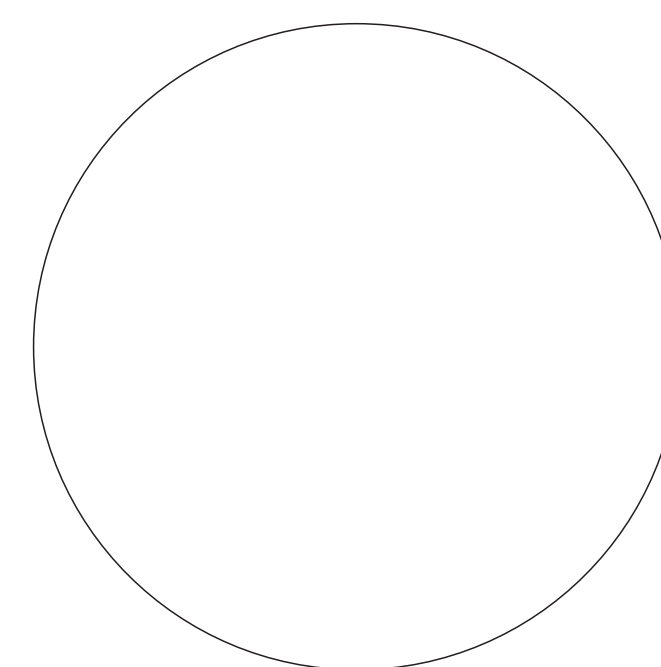


封面烫银版

TOOL HOLDER

銑削夾持具

封面镂空版



銑削夾持具 网站: www.dg-suken.com 邮箱: suken_vip@126.com suken@dg-suken.com

TOOL HOLDER

銑削夾持具

2020-2021
Precision
Tool Holder
Catalog

速肯销售服务中心



全国免费服务热线: 400 803 8128

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网站: www.dg-suken.com 邮箱: suken_vip@126.com suken@dg-suken.com



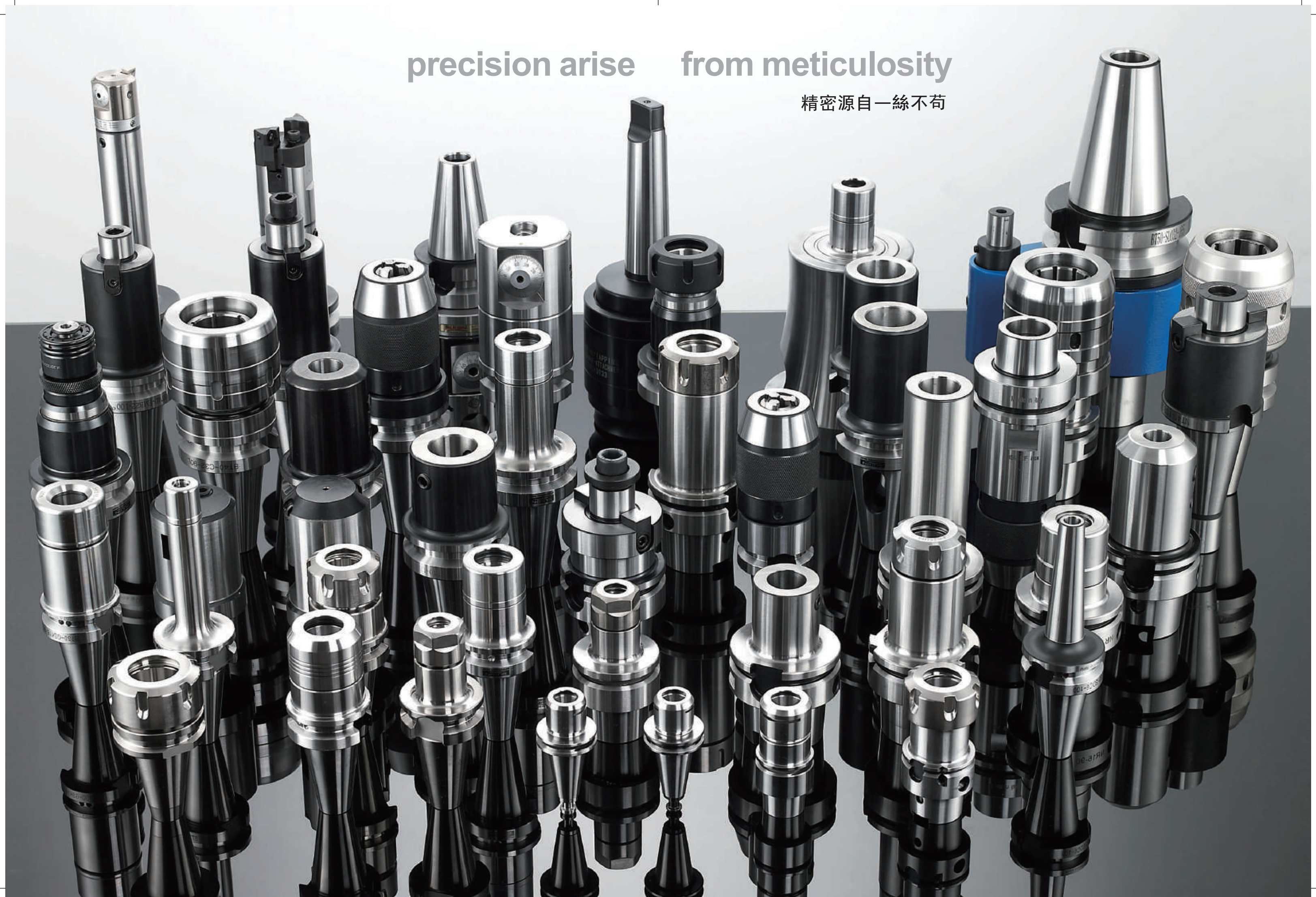


SUKEN

一點一滴精鑄 一絲一毫細礪

precision arise from meticulousity

精密源自一絲不苟



GIVE THE WORLD A new height

速肯，给世界一个新高度

About US 关于速肯

东莞市速肯五金科技有限公司是集研发、生产、销售于一体的技术服务性企业。公司拥有先进的进口生产设备、精密检测仪器和专业的技术服务人员。主要生产抗震性舍弃式铣刀把、铣刀盘、高精刀具柄、快速钻头、攻牙及镗孔等夹持工具系列产品，并能根据客户要求设计制造各种类型的高品质非标刀具。速肯产品皆采用优质原材料，广泛应用于航空、汽车、机械制造、精密模具等行业。

我们始终贯彻“高品质、高效率、高要求、高诚信”的发展宗旨，坚持“敬人、敬业、精勤、创新”的企业精神，不断的研究、开发、创新，使得速肯发展成为具有独特性的制造和销售企业。我们以坚定不移的信念，一直专注于提高用户的生产效率、加工精度及光洁度，并致力于建设遍布全国的行销网络，为客户提供更强大的服务支持！

速肯以最专业的技术和最热忱的服务为您提供完善的刀具解决方案，愿我们每一次的服务都能够得到您的肯定，真诚欢迎海内外客户莅临指导、洽谈合作，携手共创双赢的美好未来。

Dongguan Suken Precision Tool Technology Co, LTD was set up in 2005 as a professional R&D, manufacturer and supplier of a wide range of CNC cutting tool products, including carbide end mill, indexable milling cutter, high precision tool holder system, high speed drills, boring bar and tool accessories. We provide various type of standard and non-standard high quality cutting tools according to customers' requirements.

We have always carried out "high-quality, high efficiency, high standard, high integrity" as principle of development, "respect, dedicated, hardworking, innovative" as company spirit. This kind of continuous research, development and innovation make us as unique manufacturing and sales company.

We believe that with professional technology and the most dedicated service we can provide our customer with complete tooling solutions.

SUKEN

全国免费服务热线: 400 803 8128



Precision change the world

速肯，精密改变世界

速肯人拥有一颗归零的心：视现状为零，纵观未来新格局

速肯人拥有一颗学习的心：成功代表过去，能力代表现在，唯进步、不止步

速肯人拥有一颗创新的心态：锐意进取、不断超越，敢为天下先

速肯人拥有一颗付出的心态：能够为别人服务的人生才是最有价值的人生

速肯人拥有一颗务实的心态：一点一滴精铸，一丝一毫细砺；做人、做事、做产品、做企业

速肯人拥有一颗责任的心态：提高用户生产力，降低用户成本，解决用户切削难题，满足用户加工质量

速肯人拥有一颗合作的心态：合力同心、齐力断金，精诚团结，振兴民族事业

速肯人拥有一颗共赢的心态：牵手你我，一路同行，共创美好未来

People working at Suken are always glad to learn and keeping prepared for the future, because they know the potential change is much more appealing than achieved success and ability.

The engineer teams keep making progress in innovation with hardworking, which promise satisfactory service for our customers.

Precision and reliable products in Suken are ensured by all the practical work with professional skills and high sense of responsibility.

Suken has been committed to improve the productivity and efficiency of customers to low down the cost and provide solutions for processing. The company keeps win-win cooperation in mind to get along with customers for further future.



超越，是一种勇气
超越，是一种智慧
超越，更是一种高度

性格决定命运，气度决定格局，细节决定成败，态度决定一切，思路决定出路，深度决定高度，格局决定结局



气度 深度 高度 TOLERANCE DEPTH HEIGHT



铣削夹持具系列 Milling tool holder series

09-60



铣削攻牙夹持具系列 Tapping tool holder series

61-77



孔加工刀具系列 Boring tool series

78-106



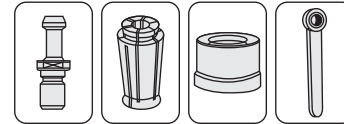
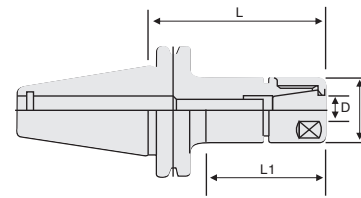
MILLING TOOL HOLDER Series
铣削夹持具系列

一點一滴精鑄 一絲一毫細礪





G2.5
30000RPM



BT-SK HIGH SPEED TOOL HOLDER

BT-SK 高速刀柄 預設動平衡、精度高，適合高速旋轉 最高轉速40000MIN⁻¹

	型號 Specification	夾持範圍 Clamping range	尺寸 Size			最高旋轉數 MAX.min-1	SK筒夾 Collet
			L	L1	C		
BT30	-SK6-60	1.0~6.0	60	38	19.5	40,000	SK6
	-SK6-90		90	68			
	-SK10-60	1.0~10.0	60	38	27	40,000	SK10
	-SK10-90		90	68			
	-SK16-60	1.0~16.0	60	38	40	30,000	SK16
	-SK16-90		90	68			
	-SK20-60	1.0~20.0	60	38	48	30,000	SK20
	-SK20-90		90	68			
BT40	-SK6-60	1.0~6.0	60	33	19.5	30,000	SK6
	-SK6-90		90	63			
	-SK6-120	1.0~10.0	120	93	27	30,000	SK10
	-SK10-60		60	33			
	-SK10-90	1.0~10.0	90	63	35	30,000	SK13
	-SK10-120		120	93			
	-SK13-90	1.0~13.0	90	63	40	25,000	SK16
	-SK16-60		60	33			
	-SK16-90	1.0~16.0	90	63	48	20,000	SK20
	-SK16-120		120	93			
BT50	-SK20-90	1.0~20.0	90	63	48	20,000	SK20
	-SK10-100		100	73			
	-SK10-150	1.0~10.0	150	123	27	20,000	SK10
	-SK10-200		200	173			
	-SK10-250	1.0~16.0	250	223	40	20,000	SK16
	-SK16-100		100	73			
	-SK16-150	1.0~20.0	150	123	48	20,000	SK20
	-SK16-200		200	173			
	-SK16-250	1.0~20.0	250	223	48	20,000	SK20
	-SK20-100		100	73			
	-SK20-150	1.0~20.0	150	123	48	20,000	SK20
	-SK20-200		200	173			

1. 不帶鎖緊扳手如需要請另訂購
2. 不附帶拉丁



SPANNER
SK 型扳手

樣式 Pattern	型號 Specification	D	重量 weight(KG)
标准型	SK6-SP	19.5	0.2
	SK10-SP	27	0.27
	SK13-SP	35	0.35
	SK16-SP	40	0.39
	SK20-SP	48	0.45

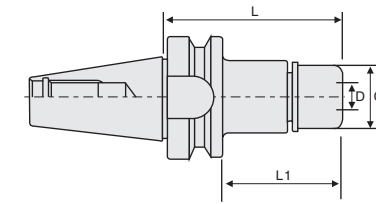


HIGH SPEED NUT
SK 高速螺帽

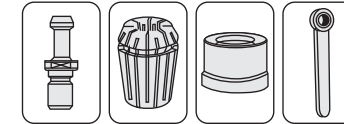
樣式 Pattern	型號 Specification	D
标准型	SK6-CN	19.5
	SK10-CN	27
	SK13-CN	35
	SK16-CN	40
	SK20-CN	48

特點/Feature

1. 預設動平衡，刀柄精度高，適合高速旋轉，跳動0.003mm，最高轉速G2.5 40000rpm。
2. 表面硬度HV220的滑動旋轉，不會損傷，無響聲。
3. 是面與面接觸，微米跳動切削力提高，刀具使用壽命延長。
4. 同心度高，穩定的震動精度，提高精加工表面精度。
1. Pre-balanced, high precision run-out 0.003mm, suitable for high rotating, maximum G2.5 40000 rpm.
2. Surface hardness up to HV 220 by rotating, no damage and noise.
3. Covering interface with precision vibration and high metal removal, increased tool life.
4. High concentricity, stable run-out accuracy to enhance fine machining surface roughness.



G2.5
30000RPM



BT-GER HIGH SPEED ER COLLET CHUCK

BT-GER 高速刀柄

	型號 Specification	夾持範圍 Clamping range	尺寸 Size		最高轉數 Min ⁻¹	筒夾 Collet	螺帽 Nut
			L	L1			
BT30	-GER16-70	1.0~10.0	70	48	30000	ER16	GER16
	-GER16-100		100	78			
	-GER20-70	1.0~13.0	70	48	30000	ER20	GER20
	-GER20-100		100	78			
	-GER25-70	1.0~16.0	70	48	30000	ER25	GER25
	-GER25-100		100	78			
	-GER32-100	1.0~20.0	100	78	25000	ER32	GER32
	-GER16-70		70	43			
BT40	-GER16-100	1.0~10.0	100	73	25000	ER16	GER16
	-GER20-70		70	43			
	-GER20-100	1.0~13.0	100	73	25000	ER20	GER20
	-GER25-70		70	43			
	-GER25-100	1.0~16.0	100	73	25000	ER25	GER25
	-GER25-150		150	123			
	-GER32-70	1.0~20.0	70	43	20000	ER32	GER32
	-GER32-100		100	73			
	-GER32-150	1.0~20.0	150	123	20000	ER32	GER32

1. 不帶鎖緊扳手如需要請另訂購
2. 不附帶拉丁

SPANNER

GER 型扳手

樣式 Pattern	型號 Specification	D	重量 weight(KG)
标准型	GER16-SP	27	0.2
	GER20-SP	35	0.27
	GER25-SP	40	0.35
	GER32-SP	48	0.39

HIGH SPEED NUT

GER 高速螺帽

樣式 Pattern	型號 Specification	D
标准型	GER16-SP	27
	GER20-SP	35
	GER25-SP	40
	GER32-SP	48

特點/Feature

1. 預設動平衡，刀柄精度高，高速雕銑鑽攻中心機專用刀柄，跳動0.003mm，最高轉速G2.5 30000rpm。
2. 噪音低，風阻小。
3. 前后自適應定位，重複裝夾精度高。
1. Pre-balanced, high precision run-out 0.003mm, applied for high speed engraving & milling and drilling machining center, maximum G2.5 30000 rpm.
2. Low noise and small wind resistance.
3. Adaptive positioning from both front and back and high precision repetition.





NEW

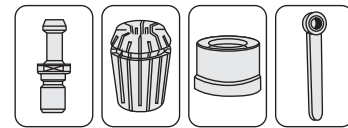
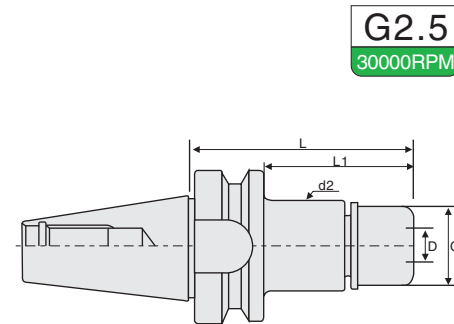
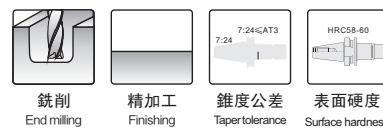
BT-HGER HIGH SPEED ER COLLET CHUCK

BT-HGER 高速刀柄

	型號 Specification	夾持範圍 Clamping range			最高轉數 Min ⁻¹	筒夾 Collet	螺帽 Nut
		L	L1	ΦC			
BT30	-HGER16-70	1.0~10.0	70	48	30	ER16	HGER16
	-HGER16-100	1.0~10.0	100	78	30	ER16	HGER16
	-HGER20-70	1.0~12.0	70	48	35	ER20	HGER20
	-HGER20-100	1.0~12.0	100	78	35	ER20	HGER20
	-HGER25-70	1.0~16.0	70	48	40	ER25	HGER25
BT40	-HGER25-100	1.0~16.0	100	78	40	ER25	HGER25
	-HGER32-70	1.0~20.0	70	48	50	ER32	HGER32
	-HGER32-100	1.0~20.0	100	78	50	ER32	HGER32
	-HGER16-70	1.0~10.0	70	43	30	ER16	HGER16
	-HGER16-100	1.0~10.0	100	73	30	ER16	HGER16
	-HGER20-70	1.0~12.0	70	43	35	ER20	HGER20
	-HGER20-100	1.0~12.0	100	73	35	ER20	HGER20
	-HGER25-70	1.0~16.0	70	43	40	ER25	HGER25
	-HGER25-100	1.0~16.0	100	73	40	ER25	HGER25
	-HGER25-150	1.0~16.0	150	123	40	ER25	HGER25
	-HGER32-70	1.0~20.0	70	43	50	ER32	HGER32
	-HGER32-100	1.0~20.0	100	73	50	ER32	HGER32
	-HGER32-150	1.0~20.0	150	123	50	ER32	HGER32

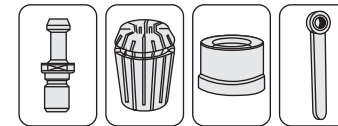
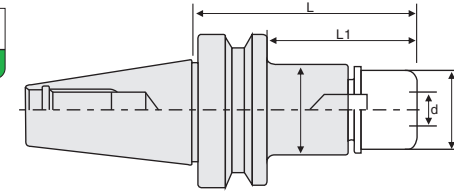
特點/Feature

1. 預設動平衡，刀柄精度高，跳動0.003mm，高速銑銑鑽攻中心機專用刀柄，最高轉速G2.5 30000rpm。
 2. T型螺牙設計，扭力提升50%，避免掉刀。
 3. 非偏心平衡全圓螺帽。
 4. 前后自適應定位，重復裝夾精度高。
 5. 噪音低，風阻小。
1. Pre-balanced, high precision run-out 0.003mm, applied for high speed engraving&milling and drilling machining center, maximum G2.5 30000 rpm.
 2. T type screw design enhances 50% of the torque value to avoid drop of the tool.
 3. Non-decenter balanced round nut.
 4. Adaptive positioning from both front and back and high precision repetition.
 5. Low noise and small wind resistance.



G2.5
30000RPM

G2.5
30000RPM



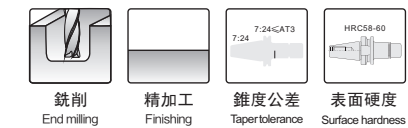
NBT-GER HIGH SPEED ER CHUCK SYSTEM

NBT-GER 高速刀柄

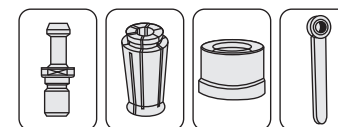
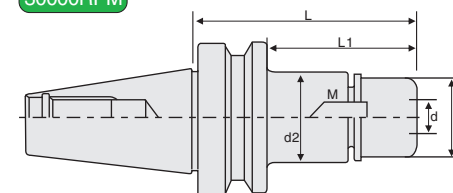
	型號 Specification	夾持範圍 Clamping range			螺帽 Nut	筒夾 Collet	扳手 spanner	鎖刀座	
		d1	L	L1					
NBT30	-GER16-70	1.0~10.0	27	70	48	GER16	ER16	GER16-φ27	NBT30
	-GER16-100	1.0~10.0	27	100	78	GER16	ER16	GER16-φ27	NBT30
	-GER20-70	1.0~13.0	35	70	48	GER20	ER20	GER20-φ35	NBT30
	-GER20-100	1.0~13.0	35	100	78	GER20	ER20	GER20-φ35	NBT30
	-GER25-70	1.0~16.0	40	70	48	GER25	ER25	GER25-φ40	NBT30
	-GER25-100	1.0~16.0	40	100	78	GER25	ER25	GER25-φ40	NBT30
	-GER32-70	1.0~20.0	48	70	48	GER32	ER32	GER32-φ48	NBT30
	-GER32-100	1.0~20.0	48	100	78	GER32	ER32	GER32-φ48	NBT30

特點/Feature

1. 預設動平衡，刀柄精度高，高速銑銑鑽攻中心機專用刀柄，跳動0.003mm，最高轉速G2.5 30000rpm。
 2. 噪音低，風阻小。
 3. 前后自適應定位，重復裝夾精度高。
1. Pre-balanced, high precision run-out 0.003mm, applied for high speed engraving&milling and drilling machining center, maximum G2.5 30000 rpm.
 2. Low noise and small wind resistance.
 3. Adaptive positioning from both front and back and high precision repetition.



G2.5
30000RPM



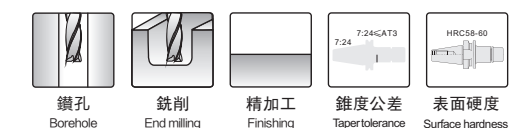
NBT-SK HIGH SPEED TOOL HOLDER

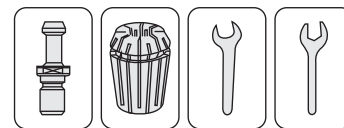
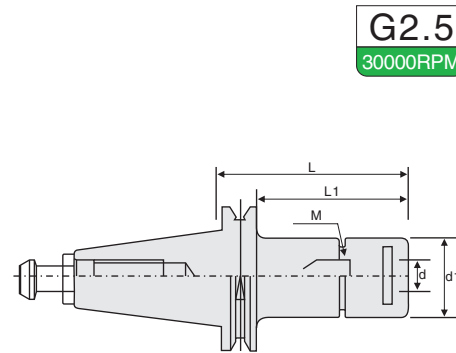
NBT-SK 高速刀柄

	型號 Specification	夾持範圍 Clamping range			螺帽 Nut	筒夾 Collet	扳手 spanner	鎖刀座	
		d1	L	L1					
NBT30	-GSK10-60	1.0~10.0	27	60	38	GSK10	SK10	GSK10-φ27	NBT30
	-GSK10-90	1.0~10.0	27	60	68	GSK10	SK10	GSK10-φ27	NBT30
	-GSK16-60	1.0~16.0	40	90	38	GSK16	SK16	GSK16-φ40	NBT30
	-GSK16-90	1.0~16.0	40	90	68	GSK16	SK16	GSK16-φ40	NBT30

特點/Feature

1. 預設動平衡，刀柄精度高，適合高速旋轉，跳動0.003mm，最高轉速G2.5 40000rpm。
 2. 表面硬度HV220的滑動旋轉，不會損傷，無響聲。
 3. 是面與面接觸，微米跳動切削力提高，刀具使用壽命延長。
 4. 同心度高，穩定的震動精度，提高精加工表面精度。
1. Pre-balanced, high precision run-out 0.003mm, suitable for high rotating, maximum G2.5 40000 rpm.
 2. Surface hardness up to HV 220 by rotating, no damage and noise
 3. Covering interface with precision vibration and high metal removal, increased tool life
 4. High concentricity, stable run-out accuracy to enhance fine machining surface roughness.





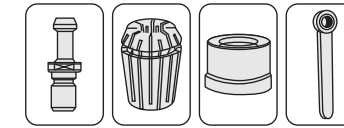
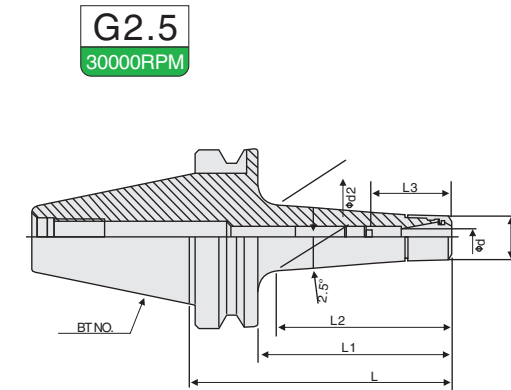
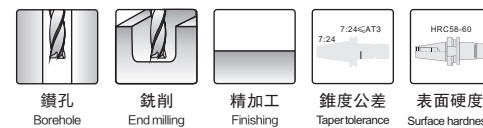
ISO HIGH SPEED TOOL HOLDER

ISO 高速刀柄

	型號	夾持範圍				螺帽	筒夾	扳手1	扳手2	
	Specification	Clamping range	d1	L	L1	M	Nut	Collet	spanner	spanner
ISO10	-ER11-25	1.0~7.0	16	25	27	M13×0.75	ER11MS	ER11	ISO10	ER11MS
ISO20	-ER16-35	1.0~10.0	22	35	27	M19×1.0	ER16MS	ER16	ISO 20	ER16MS
	-ER20-35	1.0~13.0	28	35	27	M24×1.0	ER20MS	ER20	ISO 20	ER20MS
ISO25	-ER16-35	1.0~10.0	22	35	27	M19×1.0	ER16MS	ER16	ISO 25	ER16MS
	-ER20-35	1.0~13.0	28	35	27	M24×1.0	ER20MS	ER20	ISO 25	ER20MS
	-ER25-35	1.0~16.0	35	35	27	M30×1.0	ER25MS	ER25	ISO25	ER25MS
ISO30	-ER16-60	1.0~10.0	22	60	44.1	M19×1.0	ER16MS	ER16		ER16MS
	-ER20-60	1.0~13.0	28	60	44.1	M24×1.0	ER20MS	ER20		ER20MS
	-ER25-60	1.0~16.0	35	60	44.1	M30×1.0	ER25MS	ER25		ER25MS
	-ER32-60	1.0~20.0	50	60	44.1	M40×1.0	ER32UM	ER32		ER32UM

特點/Feature

1. 刀柄精度高，跳動0.003mm，最高轉速G2.5 30000rpm。
 2. 高速雕銑機專用刀柄。
 3. 穩定的震動精度，提高精加工表面精度。
1. High precision run-out 0.003mm, maximum G2.5 30000 rpm.
 2. Suitable for high speed engraving&milling and drilling application with super finish surface.
 3. Stable run-out accuracy to enhance fine machining surface roughness.



BT-THER SLIM COLLET CHUCK

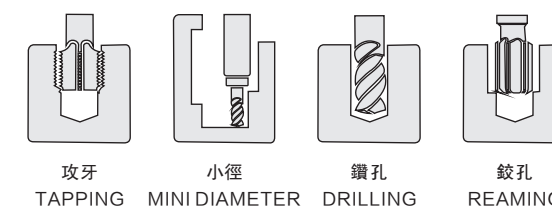
BT-THER 小徑刀柄

	型號	夾持範圍						刀具夾持深度	螺帽	筒夾	扳手
	Specification	Clamping range	Φd1	Φd2	L	L1	L2	Tool clamping	Nut	Collet	suitable spanner
BT30	THER11-100M	1.0~7.0	16	20.9	100	78	73.2	19~48	HER11M	ER11	HER11
	THER16-100M	1.0~10.0	22	26.5	100	78	73.2	29~58	HER16M	ER16	HER16
BT40	THER11-100M	1.0~7.0	16	20.2	100	73	65.3	19~48	HER11M	ER11	HER11
	THER11-160M	1.0~7.0	16	25.5	160	133	125.3	19~48	HER11M	ER11	HER11
	THER16-100M	1.0~10.0	22	26.1	100	73	68.2	29~58	HER16M	ER16	HER16
	THER16-160M	1.0~10.0	22	31.3	160	133	128.2	29~58	CHER16M	ER16	HER16
BT50	THER11-100M	1.0~7.0	16	20	100	54.3	62	19~48	HER11M	ER11	HER11
	THER11-160M	1.0~7.0	16	26.2	160	122	114.9	19~48	HER11M	ER11	HER11
	THER16-100M	1.0~10.0	22	27.5	100	62	54.9	29~58	HER16M	ER16	HER16
	THER16-160M	1.0~10.0	22	33.8	160	122	100	29~58	HER16M	ER16	HER16

需配合3 μ HP筒夾 With 3 μ HP Grade Collet

特點/Feature

1. 刀柄斜度設計有效抵抗加工震動，適合模具深腔加工。
 2. T型螺牙設計超強夾持力，重複裝夾精度高。
 3. 高韌性材料制作全圓螺帽，有效減少風阻。
 4. -190度深冷處理工藝，跳動穩定，提高加工精度。
1. Taper design to reduce the processing shock, suitable for deep cavity machining in mold.
 2. T-type screw ensures powerful clamping strength, high precision repetition.
 3. Tough material for round clamping nuts to reduce wind resistance.
 4. Deep Cryogenic treatment below -190 °C, stable run-out accuracy to enhance fine machining surface roughness.





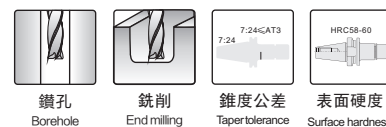
BT-ER COLLET CHUCK

BT-ER 彈性刀柄

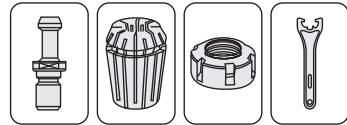
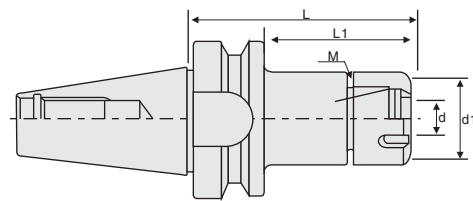
型號 Specification	夾持範圍 Clamping range	d1	L	L1	M	螺帽 Nut	筒夾 Collet	扳手 spanner	重量 Weight(KG)	
										型號
BT30	-ER16-70	1.0-10.0	28	70	48	M22 × 1.5	ER16A	ER16	ER16A	0.55
	-ER16-100			100	78					
	-ER20-70	1.0-13.0	34	70	48	M25 × 1.5	ER20A	ER20	ER20A	0.75
	-ER20-100			100	78					
	-ER25-70			1.0-16.0	42					
-ER25-100	100	78								
BT40	-ER32-70	1.0-20.0	50	70	48	M40 × 1.5	ER32UM	ER32	ER32UM	0.95
	-ER32-100			100	78					
	-ER16-70	1.0-10.0	28	70	43	M22 × 1.5	ER16A	ER16	ER16A	1.20
	-ER16-100			100	73					
	-ER16-150			150	123					
-ER20-70	1.0-13.0	34	70	43	M25 × 1.5	ER20A	ER20	ER20A	1.40	
-ER20-100			100	73						
-ER20-150			150	123						
-ER25-70	1.0-16.0	42	70	43	M32 × 1.5	ER25UM	ER25	ER25UM	1.30	
-ER25-100			100	73						
-ER25-150			150	123						
-ER32-70	1.0-20.0	50	70	43	M40 × 1.5	ER32UM	ER32	ER32UM	1.30	
-ER32-100			100	73						
-ER32-150			150	123						
-ER40-70	1.0-26.0	63	70	43	M50 × 1.5	ER40UM	ER40	ER40UM	1.85	
-ER40-100			100	73						
-ER40-150			150	123						
BT50	-ER16-100	1.0-10.0	28	100	62	M22 × 1.5	ER16A	ER16	ER16A	4.30
	-ER16-150			150	112					
	-ER16-200			200	162					
	-ER20-100	1.0-13.0	34	100	62	M25 × 1.5	ER20A	ER20	ER20A	4.30
	-ER20-150			150	112					
	-ER20-200			200	162					
	-ER25-100	1.0-16.0	42	100	62	M32 × 1.5	ER25UM	ER25	ER25UM	4.40
	-ER25-150			150	112					
	-ER25-200			200	162					
	-ER32-100	1.0-20.0	50	100	62	M40 × 1.5	ER32UM	ER32	ER32UM	4.80
	-ER32-150			150	112					
	-ER32-200			200	162					
-ER40-100	1.0-26.0	63	100	62	M50 × 1.5	ER40UM	ER40	ER40UM	4.40	
-ER40-150			150	112						
-ER40-200			200	162						

特點/Feature

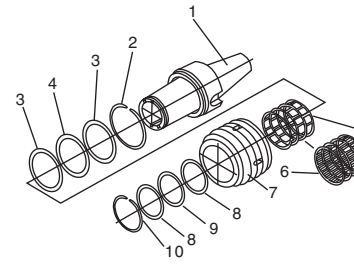
- 1、預設動平衡，刀柄精度高，跳動0.003mm，最高轉速G2.5 30000rpm。
- 2、同心度高，穩定的震動精度，應用廣泛。



G2.5
30000RPM

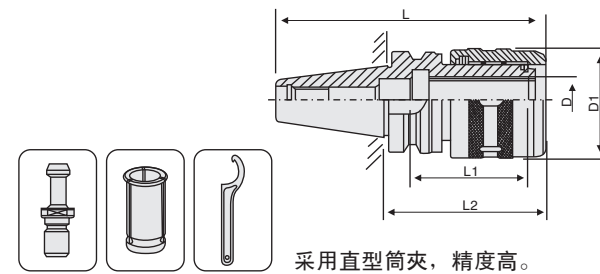


- 1、本體
- 2、同心扣環
- 3、墊片
- 4、平面油封
- 5、軸承鋼
- 6、滾丁
- 7、螺帽
- 8、墊片
- 9、平面油封
- 10、同心扣環

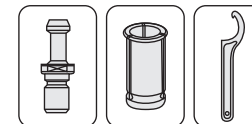


BT-C POWER CHUCK TOOL HOLDER

BT-C 型強力刀柄



採用直型筒夾，精度高。

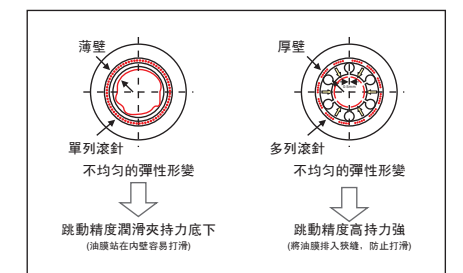


型號 Specification	內附筒夾規格 Size				D1	扳手 suitable spanner	筒夾 Collet	重量 weight(KG)
	D	L2	L1	L				
BT30	-C20-80	20	80	70	128.4	53	C20-BS	1.80
	-C25-80	25	80	73	128.4	60	C25-BS	1.95
BT40	-C20-105	20	105	70	170.4	53	C20-BS	2.60
	-C25-105	25	105	73	170.4	60	C25-BS	2.65
	-C32-105	32	105	76	170.4	70	C32-BS	2.80
	-C32-135	32	135	76	200.4	70	C32-BS	3.00
	-C32-165	32	165	76	230.4	70	C32-BS	3.50
BT50	-C20-105	20	105	70	206.8	53	C20-BS	4.50
	-C25-105	25	105	73	206.8	60	C25-BS	4.60
	-C32-110	32	110	95	206.8	70	C32-BS	5.15
	-C32-135		236.8		5.90			
	-C32-165		266.8		6.60			
	-C42-115	42	115	98	216.8	92	C42-BS	6.10
	-C42-135	42	135	98	236.8	92	C42-BS	6.60
	-C42-165	42	165	98	266.8	92	C42-BS	7.40

特點/Feature

- 1、刀柄內孔分割6槽以防止滑動，加大夾持力。
- 2、採用兩綫裝置，當刀具滑動至針錐面時滾動摩擦避免脫落。
- 3、夾持部加厚設計，提高剛性，防止震動。
- 4、夾持力強，跳動精度高。

支持高精度的加厚設計及獨特的夾縫結構



夾頭的加厚設計，可以增加剛性，以承受立銑刀的重切削。而採用獨特的夾縫結構可以使夾持部分均與變形，以獲得強大的夾持力及穩定的跳動精度。



BT-C POWER CHUCK TOOL HOLDER

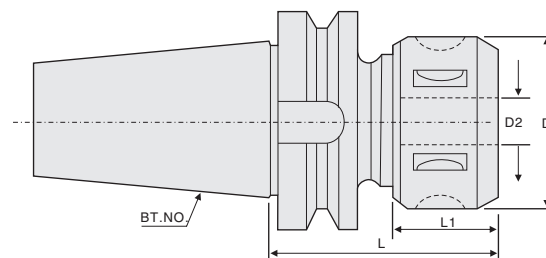
BT-C 型強力刀柄

	型號 Specification	COLLET	內附筒夾規格 spanner
BT30	C20-80-7PCS	C20	3,4,6,8,10,12,16
BT40	C20-105-7PCS		
	C32-105-7PCS	C32	6,8,10,12,16,20,25 1/4,5/16,3/8,1/2,3/4,5/8,1"
	C32-105-7PCS		
BT50	C20-105-7PCS	C20	3,4,6,8,10,12,16
	C32-110-7PCS	C32	6,8,10,12,16,20,25 3/4,3/8,5/8,5/16,1/4,1/2,1"
	C32-110-7PCS		
	C42-115-8PCS	C42	6,8,10,12,16,20,25,32 1/4,5/16,3/8,1/2,3/4,5/8,1" ,1-1/4
	C42-115-8PCS		

特點/Feature

1. 刀柄內孔分割6槽以防止滑動，加大夾持力。
2. 採用雨綫裝置，當刀具滑動至針錐面時滾動摩擦避免脫落。
3. 夾持部加厚設計，提高剛性，防止震動。
4. 夾持力強，跳動精度高。
1. 6 slots design inside the holder to avoid slipping, enhancing clamping force.
2. Frictional gripping force increased by the clamping design, when the cutting tools slip to the cone face.
3. Reinforced thickness of the chuck holder improve the rigidity and anti-vibrations.
4. High clamping force and run-out accuracy.

以上套裝含刀柄1支、筒夾7個、木盒1個、扳手一支、拉釘一支。



BT-OZ HEAVY DUTY TOOL HOLDER

BT-OZ 重切削刀柄

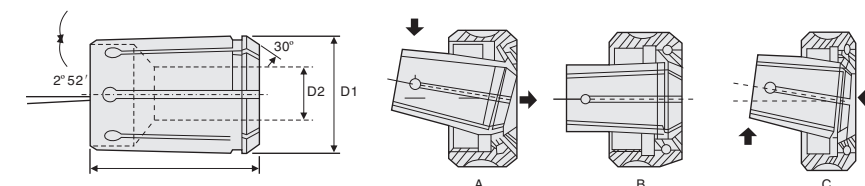
	型號 Specification	D2	L	尺寸 Size D	L1	筒型 Collet Type
BT40	OZ25-80	3-25	80	60	30	OZ25
	OZ25-120	3-25	120	60	30	OZ25
	OZ32-80	6-32	80	72	33	OZ32
	OZ32-150	6-32	150	72	33	OZ32
BT50	OZ25-90	3-25	90	60	30	OZ25
	OZ25-130	3-25	130	60	30	OZ25
	OZ32-105	6-32	105	72	33	OZ32
	OZ32-150	6-32	150	72	33	OZ32

特點/Feature

1. 特殊夾持結構能夠在重切削加工中擁有超強夾持力。
2. 夾持部加厚設計，提高剛性，減少震動。
3. 適合於夾持鑽頭銑刀及其絲攻刀具。
1. Special clamping structure supports strong clamping force for heavy duty processing.
2. Reinforced thickness of the chuck to improve the rigidity and low tendency towards vibrations.
3. Suitable for drilling, milling and tapping tools.

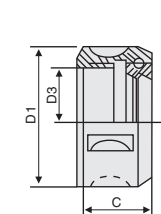


OZ 重切削筒夾/索咀



型號 Specification	D1	L	D2
OZ25	35.5	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

型號 Specification	D1	L	D2
OZ25	35.5	52	1/8,3/16,1/4,5/16,3/8,7/16,1/2,9/16,5/8,11/16,3/4,13/16,7/8,15/16,1"
OZ32	44	60	1/4,5/16,3/8,7/16,1/2,9/16,5/8,11/16,3/4,13/16,7/8,15/16,1",11/8",11/4"



重切削OZ螺帽

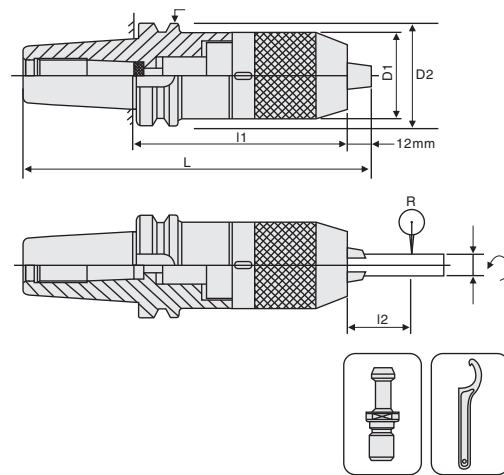


OZ 扳手



型號 Specification	C	D1	D3	筒型 Collet Type
BN25	30	60	M48 × 2	OZ25
BN32	33	72	M60 × 2.5	OZ32

型號 Specification	尺寸 Size(mm) D1	筒型 Collet Type
WOZ25	60	OZ25
WOZ32	80	OZ32



BT-APU DRILL CHUCK HOLDER

BT-APU 一體式鑽夾頭

	型號 Specification	尺寸 Size				夾持範圍 Clamping range	重量 Weight(KG)
		D1	D2	L1	L		
BT30	-APU8-80	36.5	46	80	137.4	0.5~8	0.80
	-APU13-110	48	46	110	158.4	1~13	1.85
	-APU16-110	55.5	46	110	158.4	3~16	2.18
BT40	-APU8-85	36.5	0.63	85	150.4	0.5~8	1.46
	-APU13-105	48	0.63	105	170.4	1~13	2.00
	-APU13-130	48	0.63	130	195.4	1~13	2.33
BT50	-APU16-105	55.5	0.63	105	170.4	3~16	2.33
	-APU16-130	55.5	0.63	130	195.4	3~16	2.60
	-APU8-90	36.5	100	90	191.8	0.5~8	4.20
	-APU13-110	48	100	110	211.8	1~13	4.70
	-APU13-180	48	100	180	281.8	1~13	5.80
	-APU16-115	55.5	100	115	216.8	3~16	5.10
	-APU16-130	55.5	100	130	236.8	3~16	4.80
	-APU16-190	55.5	100	190	296.8	3~16	6.10

特點/Feature

1. 連接柄和夾頭整體的設計，防止兩個刀體意外分離，加工穩定可靠。
 2. 夾頭自緊，加緊鑽頭後隨鑽孔扭矩的增加同步增強夾持力，防止鑽頭打滑。
 3. 夾持力強，高精度，持久耐用。
 4. 適用各類鑽床，銑床和車床。
1. Integrated design of holder and chuck prevents separation of the tool components, ensure reliable and stable machining.
 2. Self tightening, gripping force is enhanced when the drilling torque increase, which can avoid slipping of the drills.
 3. Super drill chuck with high precision and durability.
 4. Wide application in drilling machine, milling machines and lathe.



STRAIGHT SHANK DRILL CHUCK

C-APU 直柄式鑽夾頭

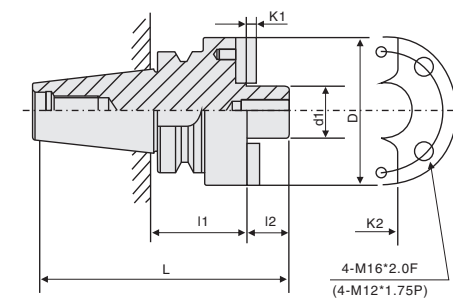
	型號 Specification	L
C20	-APU8	120
	-APU13	140
	-APU16	150
C25	-APU13	161
	-APU16	165
C32	-APU13	165
	-APU16	165



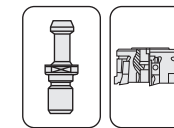
MORSE TAPER DRILL CHUCK

MT-APU 莫式柄一體式鑽夾頭

	型號 Specification	L
MT2	-APU8	164
	-APU13	179
MT3	-APU16	184
	-APU13	202
MT4	-APU16	207



專用面銑刀盤用刀柄



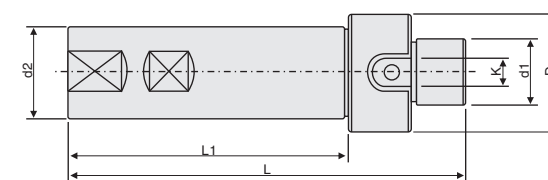
BT-FMA FACE MILLING ARBOR

BT-FMA 面銑刀柄

	型號 Specification	尺寸 Size						重量 Weight(KG)	
		d1	D	L1	L2	L	K1	K2	
BT30	-FMA25.4-45	25.4	50	45	20	113.4	4.52	9.52	1.00
	-FMA25.4-60	25.4	50	60	20	128.4	4.52	9.52	1.30
BT40	-FMA31.75-45	31.75	60	45	22	115.4	6.7	12.7	1.35
	-FMA25.4-45	25.4	50	45	20	130.4	4.52	9.52	1.80
	-FMA25.4-90	25.4	50	90	20	175.4	4.52	9.52	2.60
	-FMA31.75-45	31.75	60	45	22	132.4	6.7	12.7	2.00
	-FMA31.75-90	31.75	60	90	22	177.4	6.7	12.7	2.90
	-FMA38.1-60	38.1	75	60	25	150.4	8.87	15.87	2.80
BT50	-FMA50.8-90	50.8	98	90	26	181.4	9.75	19.05	4.60
	-FMA25.4-60	25.4	50	60	20	166.8	4.52	9.52	4.40
	-FMA25.4-100	25.4	50	100	20	211.8	4.52	9.52	5.10
	-FMA25.4-150	25.4	50	150	20	271.8	4.52	9.52	6.10
	-FMA31.75-60	31.75	80	60	22	168.8	6.7	12.7	4.50
	-FMA31.75-100	31.75	80	100	22	213.8	6.7	12.7	5.70
	-FMA31.75-150	31.75	80	150	22	273.8	6.7	12.7	6.00
	-FMA38.1-60	38.1	60	60	25	186.8	8.87	15.87	4.90
	-FMA38.1-150	38.1	98	150	25	276.8	8.87	15.87	5.70
	-FMA50.8-90	50.8	95	90	26	217.8	9.75	19.05	6.95
	-FMA50.8-150	50.8	95	150	26	277.8	9.75	19.05	7.90
	-FMA47.625-75	47.625	128.75	75	32	208.8	12.5	25.4	7.90

特點/Feature

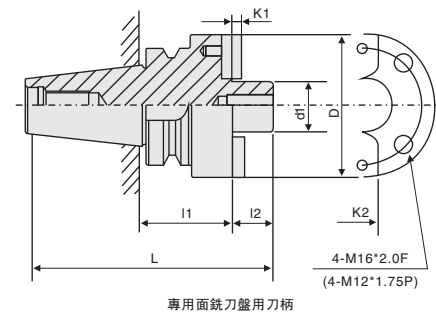
1. 整支通孔，利于出水及抗震。
 2. 附帶緊固螺絲。
 3. 使用中心內冷時，請另外訂購帶有孔的緊固螺絲。
1. Hollow design to increase water outlet and low tendency towards vibrations.
 2. Clamping nuts included.
 3. Separated order for clamping nuts is needed, if using internal coolant system.



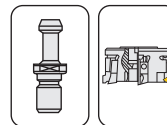
STRAIGHT FACE MILL ARBOR EXTENSION HOLDER

C-FMB 直柄面銑刀延長杆

	型號 Specification	尺寸 Size				
		d1	d2	D	L1	L
C20	-FMB22-60		20		60	98
	-FMB22-60		20		60	98
	-FMB22-100	22	32	47	100	138
C32	-FMB22-150	22	32	47	150	138



專用面銑刀銑用刀柄



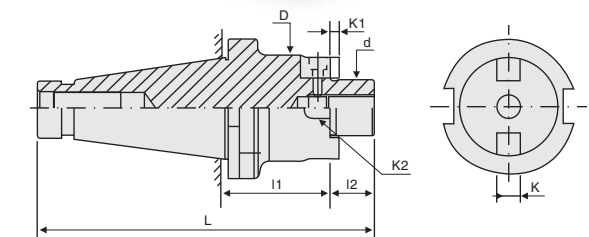
BT-FMB FACE MILLING ARBOR

BT-FMB 面銑刀柄

	型號 Specification	尺寸 Size							重量 Weight(KG)
		d1	D	L1	L2	L	K1	K2	
BT30	-FMB22-45	22	48	45	18	111.4	4.8	10	0.85
	-FMB27-45	27	60	45	20	113.4	5.8	12	1.20
	-FMB32-45	32	78	45	22	115.4	6.8	14	1.35
BT40	-FMB22-45	22	48	45	18	128.4	4.8	10	1.45
	60			143.4		1.70			
	100			183.4		2.10			
	150			233.4		3.10			
	200			283.4		3.80			
	250			283.4		4.50			
	300	333.4	5.10						
	-FMB27-60	27	68	60	20	128.4	5.8	12	1.60
	100			128.4		2.10			
	150			128.4		2.60			
	-FMB32-60	32	78	60	22	128.4	6.8	14	1.70
	100			128.4		2.30			
	150			128.4		3.00			
	-FMB40-60	40	80	60	25	128.4	8.3	16	2.10
	100			128.4		2.50			
150	128.4			3.60					
BT50	-FMB22-100	22	48/58	100	18	201.8	4.8	10	5.20
	150			269.8		6.80			
	200			319.8		7.00			
	250			369.8		8.00			
	300			419.8		9.00			
	350			469.8		10.00			
	-FMB22-400	27	60	100	20	201.8	5.8	12	6.50
	150			269.8		7.50			
	200			319.8		9.50			
	-FMB32-100	32	78	100	22	201.8	6.8	14	6.20
	150			269.8		7.00			
	-FMB40-60			40		89			60
	100	201.8	7.20						
	150	269.8	7.80						
	-FMB60-60	60	140	60	26	161.8	12.5	25.4	8.50

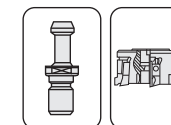
特點/Feature

1. 附帶緊固螺絲。
1. Clamping nuts included.
2. 使用中心內冷時，請另外訂購帶有孔的緊固螺絲。
2. Separated order for clamping nuts is needed, if using internal coolant system.



NT-FMB FACE MILLING ARBOR

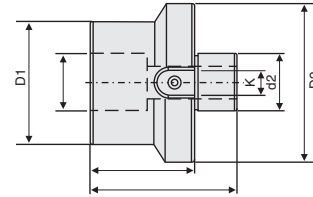
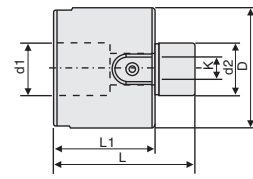
NT-FMB 面銑刀柄



	型號 Specification	軸徑 d	尺寸 Size				DRAW BOLT	
			L	L1	L2	K	INCH	METRIC
NT40	FMB22-30	22	131.4	30	18	10	5/8"-1UNC	M16×2.0
	FMB27-30	27	133.4	30	20	12	5/8"-1UNC	M16×2.0
	FMB32-45	32	135.4	45	22	14	5/8"-1UNC	M16×2.0
	FMB40-50	40	138.4	50	25	16	5/8"-1UNC	M16×2.0
NT50	FMB22-35	22	164.8	35	18	10	1"-8UNC	M24×3.0
	FMB27-35	27	166.8	35	20	12	1"-8UNC	M24×3.0
	FMB32-35	32	168.8	35	22	14	1"-8UNC	M24×3.0
	FMB40-35	40	216.8	35	25	16	1"-8UNC	M24×3.0
	FMB60-65	60	216.8	65	25	25.4	1"-8UNC	M24×3.0

特點/Feature

1. 附帶緊固螺絲。
1. Clamping nuts included.
2. 使用中心內冷時，請另外訂購帶有孔的緊固螺絲。
2. Separated order for clamping nuts is needed, if using internal coolant system.



MILL CHUCK

FMB-FMB 面銑刀柄延長接頭

型號 Specification	尺寸 Size						KG
	d2	D1	D	L1	L		
FMB22	22	22	47	40	60	0.5	
FMB22	22	22	58	50	70	0.6	



MILL CHUCK

FMB-FMB 面銑刀柄轉換接頭

型號 Specification	尺寸 Size						KG
	d2	d1	D1	D2	L1	L	
FMB22	27	22	47	58	40	0.64	



MILL CHUCK

FMB-FMB 面銑刀柄轉換接頭

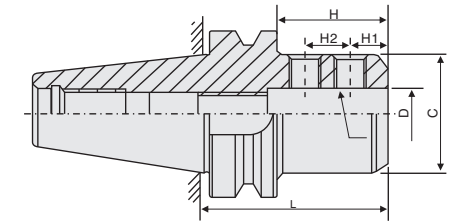
型號 Specification	尺寸 Size						KG
	d2	d1	D1	D2	L1	L	
FMB22	32	22	47	58	48	0.8	



MILL CHUCK

FMB-FMA 面銑刀柄轉換接頭

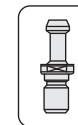
型號 Specification	尺寸 Size						KG
	d2	D1	D	L1	L		
FMB22	25.4	22	47	40	60	0.52	



不分孔徑皆為二只鎖緊螺絲用于夾持具有側固平面的刀具

BT-SLA WELDON TOOL HOLDER

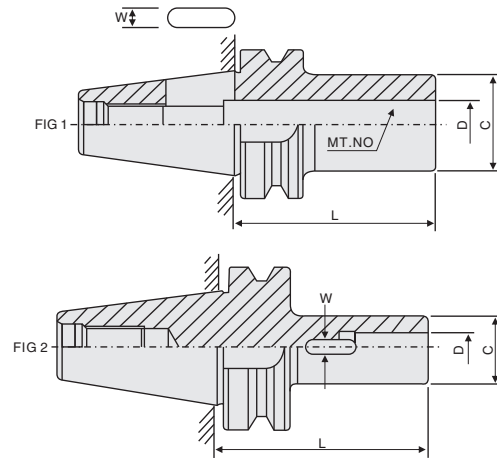
BT-SLA 側固刀柄



型號 Specification	尺寸 Size						重量			
	ΦD	L	ΦC	H(MIN)	H(MAX)	H1	H2	M	Weight(KG)	
BT30	-SLA6-60	6	60	25	20	35	18	M6	0.55	
	-SLA8-60	8	60	28	20	35	18	M8	0.6	
	-SLA10-60	10	60	35	35	50	14	M10	0.7	
	-SLA12-60	12	60	40	35	50	14	M10	0.75	
	-SLA16-90	16	90	40	55	70	25	M10	1.05	
	-SLA20-90	20	90	50	55	70	25	M12	1.1	
	-SLA25-90	25	90	50	55	70	25	M12	1.7	
	-SLA32-100	32	100	60	65	80	25	M16	1.85	
BT40	-SLA6-75	6	75	25	20	35	18	M6	1.2	
	-SLA8-75	8	75	28	20	35	18	M8	1.25	
	-SLA10-75	10	75	35	35	50	14	M10	1.3	
	-SLA12-75	12	75	40	35	50	14	M10	1.35	
	-SLA16-90	16	90	40	55	70	25	M10	1.6	
	-SLA20-90	20	90	50	55	70	25	M12	1.65	
	-SLA25-90	25	90	50	55	70	25	M12	2.5	
	-SLA32-100	32	100	60	65	80	25	M16	2.8	
BT50	-SLA40-100	40	100	70	65	80	25	M20	2.95	
	-SLA42-100	42	100	70	65	80	25	M20	3.15	
	-SLA6-100	6	100	25	20	35		M6	3.9	
	-SLA8-100	8	100	28	20	35		M8	3.9	
	-SLA10-100	10	100	35	35	50	13	M10	4.0	
	-SLA12-100	12	100	40	35	50	13	M10	4.0	
	-SLA16-100	16	100	40	55	70	20	M10	4.5	
	-SLA20-100	20	100	50	55	70	20	M12	4.7	
	-SLA20-150	20	150	50	55	70	20	M12	5.5	
	-SLA20-200	20	200	50	55	70	20	M12	6.0	
	-SLA25-100	25	100	50	55	70	20	M12	5.2	
	-SLA25-150	25	150	50	55	70	20	M12	6.0	
-SLA25-200	25	200	50	55	70	20	M12	7.5		
-SLA32-100	32	100	60	65	80	25	M16	6.0		
-SLA32-150	32	150	60	65	80	25	M16	6.5		
-SLA32-200	32	200	60	65	80	25	M16	7.3		
-SLA40-100	40	100	70	65	80	25	M20	6.6		
-SLA42-150	42	150	70	65	80	25	M20	7.2		
-SLA42-200	42	200	70	65	80	25	M20	7.8		
-SLA42-250	42	250	70	65	80	25	M20	7.8		
-SLA50.8-120	51	120	90	65	80	35	M20	7.4		

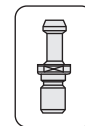
特點/Feature

1. 刃具裝着時，刃物的槽口平面部時與刀柄的側固螺釘對齊，強力鎖緊。
 2. 側固刀柄柄部形狀有不同，使用的刀柄也有區別，必須確認側固螺釘的位置。
1. The slot face should be adjusted equally to the side screw and be tightly locked.
 2. The pattern of the holder is different, so confirm the position of the side screw before choosing the chuck type.

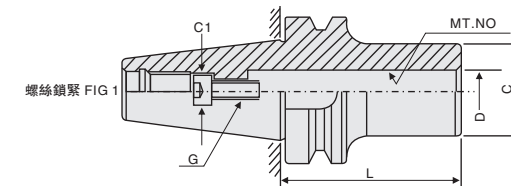


BT-MTA MORSE TAPER DRILL CHUCK

BT-MTA 莫式錐度鑽頭刀柄

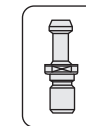


	型號		尺寸 Size				重量
	Specification	类型 (Type)	D	L	C	W	Weight(KG)
BT30	MTA1-45	1	12.065	45	20	5.6	0.55
	MTA2-45	1	17.780	45	30	6.6	0.6
	MTA3-45	1	23.825	45	40	8.4	0.7
BT40	MTA1-45	1	12.065	45	25	5.6	1.05
	MTA1-120	2	12.065	120	25	5.6	1.4
	MTA2-45	1	17.780	45	32	6.6	1.1
	MTA2-120	2	17.780	120	32	6.6	1.85
	MTA3-75	1	23.825	75	40	8.4	1.25
	MTA3-135	2	23.825	135	40	8.4	1.9
	MTA4-90	1	31.065	90	50	12.4	1.45
BT50	MTA4-165	2	31.065	165	50	12.4	2.5
	MTA1-45	1	12.065	45	25	5.6	3.8
	MTA1-120	2	12.065	120	25	5.6	4.3
	MTA1-180	2	12.065	180	25	5.6	5.0
	MTA2-45	1	17.780	45	25	6.6	4.0
	MTA2-135	2	17.780	135	25	6.6	4.7
	MTA2-180	2	17.780	180	25	6.6	5.0
	MTA3-70	1	23.835	75	40	8.4	3.8
	MTA3-150	2	23.835	150	40	8.4	5.0
	MTA3-180	2	23.835	180	40	8.4	5.5
	MTA4-90	1	31.267	90	50	12.4	4.5
	MTA4-180	2	31.267	180	50	12.4	5.5
	MTA5-105	1	44.399	105			4.3

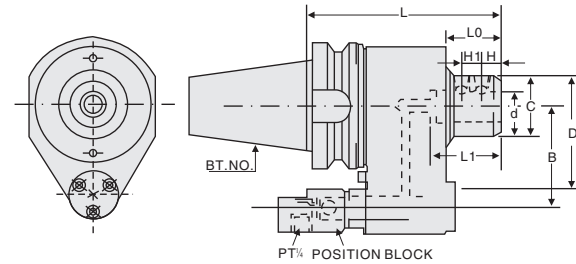


BT-MTB MORSE TAPER TOOL HOLDER

BT-MTB 莫式錐度刀柄



	型號		尺寸 Size					重量
	Specification	样式 (Manner)	D	L	C	C1	G	Weight(KG)
BT30	MTB1-45	1	12.065	45	25	10	M6×1	0.55
	MTB2-45	1	12.065	45	32	10	M10×1	0.55
BT40	MTB1-45	1	12.065	45	25	10	M6×1	1.05
	MTB2-45	1	17.780	45	32	13.5	M10×1.5	1.85
	MTB3-75	1	23.825	75	42	18	M12×1.75	1.3
	MTB4-90	2	31.267	90	50	20.5	M16×2	1.4
BT50	MTB1-45	1	12.065	45	25	10	M6×1	3.8
	MTB2-45	1	17.780	45	32	16	M10×1.5	3.9
	MTB3-60	1	23.825	60	42	18	M12×1.75	4.0
	MTB4-75	1	31.267	75	50	20.5	M16×2	4.2
	MTB5-120	2	44.399	120	70	22.5	M20×2	4.3



BT-SLO OIL-FEED TOOL HOLDER

BT-SLO 油路刀柄

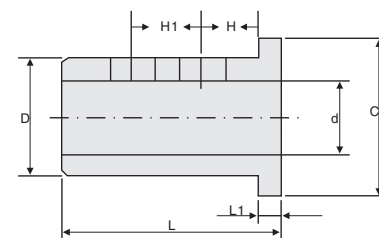
	型號	尺寸 Size								
	Specification	d	L	B	C	D	L0	L1	H	H1
BT40	SLO32-150	32	150	60/65	52	90	50	60	15	15
	SLO40-150	40	150	60/65	70	90	50	70	19	18
BT50	SLO32-160	32	160	80/82	54	100	50	60	15	15
	SLO40-160	40	160	80/82	64	100	50	70	19	18

特點/Feature

- 1、刀柄本體精加工，加工過程中跳動穩定。
1、 Tool body finish machined for stable run-out accuracy.

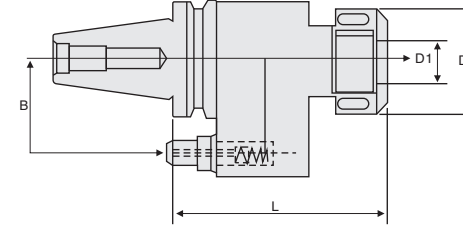
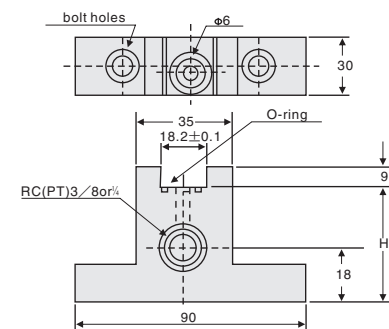
請于訂購時，依據機臺規格確認中心距離B的尺寸。

油路刀套



	型號	尺寸 Size						
	Specification	L	L1	H	H1	d	D	C
C32	16	65	10	15	15	16	32	53
	20	65	10	15	15	20	32	53
	25	65	10	15	15	25	32	53
C40	16	75	10	19	18	16	40	63
	20	75	10	19	18	20	40	63
	25	75	10	19	18	25	40	63
	32	75	10	19	18	32	40	63

止動塊

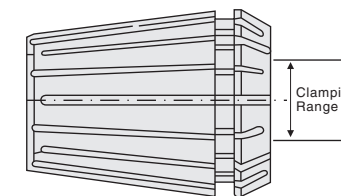


BT-ERO OIL-FEED TOOL HOLDER

BT-ERO 油路刀柄

	型號	尺寸 Size			中心距 Center Dia.
	Specification	D1	D	L	B
BT40	ERO32-145	ERO32-φ6-φ20	50	145	60/65
	ERO40-150	ERO40-φ6-φ25	63	150	60/65
BT50	ERO32-160	ERO32-φ6-φ20	50	155	80/82
	ERO40-160	ERO40-φ6-φ25	63	160	80/82

- 1、ERO油路刀把請使用ER止水筒夾和止水螺帽。
- 2、請于訂購時，依據機臺規格確認中心距離B的尺寸；
- 3、ERO油路刀把止動塊為另購品。

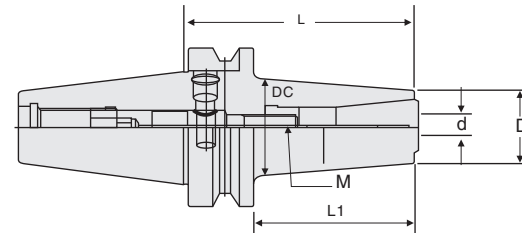


型號	夾持範圍
Specification	Clamping Range
ER32 4C	4.0-3.0
5C	5.0-4.0
6C	6.0-5.0
7C	7.0-6.0
8C	8.0-7.0
9C	9.0-8.0
10C	10.0-9.0
11C	11.0-10.0
12C	12.0-11.0
13C	13.0-12.0
14C	14.0-13.0
15C	15.0-14.0
16C	16.0-15.0
17C	17.0-16.0
18C	18.0-17.0
19C	19.0-18.0
20C	20.0-19.0

型號	夾持範圍
Specification	Clamping Range
ER40 4C	4.0-3.0
5C	5.0-4.0
6C	6.0-5.0
7C	7.0-6.0
8C	8.0-7.0
9C	9.0-8.0
10C	10.0-9.0
11C	11.0-10.0
12C	12.0-11.0
13C	13.0-12.0
14C	14.0-13.0
15C	15.0-14.0
16C	16.0-15.0
17C	17.0-16.0
18C	18.0-17.0
19C	19.0-18.0
20C	20.0-19.0

ER 止水型筒夾

型號	夾持範圍
Specification	Clamping Range
ER40 21C	21.0-20.0
22C	22.0-21.0
23C	23.0-22.0
24C	24.0-23.0
25C	25.0-24.0
26C	26.0-25.0



預設動平衡G2.5,30000min⁻¹
後拉鎖緊,方便更實用,振動精度0.003MM

BT-SDC HIGH PRECISION TOOL HOLDER

BT-SDC 後拉式刀柄

	型號 Specification	夾持範圍(mm) Clamping range	尺寸		Size		單邊斜度 Angle
			D	DC	L	L1	
BT30	-SDC6-60	2.0-6.0	14.5	17	60	40	3°
	-SDC6-90	2.0-6.0	14.3	20.5	90	40	3°
	-SDC8-60	2.0-10.0	22.6	26	60	40	3°
	-SDC8-90	2.0-10.0	22.5	29	90	40	3°
	-SDC12-60	2.0-12.0	34.2	34.2	60	40	/
BT40	-SDC12-90	2.0-12.0	34.2	34.2	90	40	/
	-SDC6-70	2.0-6.0	14.2	17.8	70	45	3°
	-SDC6-100	2.0-6.0	14.3	20.9	100	75	3°
	-SDC6-150	2.0-6.0	14.4	26.2	150	125	3°
	-SDC6-200	2.0-6.0	13.1	30.2	200	175	3°
	-SDC6-250	2.0-6.0	13.1	35.4	250	225	3°
	-SDC8-70	2.0-10.0	22	26	70	45	3°
	-SDC8-100	2.0-10.0	22	29.2	100	75	3°
	-SDC8-150	2.0-10.0	22	34.4	150	125	3°
	-SDC8-200	2.0-10.0	22	39.7	200	175	3°
	-SDC8-250	2.0-10.0	22	44.9	250	225	3°
	-SDC12-70	2.0-12.0	34	34	70	45	/
	-SDC12-100	2.0-12.0	34	34	100	75	/
	-SDC12-150	2.0-12.0	34	34	150	125	/
	-SDC12-200	2.0-12.0	34	34	200	175	/
-SDC12-250	2.0-12.0	34	34	250	225	/	
BT50	-SDC6-100	2.0-6.0	14.2	19.8	100	65	3°
	-SDC6-150	2.0-6.0	14.2	25	150	115	3°
	-SDC6-200	2.0-6.0	14.2	30.2	200	165	3°
	-SDC6-250	2.0-6.0	14.2	35.5	250	215	3°
	-SDC6-300	2.0-6.0	14.2	40.7	300	265	3°
	-SDC8-100	2.0-10.0	22	28.1	100	65	3°
	-SDC8-150	2.0-10.0	22	33.3	150	115	3°
	-SDC8-200	2.0-10.0	22	38.5	200	165	3°
	-SDC8-250	2.0-10.0	22	43.8	250	215	3°
	-SDC8-300	2.0-10.0	22	49	300	265	3°
	-SDC12-100	2.0-12.0	34	34	100	65	/
	-SDC12-150	2.0-12.0	34	34	150	115	/
	-SDC12-200	2.0-12.0	34	34	200	165	/
	-SDC12-250	2.0-12.0	34	34	250	215	/
	-SDC12-300	2.0-12.0	34	34	300	265	/

特點/Feature

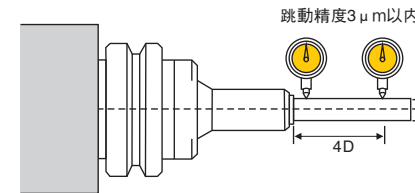
1. 預設動平衡, 刀柄精度高, 跳動0.003mm, 最高轉速G2.5 30000rpm適合高精密加工。
2. 無螺帽設計, 減少加工干涉。
3. 后拉筒夾特殊角度設計, 夾持力強, 重複裝夾精度高。
4. 安裝和拆卸刀具方便, 使用六角扳手即可。

1. Pre-balanced, high precision run-out 0.003mm, maximum G2.5 30000 rpm, suitable for high precision machining.
2. Without clamping nut, less processing interference.
3. Back locking collet design ensures high clamping force and precision repetition.
4. Assembling and disassembling process is simple and easy by hexagonal wrench.



SDC COLLET

SDC 後拉式筒夾



跳動精度3 μm以內

型號	標準		精密	
	Specification	Standard	Standard	Precision
SDC6	-3	0.005	0.003	0.003
	-4	0.005	0.003	0.003
	-5	0.005	0.003	0.003
	-6	0.005	0.003	0.003

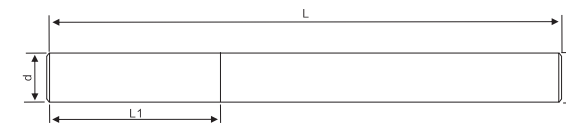
型號	標準		精密	
	Specification	Standard	Standard	Precision
SDC8	-3	0.005	0.003	0.003
	-4	0.005	0.003	0.003
	-5	0.005	0.003	0.003
	-6	0.005	0.003	0.003
SDC12	-8	0.005	0.003	0.003
	-10	0.005	0.003	0.003

型號	標準		精密	
	Specification	Standard	Standard	Precision
SDC12	-3	0.005	0.003	0.003
	-4	0.005	0.003	0.003
	-5	0.005	0.003	0.003
	-6	0.005	0.003	0.003
SDC12	-8	0.005	0.003	0.003
	-10	0.005	0.003	0.003
SDC12	-12	0.005	0.003	0.003

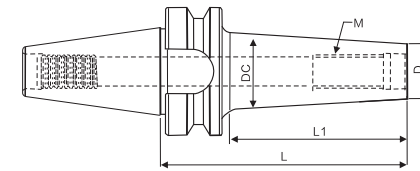
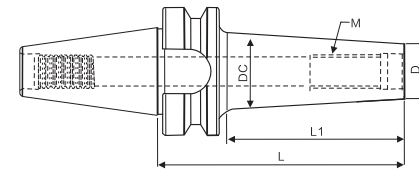


SDC EXTENSION HOLDER

SDC 後拉式延長杆

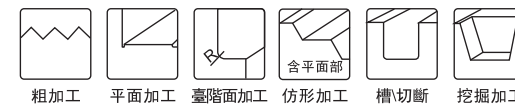


型號	Specification	d	D	L	L1	斜度
						Angle
SDC	ST12-SDC6-120L	13.5	12	120	45	
	ST12-SDC6-150L	13.5	12	150	45	
	ST16-SDC6-130L	13.5	16	130	30	单边3°
	ST16-SDC6-150L	13.5	16	150	30	单边3°
	ST16-SDC6-200L	13.5	16	200	35	单边3°
	ST16-SDC6-250L	13.5	16	250	35	单边3°
	ST20-SDC6-150L	13.5	20	150	30	单边3°
	ST20-SDC6-200L	13.5	20	200	35	单边3°
	ST20-SDC6-250L	13.5	20	250	35	单边3°
	ST20-SDC8-150L	20	20	150	45	
	ST20-SDC8-200L	20	20	200	45	
	ST20-SDC8-250L	20	20	250	45	



INDEXABLE SCREW TYPE MODULAR CUTTER

可轉位鎖牙式立銑刀柄



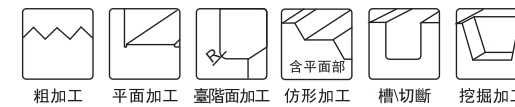
型號 Specification	M	D	DC	L	L1	單邊斜度 Angle
BT30-M6-50L	M6	11.5	13.4	50	30	3°
BT30-M6-100L	M6	12		100	80	3°
BT30-M8-50L	M8	15	17.5	50	30	3°
BT30-M8-100L	M8	15	22.5	100	80	3°
BT30-M10-50L	M10	19	44.5	50	30	3°
BT30-M10-100L	M10	19	25.5	100	80	3°
BT30-M12-50L	M12	23	26	50	30	3°
BT30-M12-100L	M12	23	30	100	80	3°
BT30-M16-50L	M16	30	32.5	50	30	3°
BT30-M16-100L	M16	31	32	100	80	3°
BT40-M8-70	M8	15.5	16	70	45	3°
BT40-M8-100	M8	15	37.5	100	75	3°
BT40-M8-150	M8	15	21.5	150	125	3°
BT40-M8-200	M8	14.5	25.5	200	175	3°
BT40-M10-70	M10	19	23.5	70	45	3°
BT40-M10-100	M10	19	26.5	100	75	3°
BT40-M10-150	M10	19	32	150	125	3°
BT40-M10-200	M10	19.5	37.5	200	175	3°
BT40-M12-70	M12	24	28	70	45	3°
BT40-M12-100	M12	24	31	100	75	3°
BT40-M12-150	M12	24	36	150	125	3°
BT40-M12-200	M12	24	42	200	175	3°
BT40-M16-70	M16	30	34	70	45	3°
BT40-M16-100	M16	30	37.5	100	75	3°
BT40-M16-150	M16	30	43	150	125	3°
BT40-M16-200	M16	30	48.5	200	175	3°

產品特性/Feature

- 1、模塊化組合，刀頭與刀柄螺紋連接，沉頭結合
 - 2、刀柄直接連接刀頭，無需筒夾，降低多次裝夾精度公差
 - 3、刀片切削均勻提高刀片壽命，減少加工過程中因為周跳導致的振紋
 - 4、可換式刀頭，重複裝夾精度高，適合開粗和精銑
 - 5、刀頭可以對應不同型號刀片，與刀柄多種組合，即使刀具部分損壞也可立即更換，更經濟
- 1、Modular type screw cutter connected with tool holder, countersink surface.
 - 2、Direct connection without collet, repetition tolerance is reduced.
 - 3、Equal cutting force promise the improved insert life and less processing chatter marks
 - 4、Changeable screw cutter bar, precision repetition, suitable for rough and finish machining.
 - 5、Various insert type can be applied for the the screw cutter, different combinations with the tool holder are available . Part of tools can be replaced easily, more economical

INDEXABLE SCREW TYPE MODULAR CUTTER

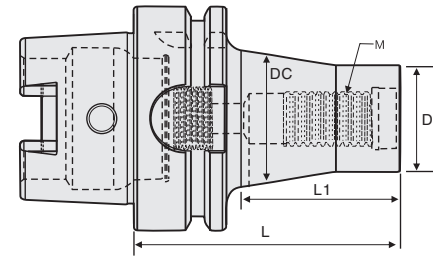
可轉位鎖牙式立銑刀柄



型號 Specification	M	D	DC	L	L1	單邊斜度 Angle
BT50-M8-100	M8	15	20.9	100	75	3°
BT50-M8-150	M8	15	26.1	150	115	3°
BT50-M8-200	M8	15	31.3	200	165	3°
BT50-M8-250	M8	15	36.5	250	215	3°
BT50-M8-300	M8	15	41.7	300	265	3°
BT50-M10-100	M10	19	24.8	100	75	3°
BT50-M10-150	M10	19	30	150	115	3°
BT50-M10-200	M10	19	35.2	200	165	3°
BT50-M10-250	M10	19	40.5	250	215	3°
BT50-M10-300	M10	19	45.7	300	265	3°
BT50-M12-100	M12	23	28	100	75	3°
BT50-M12-150	M12	23	34.1	150	115	3°
BT50-M12-200	M12	23	39.4	200	165	3°
BT50-M12-250	M12	23	44.6	250	215	3°
BT50-M12-300	M12	23	49.8	300	265	3°
BT50-M16-100	M16	29	34.7	100	75	3°
BT50-M16-150	M16	29	39.9	150	115	3°
BT50-M16-200	M16	29	45.2	200	165	3°
BT50-M16-250	M16	29	50.4	250	215	3°
BT50-M16-300	M16	29	55.6	300	265	3°

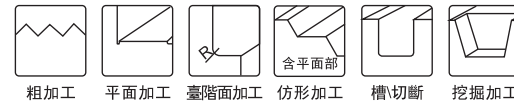
特點/Feature

- 1、模塊化組合，刀頭與刀柄螺紋連接，沉頭結合
 - 2、刀柄直接連接刀頭，無需筒夾，降低多次裝夾精度公差
 - 3、刀片切削均勻提高刀片壽命，減少加工過程中因為周跳導致的振紋
 - 4、可換式刀頭，重複裝夾精度高，適合開粗和精銑
 - 5、刀頭可以對應不同型號刀片，與刀柄多種組合，即使刀具部分損壞也可立即更換，更經濟
- 1、Modular type screw cutter connected with tool holder, countersink surface.
 - 2、Direct connection without collet, repetition tolerance is reduced.
 - 3、Equal cutting force promise the improved insert life and less processing chatter marks
 - 4、Changeable screw cutter bar, precision repetition, suitable for rough and finish machining.
 - 5、Various insert type can be applied for the the screw cutter, different combinations with the tool holder are available . Part of tools can be replaced easily, more economical



INDEXABLE SCREW TYPE MODULAR CUTTER

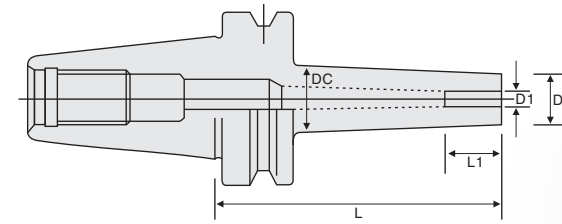
可轉位鎖牙式立銑刀柄



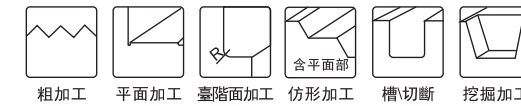
型號 Specification	M	D	尺寸 Size			單邊斜度 Angle
			DC	L	L1	
HSK63A-M8-75L	M8	15	28	75	20	20°
HSK63A-M8-125L	M8	15	28	125	70	20°
HSK63A-M10-75L	M10	19	33	75	20	15°
HSK63A-M10-125L	M10	19	33	125	70	15°
HSK63A-M12-75L	M12	24	39	75	20	15°
HSK63A-M12-125L	M12	24	39	125	70	15°
HSK63A-M16-75L	M16	31	39	75	20	10°
HSK63A-M16-125L	M16	31	39	125	70	10°

特點/Feature

- 1、模塊化組合，刀頭與刀柄螺紋連接，沉頭結合
 - 2、刀柄直接連接刀頭，無需筒夾，降低多次裝夾精度公差
 - 3、刀片切削均勻提高刀片壽命，減少加工過程中因為周跳導致的振紋
 - 4、可換式刀頭，重復裝夾精度高，適合開粗和精銑
 - 5、刀頭可以對應不同型號刀片，與刀柄多種組合，即使刀具部分損壞也可立即更換，更經濟
- 1、Modular type screw cutter connected with tool holder, countersink surface.
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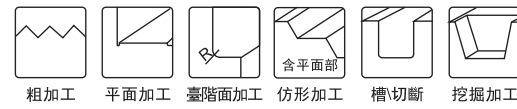
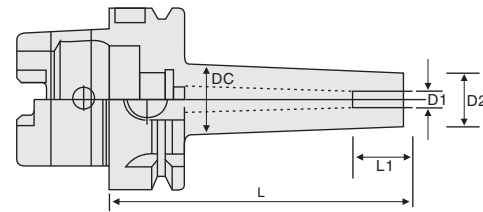


BT-SR SHRINK FIT CHUCK
BT-SR 熱縮刀柄標準型



型號 Specification	尺寸 Size			單邊斜度 Angle		
	D1	D2	DC			
BT30	BT30-SR4-80	4	15	20	80	4.5°
	BT30-SR6-80	6	21	27	80	4.5°
	BT30-SR8-80	8	22	28	80	4.5°
	BT30-SR10-80	10	24	32	80	4.5°
	BT30-SR12-80	12	24	32	80	4.5°
BT40	BT40-SR4-90	4.0	15	20	90	4.5°
	BT40-SR6-90	6.0	21	27	90	4.5°
	BT40-SR6-120	6.0	21	27	120	4.5°
	BT40-SR6-160	6.0	21	27	160	4.5°
	BT40-SR8-90	8.0	21	27	90	4.5°
	BT40-SR8-120	8.0	21	27	120	4.5°
	BT40-SR8-160	8.0	21	27	160	4.5°
	BT40-SR10-90	10.0	24	32	90	4.5°
	BT40-SR10-120	10.0	24	32	120	4.5°
	BT40-SR10-160	10.0	24	32	160	4.5°
	BT40-SR12-90	12.0	24	32	90	4.5°
	BT40-SR12-120	12.0	24	32	120	4.5°
	BT40-SR12-160	12.0	24	32	160	4.5°
	BT40-SR16-90	16.0	27	34	90	4.5°
	BT40-SR16-120	16.0	27	34	120	4.5°
BT40-SR16-160	16.0	27	34	160	4.5°	
BT50	BT40-SR20-90	20.0	33	42	90	4.5°
	BT40-SR20-120	20.0	33	42	120	4.5°
	BT40-SR20-160	20.0	33	42	160	4.5°
	BT40-SR25-100	25.0	44	53	100	4.5°
	BT40-SR25-160	25.0	44	53	160	4.5°
	BT40-SR32-100	32.0	44	53	100	4.5°
	BT40-SR32-160	32.0	44	53	160	4.5°
	BT50-SR6-100	6.0	21	27	100	4.5°
	BT50-SR6-160	6.0	21	27	160	4.5°
	BT50-SR8-100	8.0	21	27	100	4.5°
	BT50-SR8-160	8.0	21	27	160	4.5°
	BT50-SR10-100	10.0	24	32	100	4.5°
	BT50-SR10-160	10.0	24	32	160	4.5°
	BT50-SR12-100	12.0	24	32	100	4.5°
	BT50-SR12-160	12.0	24	32	160	4.5°
BT50-SR16-100	16.0	27	34	100	4.5°	
BT50-SR16-160	16.0	27	34	160	4.5°	
BT50-SR20-100	20.0	33	42	100	4.5°	
BT50-SR20-160	20.0	33	42	160	4.5°	
BT50-SR25-100	25.0	44	53	100	4.5°	
BT50-SR25-160	25.0	44	53	160	4.5°	
BT50-SR32-100	32.0	44	53	100	4.5°	
BT50-SR32-160	32.0	44	53	160	4.5°	

NEW

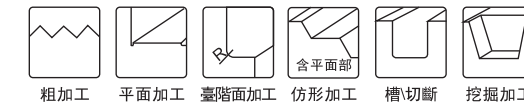
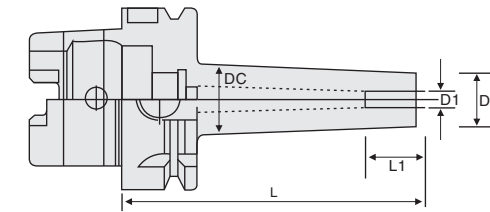


HSK-SR SHRINK FIT CHUCK
HSK-SR 熱縮刀柄標準型

型號 Specification	尺寸 Size				單邊斜度 Angle	
	D1	D2	DC	L		
HSK32E	-SR3-60	3	15	20	60	4.5°
	-SR4-60	4	15	20	60	4.5°
	-SR6-70	6	21	26	70	4.5°
	-SR8-70	8	21	26	70	4.5°
	-SR10-80	10	24	32	80	4.5°
HSK40E	-SR4-60	4	15	20	60	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR8-80	8	21	27	80	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR12-90	12	24	32	90	4.5°
HSK50E	-SR4-60	4	15	20	60	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR8-80	8	21	27	80	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR12-90	12	24	32	90	4.5°
HSK63A	-SR4-80	4	15	20	80	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR6-120	6	21	27	120	4.5°
	-SR6-160	6	21	27	160	4.5°
	-SR8-80	8	21	27	80	4.5°
HSK100A	-SR8-120	8	21	27	120	4.5°
	-SR8-160	8	21	27	160	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR10-120	10	24	32	120	4.5°
	-SR10-160	10	24	32	160	4.5°
	-SR12-90	12	24	32	90	4.5°
	-SR12-120	12	24	32	120	4.5°
	-SR12-160	12	24	32	160	4.5°
	-SR16-100	16	27	34	100	4.5°
	-SR16-160	16	27	34	160	4.5°
	-SR20-100	20	33	42	100	4.5°
	-SR20-160	20	33	42	160	4.5°
	-SR25-120	25	44	53	120	4.5°
	-SR25-160	25	44	53	160	4.5°
	-SR32-120	32	44	53	120	4.5°
-SR32-160	32	44	53	160	4.5°	

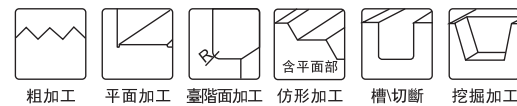
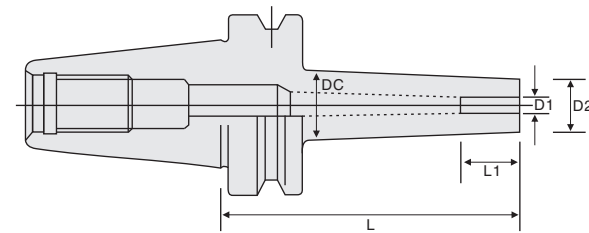
特點/Feature

1. 夾持力強，高精度
 2. 不需要其它配件，減少加工干涉，適合深腔加工
 3. 中心冷卻效果好
 4. 預設動平衡G2.5 25000RPM
1. High clamping force with stable run-out accuracy <0.003mm
 2. Without extra spare parts, less machining interference, suitable for deep cavity machining
 3. Good central cooling
 4. Pre-balanced to G2.5 25000RPM



HSK-SR SHRINK FIT CHUCK
HSK-SR 熱縮刀柄標準型

型號 Specification	尺寸 Size				單邊斜度 Angle		
	D1	D2	DC	L			
HSK63A	-SR4-80	4	15	20	80	4.5°	
	-SR6-80	6	21	27	80	4.5°	
	-SR6-120	6	21	27	120	4.5°	
	-SR6-160	6	21	27	160	4.5°	
	-SR8-80	8	21	27	80	4.5°	
	-SR8-120	8	21	27	120	4.5°	
	-SR8-160	8	21	27	160	4.5°	
	-SR10-90	10	24	32	90	4.5°	
	-SR10-120	10	24	32	120	4.5°	
	-SR10-160	10	24	32	160	4.5°	
	-SR12-90	12	24	32	90	4.5°	
	-SR12-120	12	24	32	120	4.5°	
	-SR12-160	12	24	32	160	4.5°	
	HSK100A	-SR16-100	16	27	34	100	4.5°
		-SR16-160	16	27	34	160	4.5°
-SR20-100		20	33	42	100	4.5°	
-SR20-160		20	33	42	160	4.5°	
-SR25-120		25	44	53	120	4.5°	
-SR25-160		25	44	53	160	4.5°	
-SR32-120		32	44	53	120	4.5°	
-SR32-160		32	44	53	160	4.5°	
-SR6-90		6	21	27	90	4.5°	
-SR6-120		6	21	27	120	4.5°	
-SR6-160		6	21	27	160	4.5°	
-SR8-90		8	21	27	90	4.5°	
-SR8-120		8	21	27	120	4.5°	
-SR8-160		8	21	27	160	4.5°	
-SR10-90		10	24	32	90	4.5°	
-SR10-120	10	24	32	120	4.5°		
-SR10-160	10	24	32	160	4.5°		
-SR12-100	12	24	32	100	4.5°		
-SR12-120	12	24	32	120	4.5°		
-SR12-160	12	24	32	160	4.5°		
-SR16-100	16	27	34	100	4.5°		
-SR16-160	16	27	34	160	4.5°		
-SR20-110	20	33	42	110	4.5°		
-SR20-160	20	33	42	160	4.5°		
-SR25-120	25	44	53	120	4.5°		
-SR25-160	25	44	53	160	4.5°		
-SR32-120	32	44	53	120	4.5°		
-SR32-160	32	44	53	160	4.5°		

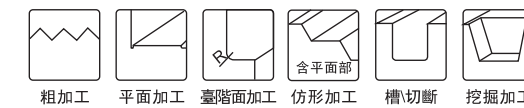
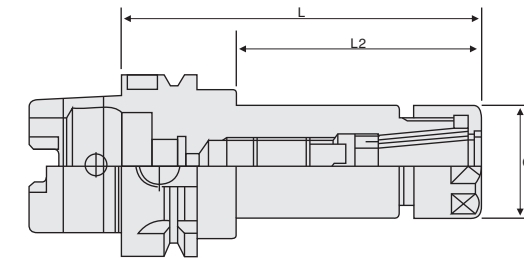


BT-SR SHRINK FIT SLIM CHUCK
BT-SR 熱縮刀柄細長型

	型號 Specification	尺寸 Size				單邊斜度 Angle
		D1	D2	DC	L	
BT30	-SRS3-80	3.0	8	14	80	3°
	-SRS4-80	4.0	12	16	80	3°
	-SRS6-80	6.0	12	18	80	3°
	-SRS8-80	8.0	14	20	80	3°
	-SRS10-80	10.0	16	22	80	3°
BT40	-SRS12-80	12.0	18	24	80	3°
	-SRS4-90	4.0	10	16	90	3°
	-SRS4-120	4.0	10	19	120	3°
	-SRS4-160	4.0	10	22	160	3°
	-SRS6-90	6.0	12	18	90	3°
	-SRS6-120	6.0	12	21	120	3°
	-SRS6-160	6.0	12	24	160	3°
	-SRS8-90	8.0	14	20	90	3°
	-SRS8-120	8.0	14	23	120	3°
	-SRS8-160	8.0	14	26	160	3°
	-SRS10-90	10.0	16	22	90	3°
	-SRS10-120	10.0	16	25	120	3°
	-SRS10-160	10.0	16	28	160	3°
	-SRS12-90	12.0	18	24	90	3°
	-SRS12-120	12.0	18	27	120	3°
	-SRS12-160	12.0	18	30	160	3°

HSK-SR SHRINK FIT SLIM CHUCK
HSK-SR 熱縮刀柄細長型

	型號 Specification	尺寸 Size				單邊斜度 Angle
		D1	D2	DC	L	
HSK63A	-SRS4-80	4	10	16	80	3°
	-SRS4-120	4	10	19	120	3°
	-SRS4-160	4	10	22	160	3°
	-SRS6-80	6	12	18	80	3°
	-SRS6-120	6	12	21	120	3°
	-SRS6-160	6	12	24	160	3°
	-SRS8-80	8	14	20	80	3°
	-SRS8-120	8	14	23	120	3°
	-SRS8-160	8	14	26	160	3°
	-SRS10-90	10	16	22	90	3°
	-SRS10-120	10	16	25	120	3°
	-SRS10-160	10	16	28	160	3°
	-SRS12-90	12	18	24	90	3°
	-SRS12-120	12	18	27	120	3°
	-SRS12-160	12	18	30	160	3°

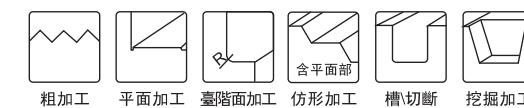
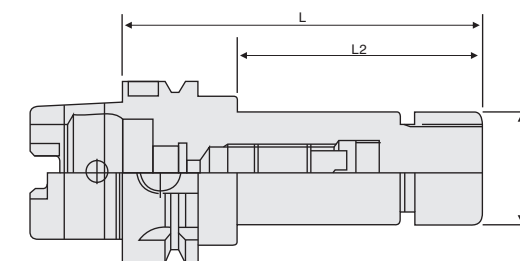


HSK-ER TOOL HOLDER
HSK-ER 刀柄

	型號 Specification	夾持範圍 Clamping range	φC	L	L2	筒夾 suitable Collet	重量 Weight(KG)
	-ER20-95	1.0~13.0	34	95	69	ER20	1.0
	-ER25-105	1.0~16.0	42	105	79	ER25	1.2
	-ER32-110	1.0~20.0	50	110	84	ER32	1.4

特點/Feature

- 1、刀柄精度高。2、穩定的震動精度，提高精加工表面精度。
- 1、High precision. 2、Stable run-out accuracy to enhance fine machining surface roughness.



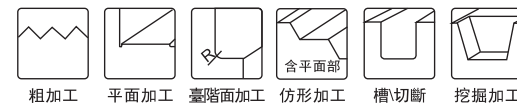
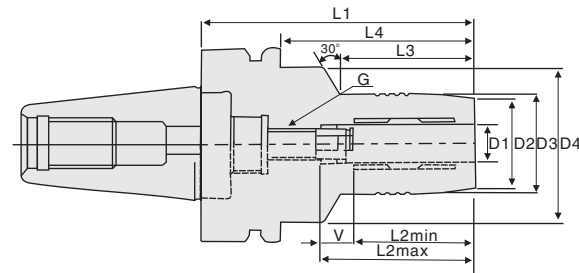
預設動平衡、精度高，適合高速旋轉 最高轉速40000min⁻¹
HSK-GSK 刀柄

	型號 Specification	C	L	L2	夾持範圍 Clamping range	最高旋轉數 MAX.min ⁻¹	筒夾 suitable Collet
	-SK16-80	40.0	80	45	2.75~16.0	30,000	SK16
HSK 63A	-SK10-105/150	27.5	105/150	63/108	1.75~10.0	30,000	SK10
	-SK16-120/150	40.0	120/150	78/108	2.75~16.0	25,000	SK16

特點/Feature

- 1、預設動平衡，刀柄精度高。 2、穩定的震動精度，提高精加工表面精度。
- 1、Pre-balanced for high precision. 2、Stable run-out accuracy to enhance fine machining surface roughness.

NEW



BT30-HS HYDRAULIC CHUCK

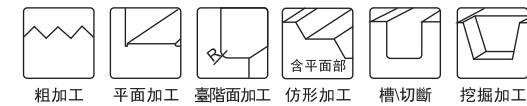
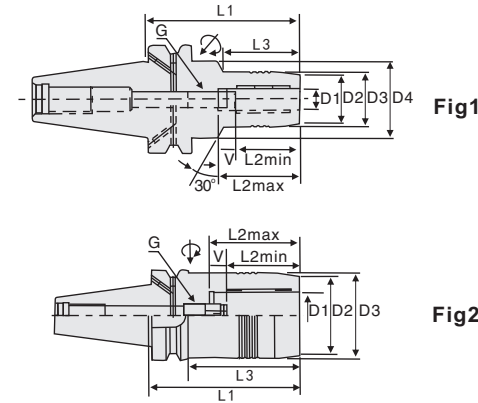
BT30-HS 液壓刀柄

型號		D1	D2	D3	D4	L1	L2max	L2min	V	L3	G
BT30	HS3-70	3	21	24	45	70	24	-	-	30	-
	HS4-70	4	22	25	45	70	28	-	-	30	-
	HS5-70	5	23	26	45	70	32	-	-	30	-
	HS6-70	6	25	28	45	70	37.5	27.5	10	28	M5X0.8
	HS8-70	8	27	30	45	70	37.5	27.5	10	28	M6X1.0
	HS10-75	10	29	32	45	75	42.5	32.5	10	38	M6X1.0
	HS12-75	12	31	34	45	75	47.5	37.5	10	36	M6X1.0
	HS14-85	14	33	36	45	85	47.5	37.5	10	44	M6X1.0
	HS16-90	16	35	38	45	90	52.5	42.5	10	48	M8X1.0
	HS18-90	18	38	41	45	90	52.5	42.5	10	48	M8X1.0
HS20-90	20	40	43	-	90	52.5	42.5	10	-	M8X1.0	

特點/Feature

1. 夾持力強，精度高，適合高速加工
2. 使用T型扳手，裝卸簡單，便于操作和維護
3. 柄徑為 $\phi 6-\phi 32$ 的切削刀具要求柄部公差為h6
4. 預設動平衡G2.5 25000RPM

1. High clamping force for high speed machining, run-out accuracy <0.003mm
2. Clamping by T-Wrench, easy to handle, less maintenance
3. Cutting tool shank tolerance should be within h6
4. Pre-balanced to G2.5 25000RPM



NEW

BT40-HS HYDRAULIC CHUCK

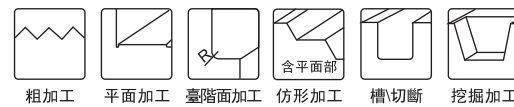
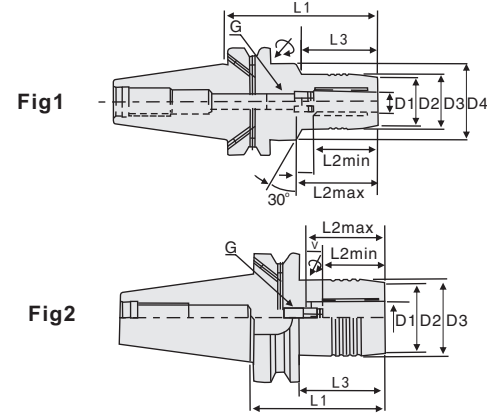
BT40-HS 液壓刀柄

型號		D1	D2	D3	D4	L1	L2max	L2min	V	L3	G	Type
BT40	HS6-65	6	25	28	50	65	37.5	27.5	10	23	M5X0.8	Fig1
	HS6-90	6	25	28	50	90	37.5	27.5	10	44	M5X0.8	Fig1
	HS6-140	6	25	28	50	140	37.5	27.5	10	44	M5X0.8	Fig1
	HS8-65	8	27	30	50	65	37.5	27.5	10	23	M6X1.0	Fig1
	HS8-90	8	27	30	50	90	37.5	27.5	10	39	M6X1.0	Fig1
	HS8-140	8	27	30	50	140	37.5	27.5	10	44	M6X1.0	Fig1
	HS10-65	10	29	32	50	65	42.5	32.5	10	23	M6X1.0	Fig1
	HS10-90	10	29	32	50	90	42.5	32.5	10	44	M6X1.0	Fig1
	HS10-140	10	29	32	50	140	42.5	32.5	10	44	M6X1.0	Fig1
	HS12-65	12	31	34	50	65	47.5	37.5	10	23	M6X1.0	Fig1
	HS12-90	12	31	34	50	90	47.5	37.5	10	44	M6X1.0	Fig1
	HS12-140	12	31	34	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-65	14	33	36	50	65	47.5	37.5	10	23	M6X1.0	Fig1
	HS14-90	14	33	36	50	90	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-140	14	33	36	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS16-65	16	35	38	50	65	52.5	42.5	10	23	M8X1.0	Fig1
	HS16-90	16	35	38	50	90	52.5	42.5	10	48	M8X1.0	Fig1
	HS16-140	16	35	38	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-75	18	38	41	50	75	52.5	42.5	10	30	M8X1.0	Fig1
	HS18-90	18	38	41	50	90	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-140	18	38	41	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS20-75	20	40	43	50	75	52.5	42.5	10	30	M8X1.0	Fig1
	HS20-90	20	40	43	50	90	52.5	42.5	10	47	M8X1.0	Fig1
	HS20-140	20	40	43	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS25-100	25	53	57	50	100	61	51	10	73	M16X1.0	Fig2
	HS25-135	25	53	57	50	135	61	51	10	108	M16X1.0	Fig2
	HS32-105	32	58	63	50	105	65	55	10	-	M16X1.0	Fig2
	HS32-135	32	58	63	-	135	65	55	10	-	M16X1.0	Fig2

特點/Feature

1. 夾持力強，精度高，適合高速加工。
2. 使用T型扳手，裝卸簡單，便于操作和維護
3. 柄徑為 $\phi 6-\phi 32$ 的切削刀具要求柄部公差為h6
4. 預設動平衡G2.5 25000RPM

1. High clamping force for high speed machining, run-out accuracy <0.003mm
2. Clamping by T-Wrench, easy to handle, less maintenance
3. Cutting tool shank tolerance should be within h6
4. Pre-balanced to G2.5 25000RPM

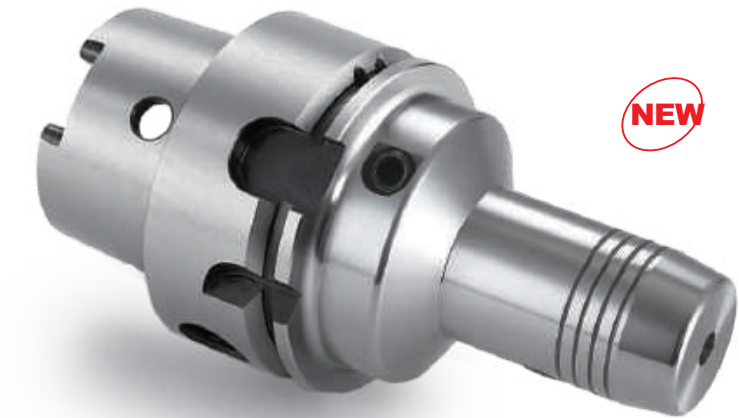
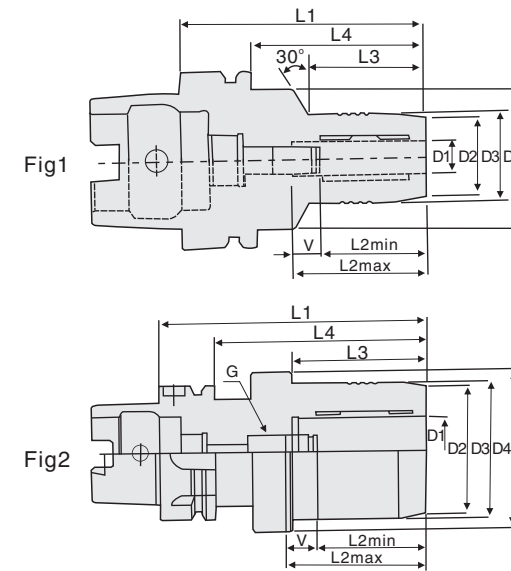


BT50-HS HYDRAULIC CHUCK
BT50-HS 液壓刀柄

型號 Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	G	Type
HS6-90	6	25	28	50	90	37.5	27.5	10	32	M5X0.8	Fig1
HS6-120	6	25	28	50	120	37.5	27.5	10	44	M5X0.8	Fig1
HS6-140	6	25	28	50	140	37.5	27.5	10	44	M5X0.8	Fig1
HS8-90	8	27	30	50	90	37.5	27.5	10	32	M6X1.0	Fig1
HS8-120	8	27	30	50	120	37.5	27.5	10	40	M6X1.0	Fig1
HS8-140	8	27	30	50	140	37.5	27.5	10	44	M6X1.0	Fig1
HS10-90	10	29	32	50	90	42.5	32.5	10	32	M6X1.0	Fig1
HS10-120	10	29	32	50	120	42.5	32.5	10	44	M6X1.0	Fig1
HS10-140	10	29	32	50	140	42.5	32.5	10	44	M6X1.0	Fig1
HS12-90	12	31	34	50	90	47.5	37.5	10	32	M6X1.0	Fig1
HS12-120	12	31	34	50	120	47.5	37.5	10	44	M6X1.0	Fig1
HS12-140	12	31	34	50	140	47.5	37.5	10	44	M6X1.0	Fig1
HS14-90	14	33	36	50	90	47.5	37.5	10	32	M6X1.0	Fig1
HS14-120	14	33	36	50	120	47.5	37.5	10	44	M6X1.0	Fig1
HS14-140	14	33	36	50	140	47.5	37.5	10	44	M6X1.0	Fig1
HS16-90	16	35	38	50	90	52.5	42.5	10	32	M8X1.0	Fig1
HS16-120	16	35	38	50	120	52.5	42.5	10	48	M8X1.0	Fig1
HS16-140	16	35	38	50	140	52.5	42.5	10	48	M8X1.0	Fig1
HS18-90	18	38	41	50	90	52.5	42.5	10	32	M8X1.0	Fig1
HS18-120	18	38	41	50	120	52.5	42.5	10	48	M8X1.0	Fig1
HS18-140	18	38	41	50	140	52.5	42.5	10	48	M8X1.0	Fig1
HS20-90	20	40	43	50	90	52.5	42.5	10	32	M8X1.0	Fig1
HS20-120	20	40	43	50	120	52.5	42.5	10	48	M8X1.0	Fig1
HS20-140	20	40	43	50	140	52.5	42.5	10	48	M8X1.0	Fig1
HS25-105	25	53	57	-	105	61	51	10	67	M16X1.0	Fig2
HS25-150	25	53	57	-	150	61	51	10	112	M16X1.0	Fig2
HS32-115	32	58	63	-	115	65	55	10	77	M16X1.0	Fig2
HS32-150	32	58	63	-	150	65	55	10	112	M16X1.0	Fig2

特點/Feature

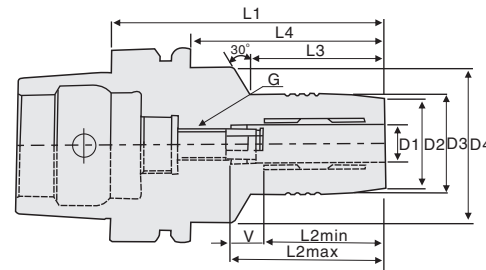
1. 夾持力強，精度高，適合高速加工。
 2. 使用T型扳手，裝卸簡單，便于操作和維護
 3. 柄徑為 $\phi 6-\phi 32$ 的切削刀具要求柄部公差為h6。
 4. 預設動平衡G2.5 25000RPM
- 1.High clamping force for high speed machining, run-out accuracy <0.003mm
2.Clamping by T-Wrench, easy to handle, less maintenance
3.Cutting tool shank tolerance should be within h6
4.Pre-balanced to G2.5 25000RPM



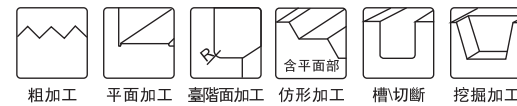
HSK40A/50A/63A/100A-HS HYDRAULIC CHUCK
HSK40A/50A/63A/100A-HS 液壓刀柄

型號 Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	L4	G	Type
HS6-70	6	25	28	34	70	37.5	27.5	10	28	50	M5X0.8	Fig1
HS8-70	8	27	30	34	70	37.5	27.5	10	28	50	M5X0.8	Fig1
HS10-75	10	29	32	34	75	42.5	32.5	10	34	55	M5X0.8	Fig1
HS12-85	12	31	34	34	85	47.5	37.5	10	-	65	M6X1.0	Fig1
HS6-70	6	25	28	40	70	37.5	27.5	10	28	44	M5X0.8	Fig1
HS8-70	8	27	30	40	70	37.5	27.5	10	28	44	M6X1.0	Fig1
HS10-80	10	29	32	40	80	42.5	32.5	10	34	54	M6X1.0	Fig1
HS12-85	12	31	34	40	85	47.5	37.5	10	44	59	M6X1.0	Fig1
HS14-85	14	33	36	40	85	47.5	37.5	10	44	59	M6X1.0	Fig1
HS16-90	16	35	38	60	90	52.5	42.5	10	30	64	M6X1.0	Fig2
HS18-90	18	38	41	-	90	52.5	42.5	10	-	64	M6X1.0	Fig1
HS20-90	20	40	43	-	90	52.5	42.5	10	-	64	M6X1.0	Fig1
HS6-70	6	25	28	50	70	37.5	27.5	10	24	44	M5X0.8	Fig1
HS8-70	8	27	30	50	70	37.5	27.5	10	24	44	M6X1.0	Fig1
HS10-80	10	29	32	50	80	42.5	32.5	10	35	54	M6X1.0	Fig1
HS12-85	12	31	34	50	85	47.5	37.5	10	40	59	M6X1.0	Fig1
HS14-85	14	33	36	50	85	47.5	37.5	10	40	59	M6X1.0	Fig1
HS16-90	16	35	38	50	90	52.5	42.5	10	46	64	M8X1.0	Fig1
HS18-90	18	38	41	50	90	52.5	42.5	10	47	64	M8X1.0	Fig1
HS20-90	20	40	43	50	90	52.5	42.5	10	48	64	M8X1.0	Fig1
HS25-120	25	40	43	63	120	61	51	10	59	94	M16X1.0	Fig2
HS32-125	32	53	57	75	125	65	55	10	63	99	M16X1.0	Fig2
HS6-75	6	25	28	54	75	37.5	27.5	10	26	46	M5X0.8	Fig1
HS8-75	8	27	30	54	75	37.5	27.5	10	26	46	M6X1.0	Fig1
HS10-90	10	29	32	50	90	42.5	32.5	10	42	61	M6X1.0	Fig1
HS12-95	12	31	34	50	95	47.5	37.5	10	47	66	M6X1.0	Fig1
HS14-95	14	33	36	50	95	47.5	37.5	10	47	66	M6X1.0	Fig1
HS16-100	16	35	38	50	100	52.5	42.5	10	53	71	M8X1.0	Fig1
HS18-100	18	38	41	50	100	52.5	42.5	10	53	71	M8X1.0	Fig1
HS20-105	20	40	43	50	105	52.5	42.5	10	59	76	M8X1.0	Fig1
HS25-110	25	40	43	63	110	61	51	10	62	81	M8X1.0	Fig1
HS32-110	32	53	57	75	110	65	55	10	62	81	M8X1.0	Fig1

NEW



HSK40E/50E-HM HYDRAULIC CHUCK
HSK40E/50E-HS 液壓刀柄

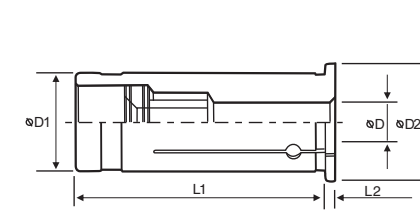


	型號											
	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	L4	G
HSK 40E	HS6-75	6	25	28	34	75	37.5	27.5	10	28	55	M5X0.8
	HS8-70	8	27	30	34	70	37.5	27.5	10	28	50	M5X0.8
	HS10-75	10	29	32	34	75	42.5	32.5	10	34	55	M5X0.8
	HS12-85	12	31	34	34	85	47.5	37.5	10	-	65	M5X0.8
HSK 50E	HS6-70	6	25	28	40	70	37.5	27.5	10	28	44	M5X0.8
	HS8-70	8	27	30	40	70	37.5	27.5	10	28	44	M6X1.0
	HS10-80	10	29	32	40	80	42.5	32.5	10	34	54	M6X1.0
	HS12-85	12	31	34	40	85	47.5	37.5	10	44	59	M6X1.0
	HS16-90	16	35	38	60	90	52.5	42.5	10	30	64	M6X1.0
	HS20-90	20	40	43	-	90	52.5	42.5	10	-	64	M6X1.0

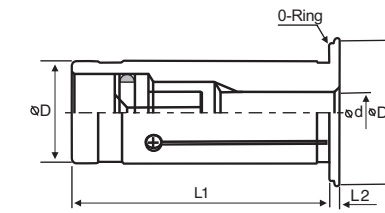
特點/Feature

- 夾持力強，精度高，適合高速加工
 - 使用T型扳手，裝卸簡單，便于操作和維護
 - 柄徑為 $\phi 6$ - $\phi 32$ 的切削刀具要求柄部公差為h6
 - 預設動平衡G2.5 25000RPM
- High clamping force, high accuracy, suitable for high speed machining, run-out accuracy <0.003mm
 - Clamping by T-Wrench, easy to handle, less maintenance
 - Cutting tool shank tolerance should be within h6
 - Pre-balanced to G2.5 25000RPM

NEW



液壓筒夾



液壓止水筒夾

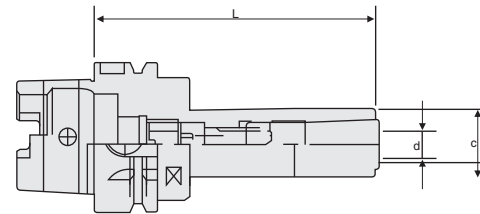
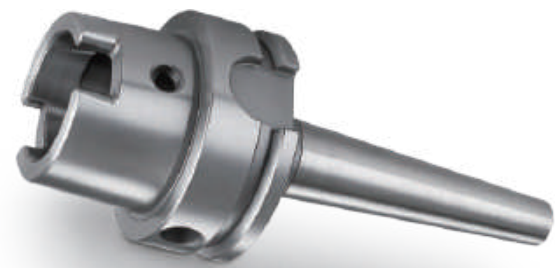


Collet
液壓筒夾

	型號					
	Specification	d	D1	D2	L1	L2
HSC12	3	3	12	16	44.5	2
	4	4	12	16	44.5	2
	5	5	12	16	44.5	2
	6	6	12	16	44.5	2
HSC20	8	8	20	16	44.5	2
	3	3	20	24	50.5	2
	4	4	20	24	50.5	2
	5	5	20	24	50.5	2
	6	6	20	24	50.5	2
	8	8	20	24	50.5	2
	10	10	20	24	50.5	2
	12	12	20	24	50.5	2
HSC32	14	14	20	24	50.5	2
	16	16	20	24	50.5	2
	6	6	32	36	60.5	3
	8	8	32	36	60.5	3
	10	10	32	36	60.5	3
	12	12	32	36	60.5	3
	14	14	32	36	60.5	3
	16	16	32	36	60.5	3

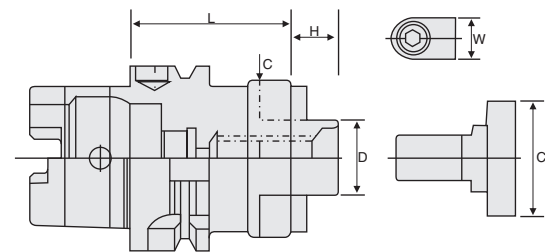
Sealed Collet
液壓止水筒夾

	型號					
	Specification	d	D1	D2	L1	L2
HSC12	3	3	12	21	45	2
	4	4	12	21	45	2
	5	5	12	21	45	2
	6	6	12	21	45	2
HSC20	8	8	12	21	45	2
	3	3	20	29	50.5	2
	4	4	20	29	50.5	2
	5	5	20	29	50.5	2
	6	6	20	29	50.5	2
	8	8	20	29	50.5	2
	10	10	20	29	50.5	2
	12	12	20	29	50.5	2
HSC32	14	14	20	29	50.5	2
	16	16	20	29	50.5	2
	6	6	32	39	60.5	3
	8	8	32	39	60.5	3
	10	10	32	39	60.5	3
	12	12	32	39	60.5	3
	14	14	32	39	60.5	3
	16	16	32	39	60.5	3



HSK-SDC HIGH PRECISION TOOL HOLDER
HSK-SDC 後拉式刀柄

	型號 Specification	D	L	C	重量 Weight(KG)
HSK 50A	-SDC6-100	3.0-6.0	100	14.5	0.8
	-SDC6-150	3.0-6.0	150	14.5	1.0
	-SDC8-100	3.0-10.0	100	22	1.0
	-SDC8-150	3.0-10.0	150	22	1.2
	-SDC12-100	3.0-12.0	100	34	1.0
	-SDC12-150	3.0-12.0	150	34	1.2
HSK 63A	-SDC6-100	3.0-6.0	100	14.5	0.9
	-SDC6-150	3.0-6.0	150	14.5	1.2
	-SDC8-100	3.0-10.0	100	22	1.0
	-SDC8-150	3.0-10.0	150	22	1.3
	-SDC12-100	3.0-12.0	100	34	1.2
	-SDC12-150	3.0-12.0	150	34	1.6

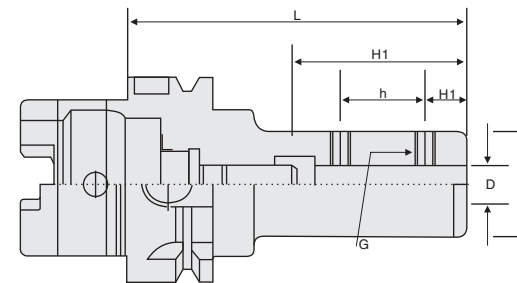


HSK-FMB FACE MILLING ARBOR
HSK-FMB 面銑刀柄

	型號 Specification	D	L	H	C	C1	W	鍵塊 Drive key	鎖緊螺栓 Lock bolt
HSK 50A	-FMB27-55	27	55	20	60	33	9.5	FW5	FM12
	-FMB22-60	22	60	18	45				
HSK 63A	-FMB27-65	27	65	20	60	33	9.5	FW5	FM12
	-FMB32-75	32	75	22	85	40	12.7	FW13	FM16
HSK 100A	-FMB22-60	22	60	18	45				
	-FMB27-65	27	65	20	60	33	9.5	FW5	FM12
	-FMB32-75	32	75	22	85	40	12.7	FW13	FM16
	-FMB40-75	40	75	34	80	50	15.9	FW19	FM20
	-FMB60-75	60	75	36	100	65	19	FW24	FM24

特點/Feature

- 1、刀柄精度高。 2、穩定的震動精度，提高精加工表面精度。
- 1、High precision. 2、Stable run-out accuracy to enhance fine machining surface roughness.



HSK-SLA WELDON TOOL HOLDER
HSK-SLA 側固刀柄

	型號 Specification	D	L	C	h	H	H1	G
HSK 63A	-SLA6-80	6	80	25		18	25	M6
	-SLA8-80	8	80	28		18	30	M8
	-SLA10-80	10	80	35		20	42	M10
	-SLA12-80	12	80	42		22.5	46	M12
	-SLA16-80	16	80	48		24	52	M14
	-SLA20-80	20	80	52		25	52	M16
	-SLA25-115	25	115	65	25	24	70	M18
	-SLA32-120	32	120	72	28	24	75	M20

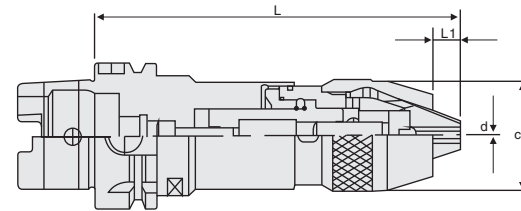
特點/Feature

- 1、刀柄精度高。
- 2、穩定的震動精度，提高精加工表面精度。
- 1、High precision.
- 2、Stable run-out accuracy to enhance fine machining surface roughness.



HSK-APU DRILL CHUCK HOLDER

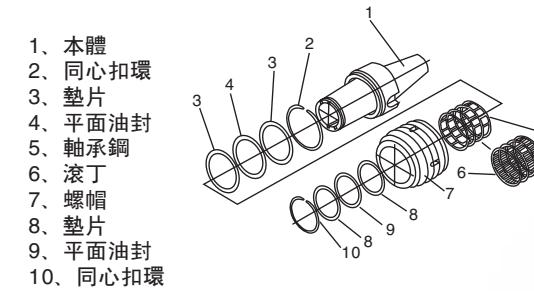
HSK-APU 鑽夾頭刀柄



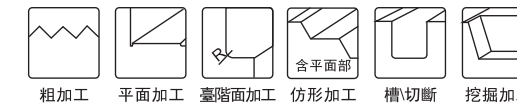
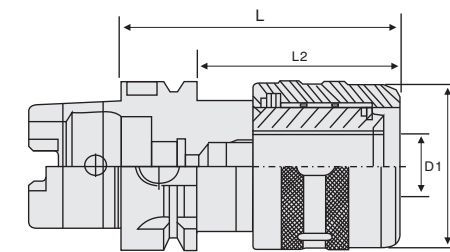
	型號	D	L		夾持範圍
	Specification		min	max	
HSK 50A	-APU8-118	36.5	118	125	0.3~8
	-APU13-135	48	135	147	1.0~13
HSK 63A	-APU8-118	36.5	120	127	0.3~8
	-APU13-135	48	135	147	1.0~13
HSK 100A	-APU8-130	36.5	130	137	0.3~8
	-APU13-145	48	145	157	1.0~13

特點/Feature

- 1、連接柄和夾頭整體的設計，防止兩個刀體意外分離，加工穩定可靠。
- 2、夾頭自緊，加緊鑽頭后隨鑽孔扭矩的增加同步增強夾持力，防止鑽頭打滑。
- 3、夾持力強，高精度，持久耐用。4、適用各類鑽床，銑床和車床。
- 1、Integrated design of holder and chuck prevents separation of the tool components, ensure reliable and stable machining.
- 2、Self tightening, gripping force is enhanced when the drilling torque increase, which can avoid slipping of the drills.
- 3、Super drill chuck with high precision and durability.
- 4、Wide application in drilling machine, milling machines and lathe.



- 1、本體
- 2、同心扣環
- 3、墊片
- 4、平面油封
- 5、軸承鋼
- 6、滾丁
- 7、螺帽
- 8、墊片
- 9、平面油封
- 10、同心扣環



POWER CHUCK TOOL HOLDER

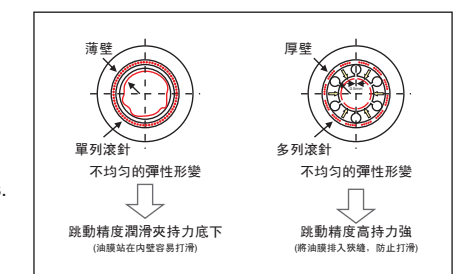
HSK(A)-C 強力型刀柄

	型號	D1	C	L1	L	筒夾
	Specification					
HSK 40A	-C20-110	20	53	66.5	55	C20
HSK 50A	-C20-110	20	53	66.5	60	C20
	-C25-110	25	74	74.5	44	C25
HSK 63A	-C20-110	20	53	66.5	49	C20
	-C25-110	25	60	85	59	C25
	-C32-105	32	74	90	64	C32
	-C32-130	32	74	70	44	C32
HSK 100A	-C20-110	20	53	75	49	C20
	-C25-110	25	60	85	59	C25
	-C32-130	32	74	90	64	C32

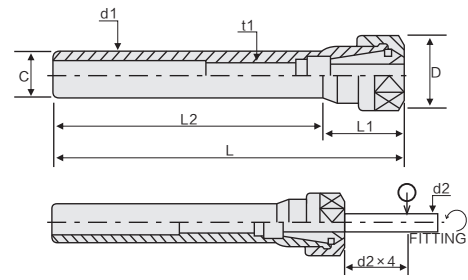
特點/Feature

- 1、刀柄內孔分割6槽以防止滑動，加大夾持力。
- 2、採用兩纜裝置，當刀具滑動至針錐面時滾動摩擦避免脫落。
- 3、夾持部加厚設計，提高剛性，防止震動。
- 4、夾持力強，跳動精度高。
- 1、6 slots design inside the holder to avoid slipping, enhancing clamping force.
- 2、Frictional gripping force increased by the clamping design, when the cutting tools slip to the cone face.
- 3、Reinforced thickness of the chuck holder improve the rigidity and anti-vibrations.
- 4、High clamping force and run-out accuracy.

支持高精度的加厚設計及獨特的夾縫結構



夾頭的加厚設計，可以增加剛性，以承受立銑刀的重切削。而採用獨特的夾縫結構可以使夾持部分均與變形，以獲得強大的夾持力及穩定的跳動精度。



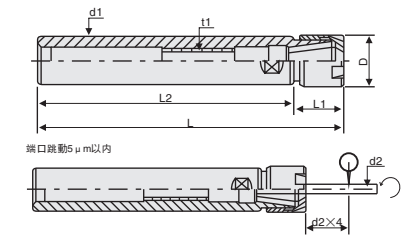
ER EXTENSION HOLDER

ER 延長杆

	型號	夾持範圍	D	C	L1	L	螺帽 Nut	筒夾 Collet	扳手 Spanner
	Specification	Clamping range							
C12	-ER11-50	2.0~7	19	12	24.0	50	ER11A	ER11	0.55
	-ER11-100				24.0	100			
C16	-ER11-50	2.0~7	19	16	16.6	50	ER11A	ER11	0.55
	-ER11-100				16.6	100			
C16	-ER11-150	2.0~7	19	16	16.6	150	ER11A	ER11	0.55
	-ER16-100				16.6	100			
C20	-ER16-150	3.0~10	28	16	35.0	150	ER16A	ER16	1.85
	-ER16-200				35.0	200			
C20	-ER20-100	3.0~13	34	16	40.0	100	ER20A	ER20	1.2
	-ER20-150				40.0	150			
C20	-ER11-100	2.0~7	19	20	16.6	100	ER11A	ER11	1.6
	-ER11-150				16.6	150			
C25	-ER16-100	3.0~10	28	20	35.0	100	ER16A	ER16	1.65
	-ER16-150				35.0	150			
C25	-ER16-200	3.0~10	28	20	35.0	200	ER16A	ER16	1.65
	-ER20-100				40.0	100			
C25	-ER20-150	3.0~13	34	20	40.0	150	ER20A	ER20	3.15
	-ER20-200				40.0	200			
C25	-ER25-100	3.0~16	42	20	47.0	100	ER25UM	ER25	3.9
	-ER25-150				47.0	150			
C25	-ER16-100	3.0~10	28	25	35.0	100	ER16A	ER16	3.9
	-ER16-150				35.0	150			
C25	-ER16-200	3.0~10	28	25	40.0	200	ER16A	ER16	3.9
	-ER20-100				40.0	100			
C25	-ER20-150	3.0~13	34	25	40.0	150	ER20A	ER20	1.65
	-ER20-200				40.0	200			
C25	-ER25-100	3.0~16	42	25	47.0	100	ER25UM	ER25	3.15
	-ER25-150				47.0	150			
C25	-ER25-200	3.0~16	42	25	47.0	200	ER25UM	ER25	3.15
	-ER32-100				50.0	100			
C32	-ER32-150	3.0~20	50	25	50.0	150	ER32UM	ER32	1.65
	-ER32-200				50.0	200			
C32	-ER20-150	3.0~13	34	32	40.0	150	ER20A	ER20	3.15
	-ER20-200				40.0	200			
C32	-ER25-150	3.0~16	42	32	47.0	150	ER25UM	ER25	4.0
	-ER25-200				47.0	200			
C32	-ER32-150	3.0~20	50	32	50.0	150	ER32UM	ER32	2.95
	-ER32-200				50.0	200			

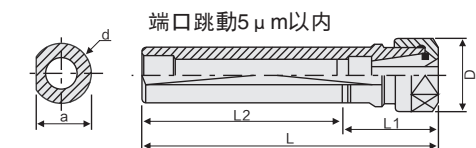
特點/Feature

1. 本體精度高。2. 同心度高，穩定的震動精度，提高精加工表面精度。3. 表面光潔舒適，耐磨。
1. Tool body is high precision. 2. High concentricity, stable run-out accuracy to enhance fine machining surface roughness. 3. Finish surface with long durability.



ER EXTENSION HOLDER
ER 延長杆 (M/UM型)

	型號	尺寸 Size				夾持範圍 Clamping range	
	Specification	L	L2	L1	D		
C10	-ER8-100M	115.5	100	15.5	12	10	0.5~5.0
	-ER8-150M	165.5	150				
C12	-ER11-100M	124	100	24	16	12	1.0~7.0
	-ER11-150	174	150				
C16	-ER16-100M	135	100	35	22	16	1.0~10.0
	-ER16-150M	185	150				
C16	-ER16-200M	235	200	35	22	16	1.0~10.0
	-ER16-100M	135	100				
C20	-ER16-150M	185	150	40	28	20	1.0~13.0
	-ER16-200M	235	200				
C20	-ER20-100M	140	100	40	28	20	1.0~13.0
	-ER20-150M	190	150				
C25	-ER25-100UM	145	100	45	42	25	2.0~16.0
	-ER25-150UM	295	150				
C32	-ER25-100UM	145	100	50	50	32	3.0~20.0
	-ER32-150UM	195	150				
C32	-ER32-100UM	150	100	50	50	32	3.0~20.0
	-ER32-200UM	250	200				

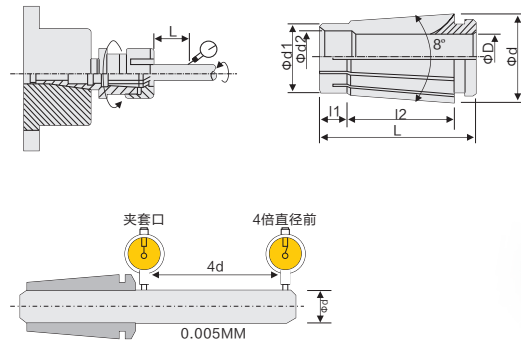


ER EXTENSION HOLDER
ER 延長杆 (A型·車床用)

	型號	尺寸 Size				D	d
	Specification	L	L2	L1	a		
B	-ER16-70A/100A	100/130	70/130	30	19	28	20
	-ER20-70A/100A	100/130	70/130	30	19	34	20
B	-ER20-70A/100A	100/130	70/130	30	24	28	25
	-ER11-70A/100A	100/130	70/130	30	19	19	20
B	-ER11-70A/100A	100/130	70/130	30	29	19	25
	-ER16-70M/100M	100/130	70/130	30	19	22	20
B	-ER20-70M/100M	100/130	70/130	30	19	28	20
	-ER20-70M/100M	100/130	70/130	30	24	28	25

特點/Feature

1. 本體精度高。2. 同心度高，穩定的震動精度，提高精加工表面精度。3. 表面光潔舒適，耐磨。
1. Tool body is high precision. 2. High concentricity, stable run-out accuracy to enhance fine machining surface roughness. 3. Finish surface with long durability.



SK HIGH PRECISION COLLET
SK筒夾

型號 Specification	夾持範圍 Clamping range	
	SK6	-1
	-2	1.8~2.0
	-3	2.8~3.0
	-4	3.5~4.0
	-5	4.5~5.0
	-6	5.5~6.0
SK10	-2	1.75~2.0
	-2.5	2.25~2.5
	-3	2.75~3.0
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5
SK13	-2	1.75~2.0
	-2.5	2.25~2.5
	-3	2.75~3.0
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5

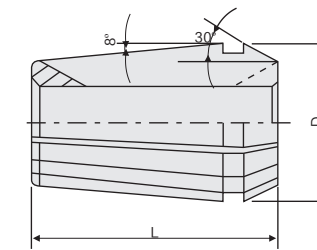
型號 Specification	夾持範圍 Clamping range	
	SK16	-3
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5
	-7	6.5~7.0
	-7.5	7.0~7.5
	-8	7.5~8.0
	-8.5	8.0~8.5
	-9	8.5~9.0
	-9.5	9.0~9.5
	-10	9.5~10.0
	-10.5	10.0~10.5
	-11	10.5~11.0
	-11.5	11.0~11.5
	-12	11.5~12.0
	-12.5	12.0~12.5
	-13	12.5~13.0
	-13.5	13.0~13.5
	-14	13.5~14.0
	-14.5	14.0~14.5
	-15	14.5~15.0
	-15.5	15.0~15.5
	-16	15.5~16.0

型號 Specification	夾持範圍 Clamping range	
	SK20	-3
	-4	3.5~4.0
	-5	4.5~5.0
	-6	5.5~6.0
	-7	6.5~7.0
	-8	7.5~8.0
	-9	8.5~9.0
	-10	9.5~10.0
	-11	10.5~11.0
	-12	11.5~12.0
	-13	12.5~13.0
	-14	13.5~14.0
	-15	14.5~15.0
	-16	15.5~16.0
	-18	17.5~18.0
	-19	18.5~19.0
	-20	19.5~20.0

型號 Specification	d	d1	L	L1	L2
SK6	10.4	7.5	25	3.8	17.4
SK10	15.5	12	30.5	5.0	21.3
SK16	24.6	18.8	45	8.0	32
SK20	29	22.5	54	8.0	46

特點/Feature

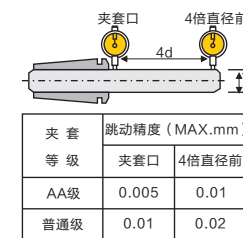
- 高精度，夾持力強。
- 穩定的震動精度，提高精加工表面精度。
- 表面光潔舒適，耐磨。



型號 Specification	D	L	RANGE
ER8	8.5	13.5	0.5
ER11	11.5	18	0.5
ER16	17	27.5	1.0
ER20	21	31.5	1.0
ER25	26	34	1.0
ER32	33	40	1.0
ER40	41	46	1.0

ER HIGH PRECISION COLLET

ER 彈性筒夾



型號 Specification	夾持範圍 Clamping range	
	ER8	0.5
	1.0	0.5~1.0
	1.5	1.0~1.5
	2.0	1.5~2.0
	2.5	2.0~2.5
	3.0	2.5~3.0
	3.5	3.0~3.5
	4.0	3.5~4.0
	4.5	4.0~4.5
	5.0	4.5~5.0

型號 Specification	夾持範圍 Clamping range	
	ER11	1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0

型號 Specification	夾持範圍 Clamping range	
	ER16	1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0

型號 Specification	夾持範圍 Clamping range	
	ER20	1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0

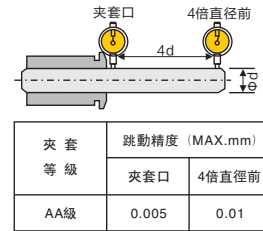
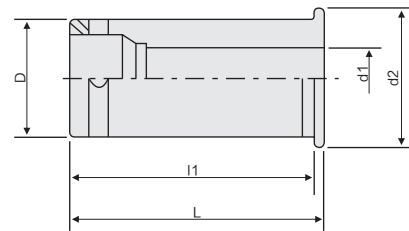
型號 Specification	夾持範圍 Clamping range	
	ER25	2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0

型號 Specification	夾持範圍 Clamping range	
	ER32	2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0
	17.0	16.0~17.0
	18.0	17.0~18.0
	19.0	18.0~19.0
	20.0	19.0~20.0

型號 Specification	夾持範圍 Clamping range	
	ER40	2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0
	17.0	16.0~17.0
	18.0	17.0~18.0
	19.0	18.0~19.0
	20.0	19.0~20.0
	21.0	20.0~21.0
	22.0	21.0~22.0
	23.0	22.0~23.0
	24.0	23.0~24.0
	25.0	24.0~25.0
	26.0	25.0~26.0

特點/Feature

- 高精度，夾持力強。
- 穩定的震動精度，提高精加工表面精度。
- 表面光潔舒適，耐磨。



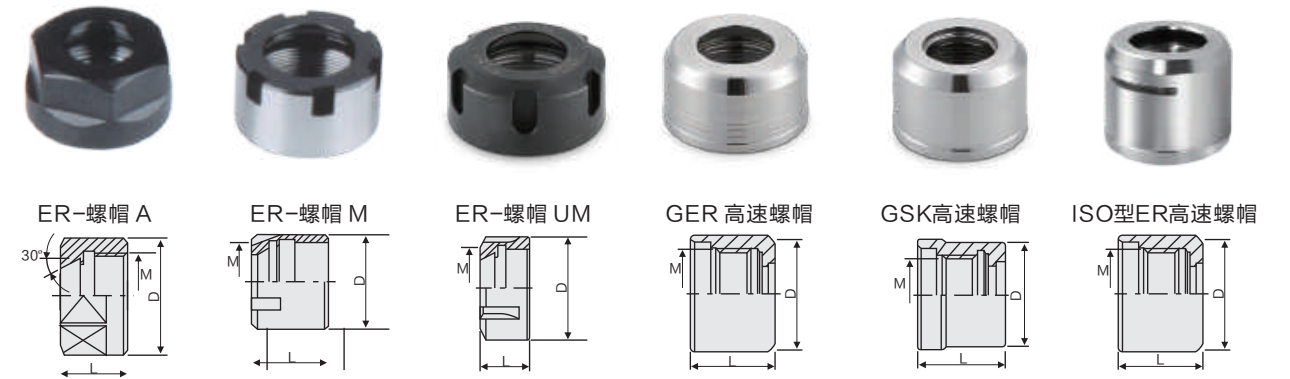
夾套等級	跳動精度 (MAX.mm)	
	夾套口	4倍直徑前
AA級	0.005	0.01

C POWER CHUCK COLLET
強力筒夾

	型號 Specification	尺寸 Size			
		D	d2	L	L1
C20	3,4,5,6,8,10,12,16	20	25	52.5	49
C25	6,8,10,12,16,20	25	30	59	56
C32	6,8,10,12,16,20,25,15,19,24	32	37.5	65	67.4
	1/4,5/16,3/8,1/2,3/4,5/8,1"	32	37.5	65	67.4
C42	6,8,10,12,16,20,25,32,15,19,24	42	47	80	76
	1/4,5/16,3/8,1/2,5/8,3/4,1"	42	47	80	76

特點/Feature

1. 高精度，夾持力強。
 2. 穩定的震動精度，提高精加工表面精度。
 3. 表面光潔舒適，耐磨。
1. High precision with powerful clamping force.
 2. Stable run-out accuracy to enhance fine machining surface roughness.
 3. Finish surface with long durability.



HIGH PRECISION CLAMPING NUT

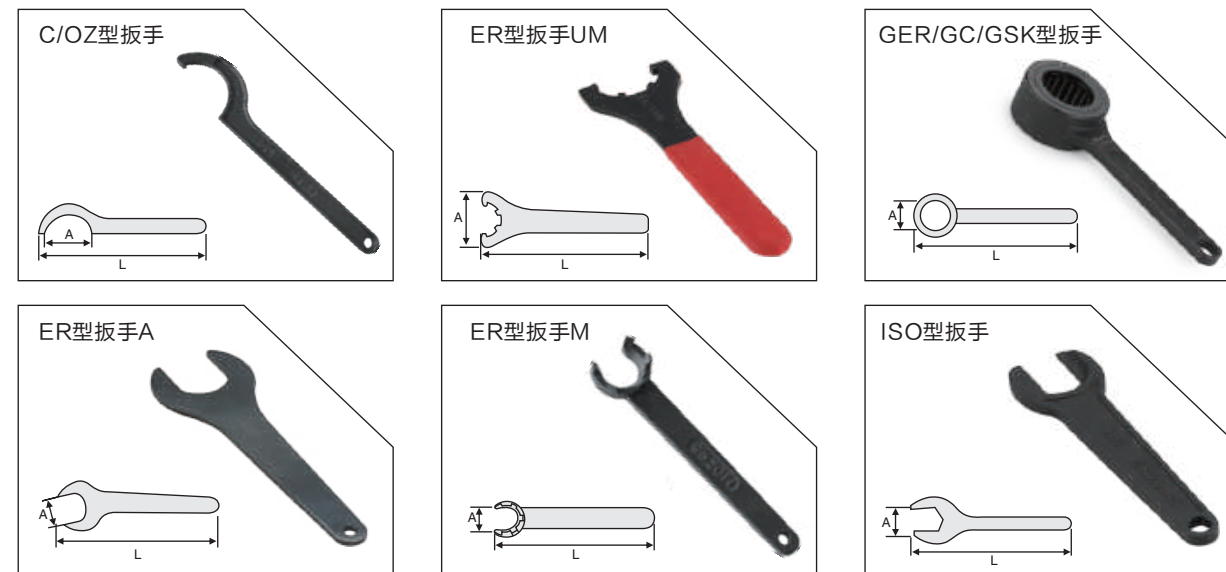
精密螺帽

	型號 Specification	D	L	M	鎖緊扳手
ER-A	ER11A	19	11.5	M14X0.75	ER11A
	ER16A	28	17	M22X1.5	ER16A
	ER20A	34	19.0	M25X1.5	ER20A
ER-M	ER8M	12	10.8	M10X0.75	ER8M
	ER11M	16	12.0	M13X0.75	ER11M
	HER16M	22	18	M19X1.0	ER16M
ER-UM	ER20M	28	19.0	M24X1.0	ER20M
	ER25M	35	20.0	M32X1.0	ER25M
	HER25UM	42	20.0	M32X1.5	ER25U M
	HER32UM	50	23	M40X1.5	ER32UM
	ER40UM	63	26	M50X1.5	ER40UM
	型號 Specification	D	L	M	鎖緊扳手
GER	GER16	27	24.7	TM22X1.5	GER16
	GER20	35	25.5	TM26X1.5	GER20
	GER25	40	25.9	TM32X1.5	GER25
	GER32	48	26.6	TM40X1.5	GER32
	型號 Specification	D	L	M	鎖緊扳手
ISO-ER	ER11MS	16	11.3	M13X0.75	ER11MS
	ER16MS	22	17	M19X1.0	ER16MS
	ER20MS	28	19	M24X1.0	ER20MS
	ER25MS	35	23	M30X1.0	ER25MS

特點/Feature

1. 熱處理有效提高精度及其夾持穩定性。
 2. 表面光潔度舒適，耐磨。
 3. 可以預設動平衡處理，提高精度。
1. Thermal treatment process improve the clamping precision and stability.
 2. Finish surface with long durability.
 3. Pre-balanced is G2.5 25000rpm for enhanced run-out accuracy.

FITTING 配件



扳手 SPANNER

	型號 Specification	A	L	重量 (KGS)
C	C20	50-55	245	0.17
	C25	56-61	270	0.2
	C32	68-73	290	0.3
OZ	C42	88-96	340	0.42
	OZ25	55-60	250	0.24
A	ER11A	17.2	120	0.10
	ER16A	25.2	140	0.15
	ER20A	30.3	160	0.19
	ER8M	12	75	0.05
M	ER11M	16	95	0.04
	ER16M	22	117	0.06
	ER20M	28	129	0.07
	ER25M	35	142	0.09
UM	ER25UM	42	210	0.15
	ER32UM	50	250	0.28
	ER40UM	64	290	0.42
GER	GER16,GER16MINI	30,27	150	0.24
	GER20,GER20MINI	35,30	160	0.30
	GER25,GER25MINI	40,35	180	0.35
	GER32	48	180	0.70
GSK	GSK6	19.5	110	0.11
	GSK10	27	150	0.29
	GSK16	40	170	0.39
	GSK20	48	210	0.38
ISO	ISO20	18.2	175	0.11
	ISO25	27	175	0.12
	ISO30	40	220	0.15

特點/Feature

- 熱處理有效提高精度及其夾持穩定性。
- 表面光潔度舒適，耐磨。

- Thermal treatment process improve the clamping precision and stability.
- Finish surface with long durability.



產品名稱 product name	編號 Item	規格 Spec	高度 Height
光電式Z軸設定器 Z-axis Electro-optical Zero Setter	ZOP-50	Electro-optical	50

產品名稱 product name	編號 Item	規格 Spec	高度 Height
量表式Z軸設定器 Z-axis Scale Zero Setter(magnetic)	ZDI-50	Scale with magnetic	50

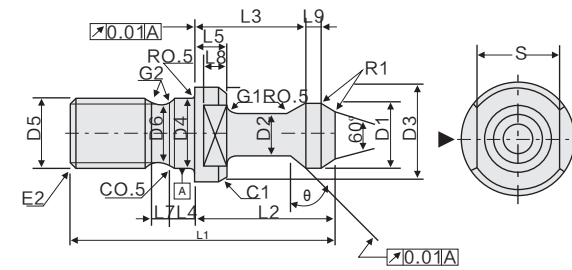
產品名稱 product name	編號 Item	長度 Length
主軸檢測棒 Spindle Test Bar	BT30 BT40 BT50	200L/250L 250L/300L/350L 315L/350/400L

產品名稱 product name	編號 Item	規格 Spec
三點組合模具 Modular Concentricity Test Gauge	BT30 BT40 BT50	MCT30 MCT40 MCT50

產品名稱 product name	編號 Item	柄徑 Shank Diameter	長度 Length	測頭 Gauge head
光電式尋邊器 Electro-optical Edge Finder	EOP-20	ø20	160	ø10

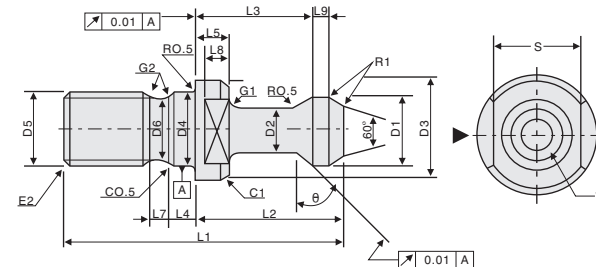
產品名稱 product name	編號 Item	柄徑 Shank Diameter	長度 Length	測頭 Gauge head
機械式尋邊器 Mechanical Edge Finder(Anti-Magnetic)	MOP-10	ø10	160	ø10

產品名稱 product name	編號 Item	柄徑 Shank Diameter	長度 Length	測頭 Gauge head
陶瓷尋邊器 Ceramic Edge Finder	COP-10	ø10	160	ø10



BT PULL STUD
BT 拉杆、拉頭

	型號		尺寸 Size																
	Specification		L1	D4	D5	D6	E2	G2	L4	L7	D3	G1	L5	S	D1	D2	L2	L3	L9
BT30	30	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	30
	45	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	45
	60	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	60
	90	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	90
BT40	30	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	30
	45	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	45
	60	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	60
	90	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	90
BT50	30	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	30
	45	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	45
	60	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	60
	90	71	25	M24	20	3	1.5	8	5	36	5	10	30	24	18	31	35	5	90
	90L	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	90



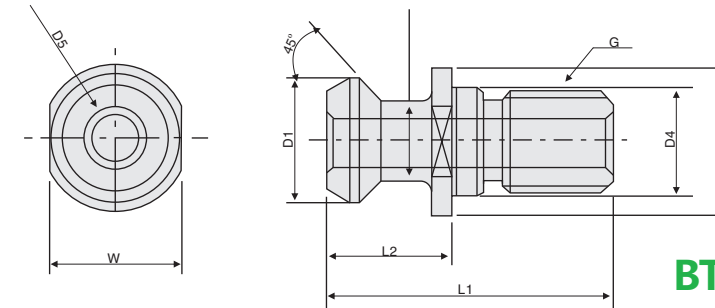
BT PULL STUD WITH COOLANT HOLE
BT 拉杆、拉頭中心出水

	型號		尺寸 Size																
	Specification		L1	D4	D5	D6	E2	G2	L4	L7	D3	G1	L5	S	D1	D2	L2	L3	L9
BT30	30 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	30
	45 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	45
	60 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	60
	90 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	90
BT40	30 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	30
	45 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	45
	60 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	60
	90 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	90
BT50	30 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	30
	45 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	45
	60 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	60
	90 COOLANT	71	25	M24	20	3	1.5	8	5	36	5	10	30	24	18	31	35	5	90
	90L COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	90

特點/Feature

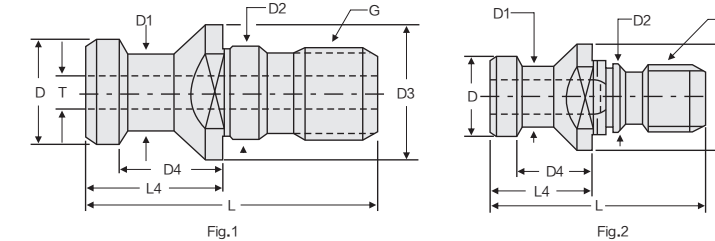
- 熱處理有效提高精度及其夾持穩定性。
- 表面光潔度舒適，耐磨。

- Thermal treatment process improve the clamping precision and stability.
- Finish surface with long durability.



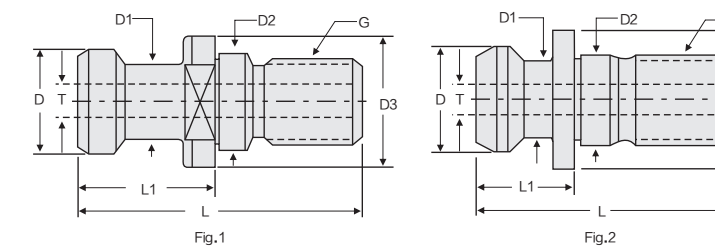
PULL STUD
BT40/BT50 MAZAK 拉杆、拉頭

	型號		尺寸 Size							
	Specification		L1	L2	D1	D2	D3	D4	D5	W
BT40 BT50	MAZAK	44.1	19.1	18.8	12.45	22	17	7	19	M16
	MAZAK	65.2	25.2	29	20.83	36	25	10	30	M24



PULL STUD
DIN69872A/B 拉杆、拉頭

	型號		圖示		尺寸 Size							
	Specification		Fig		L	L4	D	D1	D2	D3	D4	T
DIN69872A-P16D DIN69872A-P24D		A	A		54	26	19	14	17	23	20	7.5
		A	A		74	34	28	21	25	36	25	11.5
DIN69872B-P16D DIN69872B-P16D		B	B		57	26	19	14	17	23	20	-
		B	B		74	34	28	21	25	36	25	-



PULL STUD
DIN69872A/B 拉杆、拉頭

	型號		圖示		尺寸 Size						
	Specification		Fig		L	D	D1	D2	D3	T	G
ISO7388/2A-P16D ISO7388/2A-P24D		A	A		54	19	14	17	23	7.5	M16
		A	A		74	28	21	25	36	11.5	M24
ISO7388/2B-P16D ISO7388/2B-P16D		B	B		44.5	18.9	12.9	17	22.5	7.5	M16
		B	B		65.5	29.1	19.6	25	36	11.5	M24

特點/Feature

- 熱處理有效提高精度及其夾持穩定性。
- 表面光潔度舒適，耐磨。

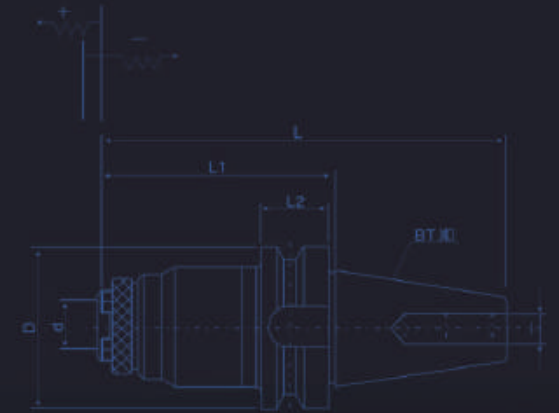
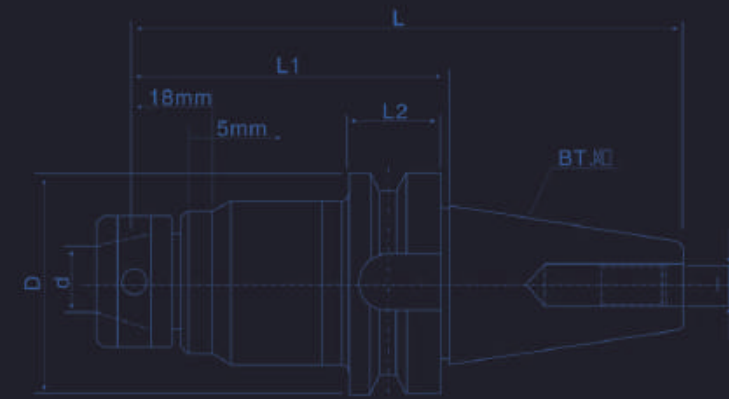
- Thermal treatment process improve the clamping precision and stability.
- Finish surface with long durability.

TAPPING TOOL HOLDER SERIES

铣削攻牙夹持具系列

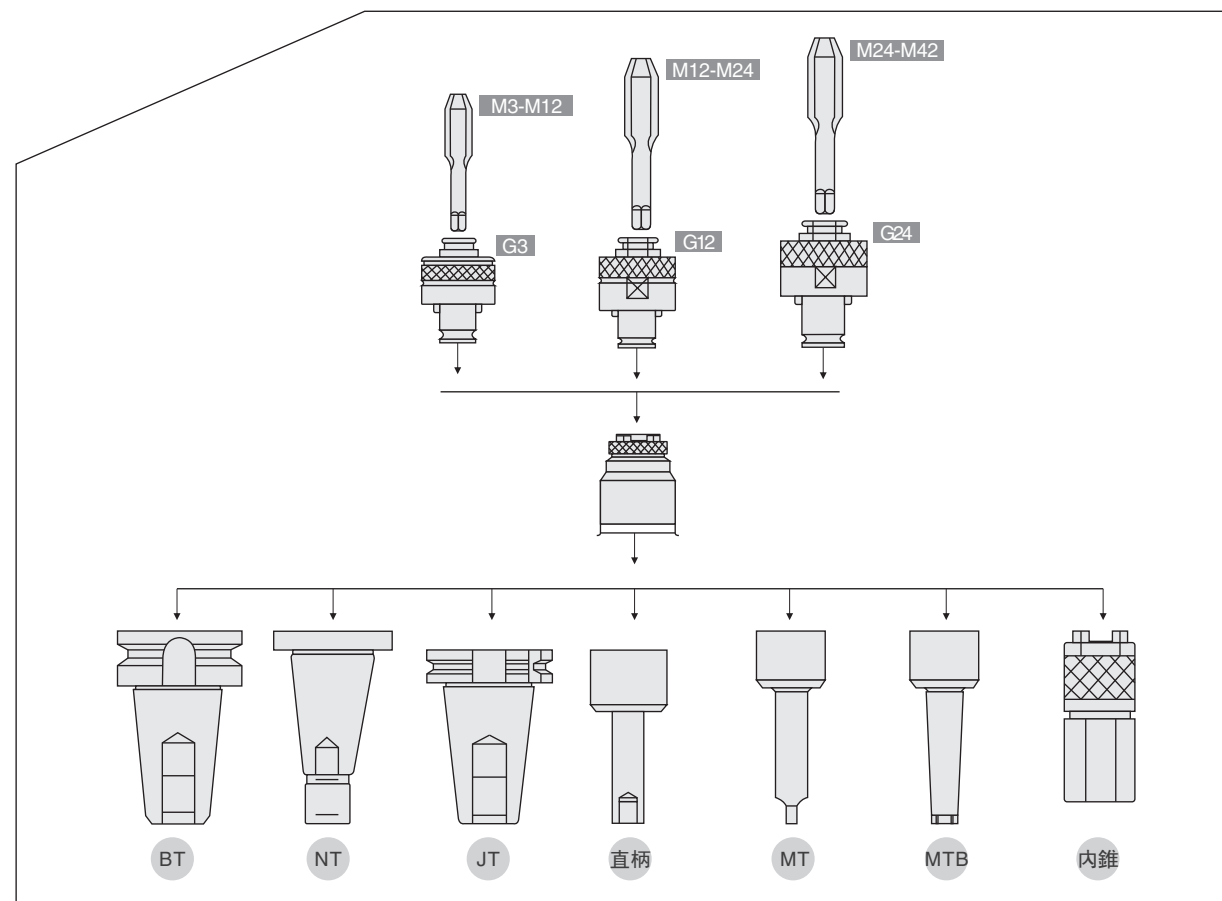
一點一滴精鑄 一絲一毫細礪

High Precision Casting



TAPPING TOOL HOLDER

攻牙本體系統



TAPPING TOOL HOLDER

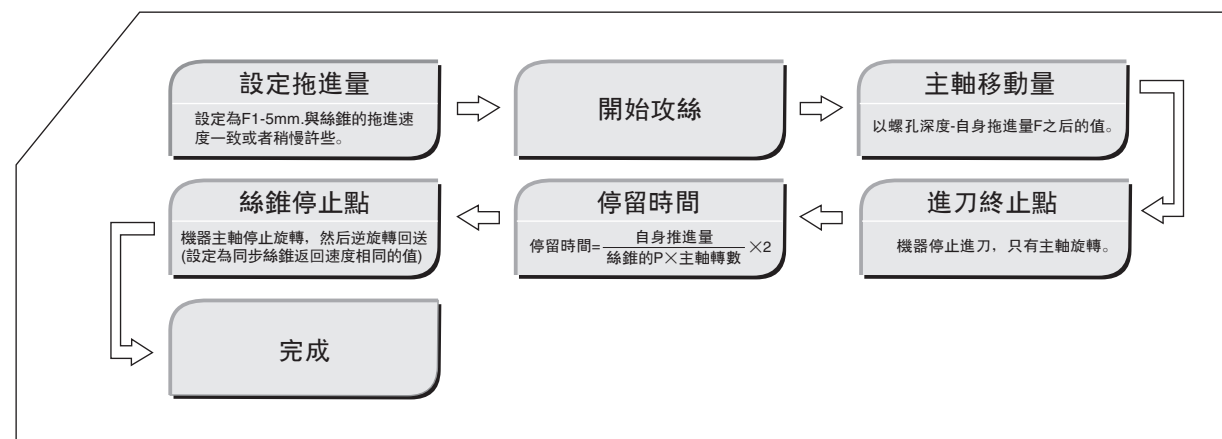
伸縮扭力攻絲刀柄

1. 攻絲刀柄伸縮機構
攻絲刀柄本身自己自帶伸縮的伸縮機構。這是防止變螺絲及絲錐的牙距與機械進給能圓滑的同步進行。必須在伸縮量的的範圍內使用。
①.伸長過量: 超過伸長界限時, 黑色標記會出來, 請加快機床進給量。
②.壓縮過量: 機床進給比絲錐進刀快, 壓縮機構動作, 請減少機床進給量, 不密着。
2. 底孔較小時(難削材等的加工時,底孔不夠的現象較多), 扭矩保護機構, 使絲錐空轉。這種情況下, 不要調整扭矩ZK攻絲套筒的場合, 請擴大底孔。
3. 盲孔攻絲時, 程序的Z軸指令偏深時, 主軸回轉停止時, 孔底在回轉力的作用下, 因碰到底部, 無法伸長。反轉時, 在出口時無法恢復的原長, 絲錐容易碰盲孔口部。這種情況下, 請加深下底孔或減淺指令值。
4. Z型攻絲刀柄的場合, 機器的固定進給, Z點反轉開始Z上升, 攻絲刀柄是在縮短的狀態Z軸上升, 孔口容易與絲錐碰到, 這種情況, Z點進入停頓, 攻絲刀柄在伸長的狀態下, 隨Z軸一起上升。
5. 攻絲刀柄和攻絲套筒的修理費, 人為損壞及保修期后, 修復及檢測均需收費(基本費用)。



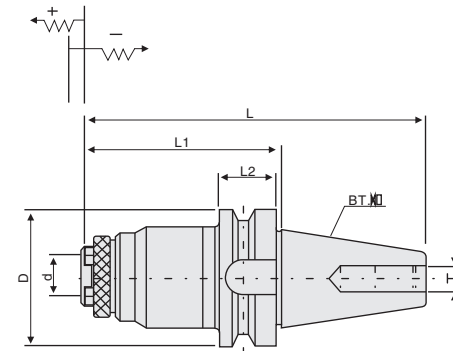
1 TENSION AND COMPRESSION TAPER HOLDER
Tension and compression function can prove screw and tap tooth space moving sleekly and synchronously with machine.It should be used in the scope of designed tension and compression.
①.Over tension
The black mark can be seen at this time.Please speed up the working speed of axis.
②.Over compression
Reduce the moving speed of axis.
2 In case of small hole in tapping model,torque protection function makes taps idling. Don't adjust the torque instead of large one.
3 When blind hole tapping, Z axis programmed with slant depth and under the gyroscopic force and touch the bottom part,in case of reduce programmed Z axis data instruction.
4.When Z system tapping chuck in use, in other case of orifice touched,please stop the Z point, tapping chuck run up with Zaxis in the state of elongation.
5 In case of artificial damage or after warranty period,The cost for evaluating and remanding should be charged.

限制螺孔深度設定方案及操作注意事項



常見直槽高速絲錐的切削扭矩參考值

絲錐尺寸	最小攻絲扭矩	最大攻絲扭矩	絲錐折斷扭矩	絲錐折斷扭矩	所需功率	攻絲夾頭的調整值	攻絲夾頭的調整值	攻絲夾頭的調整值
	N.m	N.m	(低強度)N.m	(高強度)N.m		N.m	N.m	N.m
M5	2.26	3.39	4.52	4.78	0.247	2.28	2.26	4.52
M6	3.39	4.78	5.65	11.3	0.373	4.52	3.39	6.78
M8	4.52	9.04	8.48	17	0.373	6.78	5.65	11.3
M10	11.3	22.6	20.3	28.3	0.56	14.7	12.4	24.9
M12	11.3	22.6	20.3	33.9	0.746	22.6	20.3	33.9
M14	22.6	67.8	56.5	90.4	0.93	39.5	39.5	73.4
M16	28.3	67.8	72.5	123	0.56	51	51	73.4
M20	56.5	113	113	170	1.3	73.4	73.4	107



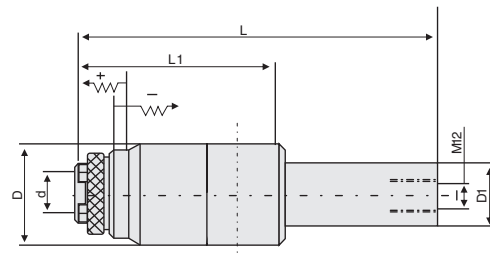
BT TENSION AND COMPRESSION TAPPING HOLDER

BT 扭力伸縮攻牙刀柄

	型號 Specification	攻牙範圍 Tapping range	D	d	L	L1	L2	T	筒夾 Collet
BT30	G0312	M3-M12	46	19	141	87.6	20	M12	G3
BT40	G0312	M3-M12	63	19	153	92.6	25	M16	G3
	G1224	M12-M24	63	30	200	134.6	25	M16	G12
BT50	G0312	M3-M12	100	19	199	97.2	35	M24	G3
	G1224	M12-M24	100	30	246	142.2	35	M24	G12
	G2442	M24-M42	100	45	276	174.2	35	M24	G24

特點/Feature

1. 具有扭矩過載保護，可以防止絲錐斷裂。
 2. 具有浮動和伸縮功能，快速更換刀具。
 3. 適合CNC 加工中心、數控銑床等機床設備。
 4. 攻絲範圍：M3-M42。
1. Overload protection to avoid breakage of taps.
 2. Floating chuck with tension and compression function, tools can be changed quickly.
 3. Suitable for CNC machine center, drilling machine, lathes.
 4. Tapping range: M3-M42.



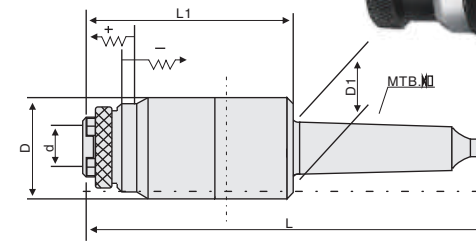
TENSION AND COMPRESSION TAPPING HOLDER WITH STRAIGHT SHANK

直柄扭力伸縮攻牙刀柄

	型號 Specification	攻牙範圍 Tapping range	D	d	L	L1	D1	筒夾 Collet
C20	50-G0312	M3-M12	46	19	149	89	20	G3
	100-G0312	M3-M12	46	19	189	89	20	G3
C25	50-G0312	M3-M12	46	19	149	89	25	G3
	100-G0312	M3-M12	46	19	189	89	25	G3
C32	100-G1224	M12-M24	66	30	220	120	25	G12
	100-G1224	M12-M24	66	30	220	120	32	G12

特點/Feature

1. 具有扭矩過載保護，可以防止絲錐斷裂。
 2. 具有浮動和伸縮功能，快速更換刀具。
 3. 適合各種夾頭加長和各種攻牙機床設備。
 4. 攻絲範圍：M3-M24。
1. Overload protection to avoid breakage of taps.
 2. Floating chuck with tension and compression function, tools can be changed quickly.
 3. Suitable for drilling machine, lathes, tapping machines.
 4. Tapping range: M3-M42.



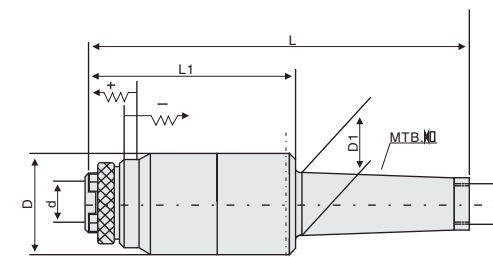
MTA MORSE FLOATING TAPPING HOLDER

MTA 莫氏扭力伸縮攻牙刀柄

	型號 Specification	攻牙範圍 Tapping range	D	d	d1	D1	L	L1	筒夾 Collet
MTA3	G0312	M3-M12	46	19	M12	23.825	176	89	G3
	G1224	M12-M24	66	30	M12	23.825	206	120	G12
MTA4	G0312	M3-M12	46	19	M16	31.267	199	89	G3
	G1224	M12-M24	66	30	M16	31.267	229	120	G12

特點/Feature

1. 具有扭矩過載保護，可以防止絲錐斷裂。
 2. 具有浮動和伸縮功能，快速更換刀具。
 3. 適合鑽床，攻牙機、車床、數控銑床等機床設備。
 4. 攻絲範圍：M3-M24。
1. Overload protection to avoid breakage of taps.
 2. Floating chuck with tension and compression function, tools can be changed quickly.
 3. Suitable for drilling machine, lathes, Milling machines.
 4. Tapping range: M3-M42.



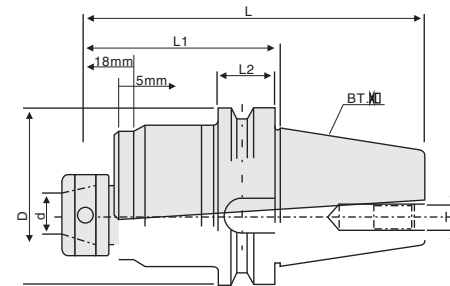
MTB MORSE TAPPING HOLDER

MTB 莫氏無扁尾扭力伸縮攻牙刀柄

	型號 Specification	攻牙範圍 Tapping range	D	d	d1	D1	L	L1	筒夾 Collet
MTB3	G0312	M3-M12	46	19	M12	23.825	176	89	G3
	G1224	M12-M24	66	30	M12	23.825	206	120	G12
MTB4	G0312	M3-M12	46	19	M16	31.267	199	89	G3
	G1224	M12-M24	66	30	M16	31.267	229	120	G12

特點/Feature

1. 具有扭矩過載保護，可以防止絲錐斷裂。
 2. 具有浮動和伸縮功能，快速更換刀具。
 3. 適合鑽床，攻牙機、車床、數控銑床等機床設備。
 4. 攻絲範圍：M3-M24。
1. Overload protection to avoid breakage of taps.
 2. Floating chuck with tension and compression function, tools can be changed quickly.
 3. Suitable for drilling machine, lathes, Milling machines.
 4. Tapping range: M3-M42.



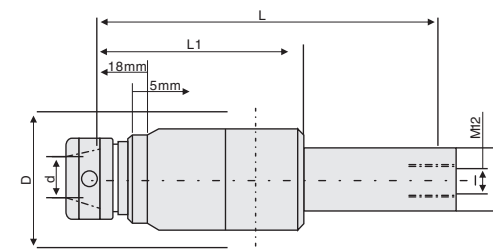
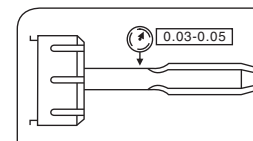
BT RIGID TAPPING TOOL HOLDER

BT 剛性伸縮攻牙刀柄

	型號	攻牙範圍	D	L	L1	L2	T	筒夾
	Specification	Tapping range						Collet
BT30	TER16	M2-M12	46	149	100.6	20	M12	ER16
	TER20	M2-M16	46	151	102.6	20	M12	ER20
	TER25	M2-M22	46	153	104.6	20	M12	ER25
	TER32	M2-M30	46	156	107.6	20	M12	ER32
BT40	TER16	M2-M12	63	161	95.6	25	M16	ER16
	TER20	M2-M16	63	163	97.6	25	M16	ER20
	TER25	M2-M22	63	165	99.6	25	M16	ER25
	TER32	M2-M30	63	168	102.6	25	M16	ER32
BT50	TER16	M2-M12	100	207	105.2	35	M24	ER16
	TER20	M2-M16	100	209	107.2	35	M24	ER20
	TER25	M2-M22	100	211	109.2	35	M24	ER25
	TER32	M2-M30	100	214	112.2	35	M24	ER32

特點/Feature

1. 剛性功能確保加工中心主軸轉動同進給精確同步。
2. 鋼性攻牙刀柄可使用ER筒夾，夾持鑽頭、鉸刀和銑刀等刀具。
3. 使用時螺帽請勿過度鎖緊，以免造成損壞。
1. The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2. ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3. Do not lock the clamping nut too tight in order to avoid damage.



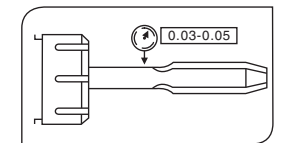
RIGID TAPPING TOOL HOLDER WITH STRAIGHT SHANK

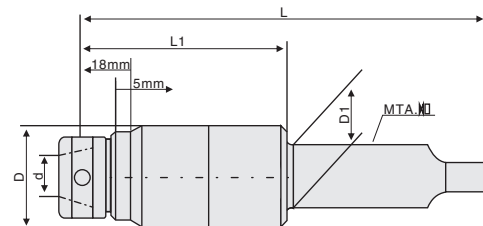
直柄剛性伸縮攻牙刀柄

	型號	攻牙範圍	D	L	L1	D1	筒夾
	Specification	Tapping range					Collet
C20	50/100-TER16	M2-M12	46	147/197	97	20	ER16
	50/100-TER20	M2-M16	46	149/199	99	20	ER20
	50/100-TER25	M2-M22	46	161/201	101	20	ER25
	50/100-TER32	M2-M30	46	164/204	104	20	ER32
C25	50/100-TER16	M2-M12	46	147/197	97	25	ER16
	50/100-TER20	M2-M16	46	149/199	99	25	ER20
	50/100-TER25	M2-M22	46	161/201	101	25	ER25
	50/100-TER32	M2-M30	46	164/204	104	25	ER32

特點/Feature

1. 剛性功能確保加工中心主軸轉動同進給精確同步。
2. 鋼性攻牙刀柄可使用ER筒夾，夾持鑽頭、鉸刀和銑刀等刀具。
3. 使用時螺帽請勿過度鎖緊，以免造成損壞。
1. The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2. ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3. Do not lock the clamping nut too tight in order to avoid damage.



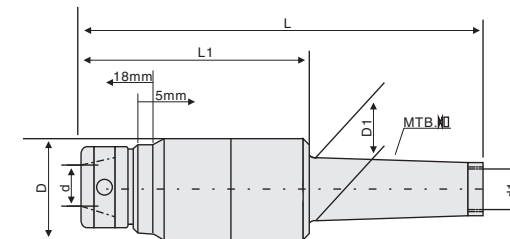
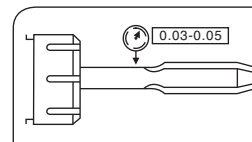


MTA MORSE RIGID TAPPING TOOL HOLDER
莫氏扁尾剛性伸縮攻牙刀柄

型號 Specification	攻牙範圍 Tapping range	D	L	L1	D1	筒夾 Collet	
MTA2	TER16	M2-M12	46	177	97	17.78	ER16
	TER20	M2-M16	50	198	99	23.825	ER20
	TER25	M2-M22	46	181	101	17.78	ER25
MTA3	TER16	M2-M12	50	196	97	23.825	ER16
	TER20	M2-M16	50	198	99	23.825	ER20
	TER25	M2-M22	50	200	101	23.825	ER25
MTA4	TER32	M2-M30	50	203	104	23.825	ER32
	TER16	M2-M12	66	221	97	31.267	ER16
	TER20	M2-M16	66	223	99	31.267	ER20
MTA5	TER25	M2-M22	66	225	101	31.267	ER25
	TER32	M2-M30	66	228	104	31.267	ER32
TER32	M2-M30	66	260	104	44.339	ER32	

特點/Feature

- 剛性功能確保加工中心主軸轉動同進給精確同步。
 - 鋼性攻牙刀柄可使用ER筒夾，夾持鑽頭、銼刀和銑刀等刀具。
 - 使用時螺帽請勿過度鎖緊，以免造成損壞。
- The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
 - ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
 - Do not lock the clamping nut too tight in order to avoid damage.

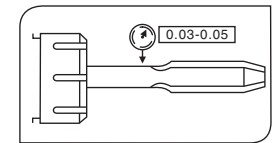


MTB MORSE RIGID TAPPING TOOL HOLDER
莫氏無扁尾剛性伸縮攻牙刀柄

型號 Specification	攻牙範圍 Tapping range	D	d1	D1	L	L1	筒夾 Collet	
MTB3	TER16	M2-M12	46	M12	23.825	176	89	ER16
	TER20	M2-M24	46	M12	23.825	206	120	ER20
	TER25	M2-M22	46	M12	23.825	176	89	ER25
MTB4	TER32	M2-M30	46	M12	23.825	206	120	ER32
	TER16	M2-M12	46	M16	31.267	199	89	ER16
	TER20	M2-M24	46	M16	31.267	229	120	ER20
MTB5	TER25	M2-M22	46	M16	31.267	199	89	ER25
	TER32	M2-M30	46	M16	31.267	229	120	ER32

特點/Feature

- 剛性功能確保加工中心主軸轉動同進給精確同步。
 - 鋼性攻牙刀柄可使用ER筒夾，夾持鑽頭、銼刀和銑刀等刀具。
 - 使用時螺帽請勿過度鎖緊，以免造成損壞。
- The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
 - ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
 - Do not lock the clamping nut too tight in order to avoid damage.



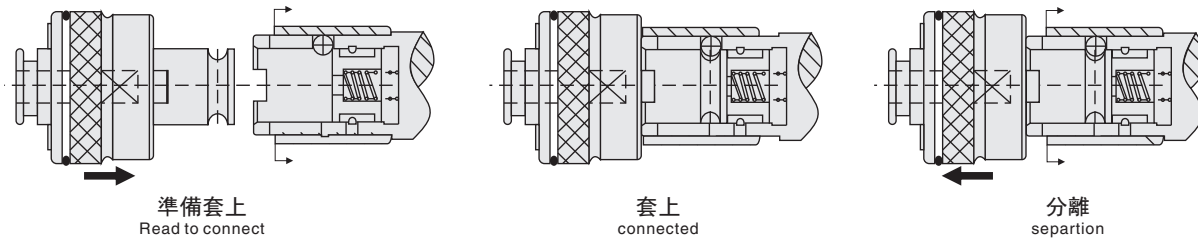


FITTING

G 扭力過載保護攻絲筒夾

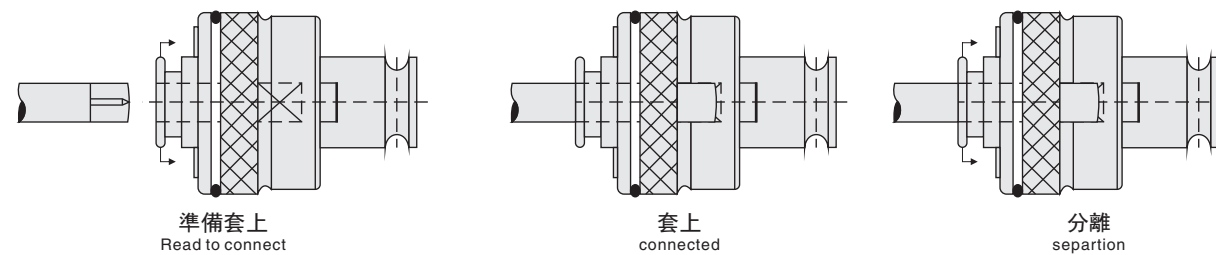
攻牙本體與攻絲筒夾連接操作方法

QUICK CHANGE PROTECT TAP COLLET G SYSTEM



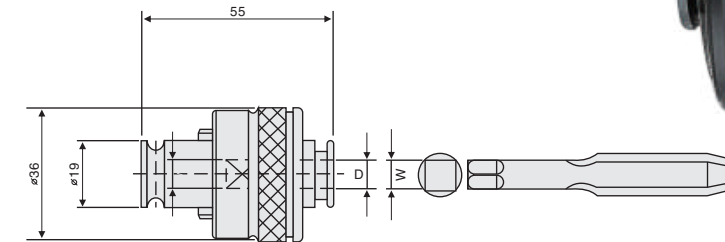
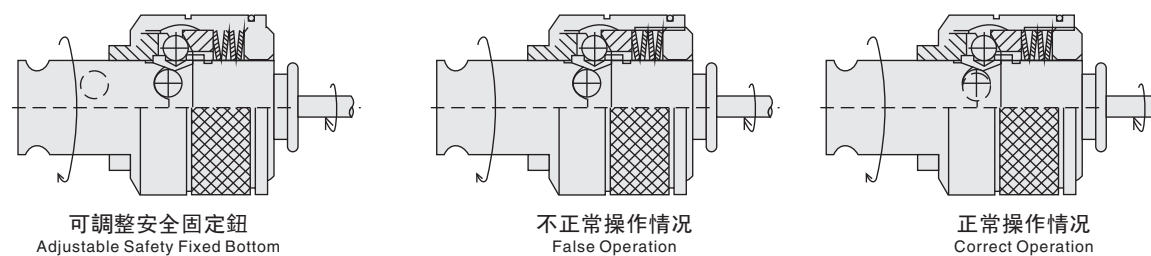
攻絲筒夾與刀具連接操作方法

SCREW TAP AND COLLET CONNECTING



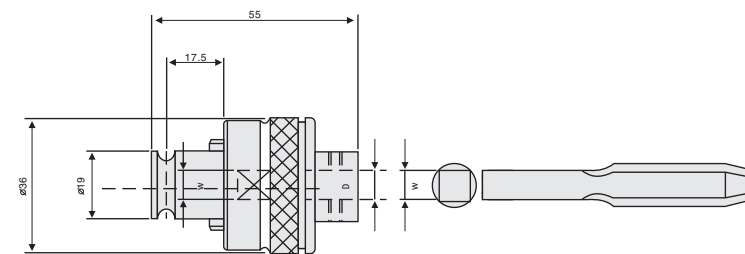
可調整安全固定鈕操作方法

SAFETY FIXED BOTTO ADJUSTING



G3 TAPPING COLLET
G3攻絲筒夾(公制)

型號 Specification	規格 (公制) Specification	D +0.08	W +0.08	圖示 Photo
G3	M3	3.15	2.5	F1
G3	M4	4	3.15	F1
G3	M5	5	4	F1
G3	M6-8	6.3	5	F1
G3	M10	8	6.3	F1
G3	M12	9	7.1	F1



G3 TAPPING COLLET
G3攻絲筒夾(JIS)

型號 Specification	規格 (JIS) Specification	規格 (JIS) Specification	D +0.08	W +0.05
G3	M3	1/8	4	3.2
G3	M4	5/32	5	4
G3	M5	3/16	5.5	4.5
G3	M6	1/4	6	4.5
G3	M8	5/16	6.2	5
G3	M10	3/8	7	5.5
G3	M12	7/16	8	6
G3	M12	1/16	8.5	6.5

特點/Feature

1. 具有扭力過載保護功能，高精度和靈敏度，使用壽命長。
2. 扭矩的變動反應靈敏，可以根據不同材質設定相應的扭矩。
3. 適用於各種攻牙機床設備。

1. Overload protection with high precision and sensitivity, which can promise increased tool life.
2. Sensitive response to torque change and adjustable according to different work piece material.
3. Suitable for various tapping tools and machines.



DT24/DT33 旋臂鑽床攻牙組

型號 Specification	筒夾持具 Tapper Holder	筒夾 Collet	套筒 Tap Sleeve
DT24 MTA□-10PCDS/SET	DT24-MT2 Holder DT24-MT2 Holder DT24-MT2 Holder DT24-MT2 Holder	M4,M5,M6,M8,M10,M12,M14,M16,M18,M20,M22,M24 W3/16,W1/4,W5/16,W3/8,W7/16,W1/2,W5/8,W3/4,W7/8,W1" PT1/8,PT1/4,PT3/8,PT1/2	T24-MT1 T24-MT2 T24-MT3
DT33 MTA□-10PCDS/SET	DT33-MT3 Holder DT33-MT4 Holder DT33-MT5 Holder	M8,M10,M12,M14,M16,M18,M20,M22,M24,M27,M30,M33,M36 W3/16,W1/4,W5/16,W3/8,W7/16,W1/2,W5/8,W3/4,W7/8,W1" PT1/8,PT1/4,PT3/8,PT1/2	T33-MT1 T33-MT2 T33-MT3 T33-MT4

DT24/DT33 旋臂鑽床攻牙組:

1. 旋臂攻牙本體×1PC
2. DT24/DT33+JTA6+1/2普通鑽夾頭×1SET
3. DT24/DT33攻絲套筒夾×2PCS
3. DT24/DT33攻絲筒夾×6PCS
4. L型調整扳手×1PCS

標準型

型號 Specification	標準尺寸 standard
DT24 MTA□-10PCDS/SET DT33 MTA□-10PCDS/SET	DT24 MTA□HOLDER,JTA6+1/2,DT24-M4,M6,M8,M10,M12,M16,DT24-MT1,DT24-MT2 DT33 MTA□HOLDER,JTA6+1/2,DT33-M8,M10,M12,M16,M20,M24,DT33-MT2,DT33-MT3

1. DT24/DT33攻牙組可調整組購買也可以依照你的需求分別購買。
2. DT24/DT33攻牙組使用簡單、方便、快速；
3. DT24/DT33本體有調整扭力功能。并可依照攻牙需求做扭力強 (H) 和弱 (L) 之調整操作。

DT52 旋臂鑽床攻牙系列

型號 Specification	筒夾 Collet	套筒 Tap Sleeve
DT52-MTA5 Holder	M20,M22,M24,M27,M30,M33,M36,M39,M42,M45,M48,M52 W7/8,W1",W1-1/8,W1-1/4,W1-3/8,W1-1/2,W1-5/8,W1-3/4,W1-7/8,W2"	DT52-MT2 DT52-MT3 DT52-MT4 DT52-MT5

1. DT52攻牙系列可以依照你的需求分別購買。
2. DT52攻牙刀杆使用簡單、方便、快速。
3. DT52本體有調整扭力功能。并可依照攻牙需求做扭力強 (H) 和弱 (L) 之調整操作。

DT52 攻絲筒夾規格表

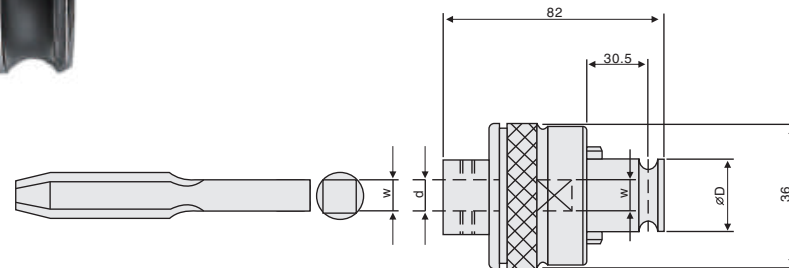
JIS	φd □
DT52 M20	15 12
DT52 M22 W7/8	17 13
DT52 M24 M25	19 15
DT52 M27 W1 PT5/8	20 15
DT52 M30 PT3/4	23 17
DT52 M32 W1-14 PT7/8	24 19
DT52 M33	25 19
DT52 M34 M35 W1-3/8 PT1	26 21
DT52 M36 PT1-1/8	28 21
DT52 M39 M40 W1-1/2	30 23
DT52 M42 W1-5/8	32 26
DT52 M45 M46 W1-3/4 PT1-3/8	35 26
DT52 M48 W1-7/8 PT1-1/2	38 29
DT52 M50 W2	40 32
DT52 M52	42 32
DT52 W1-1/8	22 17

ISO	φd □
DT52 M20	14 11.2
DT52 M22	16 12.5
DT52 M24	18 14
DT52 M27 M30	20 16
DT52 M33	22.4 18
DT52 M36	25 20
DT52 M39 M42	28 22.4
DT52 M45 M48	31.5 25
DT52 M52	35.5 28

DIN376	φd □
DT52 M20	16 12
DT52 M22 M24 W1"	18 14.5
DT52 M27	20 16
DT52 M30	22 18
DT52 M33	25 20
DT52 M36	28 22
DT52 M39 M42	32 24
DT52 M45 M48	26 29
DT52 M52	40 32

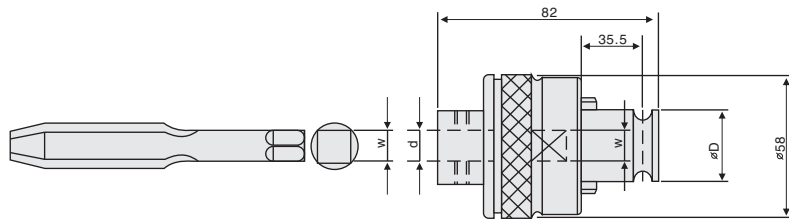


G12 TAPPING COLLET
G12 攻絲筒夾(公制)



型號 Specification	規格 (公制) Specification	d +0.10	w +0.15	D
G12	M6-8	6.3	5	31
G12	M10	8	6.3	31
G12	M12	9	7.1	31
G12	M14	11.2	9	31
G12	M16	12.5	10	31
G12	M18-20	14	11.2	31
G12	M22	16	12.5	31
G12	M24	18	14	31

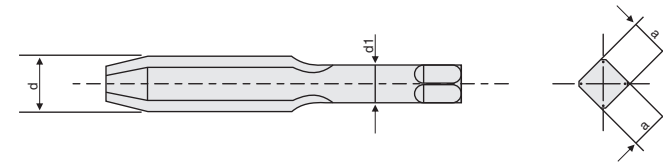
G12 TAPPING COLLET
G12 攻絲筒夾(JIS)



型號 Specification	規格 (公制) Specification	d +0.10	W +0.15	D
G12	M6	6	4.5	31
G12	M8	6.2	5	31
G12	M10	7	5.5	31
G12	M12	8.5	6.5	31
G12	M14	10.5	8	31
G12	M16	12	9	31
G12	M18	14	11	31
G12	M20	15	12	31
G12	M22	17	13	31
G12	M24	19	15	31

特點/Feature

1. 具有扭矩過載保護功能，高精度和靈敏度，使用壽命長。
 2. 扭矩的變動反應靈敏，可以根據不同材質設定相應的扭矩。
 3. 適用於各種攻牙機床設備。
1. Overload protection with high precision and sensitivity, which can promise increased tool life.
 2. Sensitive response to torque change and adjustable according to different work piece material.
 3. Suitable for various tapping tools and machines.



SPECIFICATIONS
絲錐標準

公制	美制	英制	JIS		ISO		DIN371		DIN376		英制工作 直徑d1
			直徑d1	四方a*a	直徑d1	四方a*a	直徑d1	四方a*a	直徑d1	四方a*a	
M3		W1/8	4	3.2	3.15	2.5	3.5	2.7	2.2		3.18
M4/M4.5		W5/32	5	4	4	3.15	4.5	3.4	2.8	2.1	3.97
M5/M5.5		W3/16	5.5	4.5	5	4	6	4.9	3.5	2.7	4.76
M6	U1/4	W1/4	6	4.5	6.3	5	6	4.9	4.5	3.4	6.35
		W5/16	6.1	5.5							7.94
M8/M7			6.2	5	6.3	5	8	6.2	6	4.9	
M10/M9	U3/8	W3/8	7	5.5	8	6.3		8	7	5.5	9.52
M11	U7/16	W7/16	8	6							11.11
M12			8.5	6.5	9	7.1			9	7	
	U1/2	W1/2	9	7							12.7
M14/M15	U9/16	W9/16	10.5	8	11.2	9			11	9	14.28
M16	U5/8	W5/8	12	9							15.88
			12.5	10	12.5	10			12	9	
M17			13	10							
M18	U3/4	W3/4	14	11	14	11.2			14	11	19.05
M20			15	12	14	11.2			16	12	
M22	U7/8	W7/8	17	13	16	12.5			18	14.5	22.22
M24/M25			19	15	18	14			18	14.5	
M25/M26	U1	W1	20	15							25.4
M27			20	15	20	16			20	16	
M28			21	17							
	U1 1/8	W1 1/8	22	17							28.58
M30			23	17	20	16			22	18	
M32	U1 1/4	W1 1/4	24	19							31.75
M33			25	19	22.4	18					
M34/M35	U1 3/8	W1 3/8	26	21							34.93
M36			28	21	25	20					
M39/M40	U1 1/2	W1 1/2	30	23							38.1
M42			32	26	28	22.4					41.28
M45	U1 3/4	W1 3/4	35	26							44.45
M48		W1 7/8	38	29	31.5	25					47.63

PROBLEM AND SOLUTIONS IN TAPPING PROCESS

攻絲中常見問題原因與解決方法

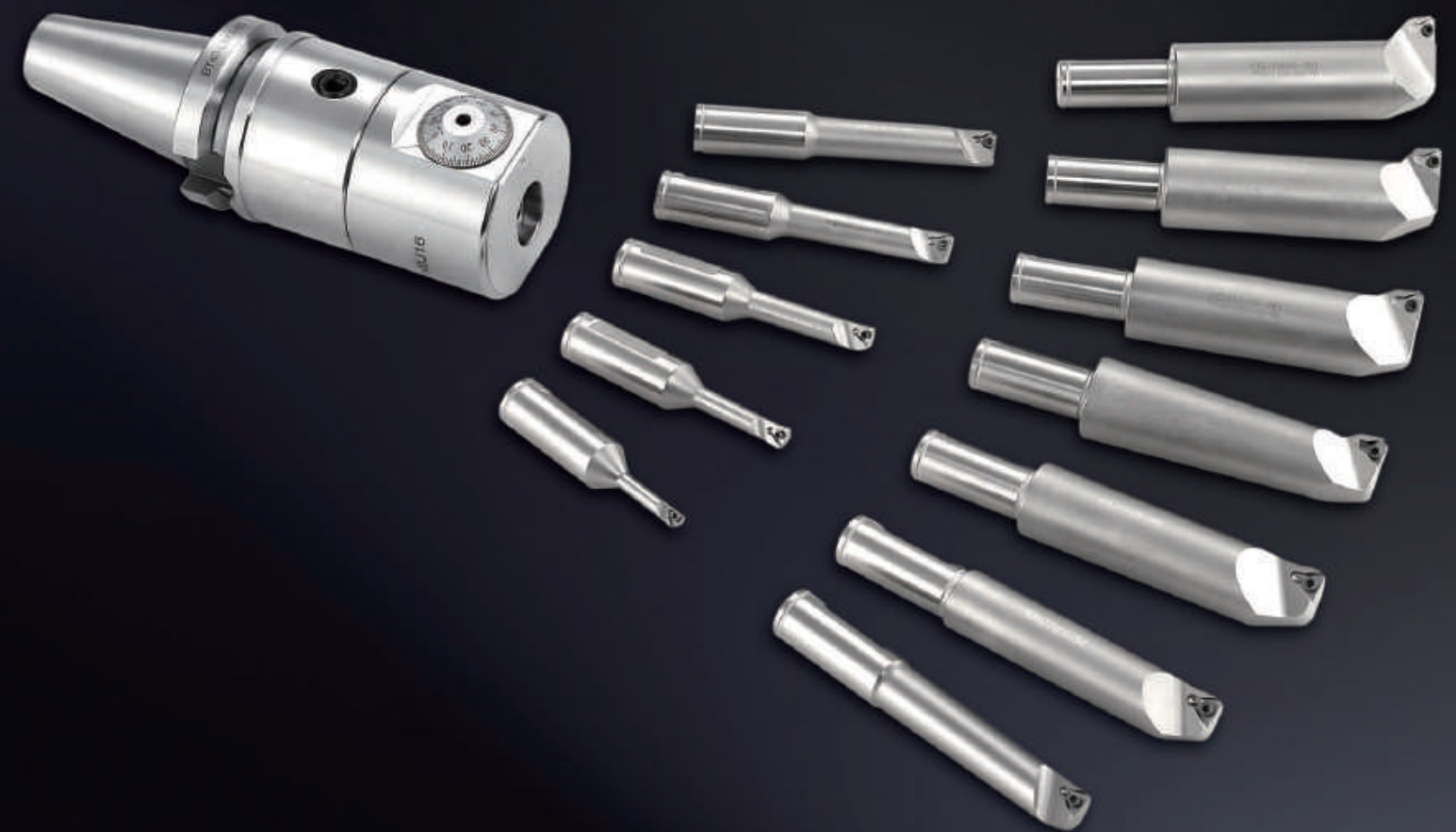
序號	發生的問題	產生原因	解決方法
1	絲錐折斷	①螺紋底孔選擇偏小 ②排屑不好，切削堵塞在絲錐槽內 ③攻不通孔螺紋，鑽孔深度不夠 ④攻螺紋切削速度太高 ⑤攻螺紋絲錐與底孔不同軸 ⑥絲錐刃磨參數選擇不適合 ⑦工作硬件不穩定 ⑧絲錐過度磨損	①尽可能加大底孔直徑 ②刃磨刃傾角或選用螺尖絲錐，盲孔則選用螺旋槽絲錐 ③加大鑽孔深度 ④適當降低切削速度 ⑤校正夾具，選用浮動螺絲夾頭 ⑥增大絲錐前角，縮短切削錐長度 ⑦控制工作硬度，選用保險夾頭 ⑧及時更換絲錐
2	絲錐崩齒	①絲錐前角選擇過大 ②絲錐每齒切削厚度太大 ③絲錐硬度過高 ④絲錐磨損	①適當減小前角 ②適當增加切削錐長度 ③適當降低硬度 ④及時更換絲錐
3	絲錐磨損太快	①攻螺紋切削速度太高 ②絲錐刃磨參數選擇不適合 ③切削液選擇不適合 ④工件材料硬度太高 ⑤絲錐刃磨時燒傷	①適當降低切削速度 ②適當減小前角，加長切削錐長度 ③選用潤滑性好的切削液 ④工件進行適當熱處理 ⑤正確刃磨絲錐
4	螺紋中徑過大	①絲錐精度選擇不當 ②切削液選擇不當 ③切削速度太高 ④絲錐與工件螺紋底孔不同軸 ⑤絲錐刃磨參數選擇不適合 ⑥刃磨絲錐中產生毛刺 ⑦絲錐切削長度太短	①選擇適宜精度的絲錐 ②選擇適宜的切削液 ③適當降低切削速度 ④校正夾具，選用浮動攻夾頭 ⑤適當減小前角與切削錐後角 ⑥消除刃磨絲錐產生的毛刺 ⑦適當增加切削錐長度
5	螺紋中徑過小	①絲錐精度選擇不當 ②絲錐刃磨參數選擇不適合 ③切削液選擇不適合	①選擇適宜精度的絲錐 ②適當加大絲錐前角與切削錐角 ③選用潤滑性好的切削液
6	螺紋表面不光滑，有波紋	①絲錐刃磨參數選擇不適合 ②工件材料太軟 ③絲錐刃磨不良 ④切削液選擇不適合 ⑤攻螺紋切削速度太高 ⑥絲錐磨損	①適當加大前角，減小切削錐角 ②進行熱處理，適當提高工件硬度 ③保證絲錐前刀面有較細的表面粗糙度 ④選擇潤滑好的切削液 ⑤適當降低切削速度 ⑥更換也磨損的絲錐

以上表格參數僅供參考

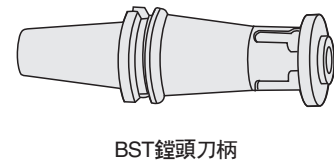


BORING TOOL Series
孔加工系列

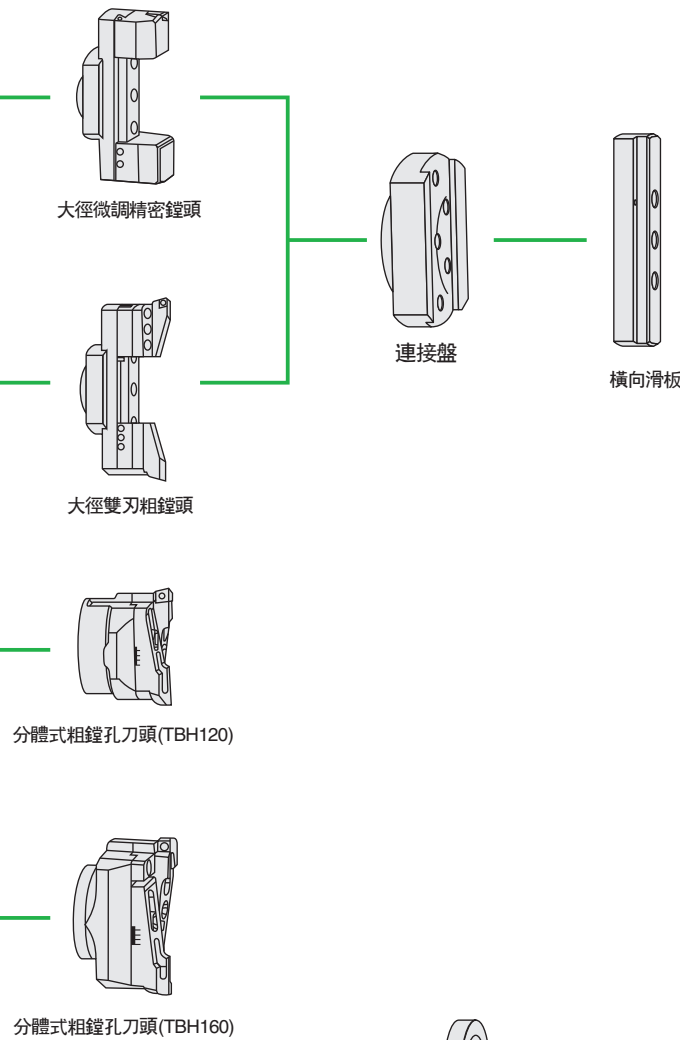
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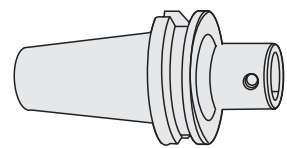
BST系列
BST BORING SYSTEM



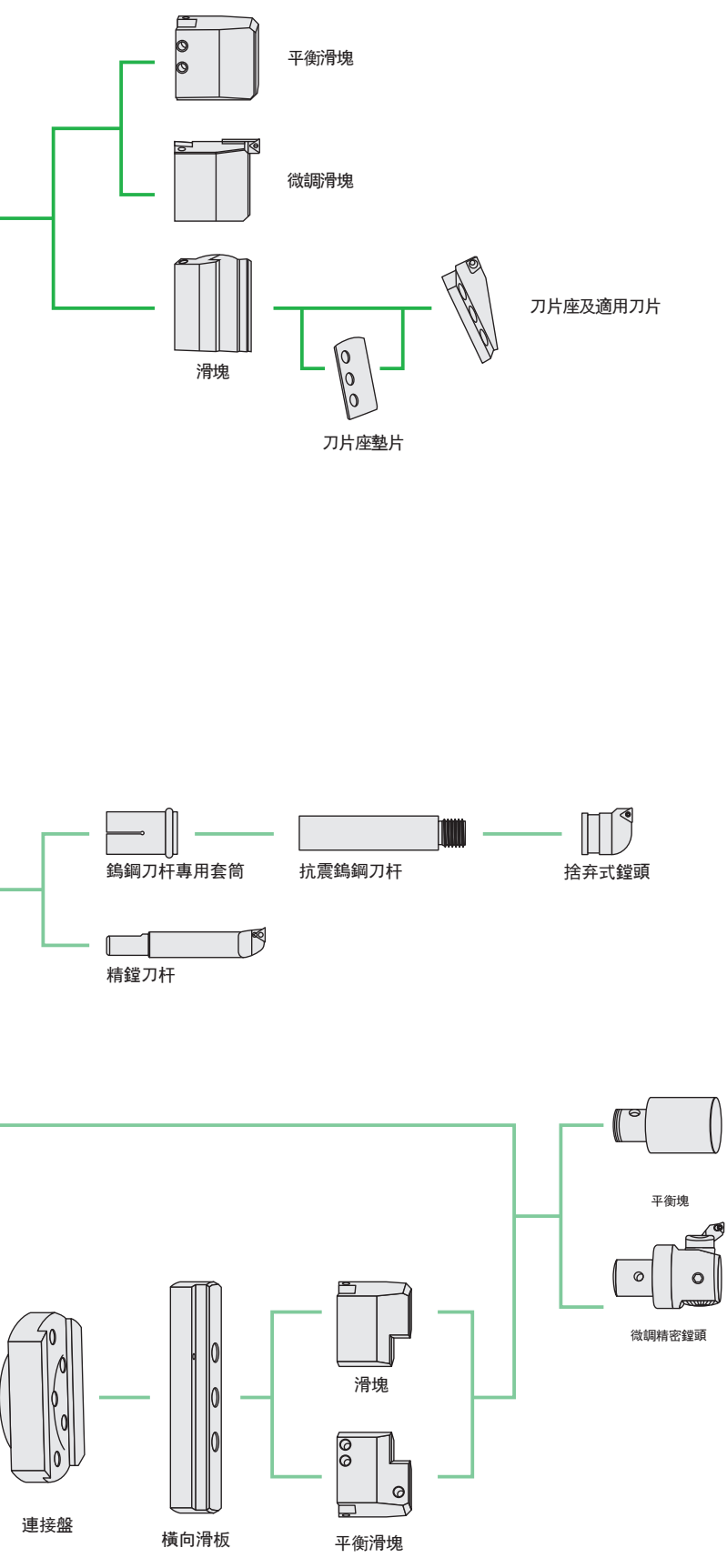
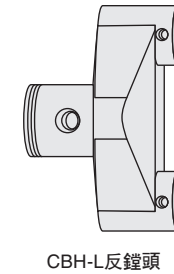
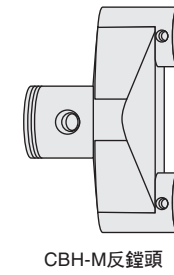
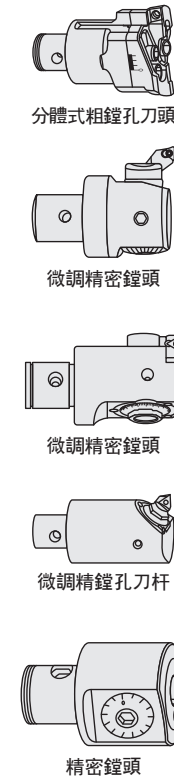
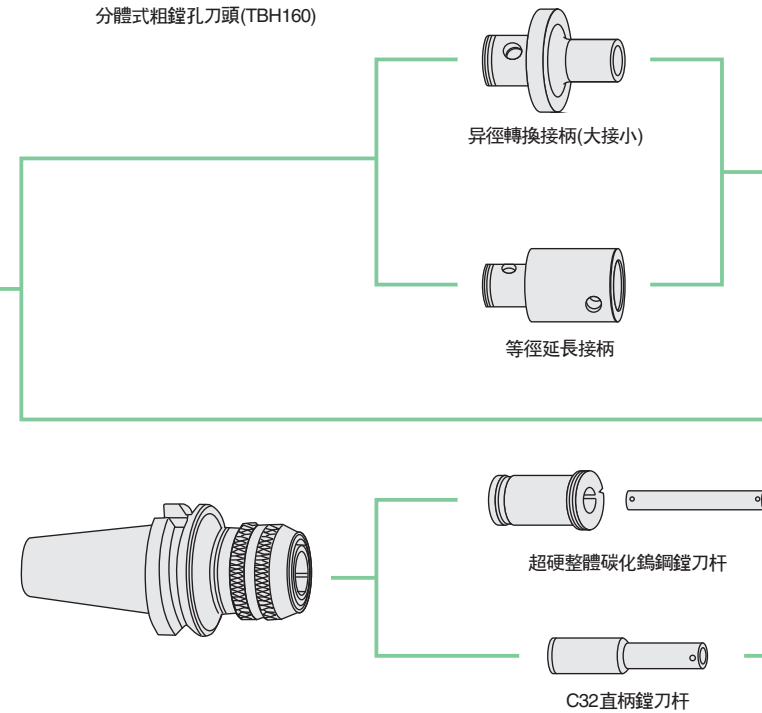
BST鏢頭刀柄



TCK系列
TCK BORING SYSTEM

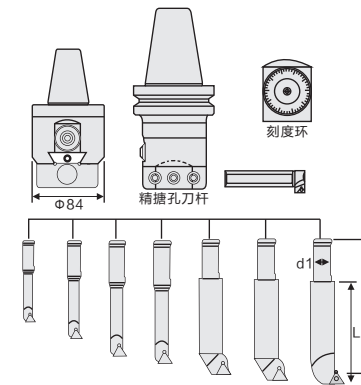


鏢頭刀柄



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NBH2084 MICRO BORING TOOL SYSTEM
NBH2084 微调精鏜孔系统 (套装)

型號 Specification	鏜孔範圍 Boring Range	調整精度 Turning precision	調整行程 Stroke	重量 Weight(KG)
NBH2084	Φ8~Φ280	Φ0.01mm/格	28.0mm	3.0

型號 Specification	鏜孔範圍 Boring Range	d1	L1	L	適用刀片 Applicable inserts	螺釘 Clamp screw	扳手 spanner	重量 Weight(KG)
SBJ -2008-32	8~11	20	32	80	TBGT0601..L	M2.0×5	T6	0.095
-2010-40	10~13	20	40	87	TBGT0601..L	M2.0×5	T6	0.095
-2012-53	12~17	20	53	98	TPGH0902..L	M2.5×6	T8	0.12
-2016-68	16~21	20	68	110	TPGH0902..L	M2.5×6	T8	0.16
-2020-83	20~130	20	83	123	TPGH1103..L	M3.0×7	T8	0.22
-2025-96	25~135	20	96	137	TPGH1103..L	M3.0×7	T8	0.34
-2030-115	30~140	20	115	152	TPGH1103..L	M3.0×7	T8	0.54
-2020-L	120~280	20	84+BTL1	100	TPGH1103..L	M3.0×7	T8	0.23

標準搪杆孔有效深度為4倍徑，孔徑20以上，加長6倍徑搪杆備有現貨，SKD61材質。

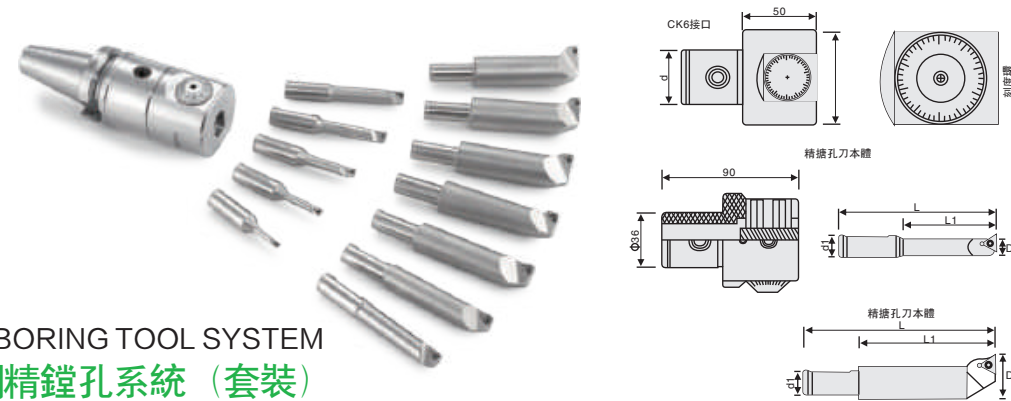
特點/Feature

- 1、可調節精密鏜頭，鏜孔範圍8-280mm,每一刻度調整尺寸為0.01mm。
 - 2、配備8支鏜刀杆，方便選擇不同的鏜孔範圍。
 - 3、鏜孔穩定。
- 1、Precision adjustable boring head with boring range 8-280mm, 0.01mm for each changing dimension.
 - 2、8 piece boring bar for free selection of different boring range.
 - 3、Stable boring.



NBH2084 微调精鏜孔系统(套装)

型號 Specification	鏜孔範圍 Boring Range	主軸柄規格 Spindle model	鏜頭型號 Head Spec	鏜刀杆 Boring bar	重量 Weight(KG)	
BT40	NBH2084-8P	08~280	BT40-NBH-50	NBH2084	SBJ-20..	9.5
BT50	NBH2084-8P	08~280	BT50-NBH-55	NBH2084	SBJ-20..	12.0
NT40	NBH2084-8P	08~280	NT40-NBH-50	NBH2084	SBJ-20..	9.3
NT50	NBH2084-8P	08~280	NT50-NBH-55	NBH2084	SBJ-20..	10.8
SK40	NBH2084-8P	08~280	SK40-NBH-50	NBH2084	SBJ-20..	9.5
SK50	NBH2084-8P	08~280	SK50-NBH-55	NBH2084	SBJ-20..	12.0
R8	NBH2084-8P	08~280	R8-NBH-50	NBH2084	SBJ-20..	10.0

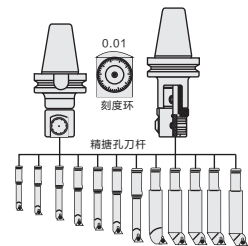


NBJ16 MICRO BORING TOOL SYSTEM
NBJ16 微調精鏜孔系統 (套裝)

型號	鏜孔範圍	調整精度	調整行程	重量
Specification	Boring Range	Turning precision	Stroke	Weight(KG)
SBJ16	φ6~φ51	φ0.01mm/格	6.0mm	1.2

型號	鏜孔範圍	d1	L1	L	適用刀片	螺釘	扳手	重量	
Specification	Boring Range				Applicable inserts	Clamp screw	spanner	Weight(KG)	
SBJ	-1606-24 *	6~9	16	24	73	WBGT0601..L	M2.0×4	T6	0.014
	-1608-32	8~11	16	32	80	TBGT0601..L	M2.0×5	T6	0.077
	-1610-40	10~13	16	40	87	TBGT0601..L	M2.0×5	T6	0.082
	-1612-53	12~15	16	53	98	TPGH0902..L	M2.5×6	T8	0.095
	-1614-60 *	14~17	16	60	103	TPGH0902..L	M2.5×6	T8	0.101
	-1616-68	16~21	16	68	110	TPGH0902..L	M2.5×6	T8	0.143
	-1620-83	20~26	16	83	125	TPGH1103..L	M3.0×7	T8	0.203
	-1625-90	25~31	16	90	128	TPGH1103..L	M3.0×7	T8	0.275
	-1630-90	30~36	16	90	128	TPGH1103..L	M3.0×7	T8	0.275
	-1635-90 *	35~41	16	90	128	TPGH1103..L	M3.0×7	T8	0.280
	-1640-90	40~46	16	90	128	TPGH1103..L	M3.0×7	T8	0.280
	-1645-90 *	45~51	16	90	128	TPGH1103..L	M3.0×7	T8	0.211

注：帶有星號規格的鏜杆不在8支杆套裝的範圍內。



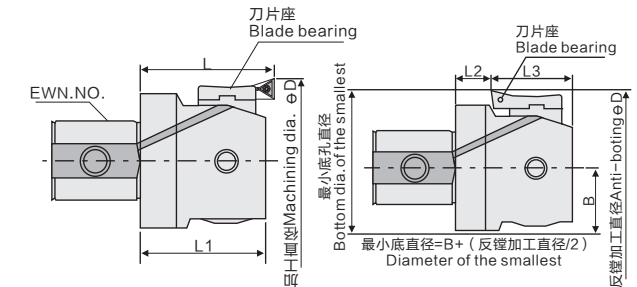
NBJ16 MICRO BORING TOOL SYSTEM
NBJ16 微調精鏜孔系統 (套裝)

型號	鏜孔範圍	主軸柄規格	鏜頭型號	鏜刀杆	重量	
Specification	Boring Range	Spindle handle models	Head NO	Bar keep out	Weight(KG)	
BT40	NBJ16-12P	6~51	BT40-CK6-55	NBJ16	SBJ-16..	9.1
BT50	NBJ16-12P	6~51	BT50-CK6-65	NBJ16	SBJ-16..	11.7
NT40	NBJ16-12P	6~51	NT40-CK6-55	NBJ16	SBJ-16..	8.5
NT50	NBJ16-12P	6~51	NT50-CK6-65	NBJ16	SBJ-16..	10.3
SK40	NBJ16-12P	6~51	SK40-CK6-55	NBJ16	SBJ-16..	8.9
SK50	NBJ16-12P	6~51	SK50-CK6-65	NBJ16	SBJ-16..	10.5

特點/Feature

1. 可調節精密鏜頭，鏜孔範圍6-51mm,每一刻度調整尺寸為0.01mm。
2. 配備8支鏜刀杆，方便選擇不同的鏜孔範圍。
3. 鏜孔穩定。

1. Precision adjustable boring head with boring range 6-51mm, 0.01mm for each changing dimension.
2. 8 piece boring bar for free selection of different boring range.
3. Stable boring.



EWN MICRO BORING HEAD
EWN 微調精密鏜頭

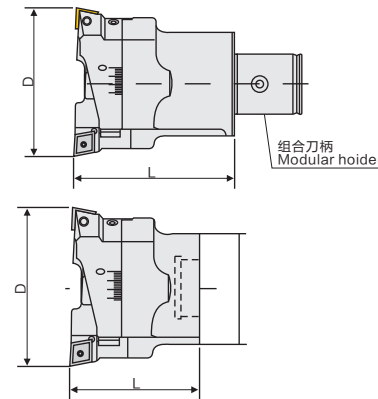
型號	正鏜Boring	反鏜Counter boring	組合刀柄	刀片座	刀片	螺絲	扳手	重量						
Specification	L1	L	范围Range	B	L2	L3	范围Range	Holder	Blade bearing	Insert	Screw	Wrench	Weight	
CK LBK	EWN20-36	29.5	32.5	20-26 25-31 30-36	10	10.5	19	- 30-36	CK1 LBK1	ENH1-1 ENH1-2 ENH1-3	TPGH 080202	M2.2	T6	0.07
	EWN25-47	32.5	35.5	25-33 32-40 39-47	12.5	11.5	21	- 36-40 39-47	CK2 LBK2	ENH2-1 ENH2-2 ENH2-3	TPGH 080202	M2.2	T6	0.12
	EWN32-60	35	40	32-42 41-51 50-60	16	10	25	- 46-51 50-60	CK3 LBK3	ENH3-1 ENH3-2 ENH3-3	TPGH 080202	M2.2	T6	0.21
	EWN41-74	43	47	41-54 50-63 61-74	20	14	29	- 53-63 61-74	CK4 LBK4	ENH4-1 ENH4-2 ENH4-3	TCMT 110204	M2.5	T8	0.40
	EWN53-95	53	57	53-70 65-82 78-95	25.5	19	34	- 53-70 65-82 78-95	CK5 LBK5	ENH5-1 ENH5-2 ENH5-3	TCMT 110204	M2.5	T8	1.10
	EWN68-150	67.2	71	68-100 94-126 118-150	32.5	22	45.2	80-100 94-126 118-150	CK6 LBK6	ENH6-1 ENH6-2 ENH6-3	TCMT 110204	M2.5	T8	1.47
	EWN100-203	67.2	71	100-153 126-179 150-203	45.5	22	45.2	112-153 126-179 150-203	CK6 LBK6	ENH6-1 ENH6-2 ENH6-3	TCMT 110204	M2.5	T8	2.46

型號	形狀圖	對應鏜頭	型號	形狀圖	對應鏜頭	型號	形狀圖	對應鏜頭
Specification	Drawing of shape	Boring head	Specification	Drawing of shape	Boring head	Specification	Drawing of shape	Boring head
EWN	1-1 1-2 1-3	SCK1- EWN20-36	4-1 4-2 4-3		SCK4- EWN41-74	4-1 4-2 4-3		SCK4- EWN41-74
	2-1 2-2 2-3	SCK2- EWN25-47	5-1 5-2 5-3		SCK5- EWN53-95	5-1 5-2 5-3		SCK5- EWN53-95
	3-1 3-2 3-3	SCK3- EWN32-60	6-1 6-2 6-3		SCK6- EWN68-150 SCK6- EWN100-203	6-1 6-2 6-3		SCK6- EWN68-150 SCK6- EWN100-203

特點/Feature

1. 用于精鏜孔,鏜孔範圍20-203mm,每一刻度調整尺寸為0.01mm。
2. 中心內冷,加工中刀尖直接冷卻,刀片壽命長。
3. 動平衡結構,鏜孔精密穩定。

1. Precision adjustable boring head with boring range 8-280mm. 0.01mm for each dial diameter.
2. Internal cooling direct for boring insert, with increased tool life.
3. Dynamic balance ensures precision and stable boring.



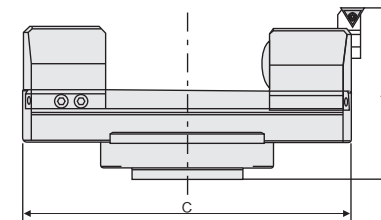
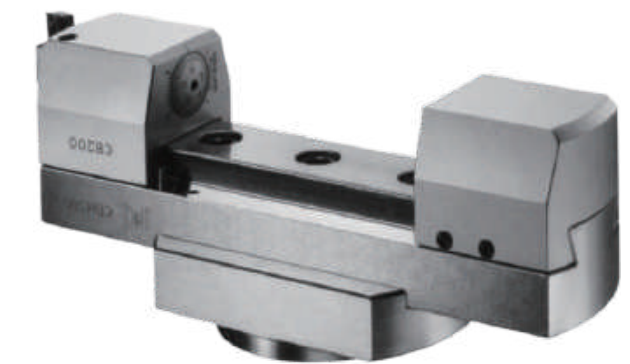
RBH ADJUSTABLE ROUGH BORING HEAD

RBH 可調式雙刃粗鏜頭

	型號 Specification	圖示 Figure	外形尺寸 (mm) Size		鏜孔範圍 Boring range D	組合刀柄 Modular holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	重量 Weight
			C	L						
LBK	RBH19-25-C	A	19	40	19-25	LBK1	CCMT0602	M2.5	T8	0.10
	RBH25-33-C	A	24	45	25-33	LBK2	CCMT0602	M2.5	T8	0.15
	RBH32-42-C	A	31	55	32-42	LBK3	CCMT0602	M2.5	T8	0.30
	RBH40-55-C	A	39	65	40-55	LBK4	CCMT09T3	M4	T15	0.50
	RBH52-70-C	A	50	75	52-70	LBK5	CCMT09T3	M4	T15	1.00
	RBH68-92-C	A	64	85	68-92	LBK6	CCMT1204	M5	T20	2.00
BST	RBH90-122-C	A	64	100	90-122	LBK6	CCMT1204	M5	T20	2.90
	RBH120-164-C	B	95	95	120-164	BST	CCMT1204	M5	T20	3.80
	RBH160-204-C	B	95	95	160-204	BST	CCMT1204	M5	T20	4.80

特點/Feature

- 1、可調節粗鏜頭，鏜孔範圍19-204mm。
- 2、結構簡單，剛性強，適用於各種鏜孔作業。
- 1、Adjustable rough boring head with boring range 19-204mm.
- 2、Simple modular structure, high boring rigidity for universal boring process.



鏜孔範圍200-910mm組合系列

MODULAR BORING CUTTER

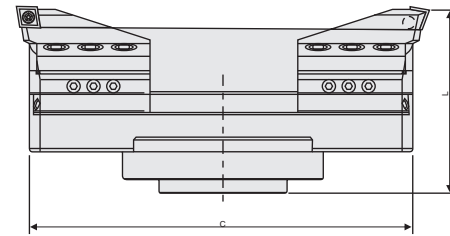
CBH 大徑微調精密鏜頭

	型號 Specification	外形尺寸 (mm) Size		鏜孔範圍 Boring range	組合刀柄 Modular holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	重量 Total weight
BST	CBH200310	180	130	200-310	BST	TPGH090204 TCMT110204	M2.5	T8	9.7
	CBH300410	280	130	300-410	BST				11.7
	CBH400510	380	130	400-510	BST				13.7
	CBH500610	480	130	500-610	BST				15.7
	CBH600710	580	130	600-710	BST				17.7
	CBH700810	680	130	700-810	BST				19.7
	CBH800910	780	130	800-910	BST				21.7

型號 Specification	組合形式 Module	刀片型號 Insert	重量 Total weight
BT50-BST系列Series	組合刀柄 Module holder		
BST-FI200	連接盤 Flange		2.7
DST200 DST300 DST400 DST500 DST600 DST700 DST800	橫向滑板 Extension Slide		3.4 5.4 7.4 9.4 11.4 13.4 15.4
DBN300	平衡滑块 Balance Weight		1.6
CB200	微調滑块 Finsert Head		1.6

適用刀片 Suit insert

TPGH080202/M2.2/T7, TPGH090204/M2.5/T8, TCMT110204/M2.5/T8, TPGH110304M/3/T15

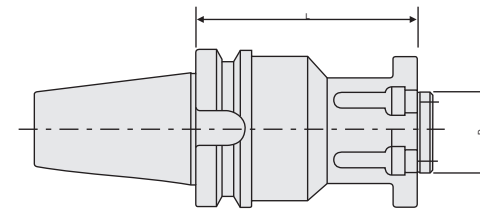


MODULAR BORING CUTTER

RBH 可調式大徑雙刃粗鏜頭

鏜孔範圍Φ200-Φ900mm組合系列

型號 Specification	外形尺寸 (mm) Size		鏜孔範圍 Boring range	組合刀柄 Modular holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	整組重量 Total weight
	C	L						
RBH200310	180	130	200-310	BST	(选配刀片座) DB200-C12 DB200-T16 DB200-T22 DB200-S12	M5	T20	9.7
RBH300410	280	130	300-410	BST		M5	T20	11.7
RBH400510	380	130	400-510	BST		M5	T20	13.7
RBH500610	480	130	500-610	BST		M5	T20	15.7
RBH600710	580	130	600-710	BST		M5	T20	17.7
RBH700810	680	130	700-810	BST		M5	T20	19.7
RBH800910	780	130	800-910	BST		M5	T20	21.7

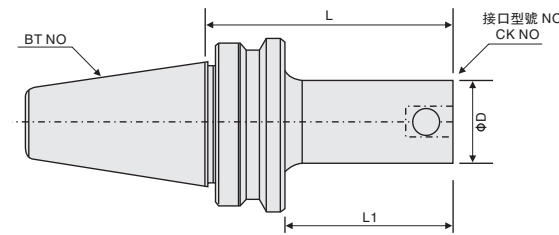


BST 鏜頭刀頭

型號 Specification	組合形式 Module	刀片型號 Insert	重量 Total weight
BT50-BST系列Series	組合刀柄 Module holder		
BST-BR200	连接盘 Flange		2.7
RST200 RST300 RST400 RST500 RST600 RST700 RST800	橫向滑板 Extension Slide		3.4 5.4 7.4 9.4 11.4 13.4 15.4
RS200	滑块 Clamp Base		0.98
RS201	刀片座垫片 Height Setting Shim		0.05
RB200-C12 RB200-T16 RB200-T22 RB200-S12	刀片座及適用刀片 Insert Setting and applicable insert		0.68

型號 Specification	外形尺寸 (mm) Size		重量 Weight
	D	L	
BT40	50	70	3.2
BST-100	50	100	4.0
BT50	50	100	5.10
BST-150	50	150	6.8
BST-200	50	200	9.6
BST-250	50	250	11.5
BST-300	50	300	14.4
BST-350	50	350	16.8
BST-400	50	400	19.3

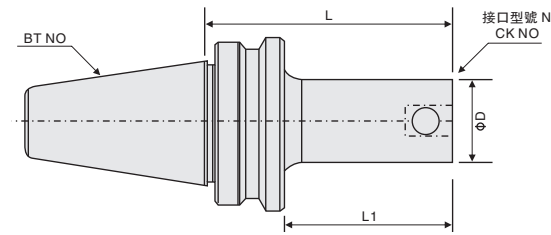
BST粗精鏜孔刀頭基礎柄系列 (鏜孔範圍>200)



MODULAR BORING CUTTER

BT CK型主軸柄

	型號		尺寸 Size			螺絲	Fig.	重量
	Specification	接口型號	L	L1	D			
BT30	CK1-70	CK1	70	45	19	CKM1	1	0.47
	CK2-80	CK2	80	55	24	CKM2	1	0.48
	CK3-80	CK3	80	55	31	CKM3	1	0.48
	CK4-60	CK4	60	36	39	CKM4	1	0.56
	CK5-60	CK5	60	38	49	CKM5	1	0.67
BT40	CK1-75	CK1	75	45	19	CKM1	1	1.06
	CK1-115	CK1	115	85	19	CKM1	1	1.09
	CK2-85	CK2	85	55	24	CKM2	1	1.07
	CK2-120	CK2	120	90	24	CKM2	1	1.15
	CK3-95	CK3	95	65	31	CKM3	1	1.24
	CK3-145	CK3	145	115	31	CKM3	1	1.41
	CK4-85	CK4	85	50	39	CKM4	1	1.15
	CK4-135	CK4	135	105	39	CKM4	1	2.03
	CK5-105	CK5	105	75	49	CKM5	1	1.78
	CK5-165	CK5	165	135	49	CKM5	1	3.30
BT50	CK6-65	CK6	65	35	62	CKM6	1	1.37
	CK6-115	CK6	115	85	62	CKM6	1	2.16
	CK6-165	CK6	165	135	62	CKM6	1	2.91
	CK7-90	CK7	90	63	83	CKM7	1	2.66
	CK1-115	CK1	115	40	19	CKM1	1	3.76
	CK1-145	CK1	145	70	19	CKM1	1	3.88
	CK2-110	CK2	110	80	24	CKM2	1	3.81
	CK2-140	CK2	140	110	24	CKM2	1	4.05
	CK3-135	CK3	135	90	31	CKM3	1	3.86
	CK3-175	CK3	175	130	31	CKM3	1	4.14
	CK4-125	CK4	125	85	39	CKM4	1	4.05
	CK4-185	CK4	185	145	39	CKM4	1	4.57
	CK5-140	CK5	140	100	49	CKM5	1	4.16
	CK5-210	CK5	210	170	49	CKM5	1	5.60
	CK6-95	CK6	95	55	62	CKM6	1	4.45
CK6-170	CK6	150	110	62	CKM6	1	5.69	
CK6-230	CK6	230	190	62	CKM6	1	6.11	
CK7-105	CK7	105	65	83	CKM7	1	5.34	
CK7-185	CK7	185	145	83	CKM7	1	8.89	
CK7-250	CK7	250	210	83	CKM7	1	10.25	

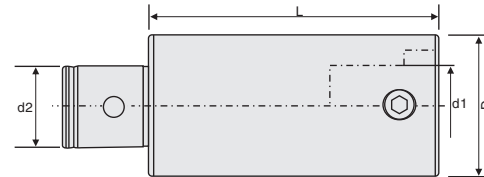


BT LBK BORING TOOL HOLDER
BT LBK鏜刀柄

	型號		尺寸 Size			Fig.	重量
	Specification	接口型號	L	L1	D		
BT30	LBK1-70	LBK1	70	50	19	1	0.6
	LBK2-80	LBK2	80	60	24	1	0.8
	LBK3-80	LBK3	80	60	31	1	1.0
	LBK4-70	LBK4	70	50	39	1	1.3
	LBK5-60	LBK5	60	40	50	1	1.8
	LBK6-60	LBK6	60	40	64	1	3.0
BT40	LBK1-75	LBK1	75	50	19	1	1.1
	LBK1-105	LBK1	105	80	19	1	1.3
	LBK2-85	LBK2	85	60	24	1	1.3
	LBK2-115	LBK2	115	95	24	1	1.6
	LBK3-95	LBK3	95	70	31	1	1.5
	LBK3-125	LBK3	125	100	31	1	1.8
	LBK3-155	LBK3	155	130	31	1	2.0
	LBK4-85	LBK4	85	60	39	1	1.8
	LBK4-130	LBK4	130	105	39	1	2.4
	LBK4-175	LBK4	175	150	39	1	2.7
	LBK5-75	LBK5	75	50	50	1	2.3
	LBK5-125	LBK5	125	100	50	1	3.3
BT50	LBK5-175	LBK5	175	150	50	1	4.0
	LBK6-65	LBK6	65	40	64	1	3.3
	LBK6-115	LBK6	115	95	64	1	4.7
	LBK6-165	LBK6	165	140	64	1	5.9
	LBK1-115	LBK1	115	80	19	1	4.2
	LBK1-145	LBK1	145	110	19	1	5.6
	LBK2-110	LBK2	110	75	24	1	6.8
	LBK2-140	LBK2	140	105	24	1	5.5
	LBK3-125	LBK3	125	90	31	1	6.9
	LBK3-155	LBK3	155	115	31	1	8.1
	LBK4-115	LBK4	115	80	39	1	4.1
	LBK4-145	LBK4	145	110	39	1	4.2
	LBK4-175	LBK4	175	140	39	1	4.1
	LBK4-205	LBK4	205	170	39	1	4.2
	LBK5-105	LBK5	105	70	50	1	4.4
	LBK5-180	LBK5	180	145	50	1	4.5
	LBK5-240	LBK5	140	205	50	1	4.8
	LBK6-95	LBK6	95	60	64	1	4.9
LBK6-170	LBK6	170	135	64	1	5.3	
LBK6-230	LBK6	230	195	64	1	5.4	
LBK6-290	LBK6	290	255	64	1	5.5	
LBK6-350	LBK6	350	315	64	1	6.5	

特點/Feature

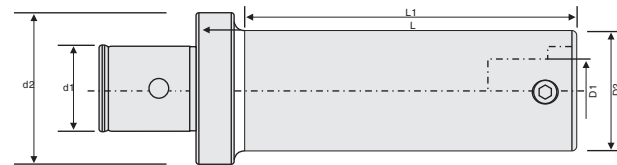
- 1、刀柄本體精密加工，確保穩定跳動。2、刀柄與鏜頭有貼合的接觸面，穩定的震動精度，提高加工表面精度。
- 1、Tool body is finish machined for stable run-out accuracy.
- 2、Covering interface between tool holder and boring head, precision vibration enhances machining surface roughness.



MODULAR BORING CUTTER

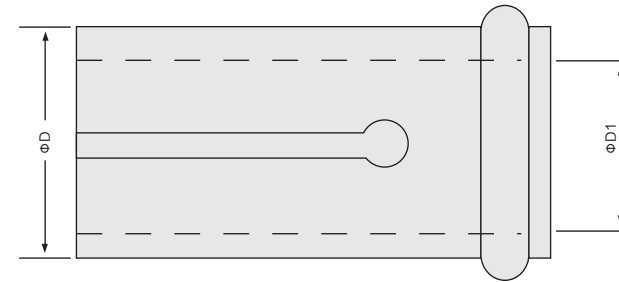
LBK 等徑延長接柄

	型號 Specification	尺寸 Size				重量 Weight
		D	d1	d2	L	
LBK1	1-30	19	11	11	30	0.07
LBK2	2-30	24	14	14	30	0.1
LBK3	3-30	31	18	18	30	0.15
LBK4	4-45	39	22	22	45	0.4
	4-60	39	22	22	60	0.4
LBK5	5-60	49	28	28	60	0.8
	5-90	49	28	28	90	1.1
LBK6	6-60	62	36	36	60	1.4
	6-100	62	36	36	100	1.8



CK 异徑延長接柄

	型號 Specification	尺寸 Size						重量 Weight
		D1	D2	d1	d2	L1	L	
CK2	1-36	11	19	14	-	30	36	0.1
CK3	2-37	14	24	18	31	25	37	0.15
CK4	3-50	18	31	22	39	37	50	0.35
CK5	4-67	22	39	28	49	50	67	0.7
CK6	4-51	22	39	36	62	35	51	0.85
	4-101	22	39	36	62	85	101	1.3
	5-41	28	50	36	62	25	41	0.85
	5-91	28	50	36	62	75	91	1.45



SIMPLE TYPE BORING

變徑套筒

型號 Specification	外徑D2 (mm)	內徑D1 (mm)	適用鎢鋼刀杆 Applicable Carbide Tool Holder	
			NBJ16	160548
	160648	16	6	ST06
	160848	16	8	ST08

型號 Specification	外徑D2 (mm)	內徑D1 (mm)	適用鎢鋼刀杆 Applicable Carbide Tool Holder	
			NBH2084	200547
	200647	20	6	ST06
	200847	20	8	ST08

其他內徑規格可定制。



型號 Specification	全長L (mm)	柄徑D (mm)	接合牙M (mm)	適用搪孔頭 Applicable Carbide Tool Holder		適用套筒 Applicable Bushing
				ST08	W5-100L	100
ST010	W6-140L	140	10	M6	BE12A	C2010.C1610
ST012	W6-156L	156	12	M6	BE14A.BE16A	C2012.C1612
ST016	W10-186L	186	16	M10	BE16A	C2016
					BE18A BE20A BE22A BE24A BE26A BE28A BE30A	

其他內徑規格可定制。

一體式小徑焊接鎢鋼搪杆

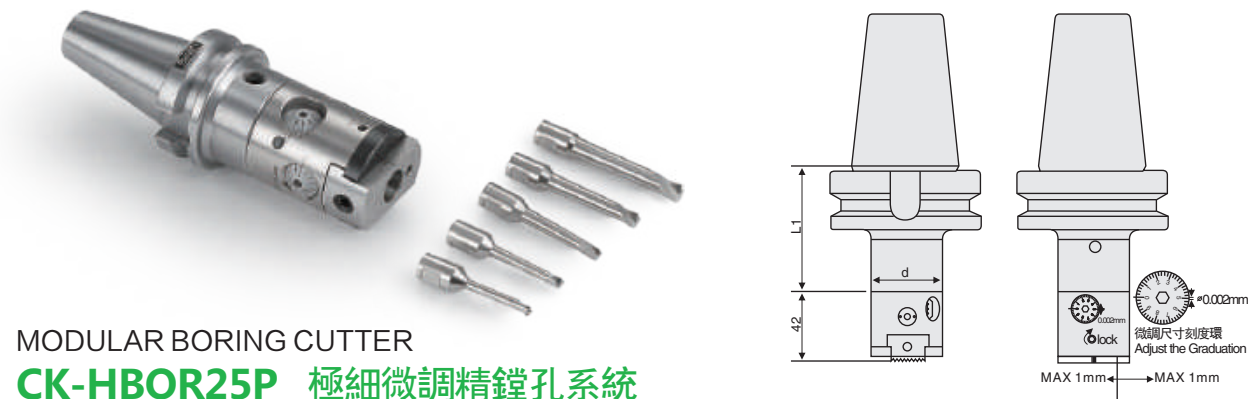
型號 Specification	柄徑D (mm)	適用套筒 Applicable Bushing		
		C0590	WB0608-8D	90
C0698	TB7510-8D	98	6	NBJ16-160648 NBH2084-200647
C08115	TB0912-8D	115	8	NBJ16-160848 NBH2084-200847

其他內徑規格可定制。

組合式搪孔頭BE型 (搪孔範圍9~34mm)

圖示 Figure	型號 Specification	d (mm)	H (mm)	L (mm)	M (mm)	刀片 Insert	螺絲 Clamp Screw	扳手 Wrench
ST010	BE10.5A	10.5	7	18	M5	TB**06**	M2.0×5×D2.85	T6
ST012	BE12A	12	8	23	M6	TP**08**	M2.2×5×D3.0	T7
ST016	BE14A	14	10	23	M6	TP**08**	M2.2×5×D3.0	T7
	BE16A	16	10	23	M6	TP**08**	M2.2×5×D3.0	T7
	BE18A	18	14	27	M10	TP**08**	M2.2×5×D3.0	T7
	BE20A	20	14	27	M10	TP**09**	M2.5×6×D3.5	T8
	BE22A	22	14	27	M10	TP**09**	M2.5×6×D3.5	T8
	BE24A	24	14	27	M10	TP**09**	M2.5×6×D3.5	T8
	BE26A	26	14	27	M10	TP**09**	M2.5×6×D3.5	T8
	BE28A	28	14	27	M10	TP**09**	M2.5×6×D3.5	T8
	BE30A	30	14	27	M10	TP**09**	M2.5×6×D3.5	T8

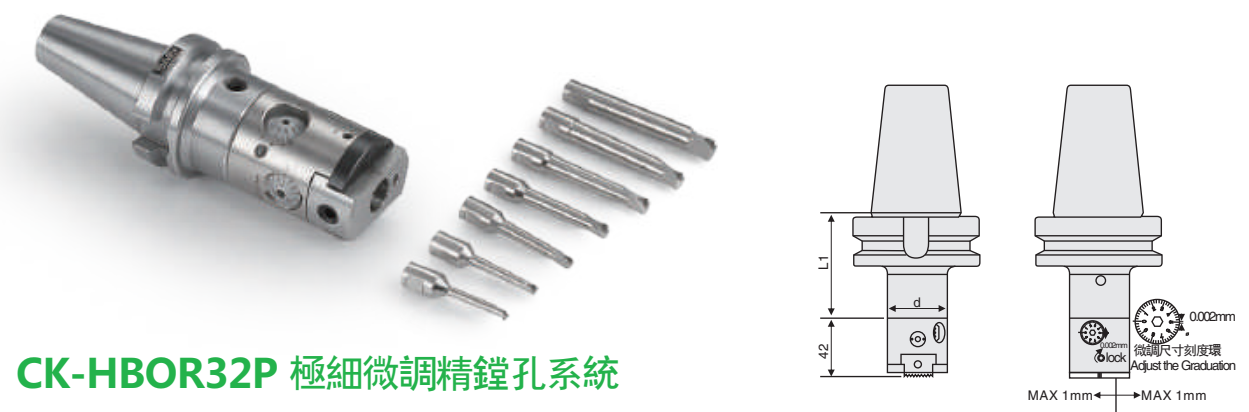
其他內徑規格可定制。



MODULAR BORING CUTTER
CK-HBOR25P 極細微調精鏜孔系統

	型號 Specification	外形尺寸 (mm) Size L1	鏜孔範圍 Boring range	組合刀柄 Modular holder	重量 weight
BT30	-HBOR25P	80	2-7	BT30-CK2-80	0.70
BT40	-HBOR25P	85	2-7	BT40-CK2-85	1.30

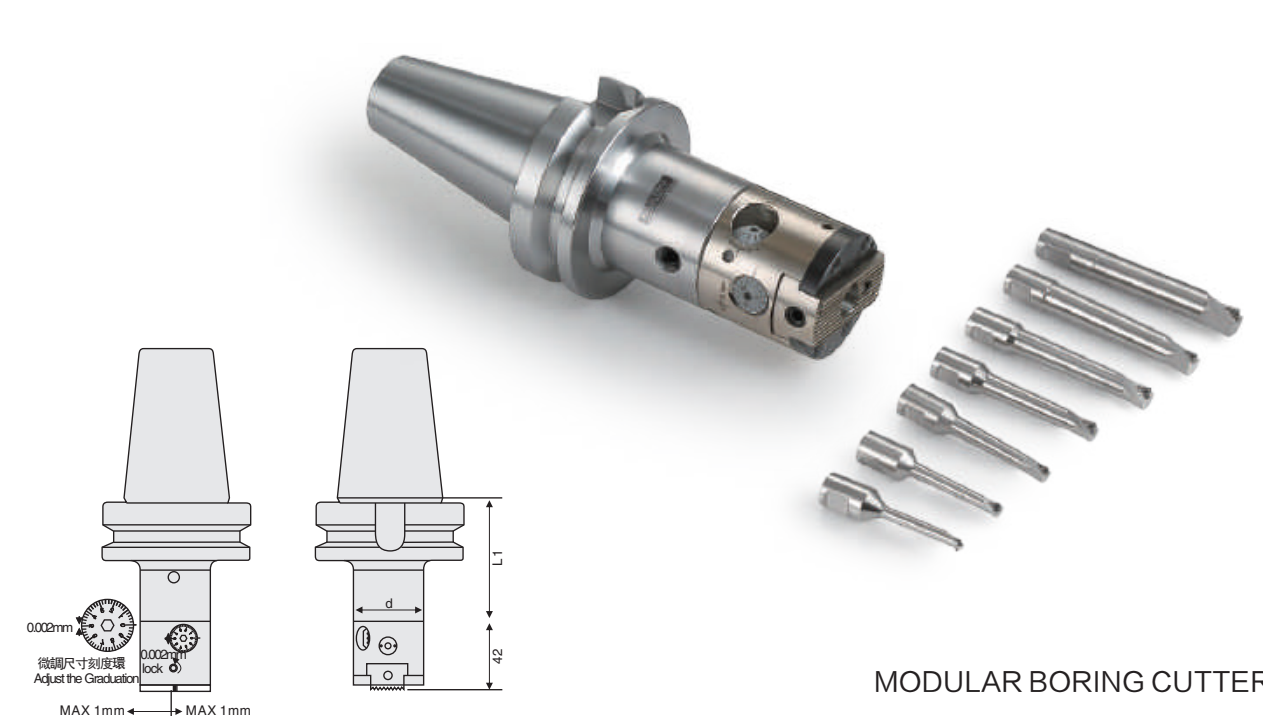
精鏜孔刀桿 Cutting bar	鏜孔範圍 Boring range	深度 DM	重量 weight
CA0602-09	2-3.2	9	0.01
CA0603-16	3-4.2	16	0.01
CA0604-22	4-5.2	22	0.02
CA0605-27	5-6.2	27	0.02
CA0606-32	6-7.2	32	0.02



CK-HBOR32P 極細微調精鏜孔系統

	型號 Specification	外形尺寸 (mm) Size L1	鏜孔範圍 Boring range	組合刀柄 Modular holder	重量 weight
BT30	-HBOR32P	80	2-9	BT30-CK3-80	1.02
BT40	-HBOR32P	95	2-9	BT40-CK3-95	1.61

精鏜孔刀桿 Cutting bar	鏜孔範圍 Boring range	深度 DM	重量 weight
CA0802-9	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-27	5-6.2	27	0.04
CA0806-32	6-7.2	32	0.04
CA0807-37	7-8.2	37	0.04
CA0808-42	8-9.2	42	0.05



MODULAR BORING CUTTER
CK-HBOR40P 極細微調精鏜孔系統

	型號 Specification	外形尺寸 (mm) Size L1	鏜孔範圍 Boring range	組合刀柄 Modular holder	重量 weight
BT30	-HBOR40P	70	2-9	BT30-CK4-70	1.21
BT40	-HBOR40P	85	2-9	BT40-CK4-85	1.61

精鏜孔刀桿 Cutting bar	鏜孔範圍 Boring range	深度 DM	重量 weight
CA0802-09	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-27	5-6.2	27	0.04
CA0806-32	6-7.2	32	0.04
CA0807-37	7-8.2	37	0.04
CA0808-42	8-9.2	42	0.05



CK-HBOR50P 極細微調精鏜孔系統

	型號	外形尺寸(mm) Size	鏜孔範圍	組合刀柄	重量
	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR50P	60	6-90	BT30-CK5-60	8.2
BT40	-HBOR50P	75	6-90	BT40-CK5-75	10.8
BT50	-HBOR50P	105	6-90	BT40-CK5-105	11.3

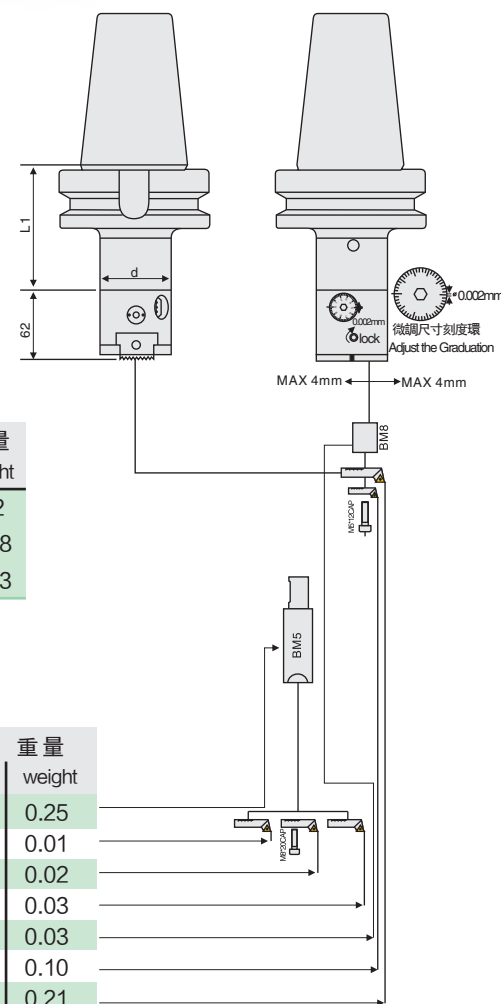
精鏜孔刀桿	鏜孔範圍	深度	刀片	螺絲	扳手	重量
Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BR1606-21	6-9	21	WBG0601..L	M2	T6	0.04
BR1608-28	8-11	28	TBGT0601..L	M2	T6	0.04
BR1610-35	10-13	35	TBGT0601..L	M2	T6	0.05
BR1612-42	12-15	42	TPGH0902..L	M2.5	T8	0.06
BR1614-50	14-17	50	TPGH0902..L	M2.5	T8	0.07
BR1616-60	16-20	60	TPGH0902..L	M2.5	T8	0.09
BR1620-65	20-24	65	TPGH1103..L	M3	T8	0.11
BR1624-68	24-28	68	TPGH1103..L	M3	T8	0.12
BM5		60+SRTP2938 or SRTP3652 or SRTP4468		M5*15	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8		+SRTP5790		M8*20	L6	0.03
SRTP5790	57-90	+20	TPGH1103..L	M3	T8	0.10



MODULAR BORING CUTTER
CK-HBOR63P 極細微調精鏜孔系統

	型號	外形尺寸(mm) Size	鏜孔範圍	組合刀柄	重量
	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR63P	60	6-150	BT40-CK6-60	8.2
BT40	-HBOR63P	65	6-150	BT50-CK6-65	10.8
BT50	-HBOR63P	95	6-150	BT50-CK6-95	11.3

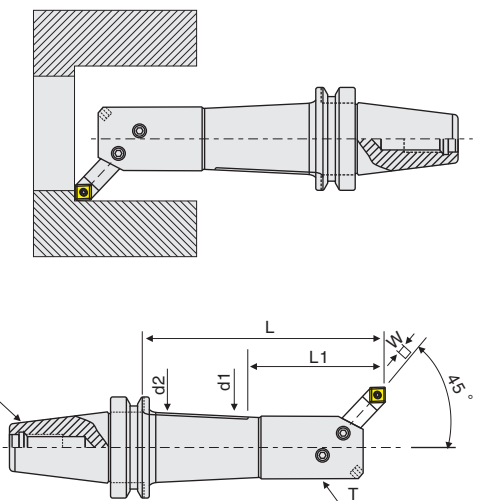
精鏜孔刀桿	鏜孔範圍	深度	刀片	螺絲	扳手	重量
Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BR1606-21	6-9	21	WBG0601..L	M2	T6	0.04
BR1608-28	8-11	28	TBGT0601..L	M2	T6	0.04
BR1610-35	10-13	35	TBGT0601..L	M2	T6	0.05
BR1612-42	12-15	42	TPGH0902..L	M2.5	T8	0.06
BR1614-50	14-17	50	TPGH0902..L	M2.5	T8	0.07
BR1616-60	16-20	60	TPGH0902..L	M2.5	T8	0.09
BR1620-65	20-24	65	TPGH1103..L	M3	T8	0.11
BR1624-68	24-28	68	TPGH1103..L	M3	T8	0.12
BM5		60+SRTP2938 or SRTP3652 or SRTP4468		M5*12	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8		+SRTP5790		M8*20	L6	0.03
SRTP70110	70-110	+20	TPGH1103..L	M3	T8	0.10
SRTP110150	110-150	+20	TPGH1103..L	M3	T8	0.21



CK-HBOR63P 極細微調精鏜孔系統

型號	外形尺寸(mm)Size	鏜孔範圍	組合刀柄	重量
Specification	L1	Boring range	Modular holder	weight
BT30 -HBOR63P	60	29-150	BT40-CK6-60	8.2
BT40 -HBOR63P	65	29-150	BT50-CK6-65	10.8
BT50 -HBOR63P	95	29-150	BT50-CK6-95	11.3

精鏜孔刀桿	鏜孔範圍	深度	刀片	螺絲	扳手	重量
Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BM5			60+SRTP2938 or SRTP3652 or SRTP4468	M5*12	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8			+SRTP70110 or SRTP110150	M8*20	L6	0.03
SRTP70110	70-110	+20	TPGH1103..L	M3	T8	0.10
SRTP110150	110-150	+20	TPGH1103..L	M3	T8	0.21



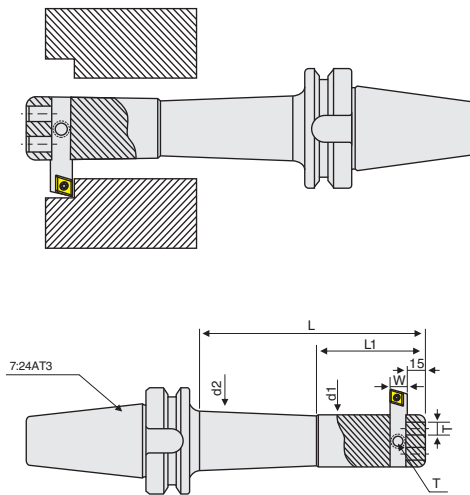
BSA45° ROUGHING BORING BAR

BSA 45度粗鏜孔刀柄

	型號	尺寸 (mm) Size				鏜孔範圍	W	螺絲	重量
	Specification	d1	d2	L1	L	Boring range			
BT40	BSA25-120	20	22	35	90	25-38	8	SM6	1.3
	BSA30-150	24	26	40	120	30-42	8	SM6	1.5
	BSA38-165	30	33	50	135	38-52	10	SM8	1.8
	BSA42-165	34	37	50	135	42-56	10	SM8	2.1
	BSA50-165	40	44	65	135	50-65	13	SM8	2.4
	BSA62-180	50	56	80	150	62-90	16	SM10	2.5
	BSA72-180	60	-	95	150	72-110	19	SM10	4.0
BSA90-180	75	-	-	150	90-125	19	SM10	5.3	
BT50	BSA25-135	20	22	35	92	25-38	8	SM6	4.3
	BSA30-165	24	26	40	122	30-42	8	SM6	4.5
	BSA38-180	30	33	50	137	38-52	10	SM8	4.9
	BSA42-210	34	37	60	167	42-56	10	SM8	5.1
	BSA50-180	40	44	65	137	50-65	13	SM10	5.5
	BSA50-240	40	44	65	197	50-65	13	SM10	5.8
	BSA62-195	50	56	80	152	62-90	16	SM10	6.3
	BSA62-270	50	56	80	227	62-90	16	SM10	7.7
	BSA72-195	60	66	95	152	72-110	19	SM10	7.1
	BSA72-285	60	66	95	242	72-110	19	SM10	9.4
	BSA90-210	75	80	110	267	90-125	19	SM12	9.5
	BSA90-300	75	80	110	257	90-125	19	SM12	12.6
	BSA105-195	90	-	-	152	105-160	25	SM12	11.0
BSA105-285	90	94	130	242	105-160	25	SM12	15.3	

特點/Feature

1. 可選用四角形熔焊刀具或舍弃式刀具
2. 鏜盲孔專用

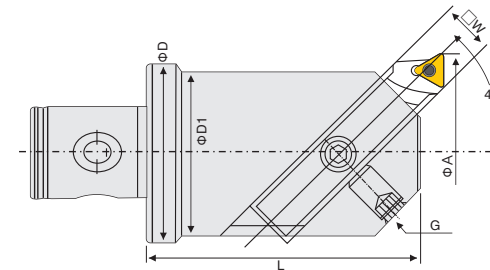


BSB90°ROUGHING BORING BAR
BSB 90度粗鏜孔刀柄

	型號 Specification	尺寸 (mm) Size				鏜孔範圍 Boring range	W	螺絲 Screw	重量 weight
		d1	d2	L1	L				
BT40	BSB25-120	20	22	35	90	25-52	8	SM6	1.3
	BSB38-150	30	33	55	120	38-70	10	SM8	1.8
	BSB50-165	40	44	70	135	50-90	13	SM10	2.6
	BSB62-180	50	56	80	150	62-115	16	SM10	3.7
	BSB90-180	75	-	-	150	90-150	19	SM12	6.0
BT50	BSB25-135	20	22	35	92	25-52	8	SM6	4.5
	BSB38-180	30	33	55	137	38-70	10	SM8	5.1
	BSB50-180	40	44	70	137	50-90	13	SM10	5.7
	BSB50-240	40	44	70	197	50-90	13	SM10	6.0
	BSB62-195	50	56	80	152	62-115	16	SM10	6.7
	BSB62-270	50	56	80	227	62-115	16	SM10	8.1
	BSB72-195	60	66	95	152	72-135	19	SM12	7.6
	BSB72-285	60	66	95	242	72-135	19	SM12	9.9
	BSB90-210	75	80	115	167	90-150	19	SM12	10.0
	BSB90-300	75	80	115	257	90-150	19	SM12	13.1
	BSB105-195	90	90	-	152	105-190	25	SM12	11.7
	BSB105-285	90	94	135	242	105-190	25	SM12	16.0

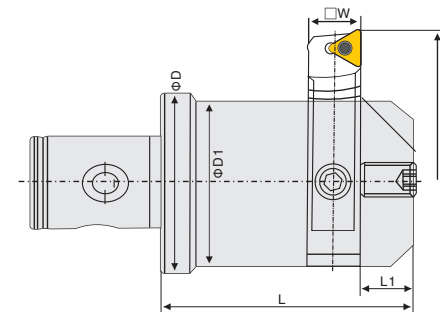
特點/Feature

1. 適用於孔徑凹凸不平，毛坯粗糙之加工物。
2. 可選用四角形熔焊刀具或捨棄式刀具。
3. 適用通孔，背鏜加工。



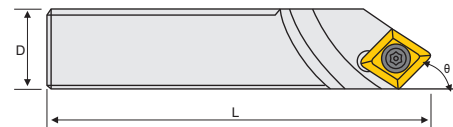
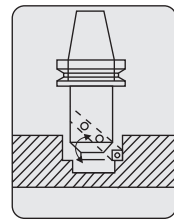
MODULAR BORING CUTTER
BSA 45度斜角型粗搪頭

型號 Specification	鏜孔範圍 Boring Range		尺寸 Size					
	ΦA min	ΦA max	ΦD	ΦD1	L	E	□W	G
BSA30-CK2	Φ30	Φ42	24	24	40	1.6	8	M6×1.00P
BSA38-CK3	Φ38	Φ52	31	60	60	2.6	10	M8×1.25P
BSA50-CK4	Φ50	Φ65	42	40	70	3	13	M10×1.50P
BSA62-CK5	Φ62	Φ90	55	50	85	2	16	M12×1.75P
BSA72-CK6	Φ72	Φ110	63	60	98	2.4	19	M12×1.75P



BSB 90度直角型粗搪頭

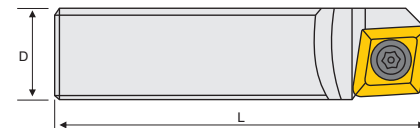
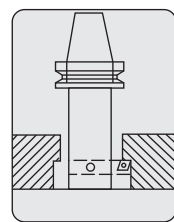
型號 Specification	鏜孔範圍 Boring Range		尺寸 Size					
	ΦA min	ΦA max	ΦD	ΦD1	L	L1	□W	G
BSB25-CK2	Φ26	Φ52	24	20	45	10	8	M6×1.00P
BSB38-CK3	Φ38	Φ70	31	30	55	10	10	M8×1.25P
BSB50-CK4	Φ50	Φ90	42	40	60	10	13	M10×1.50P
BSB62-CK5	Φ62	Φ115	55	50	70	1	16	M12×1.75P
BSB72-CK6	Φ72	Φ135	63	60	85	12	19	M12×1.75P



MODULAR BORING CUTTER

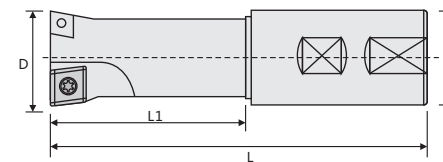
CBS 刀夾

型號 Specification	D	L	角度 Angle	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench
CBS-408	8	50	45°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS-410	10	60	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-413	13	70	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-416	16	100	45°	CCMT0602	M4-10-5.7-60	T15
CBS-419	19	150	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-425	25	150	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-908	8	50	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS-910	10	60	90°	CCMT0602	M4-10-5.7-60	T15
CBS-913	13	70	90°	CCMT09T3	M4-10-5.7-60	T15
CBS-916	16	100	90°	CCMT09T3	M4-10-5.7-60	T15
CBS-919	19	150	90°	CCMT0602	M4-10-5.7-60	T15
CBS-925	25	150	90°	CCMT09T3	M4-10-5.7-60	T15



BSB 直角型搪頭

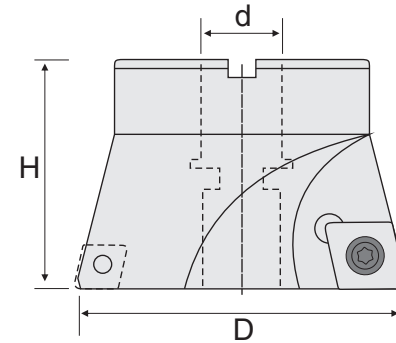
型號 Specification	D	L	角度 Angle	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench
CBS908L	8	50	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS910L	10	60	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS913L	13	70	90°	CCMT09T3	M4-10-5.7-60	T15
CBS916L	16	100	90°	CCMT0602	M4-10-5.7-60	T15
CBS919L	19	150	90°	CCMT09T3	M4-10-5.7-60	T15



固定式粗鏢刀杆

型號 Specification	刀數 No. of flutes	尺寸 Size			
		D	d	L	L1
SB11.7-12-120	1	11.7	16	120	30
SB12.7-13-120	1	12.7	16	120	30
SB13.7-14-120	1	13.7	16	120	30
SB14.7-15-120	1	14.7	16	130	30
SB15.7-16-135	2	15.7	16	135	70
SB16.7-17-135	2	16.7	16	135	70
SB17.7-18-135	2	17.7	16	135	70
SB18.7-19-160	2	18.7	16	160	90
SB19.7-20-160	2	19.7	20	160	90
SB21.7-22-160	2	20.7	20	160	90
SB23.7-24-180	2	23.7	20	180	100
SB24.7-25-190	2	24.7	25	190	110
SB25.7-26-200	2	25.7	25	200	120
SB26.7-27-200	2	26.7	25	200	120
SB27.7-28-200	2	27.7	25	200	120
SB29.7-30-210	2	29.7	25	210	130
SB31.7-32-210	2	31.7	25	210	130
SB34.7-35-250	2	34.7	32	250	150
SB36.7-37-250	2	36.7	32	250	150
SB39.7-40-270	2	39.7	32	270	170
SB41.7-42-250	2	41.7	32	250	150
SB44.7-45-310	2	44.7	32	310	210
SB46.7-47-260	2	46.7	32	260	160
SB49.7-50-260	2	49.7	42	260	160
SB49.7-50-310	2	49.7	42	310	210
SB51.7-52-260	2	51.7	42	260	160
SB54.7-55-330	2	54.7	42	330	230
SB59.7-60-260	2	59.7	42	260	160
SB59.7-60-350	2	59.7	42	350	250

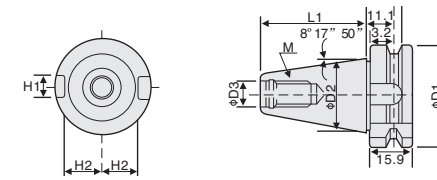
型號 Specification	刀片 Insert	螺釘 Clamp screw	扳手 wrench
SB12-SB20	CCMT060204	M2.5×6	T8
SB22-SB60	CCMT09T308	M4×10	T15



固定式粗搪刀頭

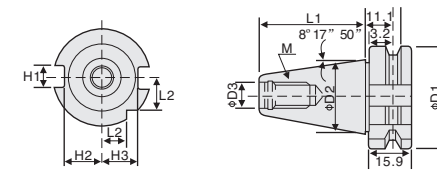
型號 Specification	刀數 No. of flutes	尺寸 Size D	尺寸 Size d	尺寸 Size L1
GC44.7-45-22	2	44.7	22	50
GC49.7-50.22	2	49.7	22	50
GC54.7-55-22	2	54.7	22	50
GC59.7-60-22	2	59.7	22	50
GC61.7-62-22	2	61.7	22	50
GC61.7-62-25.4	2	61.7	25.4	50
GC64.7-65-25.4	2	64.7	25.4	50
GC69.7-70-25.4	2	69.7	25.4	50
GC71.7-72-25.4	2	71.7	25.4	50
GC74.7-75-25.4	2	74.7	25.4	50
GC79.7-80-25.4	2	79.7	25.4	50
GC84.7-85-25.4	2	84.7	25.4	50
GC89.7-90-31.75	2	89.7	31.75	50
GC94.7-95-31.75	2	94.7	31.75	50
GC99.7-100-31.75	2	99.7	31.75	50

型號 Specification	刀片 Insert	螺釘 Clamp screw	扳手 wrench
GC45~100	CCMT09T308	M4×10	T15



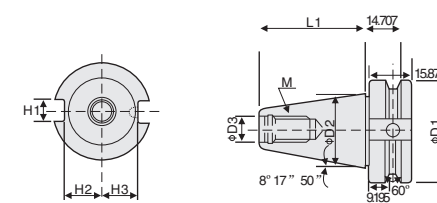
SPECIFICATIONS
BT 錐柄規格尺寸

BT.NO	ΦD1	ΦD2	ΦD3	L1	L2	L3	L4	L5	H1	H2	M
BT30	46	31.75	12.5	48.4	20	2	13.6	8	16.1	16.3	M12
BT40	63	44.45	17	65.4	25	2	16.6	10	16.1	22.6	M16
BT50	100	69.85	25	101.8	35	3	23.2	15	25.7	35.4	M24



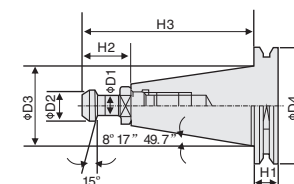
SK 錐柄規格尺寸

SK.NO	ΦD1	ΦD2	ΦD3	L1	L2	H1	H2	H3	M
SK40	63.55	44.45	17	68.4	18.5	16.1	22.8	25	M16
SK50	97.5	69.85	25	101.75	30	25.7	35.5	37.7	M24



CAT 錐柄規格尺寸

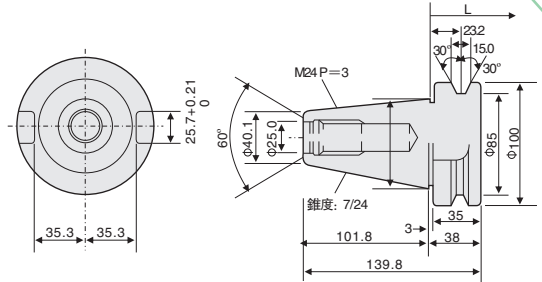
CAT.NO	ΦD1	ΦD2	ΦD3	L1	H1	H2	H3	M
CAT40	63.5	44.45	16.28	68.25	16.28	22.6	25.02	5/8"-11UNC
CAT50	98.43	69.85	26.38	101.6	305.31	35.31	37.72	1"-8UNC



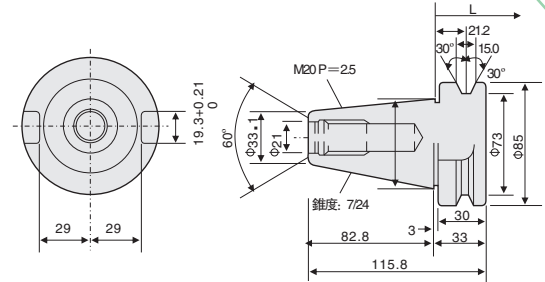
ISO 錐柄規格尺寸

ISO.NO	D1	D2	D3	D4	H1	H2	H3
ISO20	6	9	22.225	33	8	12	45.3
ISO25	7	10	25.4	37	8	16	55.7
ISO30	9	13	31.75	50	15.9	24	71.8

Bt50



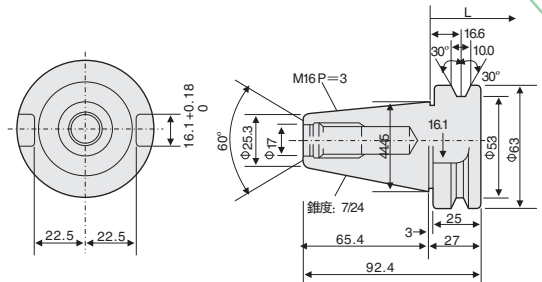
Bt45



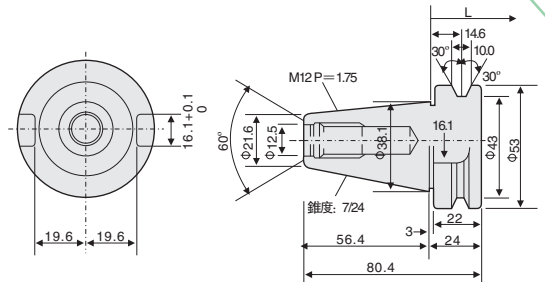
SPECIFICATIONS

NC 工具柄部圖

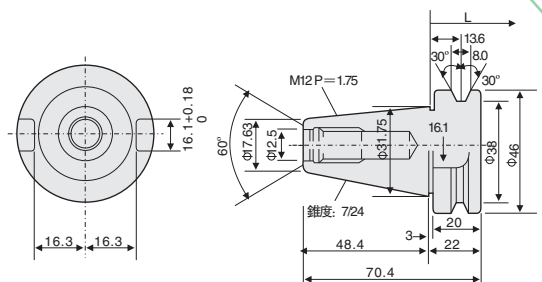
Bt40



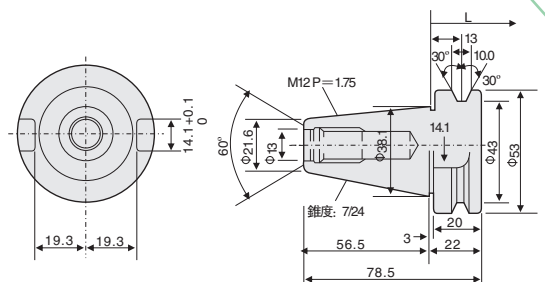
MAS BT



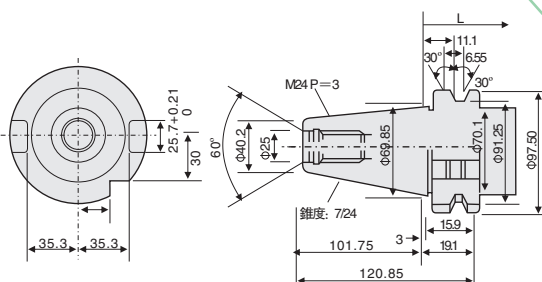
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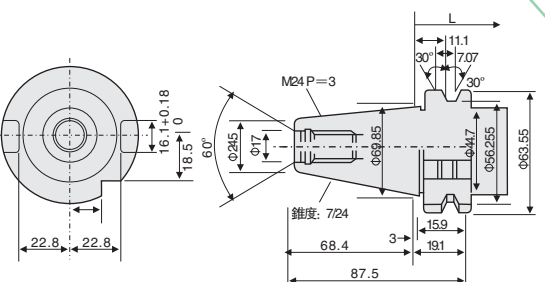
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Sk50



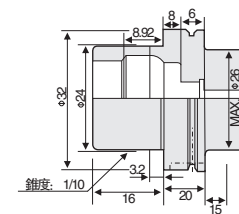
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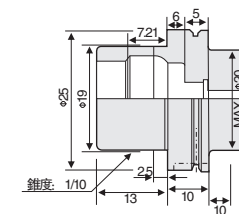
SPECIFICATIONS

HSK 工具柄部圖

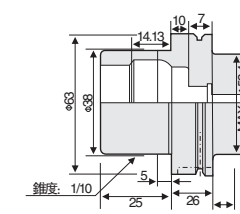
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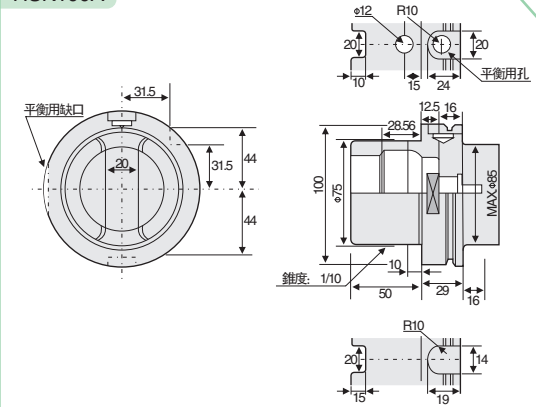
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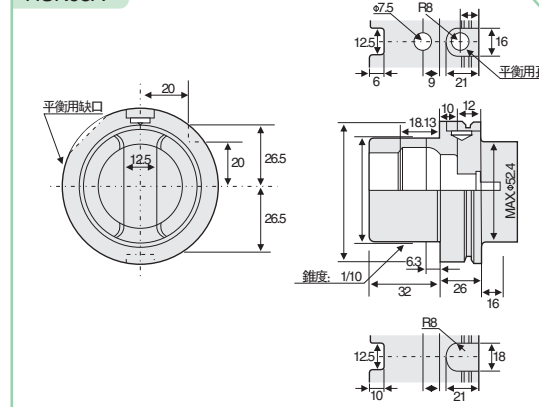
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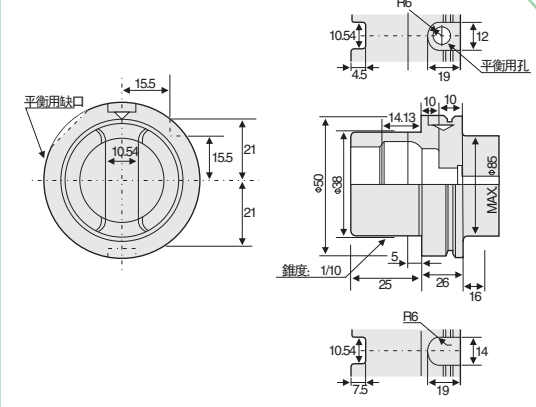
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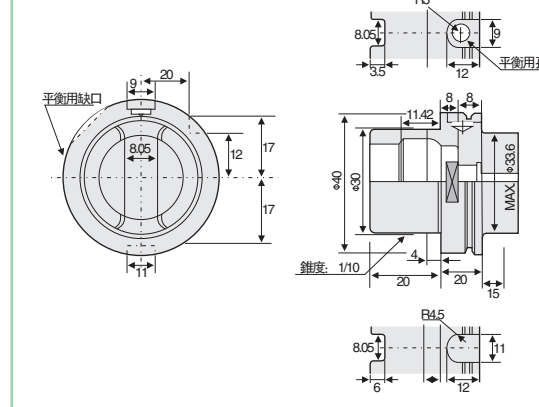
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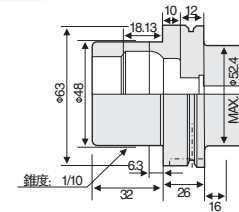
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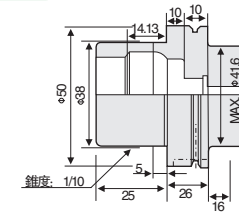
HSK40A



HSK63E



HSK50E



HSK40E

