/m - 2000 m/m		
攻牙夾具	Tapping fixtures	#2-TC820		#3-TC1433
油壓壓力	Hydraulic Pressure	120 kg		200 kg
馬達	Motor	5 HP		
額定電壓	Power supply	AC 220V / 380V, 50/60 Hz. 3-PHASE		
工作桌尺寸	Bench Dimension	850 m/m x 680 m/m x 870 m/m		
包裝尺寸	Package Size	1190 m/m x 1190 m/m x 1160 m/m		
淨重	Net Weight	350 kg		
毛重	Gross Weight	450 kg		



90°萬向攻牙轉換機 90° and Various Tapping Device



Model	Weight (kg)
GT-10-90°	1.5kg
GT-12-90°	1.5kg
GT-16-90°	1.5kg

Model	Weight (kg)
GT-20-90°	2.5kg
GT-20-90°	2.5kg

氣動攻牙主軸系列 Air Tapping Spindle Series



型號	Model	GT-031	GT-032	GT-033	GT-034	GT-035
攻牙能力	Tapping Capacity	M3-M10	M3-M12	M3-M16	M3-M20	M3-M24
空壓壓力	Air Pressure	6-8 kg/cm ²	6-8 kg/cm ²	6-8 kg/cm ²	6-8 kg/cm ²	6-8 kg/cm ²
重量	Speed	700 rpm	400 rpm	300 rpm	160/500 rpm	250/90 rpm
轉速	Weight	2.5 kg	2.5 kg	2.5 kg	4 kg	4 kg

立式氣壓攻牙機 Vertical Air Tapping Machine

GT-10VL / GT-12VL / GT-16VL

Standard Accessories:

- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-10VL	GT-12VL	GT-16VL
攻牙能力 Tapping Capacity		M3-M10	M3-M14	M3-M16
主軸轉速 Speed RPM		700 rpm	400 rpm	300 rpm
工作範圍 Work Range		300 m/m- 2000 m/m		
攻牙夾具 Tapping Fixtures		TC321-#1		
空壓壓力 Air Pressure		6kg-8kg		
包裝尺寸 Package Size		900 m/m x 500 m/m x 200 m/m		
淨重(kg) Net Weight (kg)		26 kg		



GT-10VM / GT-12VM / GT-16VM

Standard Accessories:

- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-10VM	GT-12VM	GT-16VM
攻牙能力 Tapping Capacity		M3-M10	M3-M14	M3-M16
主軸轉速 Speed RPM		700 rpm	400 rpm	300 rpm
工作範圍 Work Range		250 m/m- 1500 m/m		
攻牙夾具 Tapping Fixtures		TC321-#1		
空壓壓力 Air Pressure		6kg-8kg		
包裝尺寸 Package Size		900 m/m x 500 m/m x 200 m/m		
淨重(kg) Net Weight (kg)		25 kg		



GT-10VS / GT-12VS / GT-16VS

Standard Accessories:

- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-10VS	GT-12VS	GT-16VS
攻牙能力 Tapping Capacity		M3-M10	M3-M14	M3-M16
主軸轉速 Speed RPM		700 rpm	400 rpm	300 rpm
工作範圍 Work Range		200 m/m- 1100 m/m		
攻牙夾具 Tapping Fixtures		TC321-#1		
空壓壓力 Air Pressure		6kg-8kg		
包裝尺寸 Package Size		900 m/m x 500 m/m x 200 m/m		
淨重(kg) Net Weight (kg)		25 kg		





GT-20VL / GT-24VL

Standard Accessories:

- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-20VL	GT-24VL
攻牙能力 Tapping Capacity		M3-M20	M3-M24
主軸轉速 Speed RPM		500/160 rpm	250/90 rpm
工作範圍 Work Range		400 m/m - 2500 m/m	
攻牙夾具 Tapping Fixtures		TC820-#2	
空壓壓力 Air Pressure		6kg - 8kg	
包裝尺寸 Package Size		1460 m/m x 600 m/m x 200 m/m	
淨重(kg) Net Weight (kg)		45kg	



GT-20VM / GT-24VM

Standard Accessories:

- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-20VM	GT-24VM
攻牙能力 Tapping Capacity		M3-M20	M3-M24
主軸轉速 Speed RPM		500/160 rpm	250/90 rpm
工作範圍 Work Range		400 m/m - 2000 m/m	
攻牙夾具 Tapping Fixtures		TC820-#2	
空壓壓力 Air Pressure		6kg - 8kg	
包裝尺寸 Package Size		1460 m/m x 660 m/m x 320 m/m	
淨重(kg) Net Weight (kg)		45kg	



GT-20VS / GT-24VS

Standard Accessories:

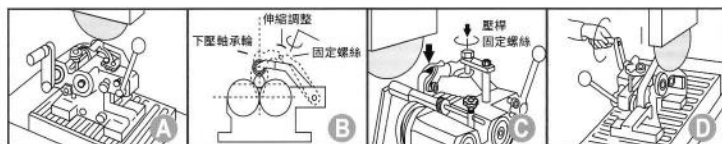
- * 氣動攻牙主軸 / Air tapping spindle
- * 平型手臂 / Parallel arm
- * 固定座 / Table mounting column
- * 三點組合 / Air unit
- * 6 pcs 絲攻扭力筒夾 / Choose any six safety clutch tapping adapters
- * 旋臂 / Radial jib

規格 Specification		GT-20VS	GT-24VS
攻牙能力 Tapping Capacity		M3-M20	M3-M24
主軸轉速 Speed RPM		500/160 rpm	250/90 rpm
工作範圍 Work Range		300 m/m - 1600 m/m	
攻牙夾具 Tapping Fixtures		TC820-#2	
空壓壓力 Air Pressure		6kg - 8kg	
包裝尺寸 Package Size		1270 m/m x 660 m/m x 320 m/m	
淨重(kg) Net Weight (kg)		35kg	



PUNCH GRINDER

-

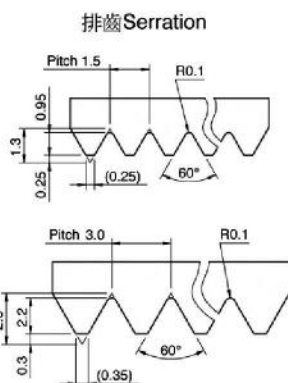
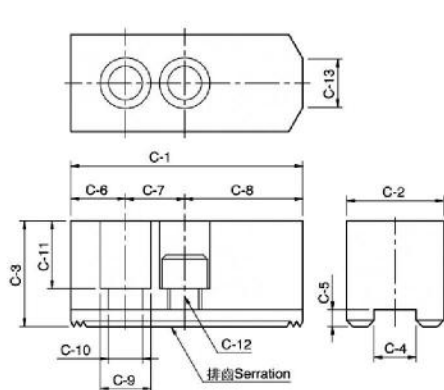
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油壓夾頭生爪 Soft Jaw For Hydraulic Power Chuck

Features:

- * 油壓夾頭用生爪。
- * cnc 車床用生爪。



Model	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	排齒節距	適合夾頭	三爪重量(kg)
HC04	53	23	23	10	5	9	14	30	14	9	14	M8	3	1.5 x 60°	N-204	0.45
HC05	62	25	30	10	5	9	14	39	14	9	21	M8	5	1.5 x 60°	N-205	0.7
HC06	73	31	36	12	5	15	20	38	17	11	21	M10	14	1.5 x 60°	N-206, NB-306, V-206	1.5
HC08	95	35	37	14	5	24	25	46	19	13	22	M12	16	1.5 x 60°	N-208, NB-208, V-208	2.4
HC10	110	40	42	16	5	30	30	50	19	13	27	M12	18	1.5 x 60°	N-210, NB-210, V-210	3.7
HC12	130	50	50	21	5	39	30	61	25	17	33	M16	23	1.5 x 60°	N-212, NB-212	6.5
HC15	165	62	62	22	8	37	43	85	32	21	38	M20	-	1.5 x 60°	N-215, N-218, NB-215, NB-218	12.5
HC08-1	95	35	37	12	5	24	20	51	17	11	21	M10	14	1.5 x 60°	NHT-208	2.4
HC12-1	130	50	50	18	5	39	30	61	23	15	30	M14	23	1.5 x 60°	V-212, V-212R	6.6
HC15-1	165	62	62	25.5	5	37	43	85	32	21	38	M20	-	1.5 x 60°	V-215, V-218, V-215R, V-218R	12.5
HC24-1	180	64	70	25	9	40	60	80	32	21	45	M20	-	3.0 x 60°	N-220, N-224, V-221, V-224	15.8
HC32-1	210	74	90	25	9	40	80	90	32	21	65	M20	-	3.0x 60°	V-221R, V-224R	29.2
HC15-2	156	64	70	26	9	34	50	72	32	21	45	M20	-	3.0x 60°	V-232	13.4
															V-215(P3.0), V-218(P3.0),	

油壓夾頭硬爪 Hard Jaw For Hydraulic Power Chuck

Features:

- * 油壓夾頭用硬爪。
- * cnc 車床用硬爪。

Fig-1

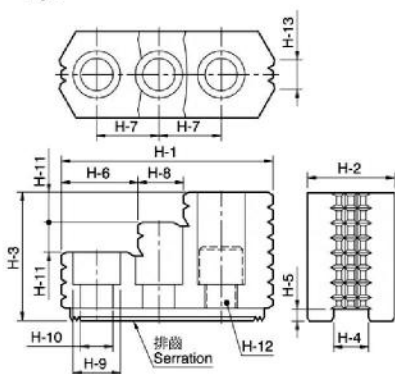
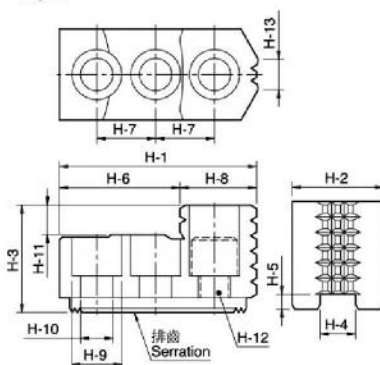


Fig-2



Model	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11	H-12	H-13	排齒節距	參考圖	適合夾頭	三爪重量(kg)
HJ05	53	23	27.5	10	4	30.5	14	22.5	13.5	8.5	10	M8	6	1.5 x 60°	Fig-2	N-204, N-205	0.4
HJ06	67	31	35	12	5	39.5	20	27.5	17	11	12	M10	11	1.5 x 60°	Fig-2	N-206, V-206	1.0
HJ08	86	35	51	14	5	31	25	18	19	13	12	M12	12	1.5 x 60°	Fig-1	N-208, V-208	1.9
HJ10	99.5	40	54	16	5	43	30	17	19	13	13	M12	15	1.5 x 60°	Fig-1	N-210, V-210	2.9
HJ12	103	50	52	21	4	62.5	30	40.5	25	17	17	M16	30	1.5 x 60°	Fig-2	N-212	3.5
HJ12-1	103	50	52	18	5	62.5	30	40.5	22	15	17	M14	30	1.5 x 60°	Fig-2	V-212	3.6
HJ15	149	62	86	22	8	63	43	34	32	21	20	M20	40	1.5 x 60°	Fig-1	N-215, N-218	9.6
HJ15-1	149	62	86	25.5	5	63	43	34	32	21	20	M20	40	1.5 x 60°	Fig-1	V-215, V-218	9.5
HJ24-1	159.5	80	90	25	9	104.5	50	55	32	21	40	M20	55	3.0 x 60°	Fig-2	N-220, N-224, N-232	14.3
PB600	140	60	75	25.5	6	50.35	38	49.86	31	21	19	M20	21.1	3/32" x 90°	Fig-1	PB-ES600	7.2
PB850	220	75	85	30	6.5	130	62	90	38	26	30	M25	35	3/32" x 90°	Fig-2	V-221, V-224, V-232	20.2

標準型永磁盤 Permanent Magnetic Chuck

GL Type

磁場強度 450 GAUSS 以上

Magnetic field intensity: Higher than 450 GAUSS

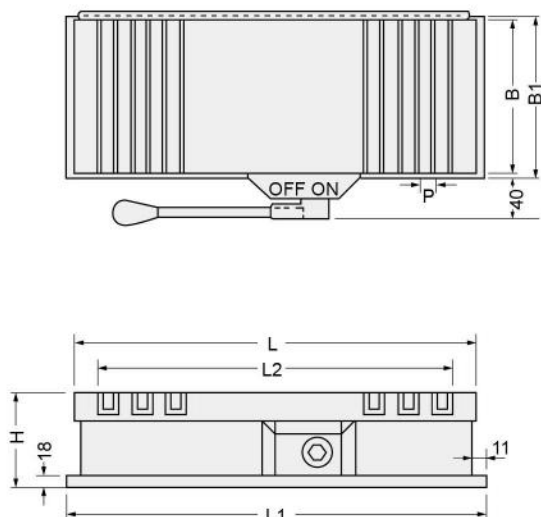


Application:

- * 適用於平面磨床、放電加工機、鑽銑複合機上之研磨或輕切削。
- * Suitable for grinding and light cutting on surface grinder, EDM and drilling & milling machine.

Features:

- * 發揮永久性之強磁力，不須使用電源，無漏電之顧慮。
- * 作業面板經焊錫處理，可防止滲水、滲油。
- * 活動扳手使用方便，不佔空間。
- * Requires no power source because of permanent powerful magnetic force. No electricity leakage trouble.
- * The face plate under soldering treatment prevents, ensures no water leakage or oil leakage trouble.
- * Convenient adjustable spanner occupies few space only.



unit : mm

型號 Model	尺寸 Dimension	磁面盤 Face Plate			底座 Bottom Plate		磁極間距 Pole Pitch	開關部份 Switch Type	高度 Height	重量 Weight (kg)
		B	L	L2	B1	L1	P		H	
GL-407	100 x 180	100	180	137	104	200	8.5 (2.5+6)	活動式六角扳手 Movable Hexsgon Wrench	73	10
GL-510	125 x 250	125	250	191	130	270				15
GL-612	150 x 300	150	300	245	156	320				21
GL-614	150 x 350	150	350	299	156	375				24
GL-618	150 x 450	150	450	389	156	475				31
GL-816	200 x 400	200	400	335	206	420				36
GL-818	200 x 450	200	450	389	206	475				39
GL-820	200 x 500	200	500	443	206	520				45
GL-824	200 x 600	200	600	533	206	620	18 (3+15)	固定式扳手 Fixed Wrench	90	53
GL-1020	250 x 500	250	500	417	254	530				64
GL-1224	300 x 600	300	600	525	304	630				90

* 型錄上產品規格尺寸僅供參考，以本公司實際產品為準，變更時恕不另行通知。

* The specifications and dimensions of products in the catalogs are for reference only.
Subject to be changed without any notice.



開關式永久吊盤 ON/OFF Type Permanent Magnetic Lifter

GPL Type

Features:

- * Very easy operation with the special design of ON/OFF switch.
- * Easy-Locked function, provides you switch on and lock the handle at the same time.
- * Working-piece surface will not be damaged during the working.
- * High holding magnetic power, this lifter can be used successive. Electro power is no necessary for the lifter to avoid power failure problem.

Warning:

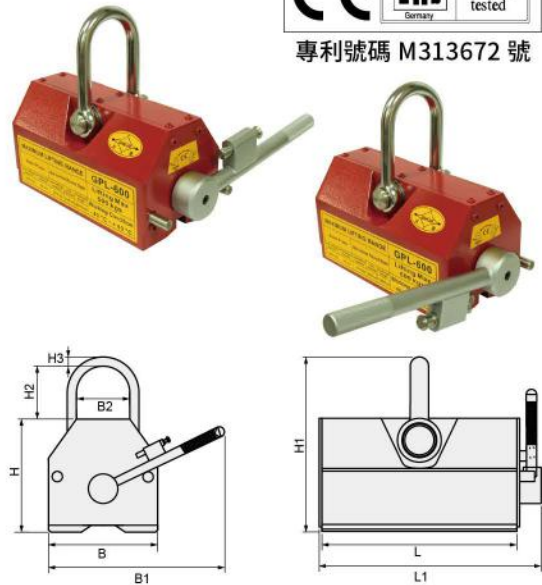
- * Before lifting a work-piece, please check if any foreign-material or iron chip exists between the lifter and work-piece, please clean up the surface of the lifter and work-piece.
- * Checks the switch position to make sure it is set correctly, and also checks the held work-piece if it is being held completed and balanced before lifting.
- * Please do not switch the handle "on" if it is not being used to avoid any damage caused.

Caution:

- * Please do not use the product if the working piece surface temperature is higher than 80°C degree.



專利號碼 M313672 號



unit : mm

型號 Model	吊重能力 Capacity (kg)	吸著面 Chucking Face		尺寸 Dimension							最大吊重範圍 Max Lifting Range					安全係數 Safety Coefficient	重量 Weight (kg)
											鐵板 Steel Plate		實心圓鋼 Not Hollow Round Steel				
		B	L	H	B1	L1	H1	B2	H2	H3	Max.Lifting Capacity(kg)	Min.Thickness Required(mm)	Max.Lifting Capacity(kg)	Max. Diameter(mm)	Maximum Length(mm)		
GPL-100	100	63	92	71	164	110	122	32	43	8	100	15	45	150	1000	x3.5	3
GPL-300	300	93	165	96	210	185	170	45	62	13	300	25	135	250	1500	x3.5	11
GPL-600	600	122	236	120	303	265	227	59	92	15	600	30	270	350	2000	x3.5	26
GPL-1000	1000	171	263	164	413	298	302	95	116	20	1000	40	450	450	2500	x3.5	58
GPL-2000	2000	232	378	215	576	415	390	119	148	28	2000	55	870	550	3000	x3.5	135
GPL-3000	3000	290	454	290	690	500	550	150	228	32	3000	80	1320	650	3500	x3.5	266

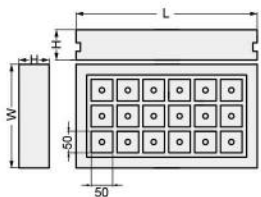
* 型錄上產品規格尺寸僅供參考，以本公司實際產品為準，變更時恕不另行通知。

* The specifications and dimensions of products in the catalogs are for reference only.
Subject to be changed without any notice.

永電式電磁盤 Permanent Electromagnetic Chuck

GLI Type

unit : mm



尺寸規格表 Dimension Specifications									
型號 Model	寬 W	長 L	高 H	磁極數 Pole Pcs	磁距 Pole Distance	中柱 Interval	控制器TYPE Controller	淨重 (kg)	輸出電壓 Output Voltage
GLI-2443	240	430	67	18	10	0	1N1C	46	DC 160V
GLI-2449	240	490	67	21	10	0	1N1C	52	
GLI-2461	240	610	67	27	10	0	1N1C	64	
GLI-2479	240	790	67	36	10	0	1N1C	84	
GLI-2495E	240	950	70	42	10	1	1N2C	105	
GLI-3031	300	310	67	16	10	0	1N1C	41	
GLI-3043	300	430	67	24	10	0	1N1C	57	
GLI-3061	300	610	67	36	10	0	1N1C	81	
GLI-3083E	300	830	70	48	10	1	1N2C	115	
GLI-3095E	300	950	72	56	10	1	1N2C	135	
GLI-4243	420	430	67	36	10	0	1N1C	80	
GLI-4259E	420	590	67	48	10	1	1N2C	110	
GLI-4283E	420	830	70	72	10	1	1N2C	161	
GLI-42105E	420	1050	72	90	10	2	1N3C	210	
GLI-4859E	480	590	72	56	10	1	1N2C	135	
GLI-4881E	480	810	72	77	10	2	1N3C	185	
GLI-4899E	480	990	78	98	10	2	1N3C	235	
GLI-48115E	480	1150	75	112	10	3	1N4C	273	
GLI-6059E	600	590	75	72	10	1	1N2C	175	
GLI-6081E	600	810	75	99	10	2	1N3C	241	
GLI-60115E	600	1150	78	144	10	3	1N4C	355	
客製化									

* Other specifications are available, please inquire for further information.

磁盤控制器 Chuck Controller

磁盤控制器 Chuck Controller						
型號 Model	輸出 Output	類型 Type	輸入電壓 Input Voltage	輸出電壓 Output Voltage	尺寸 Dimension (mm) W x L x H	淨重N.W (kg)
GDS-50A	50A	IN	AC 220V	DC 160V	220×150×75mm	2.1 KG
GDS-50A	50A	S	AC 220V	DC 160V	210×160×95mm	2.3 KG
GDS-50A	50A	1N1C	AC 220V or AC 380V or AC 400V or AC415V	DC 160V	線控盒 Wire-control box: 150×110×50mm 線長 The length of wire: 2500mm 控制器Chuck Controller: 280×290×150mm	1 KG
GDS-50A	50A	1N2C		DC 160V		1 KG
GDS-50A	50A	1N3C		DC 160V		1 KG
GDS-50A	50A	1N4C		DC 160V		5.5 KG
SGDS-50A	50A	N×N / N×C		DC 160V	訂製品	

整流器 Chuck Controller

GD -202 Type



型號 Model	輸入 Input Voltage		輸出 Output		尺寸 Dimension(mm)			重量 Net Weight (kg)
	(Single Phase)		Voltage	Current	L	W	H	
GD-202-10A	1	AC 110/220V	DC 10 -100V	10A	170	330	285	16.7
	2	AC 220/380V		10A				
	3	AC 415V		10A				
GD-202-12A	1	AC 110/220V		12A				19
	2	AC 220/380V		12A				
	3	AC 415V		12A				
GD-202-15A	1	AC 220/380V		15A	220	380	335	23
	2	AC 415V		15A				
GD-202-20A	1	AC 220/380V		20A				30
	2	AC 415V		20A				

GD -201 Type

G905 Type



型號 Model	輸入 Input Voltage		輸出 Output		尺寸 Dimension(mm)			重量 Net Weight (kg)
	(Single Phase)		Voltage	Current	L	W	H	
GD-201-5A	1	AC 110V	DC 10 -100V	5A	200	135	125	3.2
	2	AC 220V						
G905-5A	1	AC 110V	DC 10 -100V	5A	200	137	122	3.5
	2	AC 220V						

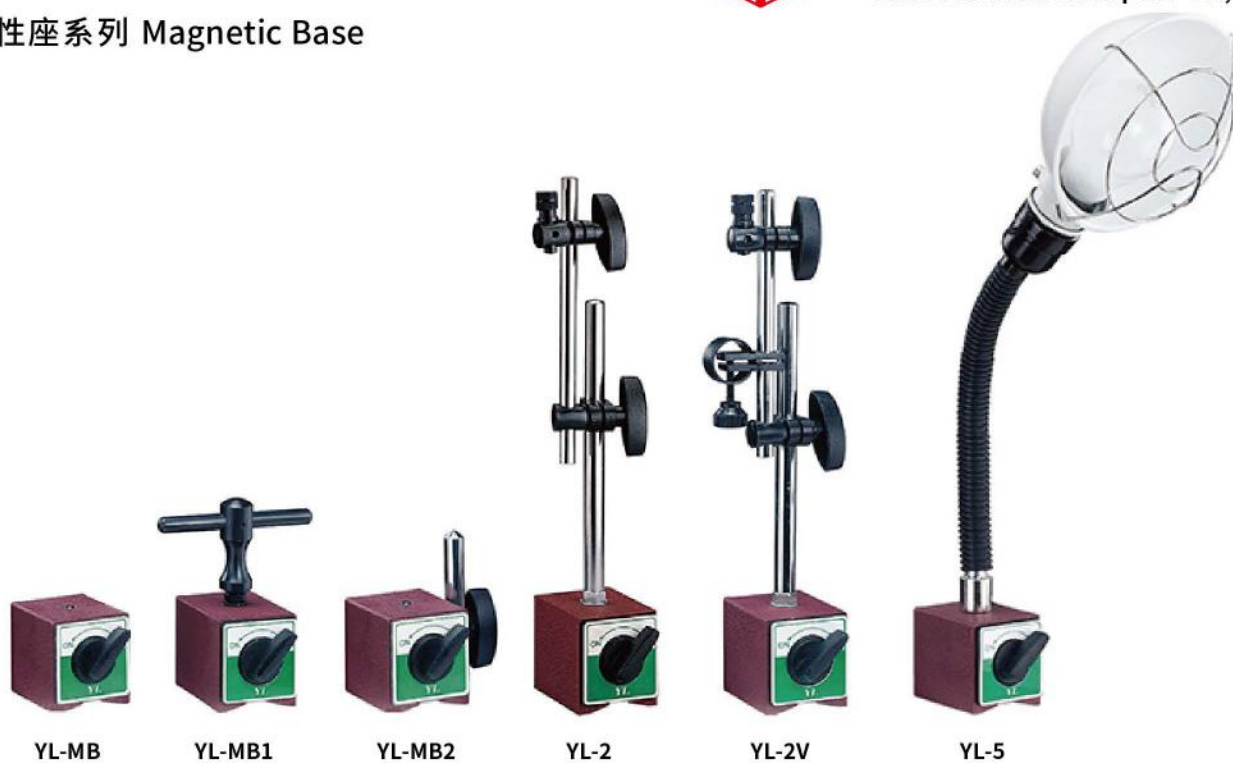
GD-3 Type



型號 Model	輸入 Input Voltage		輸出 Output		尺寸 Dimension(mm)			重量 Net Weight (kg)
	(Single Phase)		Voltage	Current	L	W	H	
GD-310A	1	AC 110/220V	1.標準Standard DC 6V-100V 2.訂製Customization DC 110V ~ DC 200V	10A	150	330	260	17
	2	AC 220/380V						
	3	OTHER						
GD-312A	1	AC 110/220V		12A				20
	2	AC 220/380V						
	3	OTHER						
GD-315A	1	AC 220V		15A	24			
	2	AC 380V						
	3	OTHER						
GD-3 20A UP	AC 220V~AC440V			20A以上可接受訂製 20A UP CUSTOMIZATION				



磁性座系列 Magnetic Base



unit : mm

型號 Model	磁力 Holding Power	磁性作尺寸 / Bass Dimension			重量 Net Weight (kg)
		L	W	H	
YL-MB	80 kg	60	50	55	1.0
YL-MB1					1.1
YL-MB2					1.1
YL-2					1.6
YL-2V					1.7
YL-5					1.7

機械式 Mechanical Base



unit : mm

型號 Model	磁力 Holding Power	臂長 Arm Length	磁性作尺寸 / Bass Dimension			重量 Net Weight (kg)
			L	W	H	
YL-1205	20	185	Ø38 x 27			0.5
YL-1205A	20	185	35	30	35	0.4
YL-1204	80	285	60	50	55	1.3
YL-1203H	80	330	60	50	55	1.5
YL-1250	100	350	75	50	55	2.0

* Universal Arm Magnetic Base for indicators, it can be set at any point in 360, very quick and convenient for operation.

**AISF**

過中心立銑刀
OVER-CENTER END MILL

Diameter : 45 ~ 35
Flute : 2 / 3 / 4
Length : 105 / 115 / 125 / 135

**AISY**

正螺旋(半圓)粗銑刀
POWERFUL ROUGHING END MILL

Diameter : 30 / 50
Flute : 3 / 6
Length : 185 ~ 250

**AISA**

精銑刀
FINISHING END MILL

Type : Standard
Diameter : 14 ~ 50
Flute : 2 / 3 / 4 / 6
Length : 105 / 115 / 125 / 135

**AISB**

加長密接粗銑刀
ROUGHING END MILL (MULTIPLE CONNECTED FLUTES)

Diameter : 25 ~ 50
Flute : 4 / 6
Length : 135 ~ 355

**AISA**

加長型精銑刀
LENGTHENED FINISHING END MILL

Type : Lengthened
Diameter : 16 ~ 50
Flute : 2 / 3 / 4 / 6
Length : 135 ~ 350

**AISD**

前波刃粗銑刀
ROUGHING END MILL (FRONT WAVY EDGED FLUTE)

Diameter : 16 ~ 40
Flute : 3 / 4
Length : 117 / 125 / 135 / 150

**AISC**

正粗銑刀
ROUGHING END MILL

Type : Standard
Diameter : 20 ~ 50
Flute : 3 / 4 / 6
Length : 130 / 135

**AUTA**

筒型精銑刀
CYLINDRICAL FINISHING MILLING CUTTER

Diameter : 50 ~ 80
Flute : 6 / 8

**AISC**

加長型正粗銑刀
LENGTHENED ROUGHING END MILL

Type : Lengthened
Diameter : 20 ~ 50
Flute : 3 / 4 / 6
Length : 140 ~ 350

**AUTC**

筒型粗銑刀
CYLINDRICAL ROUGHING MILLING CUTTER

Diameter : 50 ~ 100
Flute : 6 / 8 / 12



AUTB

密接齒筒型粗銑刀
CYLINDRICAL ROUGHING MILLING CUTTER
(MULTIPLE CONNECTED FLUTES)

Diameter : 50 ~ 80
Flute : 6 / 8



AHTX

千鳥刃側銑刀
STAGGERED TOOTH SIDE MILLING CUTTER
(CHIDORI TOOTH)

Diameter : 75 ~ 200
Flute : 14 / 18 / 20 / 22 / 24 / 28



AUTO

半圓齒筒型粗銑刀
CYLINDRICAL POWERFUL ROUGHING MILLING CUTTER
(SEMI-CIRCULAR FLUTE)

Diameter : 50 ~ 100
Flute : 5 / 6 / 8 / 12



AHTW

夾角側銑刀
DOUBLE ANGLE SIDE MILLING CUTTER

Diameter : 75 / 100
Flute : 14 / 16 / 18



ATT

直刀T型刀
STRAIGHT TOOTH T-SLOT END MILL

Diameter : 16 ~ 100
Flute : 6 / 8 / 10 / 14 / 16



AHTR

內R側銑刀
CONCAVE HALF-CIRCLE SIDE MILLING CUTTER

Diameter : 100
Flute : 12 / 18 / 20 / 22
R Corner : 3 ~ 6 R



ATTX

千鳥刃T型刀
STAGGERED TOOTH T-SLOT END MILL (CHIDORI TOOTH)

Diameter : 20 ~ 100
Flute : 6 / 8 / 10 / 14 / 16



AHTU

側銑R刀
CONVEX HALF-CIRCLE SIDE MILLING CUTTER

Diameter : 75 ~ 150
Flute : 3 ~ 12
R Corner : 1.5 ~ 6 R



AHT

直刀側銑刀
STRAIGHT TOOTH SIDE MILLING CUTTER

Diameter : 75 ~ 200
Flute : 14 / 18 / 20 / 22 / 24 / 28



AHTC

偏角側銑刀
SINGLE ANGLE SIDE MILLING CUTTER

Type : 30 Degree / 45 Degree
Diameter : 75 / 100
Flute : 16 / 18

**AAT**

鳩尾槽銑刀
DOVETAIL END MILL

Type : 45 Degree
Diameter : 16 ~ 100
Flute : 3 / 4 / 5 / 6 / 8 / 10

**AVT**

倒角刀
CHAMFER MILL

Type : 60 Degree
Diameter : 16 ~ 100
Flute : 2 / 4 / 6 / 8

**AAT**

鳩尾槽銑刀
DOVETAIL END MILL

Type : 60 Degree
Diameter : 16 ~ 100
Flute : 3 / 4 / 5 / 6 / 8 / 10

**AVT**

倒角刀
CHAMFER MILL

Type : 90 Degree
Diameter : 16 ~ 100
Flute : 2 / 4 / 6 / 8

**AATD**

筒型鳩尾槽銑刀
CYLINDRICAL DOVETAIL MILLING CUTTER TOOTH

Type : 45 Degree / 50 Degree / 55 Degree / 60 Degree
Diameter : 75 ~ 150
Flute : 8 / 10 / 12 / 14

**AVTH**

焊刃式倒角刀(鑽削用)
CARBIDE TIPPED COUNTERSINK (FOR DRILLING)

Diameter : 16 ~ 60
Flute : 2 / 4 / 6

**AMTX**

千鳥刃平面刀
STAGGERED TOOTH FACE MILLING CUTTER
(CHIDORI TOOTH)

Diameter : 75 ~ 300
Flute : 10 ~ 32

**AVTV**

偏心圓倒角刀
THREE FLUTE COUNTERSINKS

Type : 90 Degree
Diameter : 30 ~ 60
Flute : 3

**AMTR**

強力型斜刃面銑刀
POWERFUL OBLIQUE TOOTH FACE MILLING CUTTER

Diameter : 75 ~ 150
Flute : 10 / 12 / 14 / 16

**W-AVTH**

鎢鋼頭倒角刀
TUNGSTEN CARBIDE HEAD CHAMFER MILL

Type : 60 Degree / 90 Degree
Diameter : 8 ~ 30
Flute : 1 / 3



AFT

倒斜刃絞刀
SPIRAL FLUTE REAMER
Type : Morse Taper Shank
MT : MT3 / MT4
Diameter : 13 ~ 60 , 1/2" ~ 2"
Flute : 3 / 4 / 5 / 6 / 8



AXJ

扁型定位鑽
FLAT SPOTTING DRILL
Type : 90 Degree
Diameter : 10 ~ 30



AFTO

倒螺旋刃絞刀
HELICAL FLUTE REAMER
Type : Morse Taper Shank
MT : MT3 / MT4
Diameter : 13 ~ 60 , 1/2" ~ 2"
Flute : 3 / 4 / 5 / 6 / 8



W-AXJ

全鎢定位鑽
SOLID CARBIDE SPOTTING DRILL
Type : 90 Degree
Diameter : 4 ~ 16



W-AFTO

鎢鋼頭倒螺旋刃絞刀
Tungsten carbide head HELICAL FLUTE REAMER
Type : Morse Taper Shank
Shank : 6 / 8 / 10 / 12
Diameter : 6 ~ 16
Flute : 6 / 8



W-ATT

鎢鋼片T型刀
CARBIDE STRAIGHT TOOTH T-SLOT END MILL
Diameter : 20 ~ 40
Flute : 8 ~ 24



ART

外角R刀
CORNER-ROUNDING END MILL
Diameter : 13.3 ~ 78
Flute : 2 / 3 / 4
R Corner : 1.5 ~ 25 R



HS-AXT

前端焊鎢片HSS 鑽頭
FRONT-TIP CARBIDE HSS DRILL
Diameter : 13 ~ 35
MT : MT1 / MT2 / MT3 / MT4



AOT

球型銑刀
BALL NOSE END MILL
R Corner : 6.35 ~ 30 R
Flute : 2



EWART

全鎢外角R銑刀
SOLID CARBIDE CORNER-ROUNDING END MILL
Diameter : 4 ~ 16
Flute : 3
R Corner : 0.5 ~ 6 R



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