

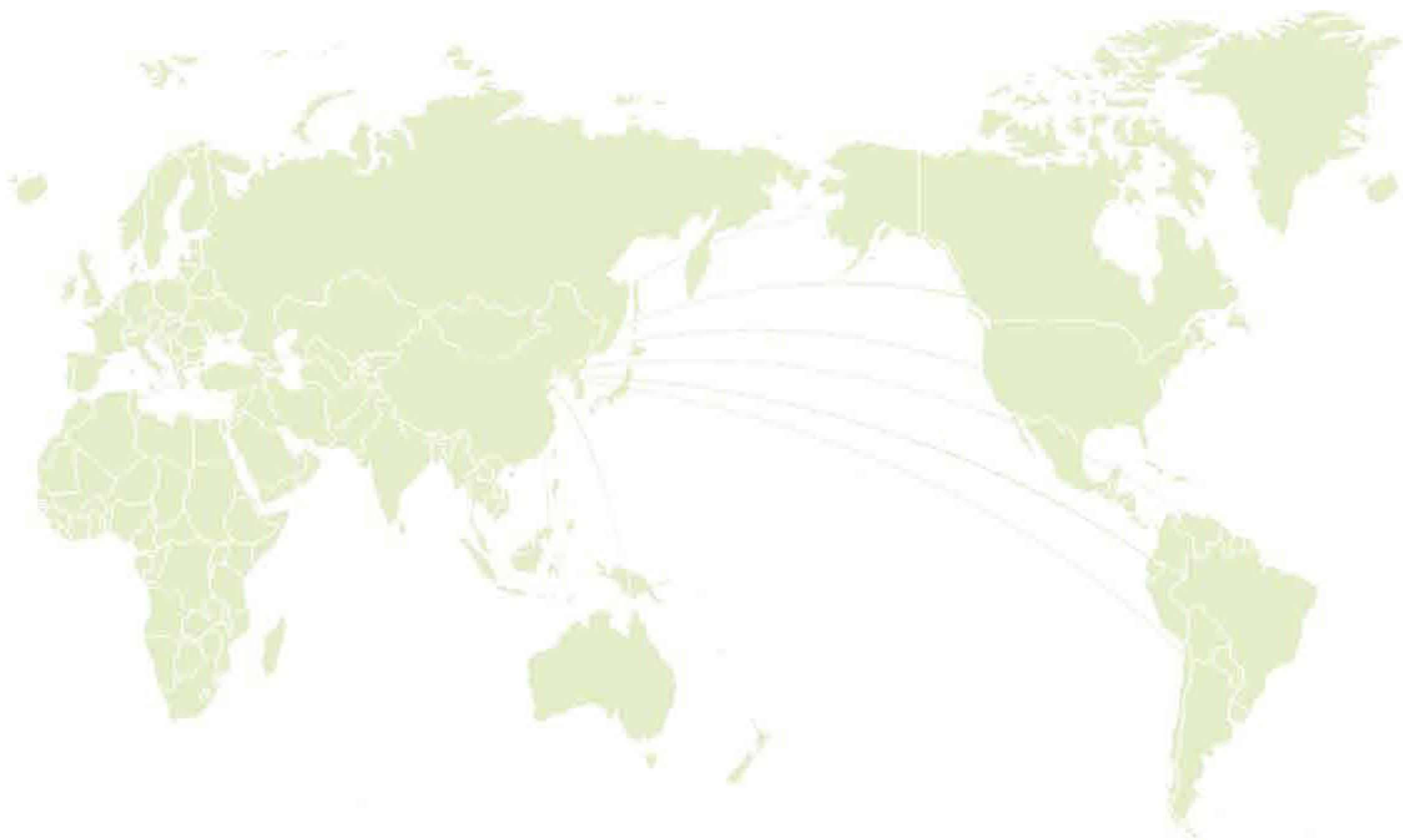
我們保留技術更新，改善權利！
We reserve the right to update and improve the technology!



鏜刀產品目錄
BORING PRODUCT CATALOG

TOOLING SYSTEM

高品質鏜刀，值得您的信賴！



版權所有 翻版必究
關於產品的詳細信息，請您與我司聯系或登錄公司網站。
一切解釋權歸寧遠公司所有

2023 . 3

快速解決客戶的孔加工需求
QUICKLY SOLVE THE CUSTOMER'S HOLE PROCESSING NEEDS

NBH2084鑽頭刀柄 NBH2084 Boring Adapter 04	BT-LBK鑽頭刀柄 BT-LBK Boring Head Bar 05-06	BT/SK/NT-BST鑽頭刀柄 BT/SK/NTBST Boring Heads Bar 06	LBK雙面拘束鑽刀柄 LBK-handle for double-sided boring tool 07-08	CBI系列小徑鉋鋼鑽杆 CBI Series small diameter tungsten steel mast CBI系列專用套筒 CBI series special sleeve 24	NBH2084微調精密鑽孔刀頭 NBH2084 Micro Boring Head 25	SBJ-16微調精密鑽套組合 SBJ-16 Micro Boring Set 26	SBJ/2084鈎鋼刀杆專用套筒 SBJ/2084 Collet For Supre Head Solid Carbide Boring Bar 27
BST雙面拘束鑽刀柄 BST Handle for double-sided boring tool 08	BST鑽頭刀柄 BST Boring Heads Bar 09	HSK-LBK鑽刀柄 HSK-LBK cutter handle 09	SK-LBK鑽刀柄 SK-LBK cutter handle 10	TL抗震鉋鋼刀杆 TL Anti-shank Solid Carbide Boring Bar 27	BE捨棄式鑽頭 BE Throw-away Boring Head 27	TCK整體鉋鋼鑽刀杆 TCK Solid Tungsten Carbide Boring Bar 28	TWE螺紋雙刃粗鑽頭 Double blade coarse boring head for TWE thread 28
C20/C25/C32-LBK直柄刀杆 C20/C25/C32-LBK straight shank cutter 10	莫氏錐柄鑽刀杆 Morse taper shank Arbor 11	NT-LBK鑽刀柄 NT-LBK cutter handle 11	CAT-LBK鑽刀柄 CAT-LBK cutter handle 11	TWE鋸齒式雙刃粗鑽頭 TWE Saw tooth type double edge rough boring head 29	TWE大徑太空鋁雙刃粗鑽頭(減重型) TWE Large diameter space aluminum double-edged rough head (weight reduction) 29	RBH分體式粗鑽孔刀頭 RBH Modular Roughing Boring Head 30	RBH大徑雙刃粗鑽頭 RBH Large Diameter Modular Rough Boring 30
R8-LBK鑽刀柄 R8-LBK cutter handle 12	CK等徑延長接柄 CK equal diameter extension 12	LBK等徑延長接柄 LBK Equal Diameter Extension Adapter 12	LBK異徑轉換接柄(大接小) LBK Reducing Change Adapter (Big To Small) 12	BSA 45° /BSB90° 鑽頭 BSA 45° /BSB90° Boring head 31	BSA45° /BSB90° 粗鑽孔刀杆 BSA45° /BSB90° Roughing Boring Bar 32-33	TBS/CBS捨棄式鑽孔刀杆 TBS/CBS Hole Boring Throw-away Cutting Tools 34	TB雙刃粗鑽刀杆 TB Twin-bit Rough Boring Head RBH 35
H·BOR 極細微調精鑽孔刀 H·BOR Micro-Finishing Cutter Fine Boring System 13	H·BOR 極細微調精鑽孔刀-反擔 H·BOR Micro-Finishing Cutter for Revers Fine Boring Head 13	HBOR鉋鋼刀杆專用套筒 HBOR Special sleeve for tungsten steel tool bar 13	H·BOR 極細微調精鑽孔系統 H·BOR Very fine fine fine boring system 14	TLC固定式雙刃粗鑽頭 TLC Fixed Twin-bit Rough Boring Head 36	導柱沉頭刀 Guide post countersunk tool 36	螺絲沉頭孔鑽刀 Countersunk head screw hole cutter 36	倒角沉頭刀 Chamfering tools head 36
HBOR50極細微調精密鑽孔刀頭 HBOR50 Fine Micro Boring Head 15	HBOR63極細微調精密鑽孔刀頭 HBOR63 Fine Micro Boring Head 16	HBOR63-BM140 Micro Boring Holder 17	MBH/CBH微調精密鑽頭 MBH/CBH Micro Boring Head 18-19	TB雙刃粗鑽連接式刀頭 TB double - edge rough boring connected tool head 36	精鑽頭 Fine boring head 37	微調單元 Fine-tuning unit 38	非標系列 Non-standard series 39-40
CBH大徑太空鋁微調精密鑽頭(減重型) CBH large-diameter space aluminum fine-tuning precision hoe (weight reduction) 20	刀片座 Blade seat 20	CBH-M反鑽頭 CBH-M Counter Boring Head 21	CBR20, CBR30組合式外圓鑽孔組件 (鑽孔範圍ø5-ø52mm) CBR20, CBR30 combined cylindrical bore components (bore range is 5- 52mm) 22	粗精鑽頭切削參數 Cutting parameters of rough boring head 41-46	捨棄式快速鑽頭 TSDx2 Discard Type Quick Drill 47	捨棄式快速鑽頭 TSDx3 Discard Type Quick Drill 48	捨棄式快速鑽頭 TSDx4 Discard Type Quick Drill 49
CBI小徑微調整鑽刀系列(鑽孔範圍ø3-ø50mm) CBI diameter micro adjusting boring cutter series (bore range is 3- 50mm) 23	CBI小徑微調整鑽刀+LBK刀柄 (MAS 403 BT)+小徑鑽刀杆BJ系列 CBI path adjustment fine boring knife handle +LBK (MAS 403 BT) + path BJ series boring bar 23	CBI4專用小徑鑽刀杆 CBI4 special path boring bar 24	CBI5專用小徑鑽刀杆 CBI5 special path boring bar 24	捨棄式快速鑽頭 TSDx5 Discard Type Quick Drill 50	捨棄式快速鑽頭 TSPx2 Discard Type Quick Drill 51	捨棄式快速鑽頭 TSPx3 Discard Type Quick Drill 52	捨棄式快速鑽頭 TSPx4/TSPx5 Discard Type Quick Drill 53-54

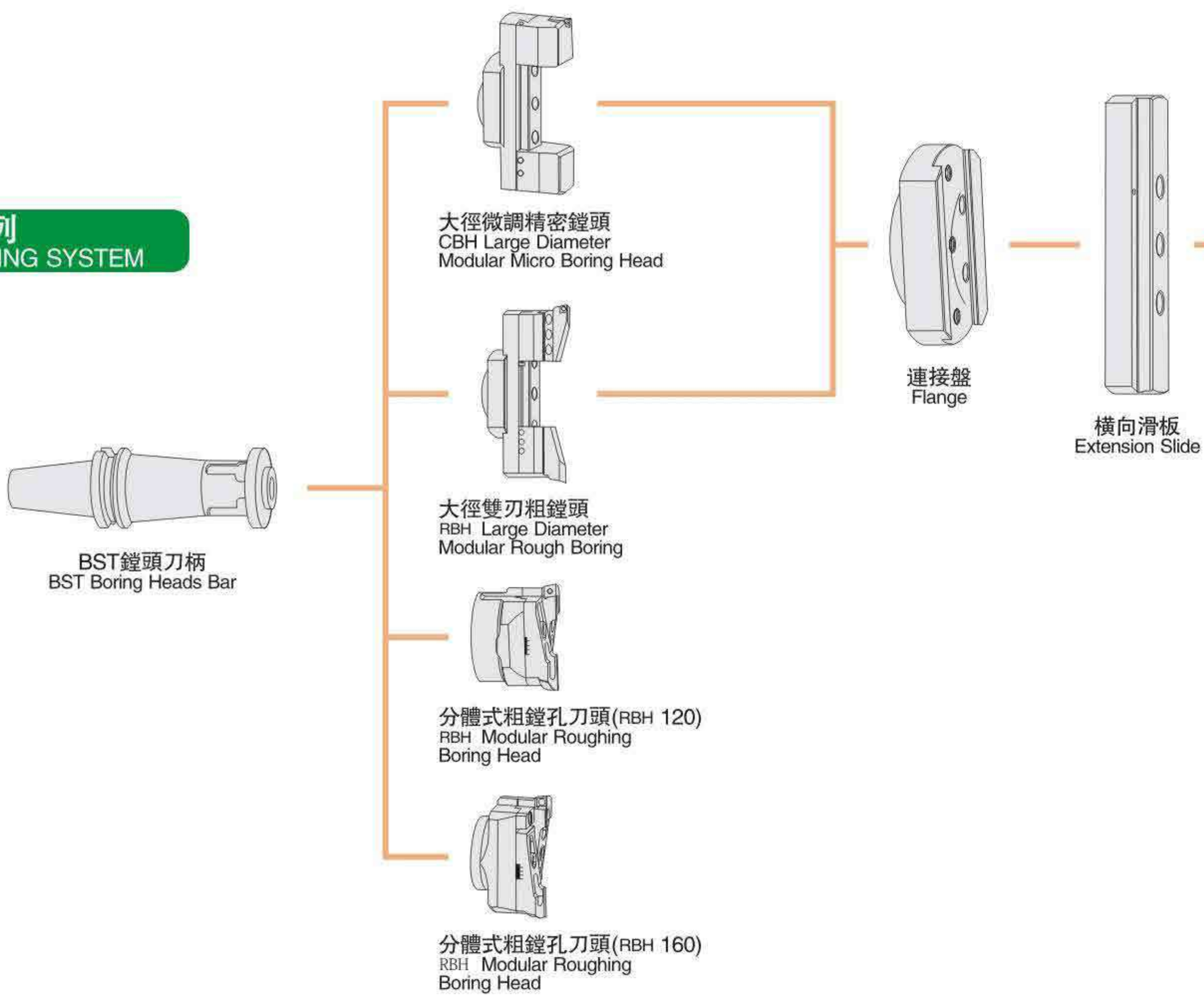
可配用刀片
Inserts

ISO分類 ISO Classification	P	合金鋼 Alloy Steel	●	●	●	●		備注: ● 適用於加工材料 ○ 用於加工材料 ☆ 需訂貨 ★ 常規庫存 Note: ● Suitable for processing materials ○ Used for processing materials ☆ Take orders ★ General stock		
	M	不銹鋼 Stainless Steel	●	●		●				
	K	鑄鐵 Cast Iron		●	●		●			
	N	鋁合金及銅 Aluminum And Copper					●			
	S	高溫合金 Superalloy		●						
	H	高硬度材料 High Hardness Materials		●						
形狀 From	規格 Specification	金屬陶瓷 JSTC	超硬極細 微粒塗層 HF	鍍層超微粒 CHF	鍍層超微粒 CHF	硬質合金 HW	庫存 Stock	適配產品 Adapter Products		
		KY920	TMX26	CK860	MP680	AZC				
	WBG060102	●	●			●	★	SBJ16		
	WBG060104	●	●			●	★	CB14		
	WBG060108L	●	●			●	★	CB15		
	TBGT060102L	●	●	●		●	★	SBJ16		
	TBGT060104L	●	●	●		●	★	NBH2084		
	TBGT060108L	●	●	●		●	★	CB14		
	TPGH080202L	●	●	●		●	★	CBH		
	TPGH080204L	●	●	●		●	★	BE		
	TPGH080208L	●	●	●		●	★			
	TPGH090202L	●	●	●		●	★	SBJ16		
	TPGH090204L	●	●	●		●	★	NBH2084		
	TPGH090208L	●	●	●		●	★	HBOR		
	TPGH110302L	●	●	●		●	★	CB14		
	TPGH110304L	●	●	●		●	★	CB15		
	TPGH110308L	●	●	●		●	★			
	TCGT110202L	●	●	●		●	★	CBH		
	TCGT110204L	●	●	●		●	★			
	TCGT110208L	●	●	●		●	★			
	CCMT060202GX	●		●	●		★	RBH		
	CCMT060204GX	●		●	●		★	TWE		
	CCMT060208GX	●		●	●		★	TB		
	CCGT060202GX					●	★	RBH		
	CCGT060204GX					●	★	TWE		
	CCGT060208GX					●	★	TB		
	CCMT09T302GX	●		●	●		★	RBH		
	CCMT09T304GX	●		●	●		★	TWE		
	CCMT09T308GX	●		●	●		★	TB		
	CCGT09T302GX					●	★	RBH		
	CCGT09T304GX					●	★	TWE		
	CCGT09T308GX					●	★	TB		
	CCMT120404GX	●		●	●		★	RBH		
	CCMT120808GX	●		●	●		★	TWE		
	CCMT120412GX	●		●	●		★	TB		
	CCGT120404GX					●	★	RBH		
	CCGT120808GX					●	★	TWE		
	CCGT120412GX					●	★	TB		

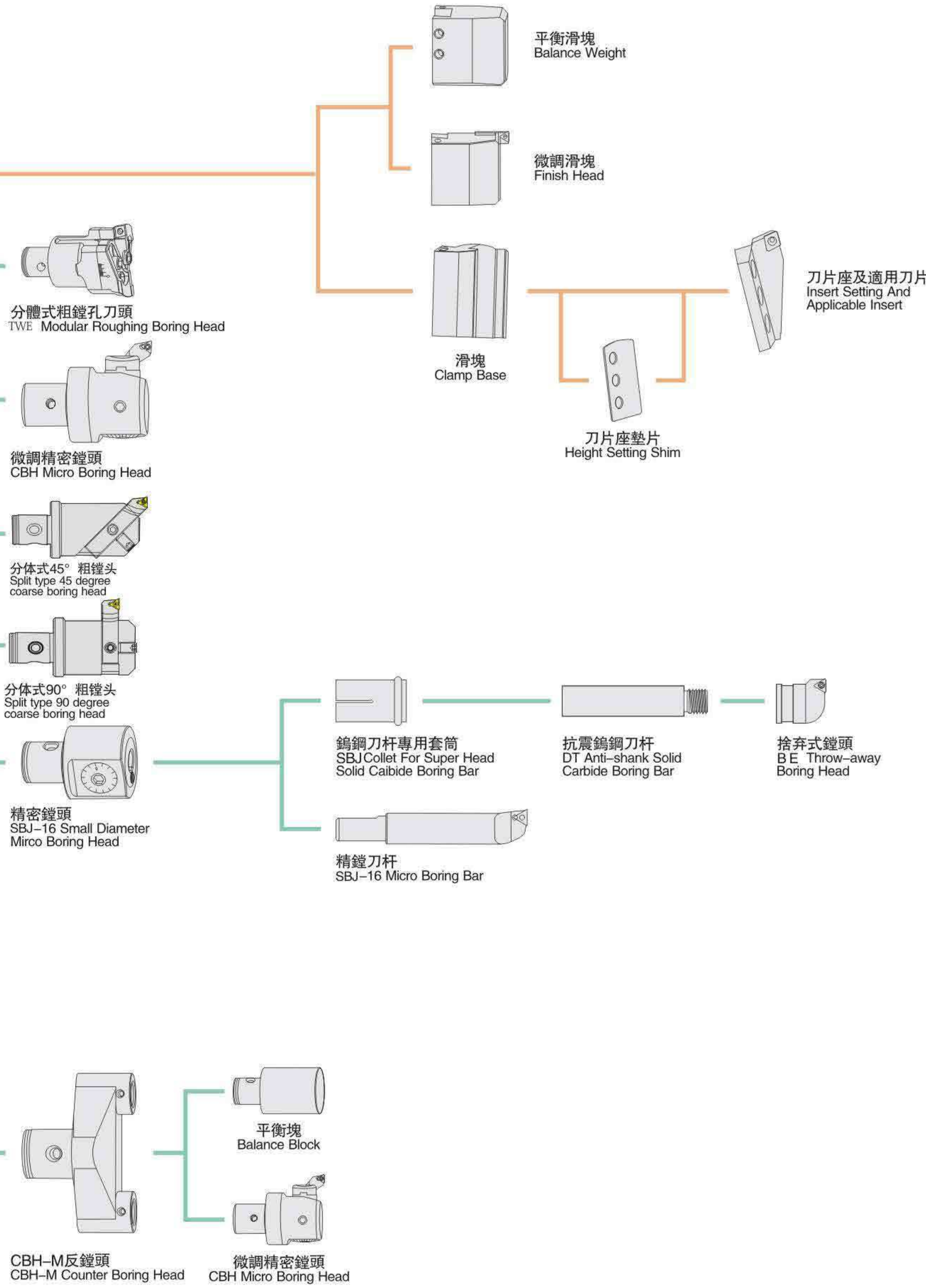
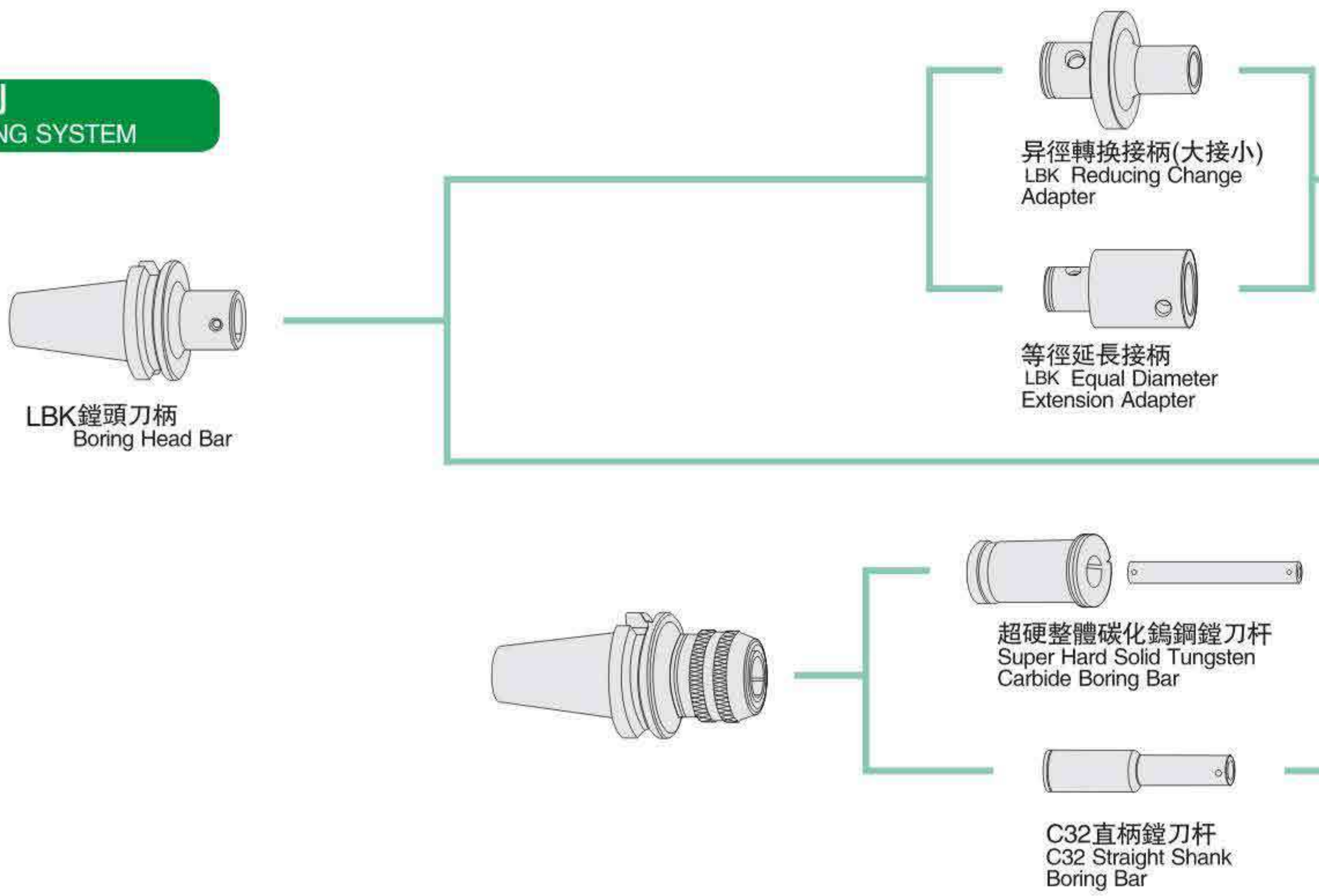
鑽孔刀片
Drilling Inserts

ISO分類 ISO Classification	P	合金鋼 Alloy Steel	●	●	●		備注: ● 適用於加工材料 ◎ 用于加工材料 ☆ 需訂貨 ★ 常規庫存 Note: ● Suitable for processing materials ◎ Used for processing materials ☆ Take orders ★ General stock		
	M	不銹鋼 Stainless Steel	●	●	●				
	K	鑄鐵 Cast Iron	●	●	●				
	N	鋁合金及銅 Aluminum And Copper				●			
	S	高溫合金 Superalloy			●				
	H	高硬度材料 High Hardness Materials			●				
形狀 From	規格 Specification	硬質合金塗層 HC		超硬極細 微粒塗層 CHF	硬質合金 HW	庫存 Stock	適配產品 Adapter Products		
		MPB800	X86	JH20	AZC				
	WCMX030208	●		●		★	TSD		
	WCMX040208	●		●		★			
	WCMX050308	●		●		★			
	WCMX06T308	●		●		★			
	WCMX080412	●		●		★			
	WCGX030208				●	★	TSD		
	WCGX040208				●	★			
	WCGX050308				●	★			
	WCGX06T308				●	★			
	WCGX080412				●	★			
	SPMG050204		●	●		★	TSP		
	SPMG060204		●	●		★			
	SPMG07T308		●	●		★			
	SPMG090408		●	●		★			
	SPMG110408		●	●		★			
	SPMG140512		●	●		★			
	SPGG050204				●	★	TSP		
	SPGG060204				●	★			
	SPGG07T308				●	★			
	SPGG090408				●	★			
	SPGG110408				●	★			
	SPGG140512				●	★			

BST系列
BST BORING SYSTEM

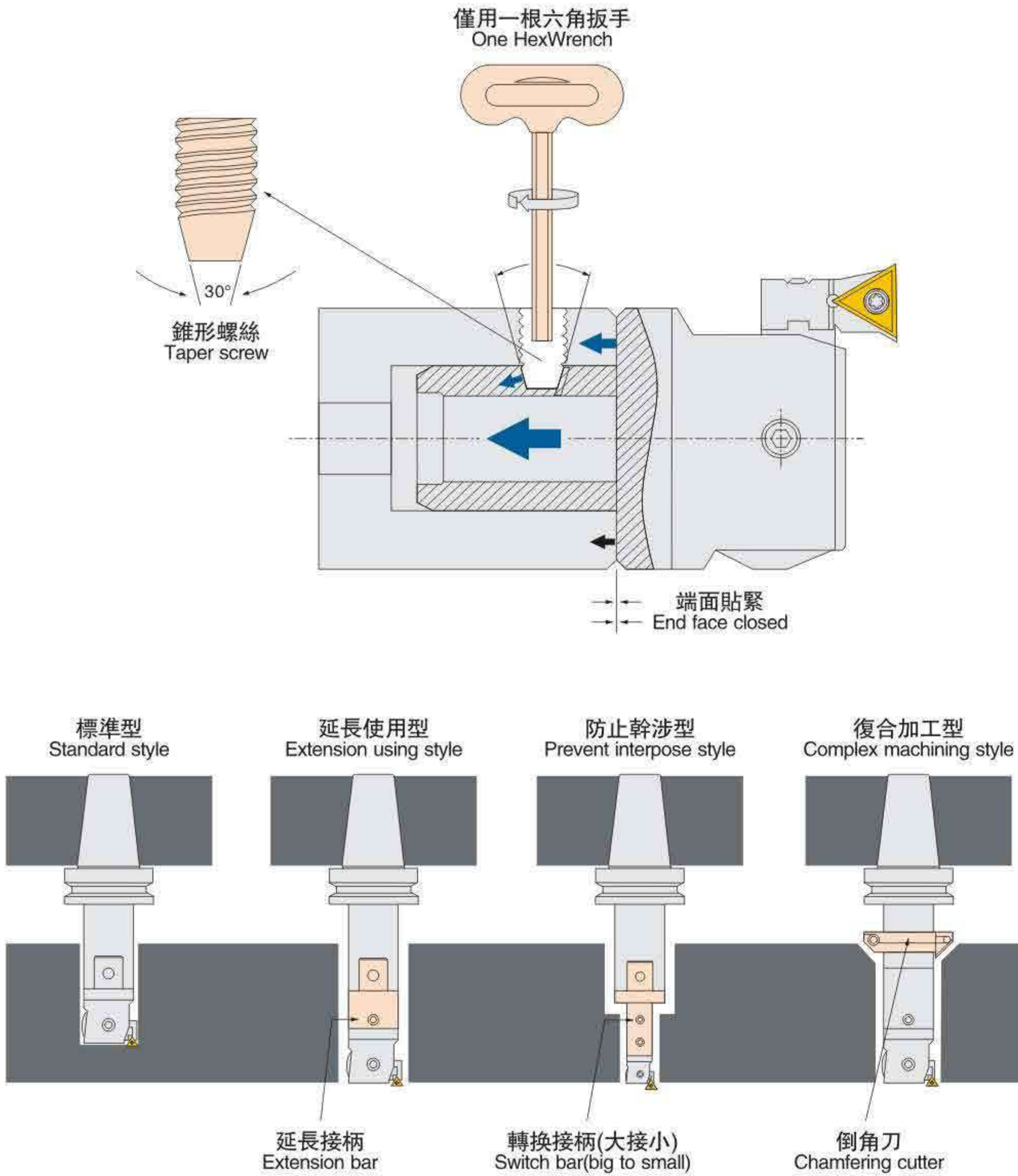


LBK系列
LBK BORING SYSTEM



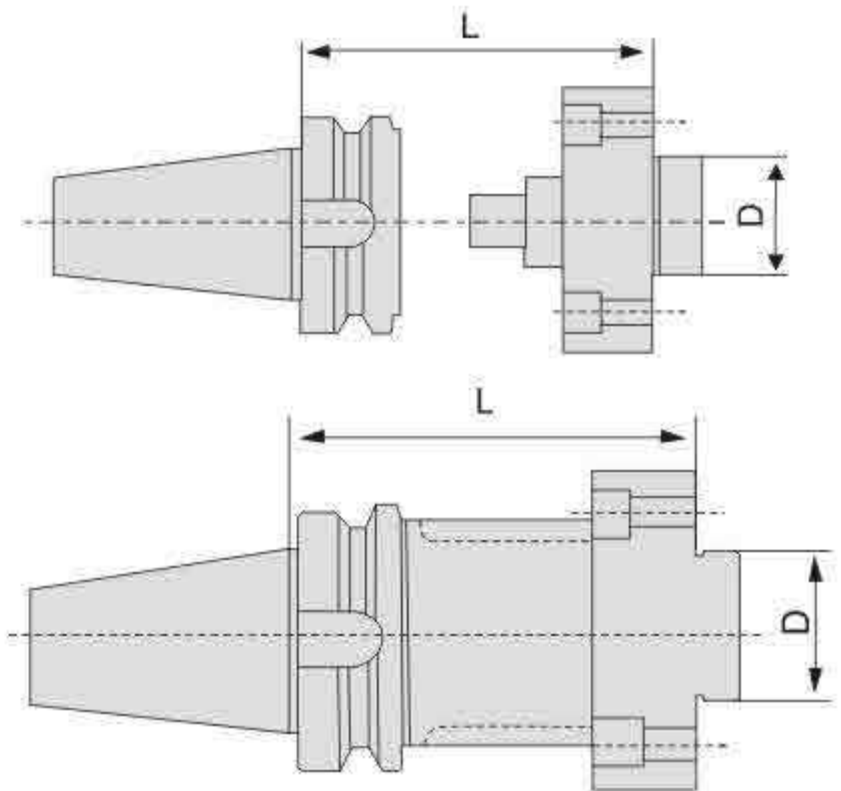
CBH模塊式鏜刀系列
CBH Modular Boring Bar

高精度，強力，操作方便——最理想的連接方式
HIGH PRECISION, BIG POWER AND EASY OPERATION—THE BEST CONNECTION STYLE



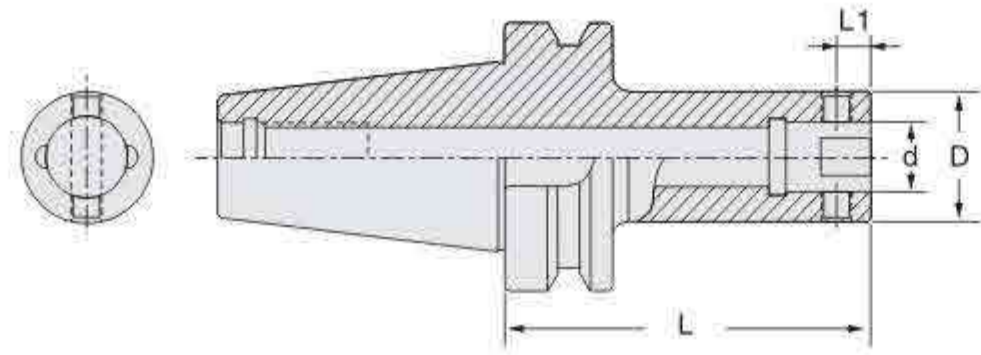
- 1、依靠30度錐形螺絲，把緊固力轉換成軸向拉力，使鏜刀端面與本體端面貼緊。(如圖A)
 - 2、模塊式設計，可以自由設定加工直徑和有效加工深度，配用。轉換接頭(大接小)減少刀具直徑，既可以確保剛性，又可以防止干涉，再配合倒角器可自由組成最合適的鏜削刀具。(如圖B)
 - 3、因鏜頭與本體的連接精度非常高所以祇需對鏜頭單獨對刀，可減輕勞動強度，提高工作效率，降低綜合成本。
1. To change settled force into axial pull with the 30 angle taper screw, so the end face of boring bar and holder touch closely. (Show as chart A)
2. Modular designs can set on machining diameter and available process depth freely and easy for choosing. Reducing the cutter diameter of switch head (size) can not only assure the rigidity but also prevent interpose; then cooperating with chamfering machine, there is the most suitable boring bar in free combination. (Show as chart B)
3. Because the connection precision of boring head and holder is so high that the boring head just need setting cutters alone. Then it can increase the job efficiency, reduce the labor intensity and colligation cost.

NBH2084鏜頭刀柄
NBH2084 Boring Adapter



型號 Model	尺寸 Size(mm)		单价 RMB
	D	L	
NBT30-NBH2084	35	55	400
BT30-NBH2084	35	55	240
BT40-NBH2084	35	45	190
BT50-NBH2084	35	55	380
NT30-NBH2084(M12)	35	55	240
NT40-NBH2084(5/8)	35	25	240
NT40-NBH2084(M16)	35	25	240
NT50-NBH2084(M24)	35	25	480
SK30-NBH2084	35	55	240
SK40-NBH2084	35	55	400
SK50-NBH2084	35	55	480
BBT40-NBH2084	35	45	1000
BBT50-NBH2084	35	55	1400
CAT40-NBH2084	35	55	300
CAT50-NBH2084	35	55	600
HSK63A-NBH2084	35	85	1000
HSK100A-NBH2084	35	90	1400
ISO40-NBH2084	35	45	300
ISO50-NBH2084	35	55	600
C20-NBH2084	35	15	400
C25-NBH2084	35	15	440
C32-NBH2084	35	15	320
C40-NBH2084	35	15	360
C42-NBH2084	35	15	360
R8-NBH2084(7/16)	35	15	240
R8-NBH2084(M12)	35	15	240
BT40-NBH2084-100L	35	100	400
BT40-NBH2084-150L	35	150	600
BT40-NBH2084-200L	35	200	800
BT40-NBH2084-250L	35	250	1000
BT50-NBH2084-100L	35	100	480
BT50-NBH2084-150L	35	150	600
BT50-NBH2084-200L	35	200	800
BT50-NBH2084-250L	35	250	1000
BT50-NBH2084-300L	35	300	1200
BT50-NBH2084-350L	35	350	1400
New! BT50-NBH2084-400L	35	400	1600
New! BT50-NBH2084-450L	35	450	1800
New! BT50-NBH2084-500L	35	500	2000
MT3-NBH2084	35	15	280
MT4-NBH2084	35	15	280
MT5-NBH2084	35	15	340
MT6-NBH2084	35	15	440
MTB3-NBH2084	35	15	280
MTB4-NBH2084	35	15	280
MTB5-NBH2084	35	15	340
MTB6-NBH2084	35	15	440
公制80-NBH2084	35	15	1100
公制120-NBH2084	35	15	1200

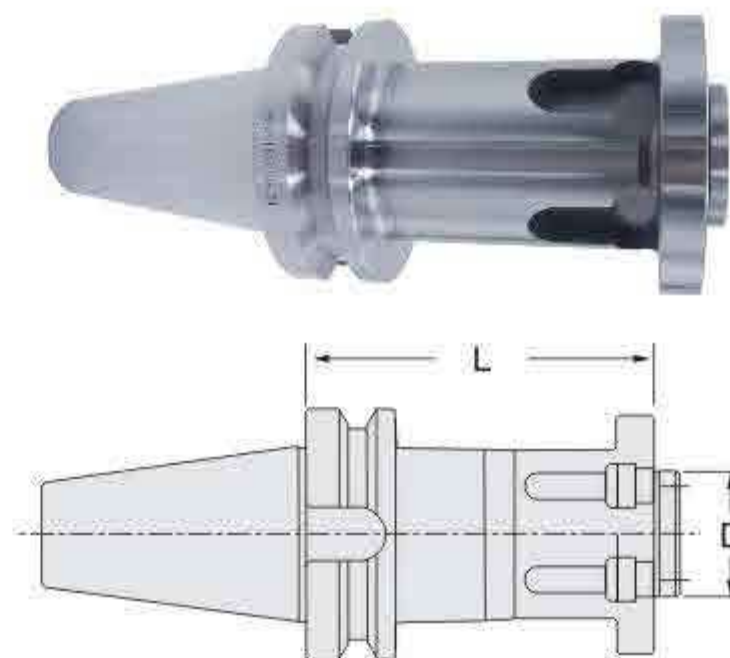
LBK鏜頭刀柄
LBK Boring Head Bar



型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	單價 RMB
	D	d	L ₁	L		
<i>New!</i> BT30 LBK1-40	19	11	5.05	40	SM4	240
LBK1-70	19	11	5.05	70		240
<i>New!</i> LBK1-105	19	11	5.05	105		240
LBK1-150	19	11	5.05	150	SM5	300
LBK2-40	24	14	6.62	40		240
<i>New!</i> BT30 LBK2-80	24	14	6.62	80		140
LBK2-115	24	14	6.62	115	SM5	240
LBK2-150	24	14	6.62	150		300
<i>New!</i> BT30 LBK3-40	31	18	8	40	SM6	240
<i>New!</i> LBK3-70	31	18	8	70		140
LBK3-80	31	18	8	80		140
LBK3-110	31	18	8	110	SM8	240
LBK3-150	31	18	8	150		300
BT30 LBK4-45	39	22	10	45		240
LBK4-70	39	22	10	70	SM8	140
LBK4-115	39	22	10	115		240
LBK4-150	39	22	10	150	SM10	300
<i>New!</i> LBK5-45	50	28	13	45		240
<i>New!</i> LBK5-60	50	28	13	60	SM10	140
LBK5-70	50	28	13	70		140
LBK5-125	50	28	13	125	SM12	240
BT30 LBK6-65	64	36	16	65		140
LBK6-115	64	36	16	115		240
<i>New!</i> BT40 LBK1-40	19	11	5.05	40	SM4	240
LBK1-75	19	11	5.05	75		140
LBK1-105	19	11	5.05	105		160
LBK1-130	19	11	5.05	130	SM4	190
<i>New!</i> LBK1-150	19	11	5.05	150		210
LBK1-165	19	11	5.05	165	SM5	240
LBK1-195	19	11	5.05	195		400
BT40 LBK2-40	24	14	6.62	40		240
LBK2-85	24	14	6.62	85	SM5	140
LBK2-115	24	14	6.62	115		160
<i>New!</i> LBK2-130	24	14	6.62	130		190
LBK2-145	24	14	6.62	145	SM5	210
LBK2-165	24	14	6.62	165		240
LBK2-200	24	14	6.62	200		400
BT40 LBK3-45	31	18	8	45	SM6	240
LBK3-95	31	18	8	95		140
LBK3-125	31	18	8	125		160
LBK3-155	31	18	8	155	SM6	210
<i>New!</i> LBK3-175	31	18	8	175		240
LBK3-185	31	18	8	185	SM6	240
<i>New!</i> LBK3-215	31	18	8	210		400
LBK3-250	31	18	8	250		500
<i>New!</i> LBK3-300	31	18	8	300	SM8	600
BT40 LBK4-45	39	22	10	45		240
LBK4-85	39	22	10	85		140
<i>New!</i> LBK4-100	39	22	10	100	SM8	160
LBK4-115	39	22	10	115		160
LBK4-130	39	22	10	130		190
<i>New!</i> LBK4-150	39	22	10	150	SM8	400
LBK4-155	39	22	10	155		210
LBK4-175	39	22	10	175		240
<i>New!</i> LBK4-205	39	22	10	205	SM10	450
LBK4-220	39	22	10	220		400
LBK4-250	39	22	10	250		500
<i>New!</i> LBK4-300	39	22	10	300	SM10	600
BT40 LBK5-45	50	28	13	45		240
LBK5-75	50	28	13	75	SM10	140
<i>New!</i> LBK5-100	50	28	13	100		160
LBK5-125	50	28	13	125		160
<i>New!</i> LBK5-150	50	28	13	150	SM10	210
LBK5-155	50	28	13	155		210
LBK5-175	50	28	13	175		240
LBK5-205	50	28	13	205	SM10	400
LBK5-235	50	28	13	235		450
<i>New!</i> LBK5-250	50	28	13	250		500
<i>New!</i> LBK5-285	50	28	13	285	SM12	700
BT40 LBK6-45	64	36	16	45		240
<i>New!</i> LBK6-55	64	36	16	55		140
LBK6-65	64	36	16	65	SM12	140
LBK6-115	64	36	16	115		160
LBK6-165	64	36	16	165		240
LBK6-200	64	36	16	200	SM12	400
<i>New!</i> LBK6-225	64	36	16	225		450
LBK6-250	64	36	16	250		500
LBK6-300	64	36	16	300	SM12	700

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	單價 RMB
	D	d	L ₁	L		
<i>New!</i> BT50 LBK1-80	19	11	5.05	80	SM4	400
LBK1-115	19	11	5.05	115		360
LBK1-145	19	11	5.05	145		400
LBK1-175	19	11	5.05	175	SM4	440
LBK1-205	19	11	5.05	205		504
<i>New!</i> BT50 LBK2-50	24	14	6.62	50		400
<i>New!</i> LBK2-95	24	14	6.62	95	SM5	360
LBK2-115	24	14	6.62	115		360
<i>New!</i> LBK2-140	24	14	6.62	140		400
LBK2-145	24	14	6.62	145	SM5	400
LBK2-175	24	14	6.62	175		440
LBK2-205	24	14	6.62	205		504
LBK2-235	24	14	6.62	235	SM5	728
<i>New!</i> BT50 LBK3-55	31	18	8	55		400
<i>New!</i> LBK3-95	31	18	8	95	SM6	360
LBK3-125	31	18	8	125		380
LBK3-135	31	18	8	135		380
LBK3-155	31	18	8	155	SM6	400
LBK3-185	31	18	8	185		440
LBK3-215	31	18	8	215		504
LBK3-255	31	18	8	255	SM6	616
LBL3-300	31	18	8	300		728
LBK3-350	31	18	8	350		1000
<i>New!</i> LBK3-400	31	18	8	400	SM6	1200
<i>New!</i> BT50 LBK4-55	39	22	10	55		400
<i>New!</i> LBK4-90	39	22	10	90	SM8	360
LBK4-115	39	22	10	115		360
LBK4-145	39	22	10	145		400
<i>New!</i> LBK4-175	39	22	10	175	SM8	440
LBK4-205	39	22	10	205		504
LBK4-255	39	22	10	255		616
LBK4-300	39	22	10	300	SM8	728
<i>New!</i> LBK4-350	39	22	10	350		1000
LBK4-400	39	22	10	400		1200
BT50 LBK5-60	50	28	13	60	SM10	400
LBK5-90	50	28	13	90		360
LBK5-105	50	28	13	105		360
LBK5-150	50	28	13	150	SM10	400
LBK5-180	50	28	13	180		440
<i>New!</i> LBK5-205	50	28	13	205		504
LBK5-240	50	28	13	240	SM10	600
<i>New!</i> LBK5-270	50	28	13	270		660
LBK5-300	50	28	13	300		728
LBK5-350	50	28	13	350	SM10	1000
LBK5-400	50	28	13	400		1200
LBK5-450	50	28	13	450		1400
<i>New!</i> LBK5-500	50	28	13	500	SM10	1600
<i>New!</i> BT50 LBK6-65	64	36	16	65		400
LBK6-95	64	36	16	95	SM12	360
LBK6-125	64	36	16	125		380
LBK6-150	64	36	16	150		400
LBK6-170	64	36	16	170	SM12	440
<i>New!</i> LBK6-175	64	36	16	175		440
LBK6-205	64	36	16	205		504
LBK6-230	64	36	16	230	SM12	580
LBK6-270	64	36	16	270		660
LBK6-290	64	36	16	290		660
<i>New!</i> LBK6-300	64	36	16	300	SM12	728
<i>New!</i> LBK6-350	64	36	16	350		728
LBK6-400	64	36	16	400		1000
LBK6-450	64	36	16	450	SM12	1200
LBK6-500	64	36	16	500		1400
LBK6-550	64	36	16	550		1600
LBK6-600	64	36	16	600	SM12	1800
LBK6-650	64	36	16	650		2000
LBK6-700	64	36	16	700		2200
LBK6-750	64	36	16	750	SM12	2400
<i>New!</i> LBK6-800	64	36	16	800		2800

BST鏜頭刀柄
BST Boring Heads Bar

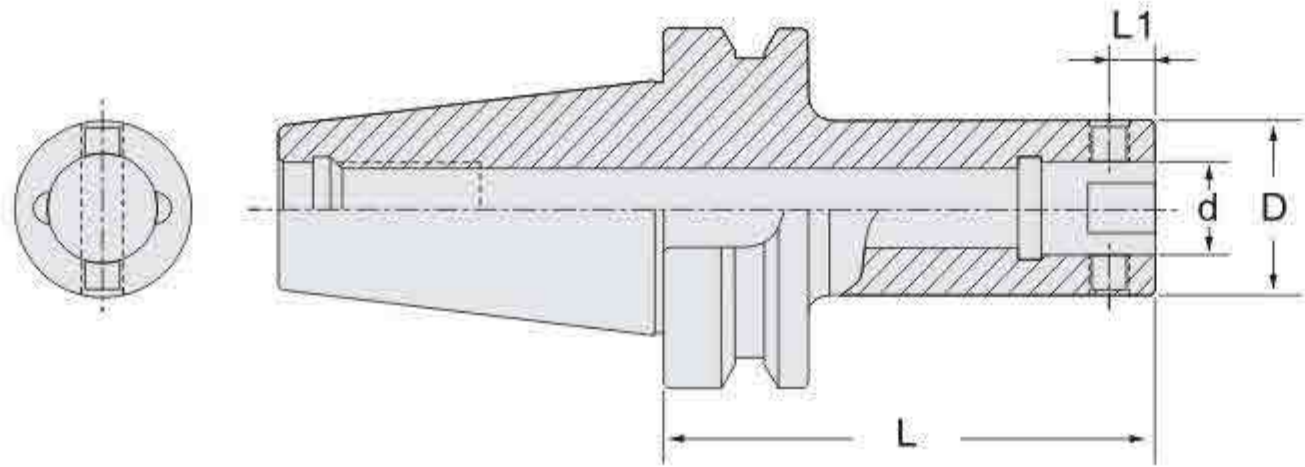


BST粗精鏜孔刀頭基礎柄系列(鏜孔範圍 > Φ 200)
BST Basic holder for roughness and precision boring bar
(Boring range > Φ 200)

型號 Model	尺寸 Size(mm)		單價 RMB
	D	L	
<i>New!</i> BT40-BST-70	50	70	600
BT40-BST-100		100	440
BT40-BST-150		150	520
BT40-BST-200		200	700
BT50-BST-100		100	440
BT50-BST-150		150	520
BT50-BST-200		200	560
<i>New!</i> BT50-BST-225-BG		225	700
BT50-BST-250		250	700
<i>New!</i> BT50-BST-275-BG		275	800
BT50-BST-300		300	800
<i>New!</i> BT50-BST-325-BG		325	950
BT50-BST-350	50	350	900
<i>New!</i> BT50-BST-375-BG		375	1100
BT50-BST-400		400	1000
<i>New!</i> BT50-BST-425-BG		425	1300
BT50-BST-450		450	1300
<i>New!</i> BT50-BST-475-BG		475	1600

型號 Model	尺寸 Size(mm)		單價 RMB
	D	L	
BT50-BST-500	50	500	1600
<i>New!</i> BT50-BST-550		550	1800
<i>New!</i> BT50-BST-600		600	2000
<i>New!</i> BT50-BST-650		650	2200
SK40-BST-100		100	600
SK40-BST-150		150	800
SK50-BST-100		100	600
SK50-BST-150		150	800
SK50-BST-200		200	1000
SK50-BST-250		250	1200
SK50-BST-300		300	1400
NT50-BST-100		100	600
NT50-BST-150		150	800
<i>New!</i> NT50-BST-200-BG		200	1000
<i>New!</i> NT50-BST-250-BG		250	1200
<i>New!</i> NT50-BST-300-BG		300	1400
CAT50-BST-100	100	1200	
<i>New!</i> DAT50-BST-100	100	1200	

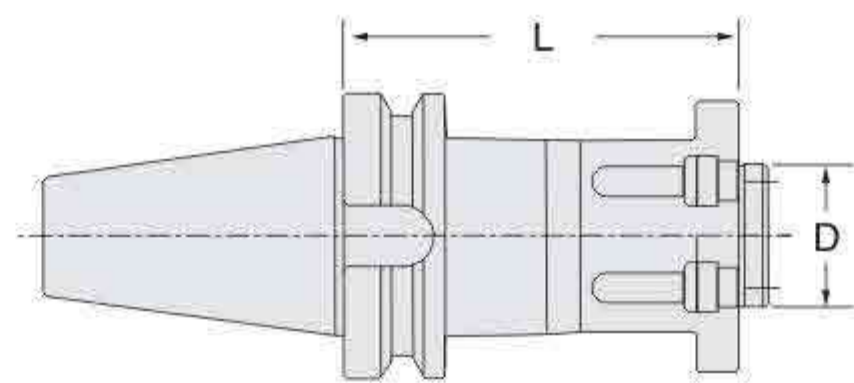
LBK雙面拘束鏜刀柄
LBK Handle for double-sided boring tool



型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
BBT30 LBK1-70	19	11	5.05	70	SM4	-
LBK1-105	19	11	5.05	105		-
LBK2-80	24	14	6.62	80		-
LBK2-115	24	14	6.62	115	SM5	-
LBK3-80	31	18	8	80	SM6	-
LBK3-110	31	18	8	110		-
LBK4-70	39	22	10	70	SM8	-
LBK4-115	39	22	10	115		-
LBK5-70	50	28	13	70	SM10	-
LBK5-130	50	28	13	130		-
LBK6-60	64	36	16	60	SM12	-
LBL6-125	64	36	16	125		-
BBT40 LBK1-75	19	11	5.05	75	SM4	-
LBK1-105	19	11	5.05	105		-
LBK1-130	19	11	5.05	130		-
LBK1-165	19	11	5.05	165		-
LBK1-195	19	11	5.05	195		-
BBT40 LBK2-85	24	14	6.62	85	SM5	-
LBK2-115	24	14	6.62	115		-
LBK2-130	24	14	6.62	130		-
LBK2-165	24	14	6.62	165		-
LBK2-200	24	14	6.62	200		-
BBT40 LBK3-95	31	18	8	95	SM6	-
LBK3-125	31	18	8	125		-
LBK3-155	31	18	8	155		-
LBK3-210	31	18	8	210		-
BBT40 LBK4-85	39	22	10	85	SM8	-
LBK4-115	39	22	10	115		-
LBK4-150	39	22	10	150		-
LBK4-175	39	22	10	175		-
BBT40 LBK5-75	50	28	13	75	SM10	-
LBK5-125	50	28	13	125		-
LBK5-175	50	28	13	175		-
LBK5-235	50	28	13	235		-
BBT40 LBK6-65	64	36	16	65	SM12	-
LBK6-115	64	36	16	115		-
LBK6-165	64	36	16	165		-
LBK6-200	64	36	16	200		-
BBT50 LBK1-115	19	11	5.05	115	SM4	-
LBK1-145	19	11	5.05	145		-
LBK1-175	19	11	5.05	175		-
LBK1-200	19	11	5.05	200		-
BBT50 LBK2-110	24	14	6.62	110	SM5	-
LBK2-140	24	14	6.62	140		-
LBK2-175	24	14	6.62	175		-
LBK2-235	24	14	6.62	235		-

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
BBT50 LBK3-125	31	18	8	125	SM6	-
LBK3-155	31	18	8	155		-
LBK3-185	31	18	8	185		-
LBK3-215	31	18	8	215		-
LBK3-255	31	18	8	255		-
LBL3-290	31	18	8	290		-
BBT50 LBK3-350	31	18	8	350	SM8	-
LBK4-115	39	22	10	115		-
LBK4-145	39	22	10	145		-
LBK4-175	39	22	10	175		-
LBK4-205	39	22	10	205		-
LBK4-255	39	22	10	255		-
BBT50 LBK4-305	39	22	10	305	SM10	-
LBK4-355	39	22	10	355		-
LBK5-105	50	28	13	105		-
LBK5-180	50	28	13	180		-
LBK5-240	50	28	13	240		-
LBK5-300	50	28	13	300		-
BBT50 LBK5-350	50	28	13	350	SM12	-
LBK6-95	64	36	16	95		-
LBK6-140	64	36	16	140		-
LBK6-170	64	36	16	170		-
LBK6-230	64	36	16	230		-
LBK6-290	64	36	16	290		-
LBK6-350	64	36	16	350		-
LBK6-400	64	36	16	400		-
LBK6-450	64	36	16	450		-
LBK6-500	64	36	16	500		-
LBK6-550	64	36	16	550		-
LBK6-600	64	36	16	600		-
LBK6-650	64	36	16	650		-
LBK6-700	64	36	16	700		-

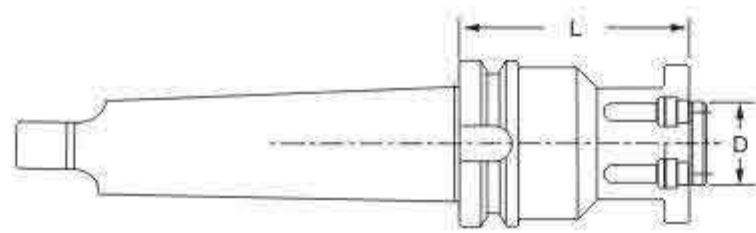
BST雙面拘束鏜刀柄
BST Handle for double-sided boring tool



型號 Model	尺寸 Size(mm)		单价 RMB
	D	L	
BBT40-BST-70	50	70	-
BBT40-BST-100		100	-
BBT40-BST-150		150	-
BBT40-BST-200		200	-
BBT50-BST-100		100	-
BBT50-BST-150		150	-
BBT50-BST-200		200	-
BBT50-BST-250		250	-
BBT50-BST-300		300	-
BBT50-BST-350		350	-
BBT50-BST-400		400	-
BBT50-BST-450		450	-
BBT50-BST-500		500	-

BST粗精鏜孔刀頭基礎柄系列(鏜孔範圍 > Φ200)
BST Basic holder for roughness and precision boring bar (Boring range > Φ 200)

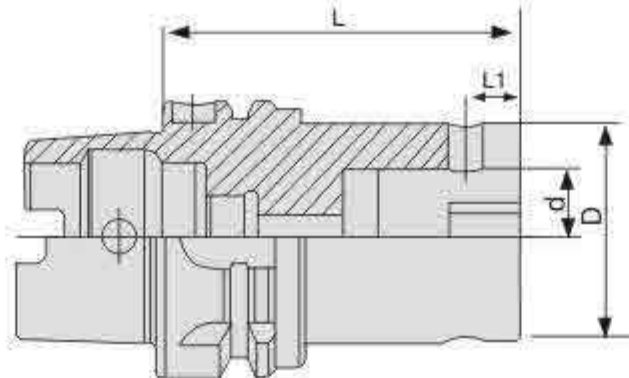
BST鏢頭刀柄
BST Boring Heads Bar



型號 Model	尺寸 Size(mm)			单价 RMB
	D	L		
MTA4-BST-100	50	100		600
MTA5-BST-100		100		600
MTA6-BST-100		100		800
New! MTA6-BST-150		150		1000
New! MTA6-BST-200		200		1200
New! MTA6-BST-250		250		1400
New! MTA6-BST-300		300		1600
New! MTA6-BST-350		350		1800
New! MTA6-BST-400		400		2000
New! MTA6-BST-450		450		2200
New! MTB4-BST-100		100		1000

型號 Model	尺寸 Size(mm)			单价 RMB
	D	L		
New! MTB5-BST-100	50	100		1200
New! MTB6-BST-100		100		1400
New! HSK63A-BST-100		100		1000
New! HSK63A-BST-150		150		1200
New! HSK100A-BST-100		100		1800
New! HSK100A-BST-150		150		2000
New! HSK100A-BST-200-BG		200		2200
New! HSK100A-BST-250-BG		250		2400
New! HSK100A-BST-300-BG		300		2600

HSK鏢刀柄
HSK cutter handle



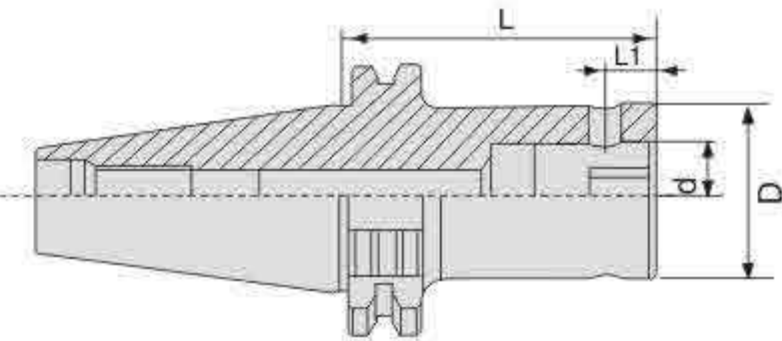
型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
New! HSK40A-LBK4-45	39	22	10	45	SM8	1000
New! HSK40E-LBK4-45	39	22	10	45	SM8	1000
HSK50A-LBK1-70	19	11	5.05	70	SM4	800
HSK50A-LBK2-80	24	14	6.62	80	SM5	800
HSK50A-LBK3-80	31	18	8	80	SM6	800

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
HSK50A-LBK4-70	39	22	10	70	SM8	800
HSK50A-LBK5-70	50	28	13	70	SM10	800
HSK50A-LBK6-90	64	36	16	90	SM12	800
New! HSK63F-LBK6-65	64	36	16	65	SM12	800

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
HSK63A-LBK1-75	19	11	5.05	75	SM4	360
HSK63A-LBK1-110	19	11	5.05	110		400
HSK63A-LBK1-135	19	11	5.05	135		460
HSK63A-LBK1-165	19	11	5.05	165		520
New! HSK63A-LBK1-195	19	11	5.05	195	SM5	1000
HSK63A-LBK2-85	24	14	6.62	85		360
HSK63A-LBK2-115	24	14	6.62	115		400
HSK63A-LBK2-130	24	14	6.62	130		460
HSK63A-LBK2-165	24	14	6.62	165	SM6	520
HSK63A-LBK3-100	31	18	8	100		360
HSK63A-LBK3-125	31	18	8	125		460
HSK63A-LBK3-155	31	18	8	155		520
New! HSK63A-LBK3-185	31	18	8	185	SM8	900
HSK63A-LBK4-85	39	22	10	85		360
HSK63A-LBK4-130	39	22	10	130		460
HSK63A-LBK4-175	39	22	10	175		560
New! HSK63A-LBK4-205	39	22	10	205	SM10	1000
HSK63A-LBK5-75	50	28	13	75		360
HSK63A-LBK5-130	50	28	13	130		460
HSK63A-LBK5-180	50	28	13	180		560
New! HSK63A-LBK5-205	50	28	13	205	SM12	1000
HSK63A-LBK6-70	64	36	16	70		360
HSK63A-LBK6-115	64	36	16	115		400
HSK63A-LBK6-165	64	36	16	165		560
HSK63A-LBK6-205	64	36	16	205		1000

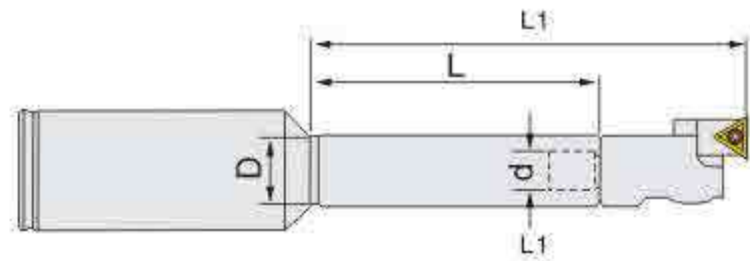
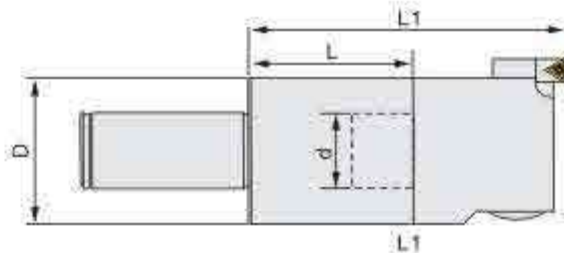
型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L		
HSK100A-LBK1-115	19	11	5.05	115	SM4	900
HSK100A-LBK1-145	19	11	5.05	145		1020
HSK100A-LBK2-110	24	14	6.62	110		900
HSK100A-LBK2-140	24	14	6.62	140		1020
HSK100A-LBK2-175	24	14	6.62	175	SM5	1140
HSK100A-LBK3-125	31	18	8	125		900
HSK100A-LBK3-155	31	18	8	155		1020
HSK100A-LBK3-185	31	18	8	185		1140
HSK100A-LBK3-215	31	18	8	215	SM6	1260
HSK100A-LBK4-115	39	22	10	115		900
HSK100A-LBK4-160	39	22	10	160		1140
HSK100A-LBK4-205	39	22	10	205		1260
HSK100A-LBK5-105	50	28	13	105	SM8	900
HSK100A-LBK5-180	50	28	13	180		1140
HSK100A-LBK5-240	50	28	13	240		1300
HSK100A-LBK6-95	64	36	16	95		900
HSK100A-LBK6-170	64	36	16	170	SM10	1140
HSK100A-LBK6-230	64	36	16	230		1300
HSK100A-LBK6-290	64	36	16	290		1420

SK鏢刀柄
SK cutter handle



型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB	型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L				D	d	L ₁	L		
New! SK30-LBK1-50	19	11	5.05	50	SM4	240	New! SK50-LBK2-145	24	14	6.62	145	SM5	700
New! SK30-LBK2-50	24	14	6.62	50	SM5	240	New! SK50-LBK3-125	31	18	8	125	SM6	600
New! SK30-LBK3-65	31	18	8	65	SM6	240	New! SK50-LBK3-155	31	18	8	155	SM6	700
New! SK30-LBK4-65	39	22	10	65	SM8	240	New! SK50-LBK3-185	31	18	8	185	SM6	800
New! SK30-LBK5-65	50	28	13	65	SM10	240	New! SK50-LBK4-115	39	22	10	115	SM8	600
New! SK30-LBK6-65	64	36	16	65	SM12	240	New! SK50-LBK4-145	39	22	10	145	SM8	700
New! SK40-LBK1-75	19	11	5.05	75	SM4	240	SK50-LBK4-170	39	22	10	170	SM8	800
SK40-LBK1-105	19	11	5.05	105	SM4	240	New! SK50-LBK4-175	39	22	10	175	SM8	800
New! SK40-LBK2-85	24	14	6.62	85	SM5	240	New! SK50-LBK4-205	39	22	10	205	SM8	1000
SK40-LBK2-115	24	14	6.62	115	SM5	240	New! SK50-LBK4-210	39	22	10	210	SM8	1100
New! SK40-LBK3-95	31	18	8	95	SM6	240	SK50-LBK5-125	50	28	13	125	SM10	600
SK40-LBK3-125	31	18	8	125	SM6	240	SK50-LBK5-180	50	28	13	180	SM10	800
New! SK40-LBK4-85	39	22	10	85	SM8	240	SK50-LBK5-240	50	28	13	240	SM10	1100
SK40-LBK4-130	39	22	10	130	SM8	240	SK50-LBK6-95	64	36	16	95	SM12	600
New! SK40-LBK5-75	50	28	13	75	SM10	240	SK50-LBK6-170	64	36	16	170	SM12	800
SK40-LBK5-125	50	28	13	125	SM10	240	New! SK50-LBK6-205	64	36	16	205	SM12	1000
New! SK40-LBK6-65	64	36	16	65	SM12	240	SK50-LBK6-230	64	36	16	230	SM12	1100
SK40-LBK6-115	64	36	16	115	SM12	240	New! SK50-LBK6-250	64	36	16	250	SM12	1300
SK50-LBK1-105	19	11	5.05	105	SM4	600	SK50-LBK6-290	64	36	16	290	SM12	1500
SK50-LBK2-115	24	14	6.62	115	SM5	600	SK50-LBK6-350	64	36	16	350	SM12	1800

C20直柄刀杆
C20 straight shank cutter



型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB	型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L				D	d	L ₁	L		
C20-LBK1-75	19	11	107.5	75	SM4	300	C20-LBK4-60	39	22	117	60	SM8	300
C20-LBK2-70	24	14	155.5	70	SM5	300	C20-LBK4-110	39	22	157	110	SM8	340
C20-LBK2-120	24	14	155.5	120	SM5	340	C20-LBK5-60	50	28	117	60	SM10	300
C20-LBK3-70	31	18	110	70	SM6	300	C20-LBK5-120	50	28	177	120	SM10	340
C20-LBK3-120	31	18	110	120	SM6	340	C20-LBK6-60	64	36	131	60	SM12	300
							C20-LBK6-120	64	36	191	120	SM12	340

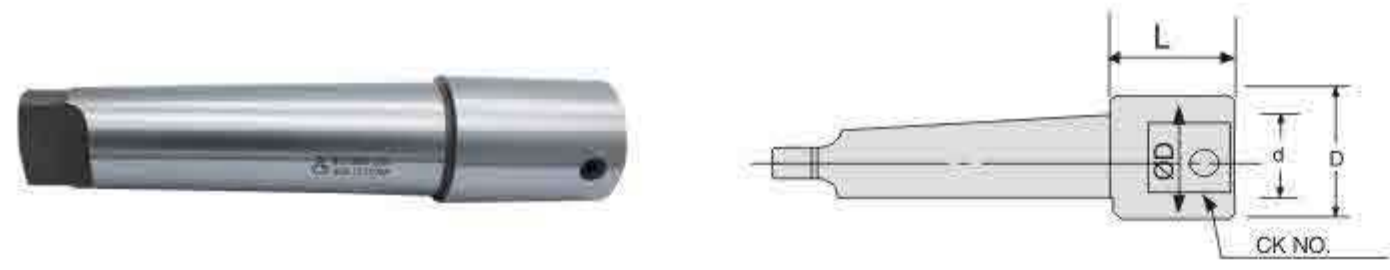
C25直柄刀杆
C25straight shank cutter

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB	型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L				D	d	L ₁	L		
C25-LBK1-75	19	11	107.5	75	SM4	300	C25-LBK4-60	39	22	157	60	SM8	300
C25-LBK2-70	24	14	155.5	70	SM5	300	C25-LBK4-110	39	22	157	110	SM8	340
C25-LBK2-120	24	14	155.5	120	SM5	340	C25-LBK5-60	50	28	117	60	SM10	300
C25-LBK3-70	31	18	110	70	SM6	300	C25-LBK5-120	50	28	177	120	SM10	340
C25-LBK3-120	31	18	110	120	SM6	340	C25-LBK6-60	64	36	131	60	SM12	300
C25-LBK4-40	39	22	117	40	SM8	300	C25-LBK6-120	64	36	191	120	SM12	340

C32直柄刀杆
C32 straight shank cutter

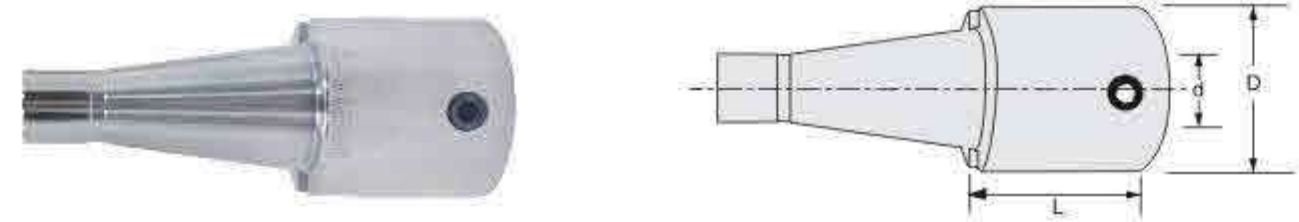
型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB	型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	单价 RMB
	D	d	L ₁	L				D	d	L ₁	L		
C32-LBK1-75	19	11	107.5	75	SM4	300	C32-LBK4-60	39	22	117	60	SM8	300
C32-LBK2-70	24	14	155.5	70	SM5	300	C32-LBK4-110	39	22	157	110	SM8	340
C32-LBK2-120	24	14	155.5	120	SM5	340	C32-LBK5-60	50	28	117	60	SM10	300
C32-LBK3-70	31	18	110	70	SM6	300	C32-LBK5-120	50	28	177	120	SM10	340
C32-LBK3-120	31	18	110	120	SM6	340	C32-LBK6-60	64	36	131	60	SM12	300
							C32-LBK6-120	64	36	191	120	SM12	340

莫式錐柄鏢刀杆
Morse taper shank Arbor



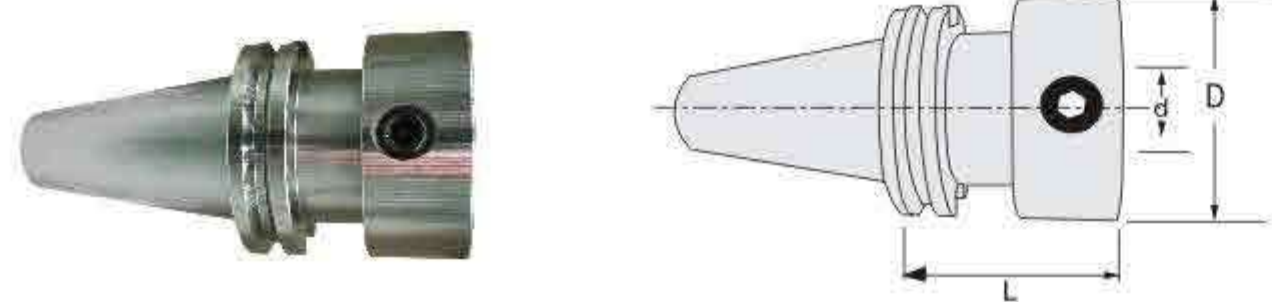
型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB	型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB
	D	d	L				D	d	L		
MTA3-LBK1-70	19	11	70	SM4	240	MTA5-LBK6-95	64	36	95	SM12	360
MTA3-LBK2-80	24	14	80	SM5	240	New! MTA5-LBK6-150	64	36	150	SM12	460
MTA3-LBK3-80	31	18	80	SM6	240	New! MTA5-LBK6-200	64	36	200	SM12	600
MTA3-LBK4-85	39	22	85	SM8	240	New! MTA6-LBK1-145	24	14	145	SM5	800
MTA3-LBK5-95	50	28	95	SM10	240	MTA6-LBK2-140	24	14	140	SM5	800
MTA3-LBK6-65	64	36	65	SM12	240	MTA6-LBK3-155	31	18	155	SM6	800
New! MTB3-LBK6-65	64	36	65	SM12	300	New! MTA6-LBK3-200	31	18	200	SM6	760
MTA4-LBK1-75	19	11	75	SM4	280	MTA6-LBK4-145	39	22	145	SM10	800
MTA4-LBK2-85	24	14	85	SM5	280	MTA6-LBK4-200	39	22	200	SM10	860
MTA4-LBK3-95	31	18	95	SM6	280	New! MTA6-LBK4-300	39	22	300	SM10	1100
MTA4-LBK4-85	39	22	85	SM8	280	MTA6-LBK5-150	50	28	150	SM12	600
MTA4-LBK5-75	50	28	75	SM10	280	New! MTA6-LBK5-200	50	28	200	SM12	860
MTA4-LBK6-65	64	36	65	SM12	280	New! MTA6-LBK5-300	50	28	300	SM12	1100
New! MTB4-LBK6-50	64	36	50	SM12	300	MTA6-LBK6-100	64	36	100	SM12	480
MTA5-LBK1-100	19	11	100	SM4	360	MTA6-LBK6-170	64	36	170	SM12	700
MTA5-LBK2-100	24	14	100	SM4	360	MTA6-LBK6-230	64	36	230	SM12	900
MTA5-LBK3-100	31	18	100	SM6	360	MTA6-LBK6-290	64	36	290	SM12	1100
MTA5-LBK4-100	39	22	100	SM8	360	MTA6-LBK6-350	64	36	350	SM12	1300
MTA5-LBK5-100	50	28	100	SM10	360	MTA6-LBK6-400	64	36	400	SM12	1500

NT-LBK鏢刀柄(公制牙)
NT-LBK cutter handle



型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB	型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB
	D	d	L				D	d	L		
NT30-LBK1-50	19	11	50	SM4	240	NT40-LBK6-65	64	36	65	SM8	240
NT30-LBK2-50	24	14	50	SM5	240	NT40-LBK6-65(英制)	64	36	65	SM8	240
NT30-LBK3-65	31	18	65	SM5	240	NT50-LBK1-105	19	11	105	SM4	480
NT30-LBK4-65	39	22	65	SM6	240	NT50-LBK2-115	24	14	115	SM5	480
NT30-LBK5-65	50	28	65	SM6	240	NT50-LBK3-125	31	18	125	SM6	480
NT30-LBK6-65(M12)	64	36	65	SM8	240	NT50-LBK4-115	39	22	115	SM8	480
NT40-LBK1-75	19	11	75	SM4	240	NT50-LBK5-105	50	28	105	SM10	480
NT40-LBK2-75	24	14	75	SM5	240	NT50-LBK6-95	64	36	95	SM12	480
NT40-LBK3-85	31	18	85	SM5	240	NT50-LBK6-170	64	36	170	SM12	800
NT40-LBK4-95	39	22	95	SM6	240	NT50-LBK6-230	64	36	230	SM12	1100
NT40-LBK5-85	50	28	85	SM6	240	NT50-LBK6-290	64	36	290	SM12	1500

CAT-LBK鏢刀柄
CAT-LBK cutter handle

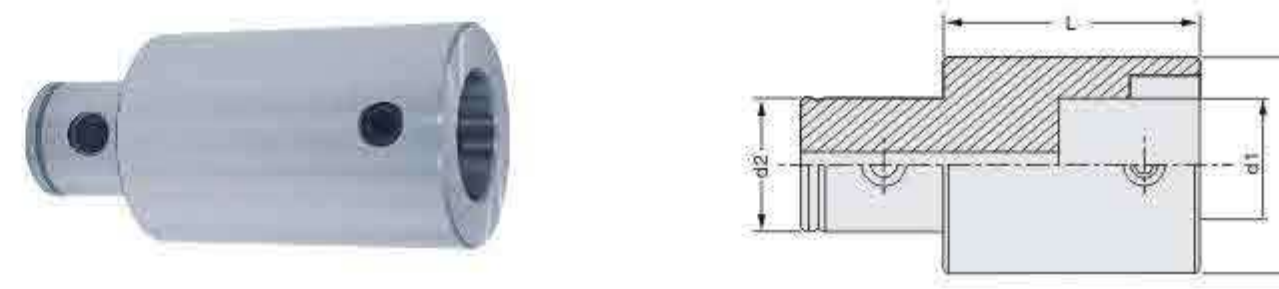


型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB	型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB
	D	d	L				D	d	L		
CAT40-LBK1-75	19	11	75	SM4	400	CAT50-LBK1-115	24	14	115	SM4	600
CAT40-LBK2-85	24	14	85	SM5	400	CAT50-LBK2-110	31	18	110	SM5	600
CAT40-LBK3-95	31	18	95	SM5	400	CAT50-LBK3-125	39	22	125	SM6	600
CAT40-LBK4-85	39	22	85	SM6	400	CAT50-LBK4-115	50	28	115	SM8	600
CAT40-LBK5-75	50	28	75	SM6	400	CAT50-LBK5-105	64	36	105	SM10	600
CAT40-LBK6-65	64	36	65	SM8	400	CAT50-LBK6-95	64	36	95	SM12	600

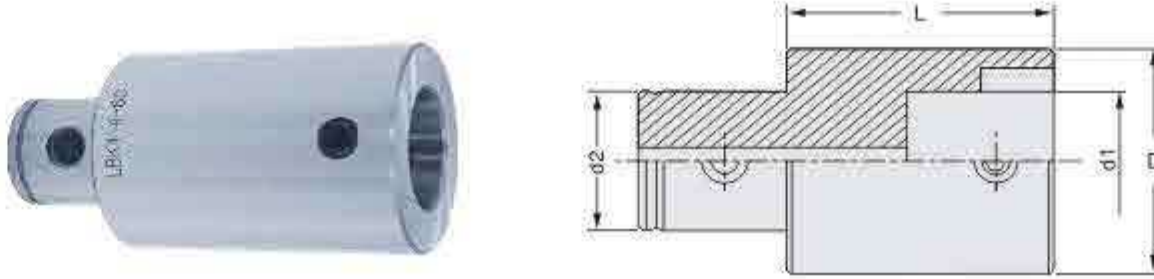
R8-LBK鏢刀柄
R8-LBK cutter handle



CK等徑延長接柄
CK equal diameter extension



LBK等徑延長接柄
LBK Equal Diameter Extension Adapter

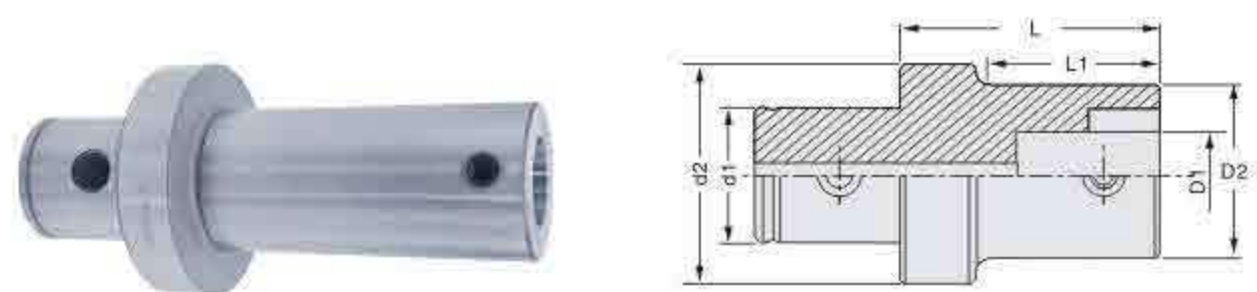


型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	單價 RMB
	D	d1	d2	L		
LBK 1-1-30	19	11	11	30	SM4	70
1-1-45	19	11	11	45	SM4	80
1-1-60	19	11	11	60	SM4	80
2-2-30	24	14	14	30	SM5	70
2-2-45	24	14	14	45	SM5	80
2-2-60	24	14	14	60	SM5	80
3-3-30	31	18	18	30	SM6	80
3-3-45	31	18	18	45	SM6	100
3-3-60	31	18	18	60	SM6	110
3-3-100	31	18	18	100	SM6	150
4-4-30	39	22	22	30	SM8	80
4-4-45	39	22	22	45	SM8	80
4-4-60	39	22	22	60	SM8	110
New! 4-4-100	39	22	22	100	SM8	150
4-4-180	39	22	22	180	SM8	400
5-5-60	50	28	28	60	SM10	120
5-5-100	50	28	28	100	SM10	140
New! 5-5-120	50	28	28	120	SM10	180
5-5-180	50	28	28	180	SM10	400
6-6-60	64	36	36	60	SM12	130
6-6-100	64	36	36	100	SM12	140
New! 6-6-120	64	36	36	120	SM12	180
6-6-180	64	36	36	180	SM12	400

型號 Model	尺寸 Size(mm)			側固錐度螺絲 Screw	單價 RMB
	D	d	L		
New! R8-LBK1-50	19	11	50	SM4	240
New! R8-LBK2-45	24	14	45	SM5	240
New! R8-LBK3-50	31	18	50	SM5	240
New! R8-LBK4-50	39	22	50	SM6	240
R8-LBK5-75	50	28	75	SM6	240
New! R8-LBK6-65(公制)	64	36	65	SM8	240
New! R8-LBK6-65(英制)	64	36	65	SM8	240

型號 Model	尺寸 Size(mm)				側固錐度螺絲 Screw	單價 RMB
	D	d1	d2	L		
CK1-1-30	19	11	11	30	SM4	200
CK2-2-30	24	14	14	30	SM5	200
CK2-2-45	24	14	14	45	SM5	200
CK3-3-30	31	18	18	30	SM6	200
CK3-3-45	31	18	18	45	SM6	200
CK4-4-45	39	22	22	45	SM8	200
CK4-4-60	39	22	22	60	SM8	220
CK5-5-60	50	28	28	60	SM10	240
CK5-5-90	50	28	28	90	SM10	260
CK6-6-60	64	36	36	60	SM12	220
CK6-6-100	64	36	36	100	SM12	260
CK6-6-120	64	36	36	120	SM12	320

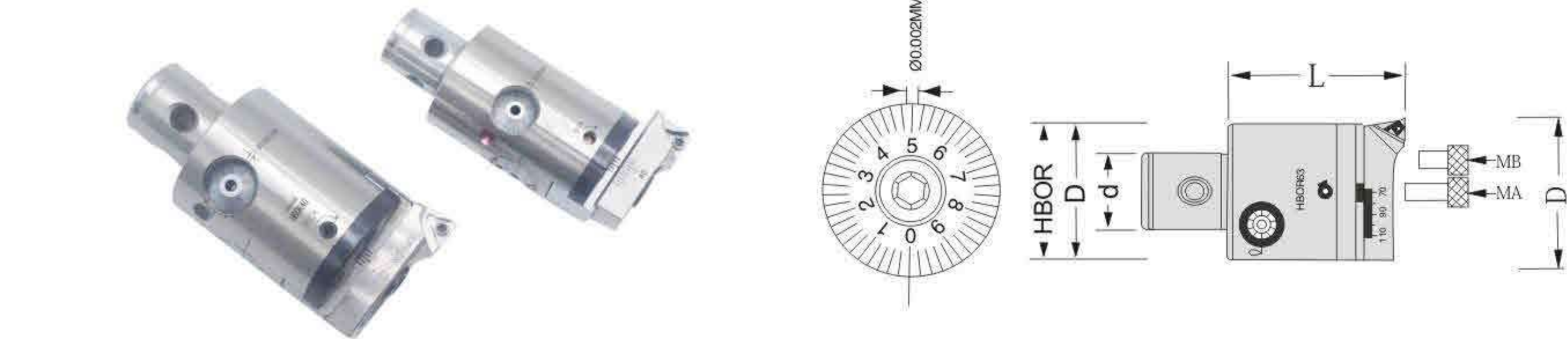
LBK異徑轉換接柄(大接小)
LBK Reducing Change Adapter (Big To Small)



型號 Model	尺寸 Size(mm)						側固錐度螺絲 Screw	單價 RMB
	D1	D2	d1	d2	L1	L		
LBK 2-1-36	11	19	14	-	30	36	SM5	200
3-1-41	11	19	18	31	30	41	SM6	200
3-2-37	14	24	18	31	25	37	SM6	200
4-1-58	11	19	22	39	40	58	SM8	232
4-2-50	14	24	22	39	36	50	SM8	232
4-3-50	18	31	22	39	37	50	SM8	232
5-1-60	11	19	28	50	40	60	SM10	260
5-2-54	14	24	28	50	35	54	SM10	260
5-2-74	14	24	28	50	55	74	SM10	260
5-3-47	18	31	28	50	29	47	SM10	260
5-3-72	18	31	28	50	54	72	SM10	260
5-4-42	22	39	28	50	25	42	SM10	260
5-4-72	22	39	28	50	50	72	SM10	260
6-1-70	11	19	36	64	40	70	SM12	300
6-2-63	14	24	36	64	45	63	SM12	300
6-2-93	14	24	36	64	75	93	SM12	360
6-3-56	18	31	36	64	39	56	SM12	300
6-3-78	18	31	36	64	39	78	SM12	360
6-3-96	18	31	36	64	79	96	SM12	360
6-4-51	22	39	36	64	35	51	SM12	300
6-4-101	22	39	36	64	85	101	SM12	360
6-5-41	28	50	36	64	25	41	SM12	300
6-5-91	28	50	36	64	75	91	SM12	360

H·BOR 極細微調精搪孔刀
H·BOR Micro-Finishing Cutter Fine Boring System

精搪孔刀本體、精搪孔刀座 Fine boring knife body, fine boring knife
精搪孔刀本體、精搪孔反搪刀座 Fine boring knife body, fine boring boring seat back

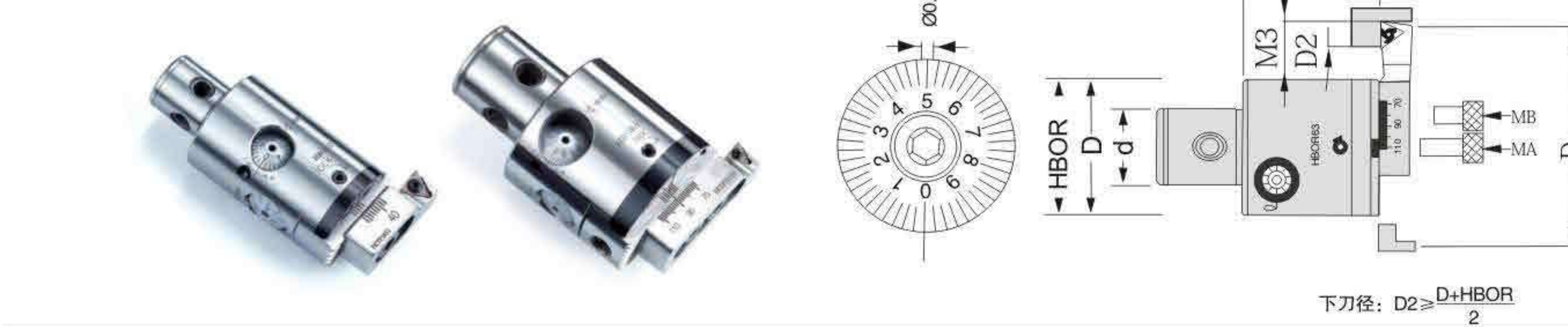


H·BOR 極細微調精搪孔刀
H·BOR Micro-Finishing Cutter Fine Boring System

型号 Model	范围 D Range	L	D	精搪孔系统组合		Fine boring system		净 重 N.W.	单价 RMB
				精搪孔刀本体 Fine boring knife body	MA Bolt	MB Bolt	精搪孔刀座 Fine boring knife		
HBOR25 M	29–38	50	25	HBOR25	M5x12		SRTP2938	0.16	3200
HBOR32 M	36–52	63	32	HBOR32	M6x12		SRTP3652	0.37	3200
HBOR40 M	44–68	63	40	HBOR40	M6x12	M8x14 M8x14	SRTP4468	0.53	3600
HBOR50 BM	57–90	80	50	HBOR50	BM8x20		SRTP5790	1.05	3600
HBOR63 BM	70–110	80	63	HBOR63	BM8x20		SRTP70110	1.65	4400
HBOR63 BM	110–150	80	63	HBOR63	BM8x20		SRTP110150	1.76	4400

注：以上單價均為鏜頭，未包含刀片座

H·BOR 極細微調精搪孔刀-反搪
H·BOR Micro-Finishing Cutter for Revers Fine Boring Head



型号 Model	范围 D Range	M3	M2	D	精搪孔系统组合		Fine boring system		净 重 N.W.	单价 RMB
					精搪孔刀本体 Fine boring knife body	MA Bolt	MB Bolt	精搪孔刀座 Fine boring knife		
HBOR25 MK	29-38	50	42	25	HBOR25	M5x12	M8x14 M8x14	FKTP2938	0.16	4330
HBOR32 MK	36-52	63	52.5	32	HBOR32	M6x12		FKTP3652	0.37	5170
HBOR40 MK	44-68	63	53	40	HBOR40	M6x12		FKTP4468	0.53	5390
HBOR50 BMK	57-90	80	64.5	50	HBOR50	BM8x20		FKTP5790	1.05	4800
HBOR63 BMK	70-110	80	62.5	63	HBOR63	BM8x20		FKTP70110	1.65	5200
HBOR63 BMK	110-150	80	62.5	63	HBOR63	BM8x20		FKTP110150	1.76	5200

注：以上單價均為鏜頭，未包含刀片座

HBOR 鎢鋼刀杆專用套筒
HBOR Special sleeve for tungsten steel tool bar



型号 Model	尺寸 Size(mm)			净重 N.W.	单价 RMB
	D	d	L		
BC1604	16	4	34	0.12	400
BC1606	16	6	34	0.1	400
BC1608	16	8	34	0.08	400
BC1610	16	10	34	0.06	400
BC1612	16	12	34	0.05	400
BC1614	16	14	34	0.04	400

H·BOR 極細微調精搪孔系統
H·BOR Very fine fine fine boring system
整組SET G2.5 12000rpm



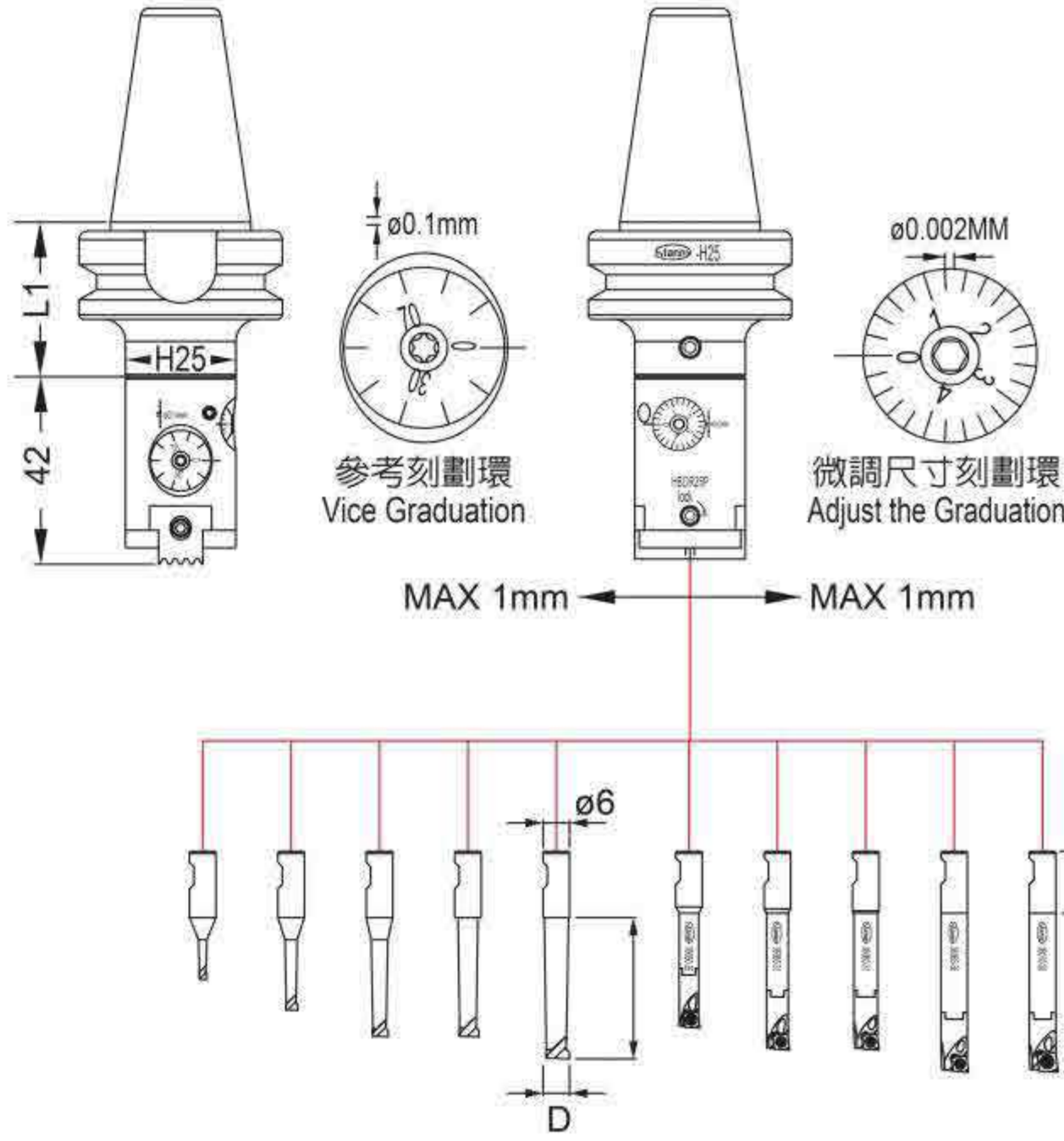
规格 Model	L1	净重 N.W.
BT30-HBOR25P	80	1.00
BT40-HBOR25P	70	1.60
SK30-HBOR25P	80	0.95
SK40-HBOR25P	70	1.10
HSK63-HBOR25P	95	1.65

鎢鋼刀杆 Carbide Bar

规格 Model	范围 D	深度 L1	单价 RMB
CA0602-09T	2-3.2	9	400
CA0603-16T	3-4.2	16	400
CA0604-22T	4-5.2	22	400
CA0605-27T	5-6.2	27	400
CA0606-32T	6-7.2	32	400

鎢鋼刀杆 Carbide Bar

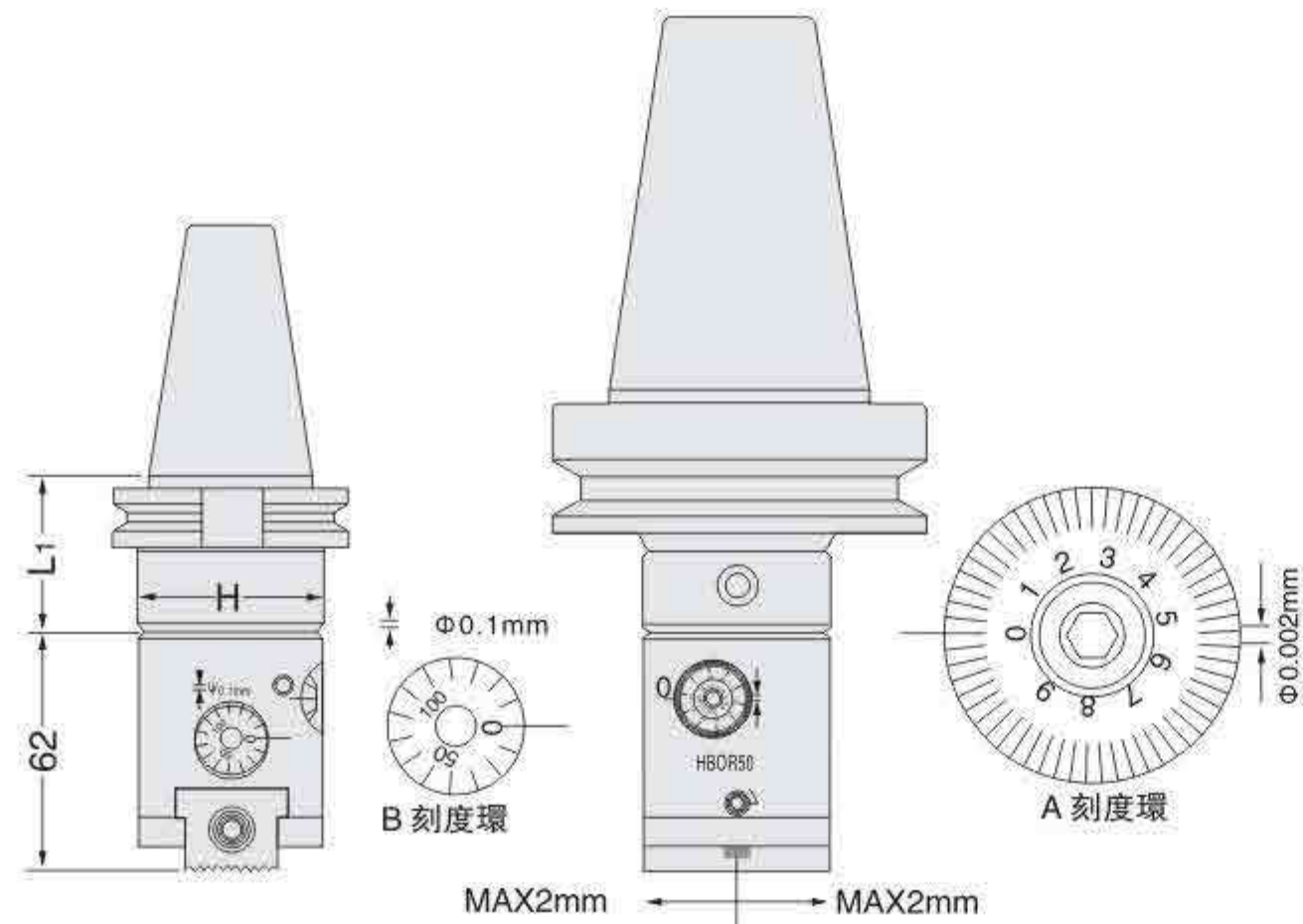
规格 Model	范围 D	深度 L	刀片 blade	螺丝 Screw	板手 Wrench	单价 RMB
CB06050-21	5-6	21	CCGT0301..L	T16040S	T6F	800
CB06055-26	5.5-6.5	26				800
CB06060-26	6-7	26				800
CB06065-31	6.5-7.5	31				800
CB06070-31	7-8	31	CCGT0401..L	T20045S		800



HBOR50極細微調精密鏜孔刀頭
HBOR50 Fine Micro Boring Head



型號 Model	鏜孔範圍 Boring Range	L1	單價 RMB
BT30-HBOR50-14P	06-90	70	7600
BT40-HBOR50-14P	06-90	75	7600
BT50-HBOR50-14P	06-90	90	8000
SK30-HBOR50-14P	06-90	55	7600
SK40-HBOR50-14P	06-90	50	7600
SK50-HBOR50-14P	06-90	50	8000
HSK63-HBOR50-14P	06-90	50	8400



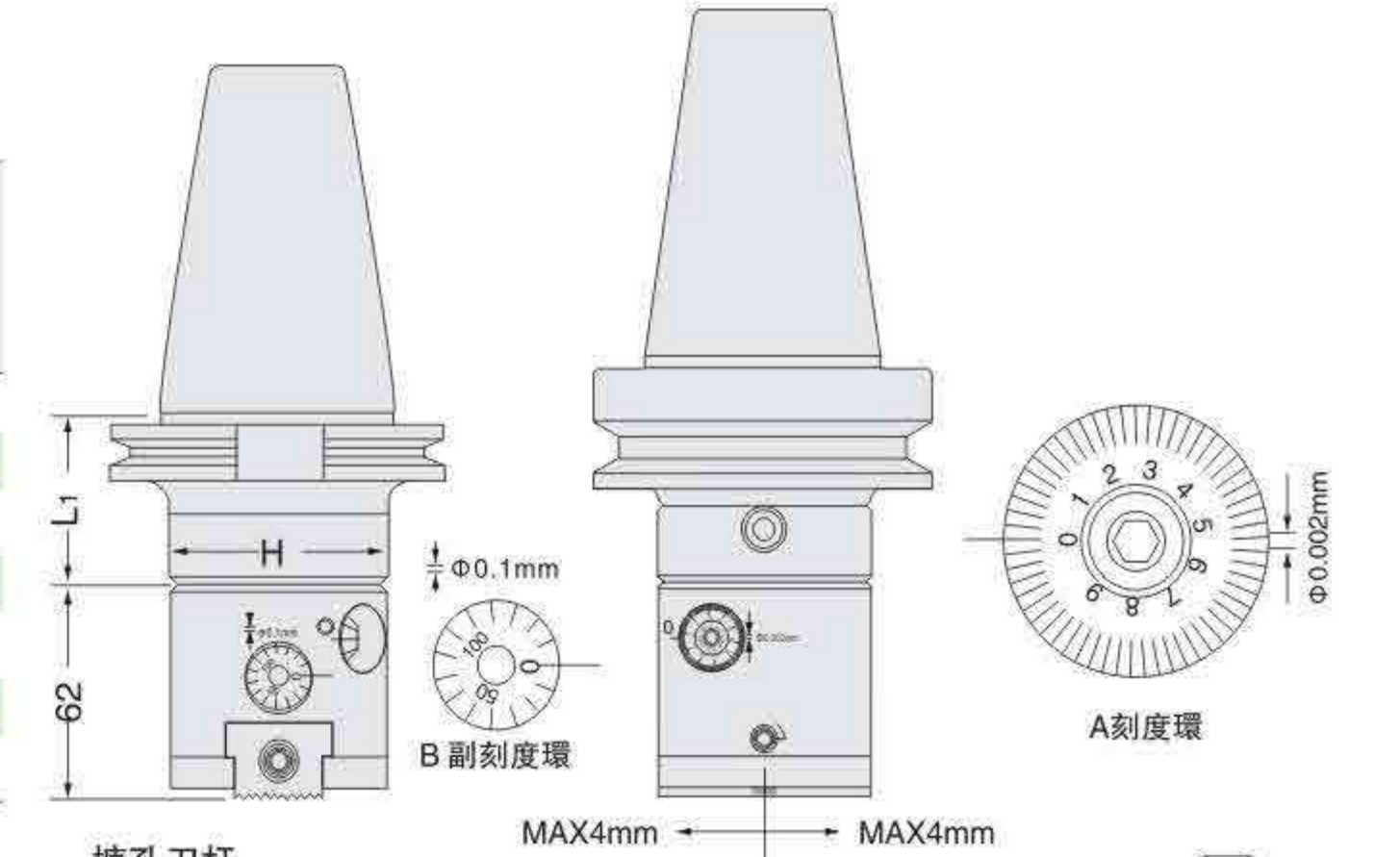
型號 Model	鏜孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
BR1606-21	6-9	21	WBG0601_L		
BR1608-28	8-11	28	TBGT0601_L	T20040S	T6F
BR1610-35	10-13	35			
BR1612-42	12-15	42			
BR1614-50	14-17	50	TPGH0902_L	T25050S	T8F
BR1616-60	16-20	60			
BR1620-65	20-24	65	TPGH1103_L	T30060S	T8F
BR1624-68	24-28	68			
BM5	60+SRTP2938or SPTP3652 or SPTP4468			M5	L4F
SRTP2938	28-38	+10			
SRTP3652	36-52	+12	TPGH0902_L	T25050S	T8F
SRTP4468	44-68	+12			
BM8			+SRTP5790	M8	L6F
SRTP5790	57-90	+20	TPGH1103_L	M3	T8F
BM5-100L	100+SRTP2938or SPTP3652 or SPTP4468			M5	L4F

此刀柄有BT、NT、SK、BBT、CAT、MTA、HSK50A、63A 100A各種型號可選，深度可以自由搭配，套裝刀片單獨購買。

HBOR63極細微調精密鏜孔刀頭
HBOR63 Fine Micro Boring Head



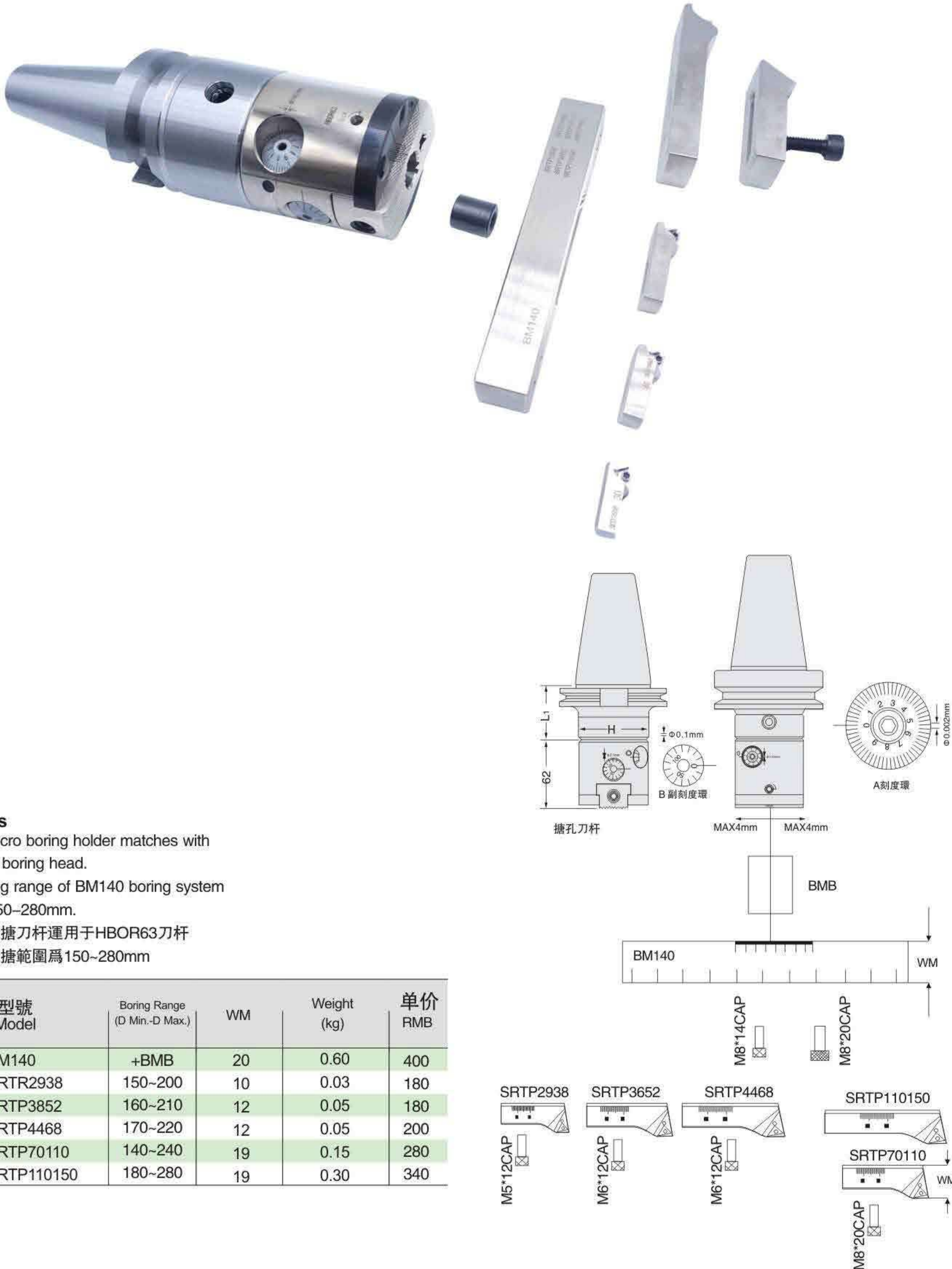
型號 Model	鏜孔範圍 Boring Range	L1	單價 RMB
NT40-HBOR63-15P	06-150	65	8500
NT50-HBOR63-15P	06-150	95	8900
BT40-HBOR63-15P	06-150	65	8500
BT50-HBOR63-15P	06-150	95	8900
SK40-HBOR63-15P	06-150	65	8500
SK50-HBOR63-15P	06-150	95	8900
HSK63-HBOR63-15P	06-150	65	9400



型號 Model	鏜孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
BR1606-21	6-9	21	WBG0601_L		
BR1608-28	8-11	28	TBGT0601_L	T20040S	T6F
BR1610-35	10-13	38			
BR1612-42	12-15	42			
BR1614-50	14-17	50	TPGH0902_L	T25050S	T8F
BR1616-60	16-20	60			
BR1620-65	20-24	65	TPGH1103_L	T30060S	T8F
BR1624-68	24-28	68			
BM5	60+SRTP2938or SPTP3652 or SPTP4468			M5	L4F
SRTP2938	28-38	+10			
SRTP3652	36-52	+12	TPGH0902_L	T25050S	T8F
SRTP4468	44-68	+12			
BM8			+SRTP70110 or SRTP110150	M8	L6F
SRTP70110	70-110	+20	TPGH1103_L	M3	T8F
SRTP110150	110-150	+20			
BM5-100L	100+SRTP2938or SPTP3652 or SPTP4468			M5	L4F

此刀柄有BT、NT、SK、BBT、CAT、MTA、HSK50A、63A 100A各種型號可選，深度可以自由搭配，套裝刀片單獨購買。

HBOR63-BM140
Micro Boring Holder



Features
BM140micro boring holder matches with HBOR63 boring head.
The boring range of BM140 boring system is from 150~280mm.
BM140精搪刀杆運用于HBOR63刀杆
BM140精搪範圍為150~280mm

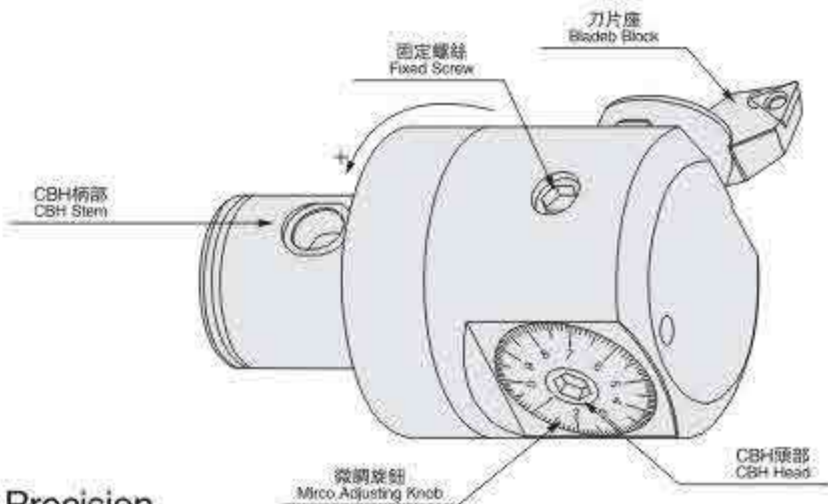
型號 Model	Boring Range (D Min.-D Max.)	WM	Weight (kg)	单价 RMB
BM140	+BMB	20	0.60	400
SRTR2938	150~200	10	0.03	180
SRTP3852	160~210	12	0.05	180
SRTP4468	170~220	12	0.05	200
SRTP70110	140~240	19	0.15	280
SRTP110150	180~280	19	0.30	340

MBH產品主要部位名稱
The Name Of The Main Part Of Products With MBH

使用順序
Sequence Of Use

請參照圖示，按下列順序1-5順序操作
Please operate the following step (1-5) according to the diagram figured

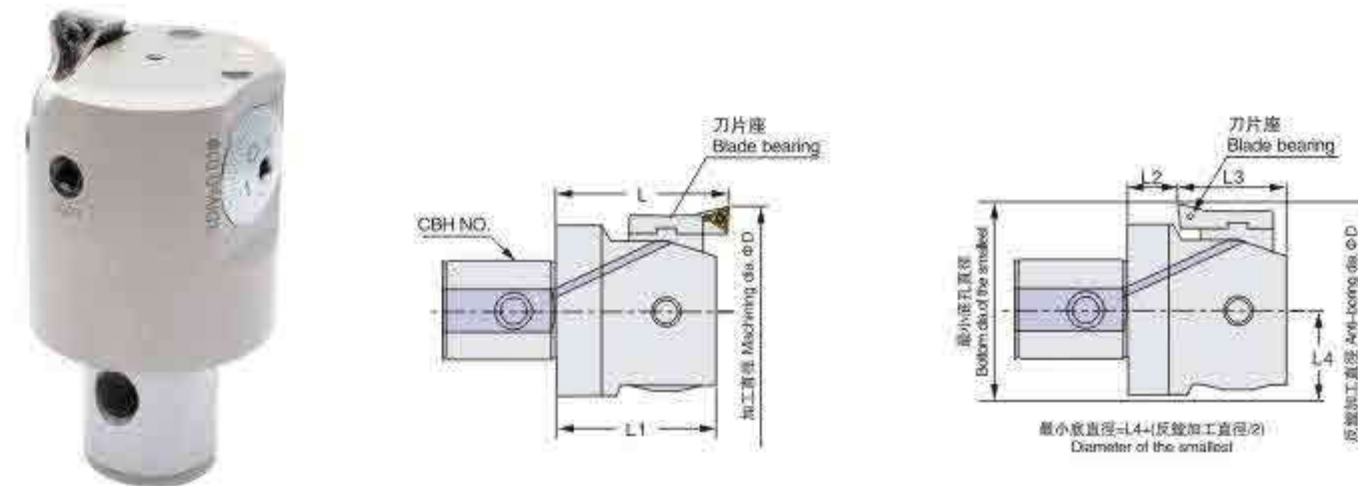
- 1、鬆開固定螺絲。
 - 2、按順時針方向旋轉調整旋鈕，使加工直徑增大，調整旋鈕刻度為 $\Phi 0.01\text{mm}$ 。
 - 3、按逆時針方向旋轉調整旋鈕，使加工直徑減小。
 - 4、調整尺寸加工時，請按同方向微調，以確保微調精度。
 - 5、微調至所需尺寸時，請以適當扭力鎖緊固定螺絲。
- 1, Loosening the fixed screws.
 - 2, Rotating tune knob by clockwise to increase the processing diameter, the graduate is $\Phi 0.01\text{ mm}$.
 - 3, Rotating by anti-clockwise will decrease the processing diameter.
 - 4, When adjusting the size of processing, please fine-tuning by the same direction to ensure mirco adjustment Precision.
 - 5, When meet the demanded size, please use the proper force to lock the fasten screws.



使用者注意事項
Notices Of The User

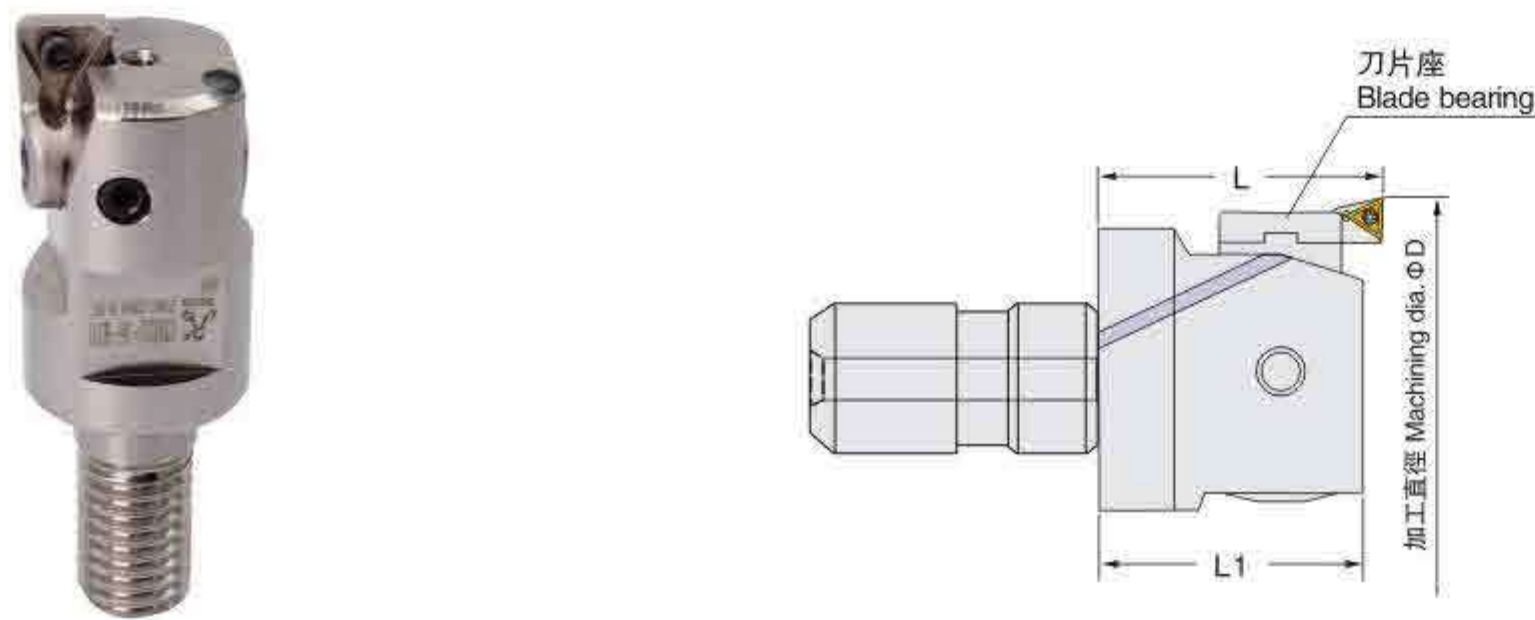
- 1、請使用在加工範圍內。
 - 2、當滑座在已鎖緊狀態下，請勿旋轉調整旋鈕，否則會導致調整機構被破壞。
 - 3、滑座之固定，請使用專用扳手，以適當扭力來確保鎖緊固定螺絲。過度鎖緊會導致座體移位，過鬆會造成精度不良。
 - 4、本產品是由精密螺絲、移動刀片座旋轉調整旋鈕，在阻力很大或無法轉動時，請停止調整，並確認以下事項：
 - 1) 固定螺絲是否鬆開。
 - 2) 是否超出調整範圍。
 - 3) 當過度旋轉調整旋鈕時，會導致調本體內部被破壞。
- 1, Using in the processing range.
 - 2, Do not rotate the adjustment knob when the slide is tightly locked, or the adjusting mechanism will be destroyed.
 - 3, Please use special wrench to fix the slide with three M8 screws, too much force will be seat shift, on the contrary, there will be accuracy of non-performing.
 - 4, Our products use micro screws, mobile slide to rotate the adjustment knob. You should make sure the followin notices and adjusting with great resistance or it can not move:
 - 1) Whether the fixed screw is loosened.
 - 2) Whether it is out of the adjustment range.
 - 3) Too much force will make the internal body.

MBH微調精密鏜頭
MBHE Micro Boring Head



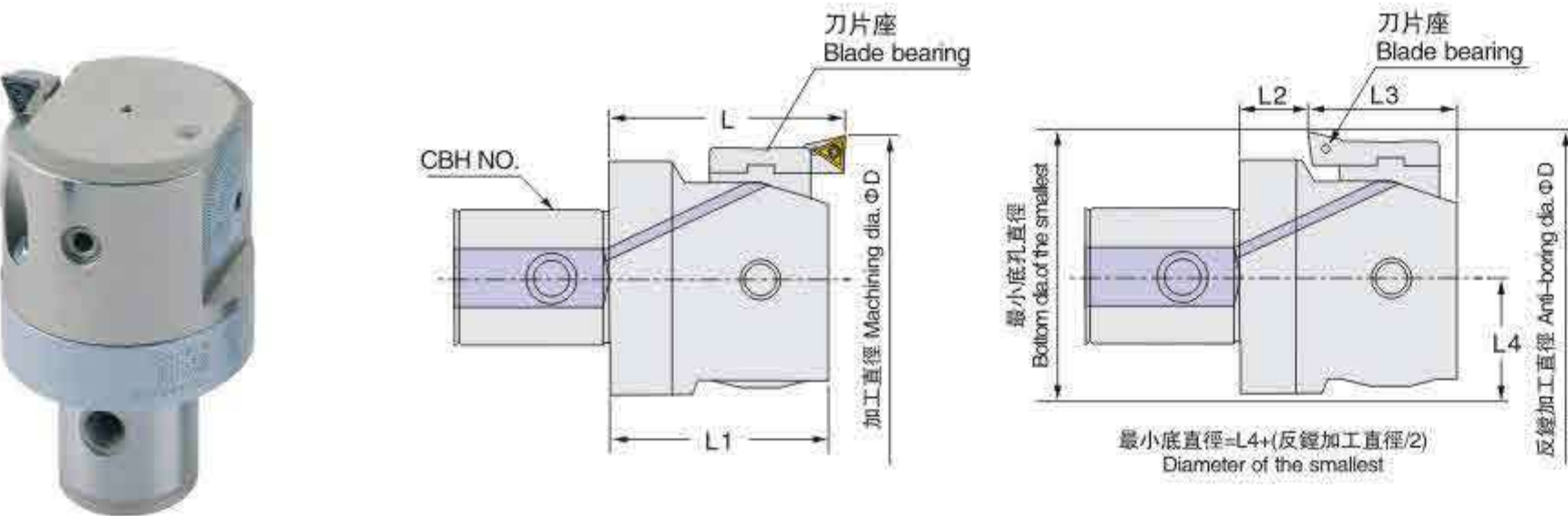
型號 Model	正鏜 Boring				反鏜 Counter Boring				組合刀柄 Modular Holder	對應鏜頭 Boring Head	刀片座 Blade Bearing	刀片 Insert	重量 Weight	单价 RMB
	L1	L	範圍 Rane		L4	L2	L3	範圍 Rane						
MBH20-36	29.5	32.5	20-26 25-31 30-36		10	10.5	19	30-31 30-36	LBK1	MBH20-36	MBH1-1 MBH1-2 MBH1-3	TPGT0802□□L	0.07	3000
MBH25-47	32.5	35.5	25-33 32-40 39-47		12.5	11.5	21	36-40 39-47	LBK2	MBH25-47	MBH2-1 MBH2-2 MBH2-3	TPGT0802□□L	0.12	3100
MBH32-60	35	40	32-42 41-51 50-60		16	10	25	46-51 50-60	LBK3	MBH32-60	MBH3-1 MBH3-2 MBH3-3	TPGT0802□□L	0.21	3400
MBH41-74	43	47	41-54 50-63 61-74		20	14	29	53-63 61-74	LBK4	MBH41-74	MBH4-1 MBH4-2 MBH4-3	TCGT1102□□L	0.40	3600
MBH53-95	53	57	53-70 65-82 78-95		25.5	19	34	62-70 65-82 78-95	LBK5	MBH53-95	MBH5-1 MBH5-2 MBH5-3	TCGT1102□□L	1.10	4000
MBH68-150	67.2	71	68-100 94-126 118-150		32.5	22	45.2	80-100 94-126 118-150	LBK6	MBH68-150	MBH6-1 MBH6-2 MBH6-3	TCGT1102□□L	1.47	4400
MBH100-203	67.2	71	100-153 126-179 150-203		45.5	22	45.2	112-153 126-179 150-203	LBK6	MBH100-203	MBH6-1 MBH6-2 MBH6-3	TCGT1102□□L	2.46	5000

CBH微調精密鏜頭
CBH Micro Boring Head



型號 Model	範圍 Model	L	刀片 Insert
SBJ10-12-M5	10-12	29	TPGH090204L
SBJ12-14-M6	12-14	35	TPGH090204L
SBJ14-17-M8	14-17	38	TPGH090204L
SBJ16-21-M8	16-24	38	TPGH090204L
CBH16-20-M8/P	16-20	33	TPGH080204L
CBH16-21-M8	16-21	34	TPGH080204L
CBH20-36-M10	20-36	32	TPGH080204L
CBH25-47-M12	25-47	35	TPGH080204L
CBH32-60-M16	32-60	40	TPGH080204L
CBH41-74-M16	41-74	40	TCGT110204L

CBH微調精密鏜頭
CBH Micro Boring Head



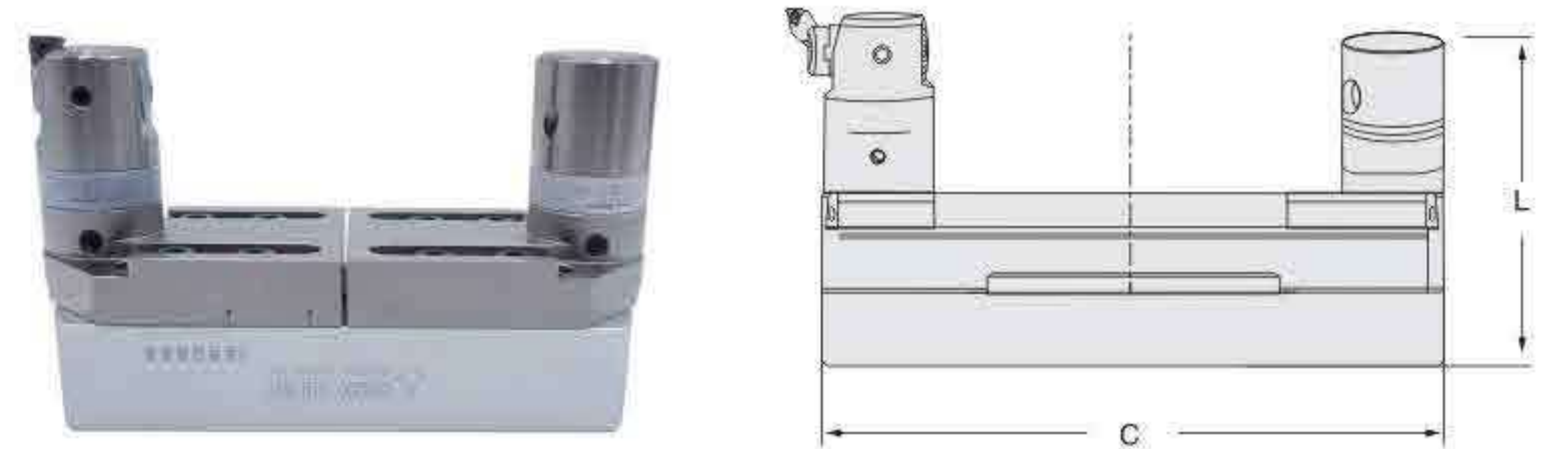
型號 Model	正鏜 Boring			反鏜 Counter Boring				組合刀柄 Modular Holder	對應鏜頭 Boring Head	刀片座 Blade Bearing	刀片 Insert	重量 Weight	單價 RMB
	L1	L	範圍 Rane	L4	L2	L3	範圍 Rane						
CBH20-36	29.5	32.5	20-26 25-31 30-36	10	10.5	19	30-31 30-36	LBK1	CBH20-36	CBH1-1 CBH1-2 CBH1-3	TPGT0802□□L	0.07	1440
CBH25-47	32.5	35.5	25-33 32-40 39-47	12.5	11.5	21	36-40 39-47	LBK2	CBH25-47	CBH2-1 CBH2-2 CBH2-3	TPGT0802□□L	0.12	1600
CBH32-60	35	40	32-42 41-51 50-60	16	10	25	46-51 50-60	LBK3	CBH32-60	CBH3-1 CBH3-2 CBH3-3	TPGT0802□□L	0.21	1734
CBH41-74	43	47	41-54 50-63 61-74	20	14	29	53-63 61-74	LBK4	CBH41-74	CBH4-1 CBH4-2 CBH4-3	TCGT1102□□L	0.40	1940
CBH53-95	53	57	53-70 65-82 78-95	25.5	19	34	62-70 65-82 78-95	LBK5	CBH53-95	CBH5-1 CBH5-2 CBH5-3	TCGT1102□□L	1.10	2160
CBH68-150	67.2	71	68-100 94-126 118-150	32.5	22	45.2	80-100 94-126 118-150	LBK6	CBH68-150	CBH6-1 CBH6-2 CBH6-3	TCGT1102□□L	1.47	2540
CBH100-203	67.2	71	100-153 126-179 150-203	45.5	22	45.2	112-153 126-179 150-203	LBK6	CBH100-203	CBH6-1 CBH6-2 CBH6-3	TCGT1102□□L	2.46	3000

特點/Feature

- 中心內冷。Center for the cold manths.
- 設動平衡結構，能達可靠加工精度。Balancing structure based, reliable machining accuracy reached.
- 標準相對反鏜加工，加大附加值。Against the standard of counter boring the value-added increased.

CBH大徑太空鋁微調精密鏜頭(減重型)

CBH large-diameter space aluminum fine-tuning precision hoe (weight reduction)



鏜孔範圍Φ200-Φ910mm組合系列 Boring Range From Φ200-Φ910mm

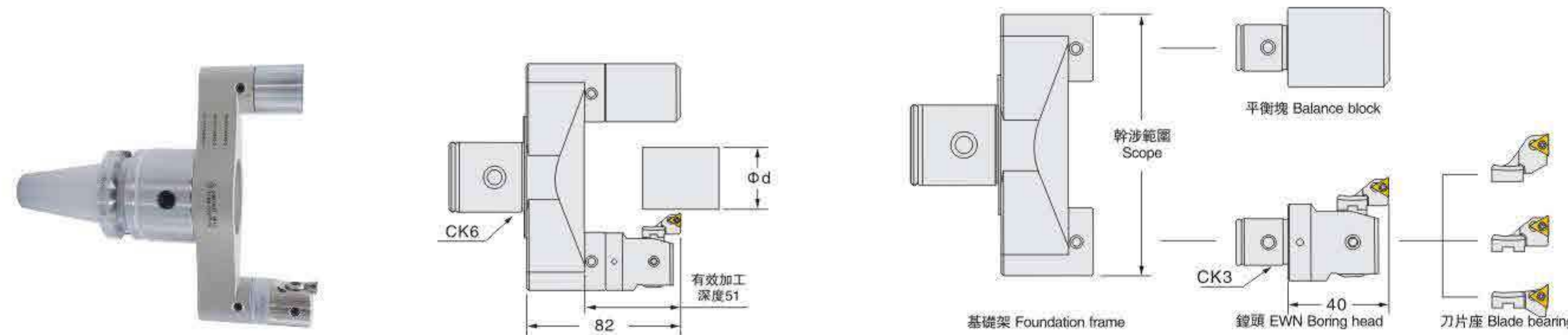
型號 Model	尺寸 Size(mm)		鏜孔範圍 Boring Range	組合刀柄 Modular Holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	整組重量 Total Weight	單價 RMB
	C	L							
New! CBH150210	145	120	150-200	BST	TCGT1102□□L	T25050S	T8F	3.0	5000
CBH200310	190	120	200-310					4.1	5625
CBH300410	290	120	300-410					4.9	6000
CBH400510	390	120	400-510					5.9	7300
CBH500610	490	120	500-610					6.9	7700
CBH600710	590	120	600-710					7.9	8400
CBH600910	690	120	600-910					10.0	9200
New! CBH9001200	890	120	900-1200					*	10000

刀片座
Blade seat



刀片座 Blade seat	刀片 Insert	刀片 Insert	刀片 Insert
CBH1-1	TPGH080204L	TPGH080204L	TPGH080204L
CBH1-2	TPGH080204L	TPGH080204L	TPGH080204L
CBH1-3	TPGH080204L	TPGH080204L	TPGH080204L
CBH2-1	TPGH080204L	TPGH080204L	TPGH080204L
CBH2-2	TPGH080204L	TPGH080204L	TPGH080204L
CBH2-3	TPGH080204L	TPGH080204L	TPGH080204L
CBH3-1	TPGH080204L	CCMT060204	TPGH080204L
CBH3-2	TPGH080204L	CCMT060204	TPGH080204L
CBH3-3	TPGH080204L	CCMT060204	TPGH080204L
CBH4-1	TCGT110204L	CCMT060204	TPGH110304L
CBH4-2	TCGT110204L	CCMT060204	TPGH110304L
CBH4-3	TCGT110204L	CCMT060204	TPGH110304L
CBH5-1	TCGT110204L	CCMT060204	TPGH110304L
CBH5-2	TCGT110204L	CCMT060204	TPGH110304L
CBH5-3	TCGT110204L	CCMT060204	TPGH110304L
CBH6-1	TCGT110204L	CCMT09T304	TPGH110304L
CBH6-2	TCGT110204L	CCMT09T304	TPGH110304L
CBH6-3	TCGT110204L	CCMT09T304	TPGH110304L

CBH-M外圓鏜頭
CBH-M Counter Boring Head



加工外徑φd Processing outside diameter	基礎架 Foundation Frame	鏜頭 Boring Head	平衡塊 Balance Block	刀片座 Blade Bearing	刀片 Insert	单价 RMB
<i>New!</i> 0-10 <i>New!</i> 9-19 <i>New!</i> 15-24	CK4-024 幹涉範圍91	CBH32-60	CK3-CBH	CBH3-3 CBH3-2 CBH3-1	TP08	2800
23-33 32-42 41-51	CK6-2351-42 幹涉範圍114	CBH32-60	CK3-CBH	CBH3-3 CBH3-2 CBH3-1	TP08	2800
51-61 60-71 69-79	CK6-5179-42 幹涉範圍142	CBH32-60	CK3-CBH	CBH3-3 CBH3-2 CBH3-1	TP08	3200
79-89 88-98 97-107	CK6-79107-42 幹涉範圍170	CBH32-60	CK3-CBH	CBH3-3 CBH3-2 CBH3-1	TP08	3600
<i>New!</i> 107-117 <i>New!</i> 116-126 <i>New!</i> 122-135	CK6-107-135 幹涉範圍198	CBH32-60	CK3-CBH	CBH3-3 CBH3-2 CBH3-1	TP08	4000

■ 特點/Feature

- CBH鏜頭反向裝可以進行鏜孔加工
- 加工範圍 $\Phi 116 - \Phi 200$
- CBH boring head loaded reverse direction can process boring machining.
- Machining range $\Phi 116 - \Phi 200$

注意: 1、此单价包含镗头、平衡块、刀片座。
2、主轴反转。
3、镗孔加工时主轴正转。

Idea: 1、the unit price includes boring head, balance block, blade seat.
2、spindle reversal.
3、when the boring spindle rotation.

■ CBR20, CBR30組合式外圓搪孔組件(搪孔範圍 $\phi 5\text{--}\phi 52\text{mm}$)
CBR20, CBR30 combined cylindrical bore components (bore range is 5– 52mm)



型號 Model	重量 weight	搪孔头BE型 Boring head type BE	外圆搪孔范围 øA(mm)	偏心距离 E (mm)	有效深度 Z(mm)	柄径 øD(mm)	刀片规格 螺丝/板手	单价 RMB
C16-CBR20 C20-CBR20	0.16 0.195	BE36A BE34A BE32A BE30A BE28A BE26A BE24A BE22A BE20A BE18A	5-14 7-16 9-18 11-20 13-22 15-24 17-26 19-28 21-30 23-32	20	27	16/20	TPGH0802L T20040S T6F	600
C16-CBR30 C20-CBR30	0.25 0.285	BE36A BE34A BE32A BE30A BE28A BE26A BE24A BE22A BE20A BE18A	25-34 27-36 29-38 31-40 33-42 35-44 37-46 39-48 41-50 43-52	30	27	16/20	TPGH0802L T20040S T6F	700

※C16-CBR20, CBR30 為 CBR16 搪孔器轉用搪外圓組件

※C20-CBR20, CBR30 為 CBR2084 搪孔器專用搪外圓組件

C16-CBR20, CBR30 for CBR16 lining hole to lined cylindrical component

C20-CBR20, CBR30 CBR2084 for lining lining hole cylindrical component

■ CBI小徑微調整搪刀系列(搪孔範圍 $\phi 3\sim\phi 50\text{mm}$)
CBI diameter micro adjusting boring cutter series (bore range is 3– 50mm)

■ 特點/Feature

- CBI小徑精搪刀有三種選擇，通用于 $\phi 3\sim\phi 50\text{mm}$ 小孔徑使用，如使用全鎢鋼小徑搪刀杆可加工 $\phi 3\sim 14\text{mm}$ 小孔。
- 調整刻度為圓周50等分，每格調整尺寸為直徑 0.01mm ，另有副尺可作更精細之調整。
- 精密道程螺絲位于內部，不受切削，磨耗，生銹等影響，具有內部潤滑，精畢耐用。
- CBI path fine boring knife has three options, general in $\phi 3\sim\phi 50\text{mm}$ small aperture to use, such as technicians to use full tungsten path tool rod can be added Workers $\phi 3\sim 14\text{mm}$ holes.
- Adjust the scale of circumferential uniform, 50 per case adjust the size of 0.01mm in diameter, of another pair of feet can make finer adjustments.
- Precision process screw located in the internal, not affected by cutting, abrasion, gave birth to the 'effects, such as with internal lubrication, fine finish and durability.



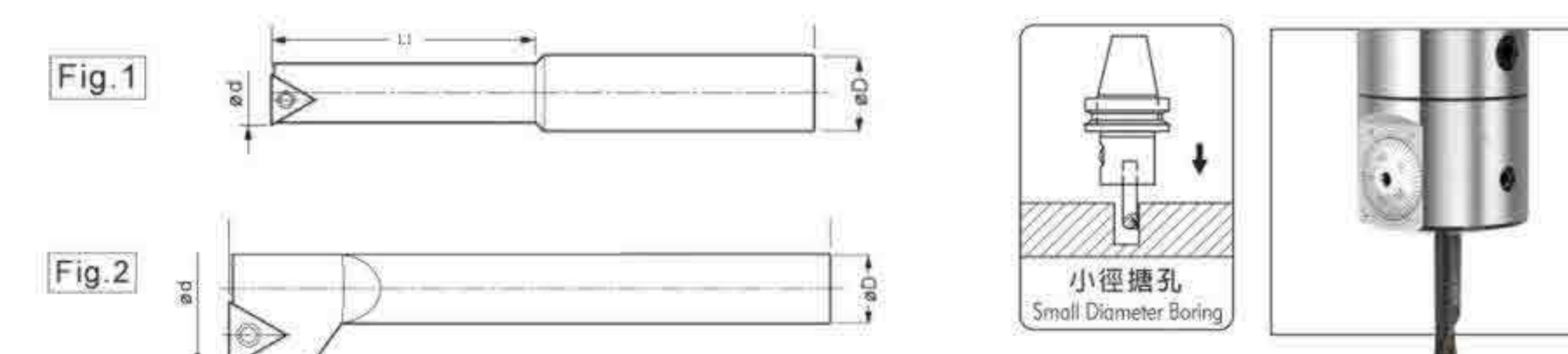
搪头型号 Plug type	接合型号 LBK NO.	内置刀杆 $\phi d(\text{mm})$ Built in cutter bar	外径 $\phi D(\text{mm})$ external diameter	长度 Length	移动量 (mm) Mobile quantity	本身体重 kg weight	单价 RMB
CBI 4	LBK4	10	39	32	0–2.0	0.4	2500
CBI 5	LBK5	12	50	40	0–3.5	0.8	2500
CBI 6	LBK6	16	64	50	0–5.0	1.4	3600

■ CBI小徑微調精搪刀+LBK刀柄(MAS 403 BT)+小徑搪刀杆BJ系列
CBI path adjustment fine boring knife handle +LBK (MAS 403 BT) + path BJ series boring bar



型号 Model	移动量 F mm	延伸长 Z	组合内容 Composition content			接合型号 LBK NO.	全长 L	刀杆长 L1	外径 $\phi D1$	重量 kg weight	单价 RMB
			LBK刀杆 LBK shank	CBI刀头	小徑搪刀杆						
BT30–CBI4–BJ10–6PCS	0–2.0	45	BT30–LBK4–45	CBI14	BJ10–5PCS	4	77	45	39	1.9	3380
BT30–CBI5–BJ12–6PCS	0–3.5	65	BT30–LBK5–65	CBI15	BJ12–5PCS	5	105	65	50	2.3	3380
BT30–CBI6–BJ16–8PCS	0–5.0	60	BT30–LBK6–60	CBI16	BJ16–8PCS	6	110	60	64	4.6	4580
BT40–CBI4–BJ10–6PCS	0–2.0	50	BT40–LBK4–50	CBI14	BJ10–5PCS	4	82	50	39	2.4	3380
BT40–CBI5–BJ12–6PCS	0–3.5	75	BT40–LBK5–75	CBI15	BJ12–5PCS	5	90	75	50	2.8	3380
BT40–CBI6–BJ16–8PCS	0–5.0	65	BT40–LBK6–65	CBI16	BJ16–8PCS	6	114	65	64	4.9	4580
BT50–CBI4–BJ10–6PCS	0–2.0	115	BT50–LBK4–115	CBI14	BJ10–5PCS	4	147	115	39	5.4	3580
BT50–CBI5–BJ12–6PCS	0–3.5	90	BT50–LBK5–90	CBI15	BJ12–5PCS	5	130	90	50	6.0	3580
BT50–CBI6–BJ16–8PCS	0–5.0	95	BT50–LBK6–95	CBI16	BJ16–8PCS	6	145	95	64	8.1	4780

■ CBI4專用小徑搪刀杆型BJ型
CBI4 special path boring bar type BJ



型號 Model	模式 Fig.	D	ϕd	L1	刀片 Insert	螺絲 Screw	板手 Wrench	本體重量(kg) Body weight	单价 RMB
BJ1006–24 BJ1008–32 BJ1010–40	1	10	6–9 8–10 10–12	24 32 40	WB..0601.. TB..0601..	T20040S	T6F	0.020 0.025 0.035	200
BJ1012–45 BJ1016–45 BJ1020–45	2	10	12–16 16–20 20–24	45 45 45	TP..0902..	T25050S	T8F	0.045 0.045 0.045	200

■ CBI5專用小徑搪刀杆型BJ型
CBI5 special path boring bar type BJ



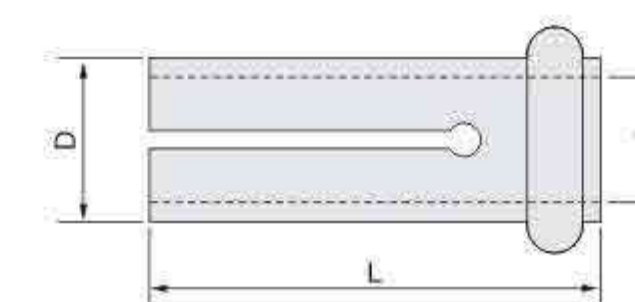
型號 Model	模式 Fig.	D	ϕd	L1	刀片 Insert	螺絲 Screw	板手 Wrench	本體重量(kg) Body weight	单价 RMB
BJ1206–24 BJ1208–32 BJ1210–40	1	12	6–9 8–10 10–12	24 32 40	WB..0601.. TB..0601..	T20040S	T6F	0.020 0.025 0.035	200
BJ1212–45 BJ1216–45 BJ1220–45	2	12	12–16 16–20 20–24	45 45 45	TP..0902..	T25050S	T8F	0.045 0.045 0.045	200

■ CBI6專用小徑搪刀杆型BJ型
CBI6 special path boring bar type BJ

型號 Model	模式 Fig.	D	ϕd	L	刀片 Insert	螺絲 Screw	板手 Wrench	本體重量(kg) Body weight	单价 RMB
BJ1606–24 BJ1608–32 BJ1610–40	1	16	6–8 8–10 10–12	24 32 40	WB..0601.. TB..0601..	T20040S	T6F	0.070 0.065 0.075	240
BJ1612–53 BJ1616–68 BJ1620–83		16	12–16 16–20 20–25	53 68 83	TP..0902..	T25050A	T8F	0.085 0.125 0.170	240
BJ1625–90 BJ1630–90 BJ1640–90	2	16	25–30 30–40 40–50	90 90 90	TP..1103..	T30060S	T8F	0.185 0.190 0.205	240

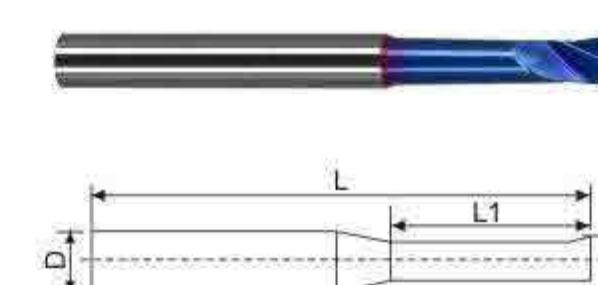
※切削加工時，小徑搪刀杆以3倍直徑伸出量為佳。
※When machining path of boring bar with 3 times the diameter of stickout is preferred.

■ CBI系列專用套筒
CBI series special sleeve



型號 Model	尺寸 Size(mm)			单价 RMB
	D	d	L	
CBI 10–4	10	4	35	100
10–5	10	5	35	
10–6	10	6	35	
10–8	10	8	35	100
12–4	12	4	35	
12–5	12	5	35	
12–6	12	6	35	
12–8	12	8	35	
12–10	12	10	35	

■ CBI系列專用超小徑碳化鎢搪孔刀SBJ型
CBI series special ultra small diameter tungsten carbide boring cutter SBJ



型號 Model	搪孔範圍 Bore range				D	L1	L	重量(kg) weight	鋼用 单价	鋁銅 单价
	最小加工 直徑ød mm	最大加工直徑ød max CB14	CB15	CB16						
SBJ0401-50	1	3	3	3	4	3	50	0.02	100	90
SBJ0402-50	2	5	5	5	4	7	50	0.02	100	90
SBJ0403-50	3	6	6	6	4	10	50	0.02	100	90
SBJ0404-50	4	7	7	7	4	12	50	0.02	100	90
SBJ0505-50	5	8	8	8	5	15	50	0.02	150	140
SBJ0605-50	5	8	8	8	6	15	50	0.02	150	140
SBJ0606-50	6	9	9	9	6	18	50	0.06	180	170
SBJ0808-60	8	11	11	11	8	24	60	0.06	260	255
SBJ1010-75	10	13	13	13	10	30	75	0.07	360	350

■ NBH2084微調精密鏜孔刀頭
NBH2084 Micro Boring Head



此刀柄有NT、SK、MTA、MTB、HSK63A各種型號可選 詳見04頁

型號 Model	鏜孔範圍 Boring Range	組合系統-主軸柄規格 Spindle Handle Specifications	單價 RMB
R8-NBH2084	08-280	R8-UNF7/16-20-NBH2084	2000
NT30-NBH2084	08-280	DIN2080 ISO30M12-NBH2084	2000
NT40-NBH2084	08-280	DIN2080 ISO40M16-NBH2084	2000
NT50-NBH2084	08-280	DIN2080 ISO50M24-NBH2084	2200
BT40-NBH2084	08-280	MAS403 BT40-NBH2084	2000
BT50-NBH2084	08-280	MAS403 BT50-NBH2084	2200

型號 Model	鏜孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
SBJ2008-32	8-11	32	TBGT0601_L	T20040S	T6F
SBJ2010-40	10-13	40	TBGT0601_L	T20040S	T6F
SBJ2012-53	12-17	53	TPGH0902_L	T25050S	T8F
SBJ2016-68	16-21	68	TPGH0902_L	T25050S	T8F
SBJ2020-83	20-130	83	TPGH1103_L	T30060S	T8F
SBJ2025-96	25-135	96	TPGH1103_L	T30060S	T8F
SBJ2030-115	30-140	115	TPGH1103_L	T30060S	T8F
SBJ2020-L	120-280	84+BT L1	TPGH1103_L	T30060S	T8F
SBJ2008-90	8-11	90	TBGT0601_L	T20040S	T6F
SBJ2010-90	10-13	90	TBGT0601_L	T20040S	T6F
SBJ2012-90	12-17	90	TBGT0601_L	T20040S	T6F
SBJ2016-102	16-21	102	TPGH0902_L	T25050S	T8F
SBJ2016-150		150	TPGH0902_L	T25050S	T8F
SBJ2020-120	20-130	120	TPGH0902_L	T25050S	T8F
SBJ2020-150		150	TPGH0902_L	T25050S	T8F
SBJ2020-200		200	TPGH0902_L	T25050S	T8F
SBJ2020-250		250	TPGH0902_L	T25050S	T8F
SBJ2025-116		116	TPGH1103_L	T30060S	T8F
SBJ2025-150	25-135	150	TPGH1103_L	T30060S	T8F
SBJ2025-200		200	TPGH1103_L	T30060S	T8F
SBJ2025-250		250	TPGH1103_L	T30060S	T8F
SBJ2030-135		135	TPGH1103_L	T30060S	T8F
SBJ2030-150	30-140	150	TPGH1103_L	T30060S	T8F
SBJ2030-200		200	TPGH1103_L	T30060S	T8F
SBJ2030-250		250	TPGH1103_L	T30060S	T8F
SBJ20L20-150	145-330	150	TPGH1103_L	T30060S	T8F
SBJ20L20-200	170-380	200	TPGH1103_L	T30060S	T8F

注：鏜孔8mm-42mm深孔系列可以選擇鈷鋼抗震刀杆 詳見22頁 2084套筒+TL鈷鋼刀杆+BE鏜頭

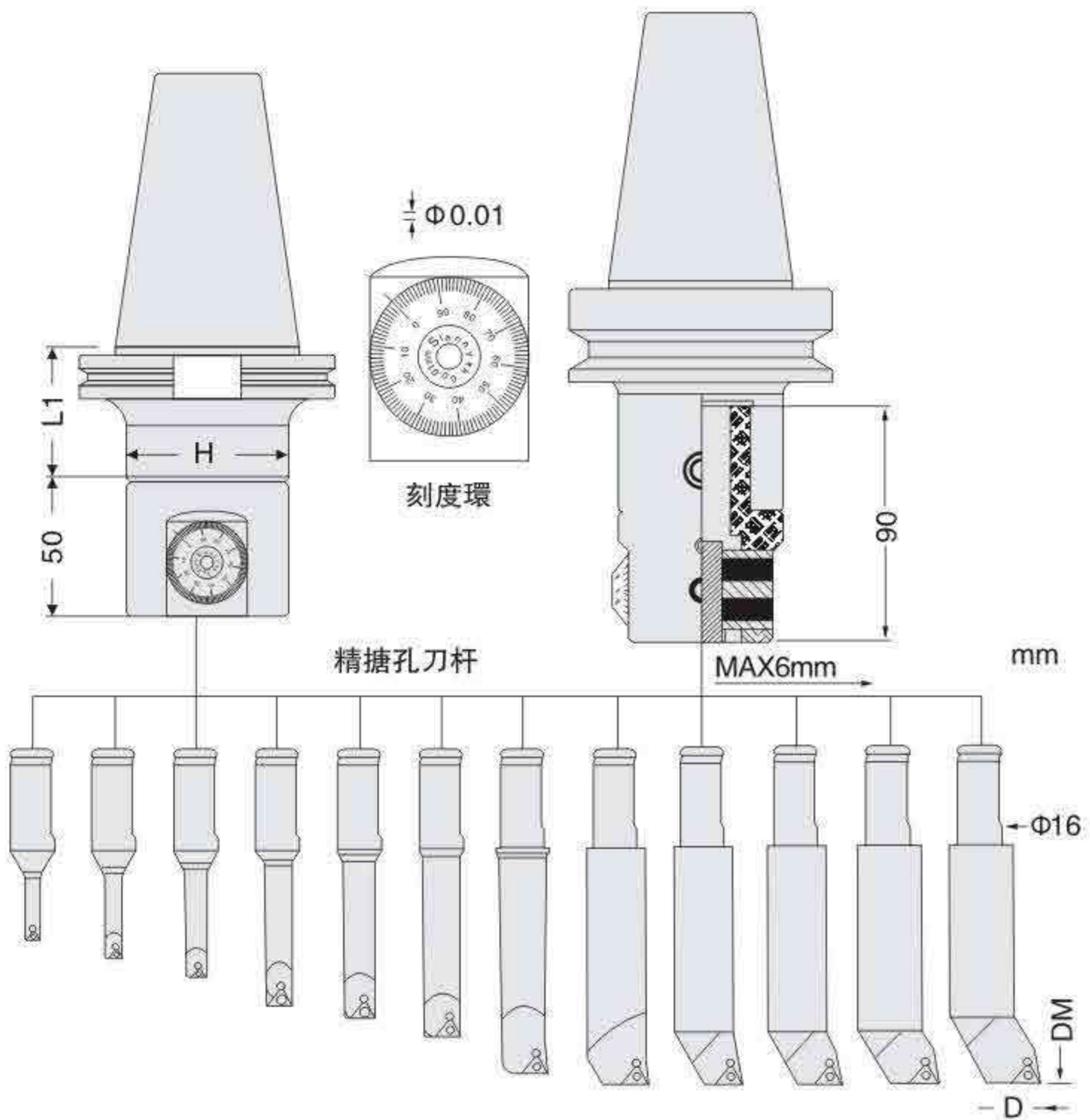
■ SBJ-16微調精鏜套裝組合
SBJ-16 Micro Boring Set

型號 Model	鏜孔範圍 Boring Range	單價 RMB	型號 Model	單價 RMB
NT30-SBJ16-8P		2000	HSK63A-SBJ16-8P	2800
NT40-SBJ16-8P	06-51	2000	HSK100A-SBJ16-8P	3400
NT50-SBJ16-8P		2200	CAT40-SBJ16-8P	2200
BT30-SBJ16-8P	06-51	2000	CAT50-SBJ16-8P	2400
BT40-SBJ16-8P		2000	C32-SBJ16-8P	2000
BT50-SBJ16-8P	06-51	2200	MT4-SBJ16-8P	2200
SK40-SBJ16-8P	06-51	2000	MT5-SBJ16-8P	2300
SK50-SBJ16-8P		2200	MT6-SBJ16-8P	2400
R8-SBJ16-8P		2000	C20-SBJ16-8P	2200

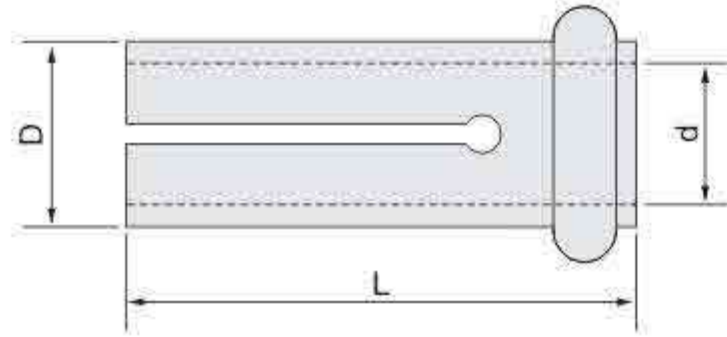


型號 Model	鏜孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
SBJ1606-24	6-9	24	WBGT0601_L		
SBJ1608-32	8-11	32	TBGT0601_L	T20040S	T6F
SBJ1610-40	10-13	40	TBGT0601_L	T20040S	T6F
SBJ1612-53	12-15	53	TPGH0902_L	T25050S	T8F
SBJ1614-60	14-17	60	TPGH0902_L	T25050S	T8F
SBJ1616-68	16-21	68	TPGH0902_L	T25050S	T8F
SBJ1620-83	20-26	83	TPGH1103_L	T30060S	T8F
SBJ1625-90	25-31	90	TPGH1103_L	T30060S	T8F
SBJ1630-90	30-36	90	TPGH1103_L	T30060S	T8F
SBJ1635-90	35-41	90	TPGH1103_L	T30060S	T8F
SBJ1640-90	40-46	90	TPGH1103_L	T30060S	T8F
SBJ1645-90	45-51	90	TPGH1103_L	T30060S	T8F
SBJ1606-50	6-9	50	TBGT0601_L	T20040S	T6F
SBJ1608-90	8-11	90	TBGT0601_L	T20040S	T6F
SBJ1610-90	10-13	90	TBGT0601_L	T20040S	T6F
SBJ1612-90	12-15	90	TPGH0902_L	T25050S	T8F
SBJ1614-100	14-17	100	TPGH0902_L	T25050S	T8F
SBJ1616-120	16-21	120	TPGH0902_L	T25050S	T8F
SBJ1616-150	16-21	150	TPGH0902_L	T25050S	T8F
SBJ1620-120	20-26	120	TPGH1103_L	T30060S	T8F
SBJ1620-150	20-26	150	TPGH1103_L	T30060S	T8F
SBJ1620-200	20-26	200	TPGH1103_L	T30060S	T8F
SBJ1625-150	25-31	150	TPGH1103_L	T30060S	T8F
SBJ1625-200	25-31	200	TPGH1103_L	T30060S	T8F
SBJ1630-150	30-36	150	TPGH1103_L	T30060S	T8F
SBJ1630-200	30-36	200	TPGH1103_L	T30060S	T8F
SBJ1635-150	35-41	150	TPGH1103_L	T30060S	T8F
SBJ1635-200	35-41	200	TPGH1103_L	T30060S	T8F
SBJ1640-150	40-46	150	TPGH1103_L	T30060S	T8F
SBJ1640-200	40-46	200	TPGH1103_L	T30060S	T8F
SBJ1645-150	45-51	150	TPGH1103_L	T30060S	T8F
SBJ1645-200	45-51	200	TPGH1103_L	T30060S	T8F

注：鏜孔1mm-42mm深孔系列請選擇22頁,SBJ套筒+TL鈷鋼抗震刀杆+BE鏜頭,小孔徑請選擇19頁SBJ整體鈷鋼鏜刀

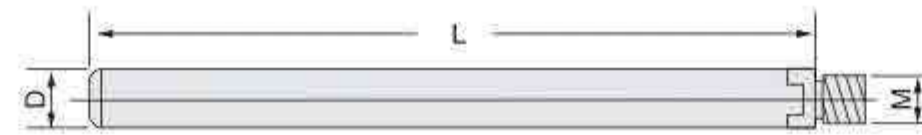


SBJ/NBH2084鎢鋼刀杆專用套筒
SBJ/NBH2084 Collet For Supre Head Solid Caibide Boring Bar



型號 Model	尺寸 Size(mm)			单价 RMB
	D	d	L	
New! SBJ 16-3	16	4	37	70
16-4	16	4	37	70
New! 16-5	16	5	37	70
16-6	16	6	37	70
16-7	16	8	37	70
16-8	16	8	37	70
16-10	16	10	37	70
16-12	16	12	37	70
16-14	16	14	37	70
NBH 2084-6	20	6	37	100
2084-8	20	8	37	100
2084-10	20	10	37	100
2084-12	20	12	37	100
2084-14	20	14	37	100
2084-16	20	16	37	100

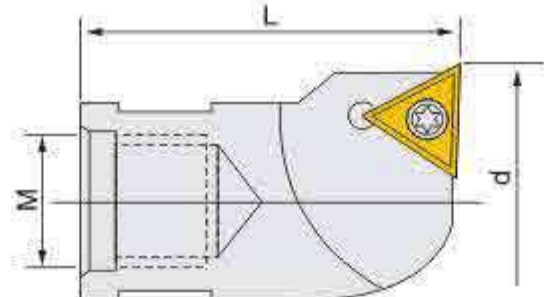
TL抗震鎢鋼刀杆
TL Anti-shank Solid Carbide Boring Bar



型號 Model	尺寸 Size(mm)			鏜孔範圍 Boring Range	組合鏜頭 Modular Boring	单价 RMB
	D	L	M			
TL 08-M5-100	8	100	M5	9-13	BE09	360
08-M5-150	8	150	M5	9-13	BE09	450
10-M6-120	10	120	M6	12-15	BE12	360
10-M6-160	10	160	M6	12-15	BE12	416
12-M6-120	12	120	M6	14-17	BE14	416
12-M6-160	12	160	M6	14-17	BE14	520
New! 14-M6-100	14	160	M6	16-20	BE16	650
14-M6-160	14	160	M6	16-20	BE16	650
14-M6-200	14	200	M6	16-20	BE16	900
New! 16-M10-100	14	160	M10	18-42	BE18-BE52	800
16-M10-160	16	160	M10	18-42	BE18-BE52	800
16-M10-200	16	200	M10	18-42	BE18-BE52	950

鏜孔深度不得超過孔徑六倍 The boring depth should be no more than 6 times of the hole.

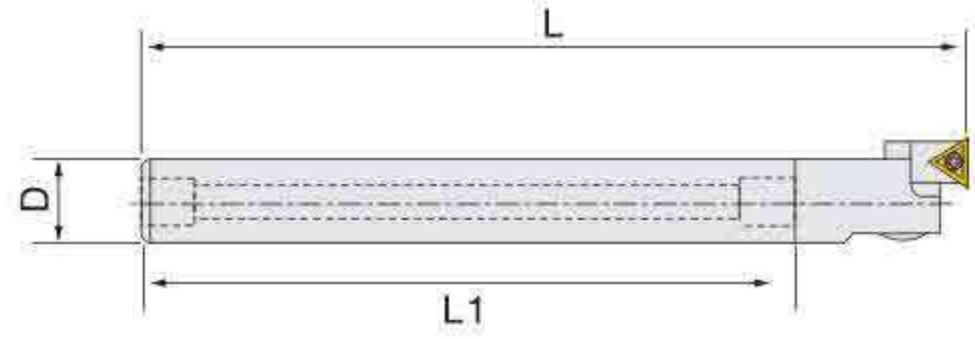
BE 捨棄式鏜頭
BE Throw-away Boring Head



型號 Model	尺寸 Size(mm)			鏜孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench	单价 RMB
	d	L	M					
BE 09	09	18	M5	9-10.5	TP**0802	T22050S	T8F	100
10.5	10.5	18	M5	10.5-12				100
12	12	23	M6	12-14				100
14	14	23	M6	14-16				100
16	16	23	M6	16-18				100
18	18	27	M10	18-20				100
20	20	27	M10	20-22				100
22	22	27	M10	22-24				100
24	24	27	M10	24-26				100
26	26	27	M10	26-28				100
28	28	27	M10	28-30				100
30	30	27	M10	30-32				100
32	32	27	M10	32-34				140
34	34	27	M10	34-36				140
36	36	27	M10	36-38				140
38	38	27	M10	38-40				200
40	40	27	M10	40-42				200
42	42	27	M10	42-44				200
44	44	27	M10	44-46				300
46	46	27	M10	46-48				300
48	48	27	M10	48-50				400
50	50	27	M10	50-52				400

注：以上三種配件可配鏜頭CBI4、CBI5、CBI6、SBJ16、NBH2084使用。

LBK 整體鎢鋼鏜刀杆
LBK Solid Tungsten Carbide Boring Bar

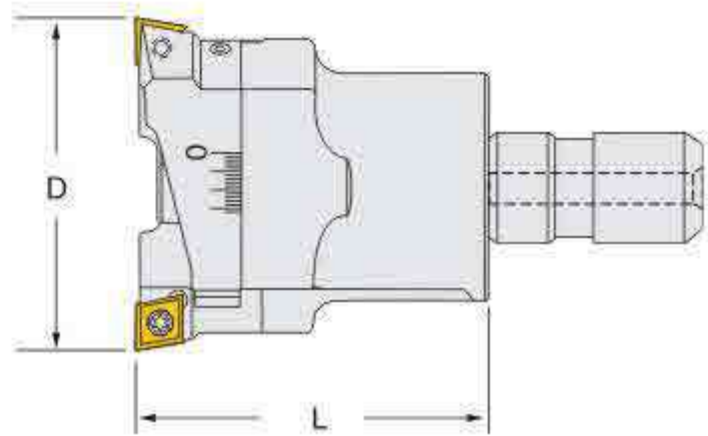


型號 Model	尺寸 Size(mm)			組合鏜頭 Modular Boring	单价 RMB
	D	L1	L		
LBK C19-LBK1-150	19	150	182.5	CBH20-36	1700
C19-LBK1-200	19	200	232.5		1875
C19-LBK1-250	19	250	282.5		2325
C19-LBK1-300	19	300	332.5		2875
New! C24-LBK2-150	24	150	185.5	CBH25-47	2300
C24-LBK2-200	24	200	235.5		2625
C24-LBK2-250	24	250	285.5		3188
C24-LBK2-300	24	300	335.5		3750
New! C24-LBK2-350	24	350	385.5		4980
C32-LBK3-200	32	200	240	CBH32-60	4400
C32-LBK3-250	32	250	290		5008
C32-LBK3-300	32	300	340		5900
C32-LBK3-350	32	350	400		7700
C32-LBK3-400	32	400	450		8800

特點/Feature

- 超硬碳化鎢制鏜刀杆，使用高韌性配方制造，堅韌耐用，實現高硬度、高剛性、高抗震性，可施行超深孔加工(10D)。
- 各種規格均有內部水孔，深孔加工時排屑及冷卻效果良好。
- 直柄結構，加工深度可依加工須求自行調整。
- Super hard tungsten carbide boring bar made from high toughness compound is tough and durable, highly materializing features of super hardness, high rigidity and extra vibration resistance, most suitable for extra depth boring(10D).
- Standard internal coolant hole is built in every size of the bar, best for cooling and chip evacuation in deep hple boring.
- Featuring straight shank stucture, the bar canbe adjusted to different working lengths.

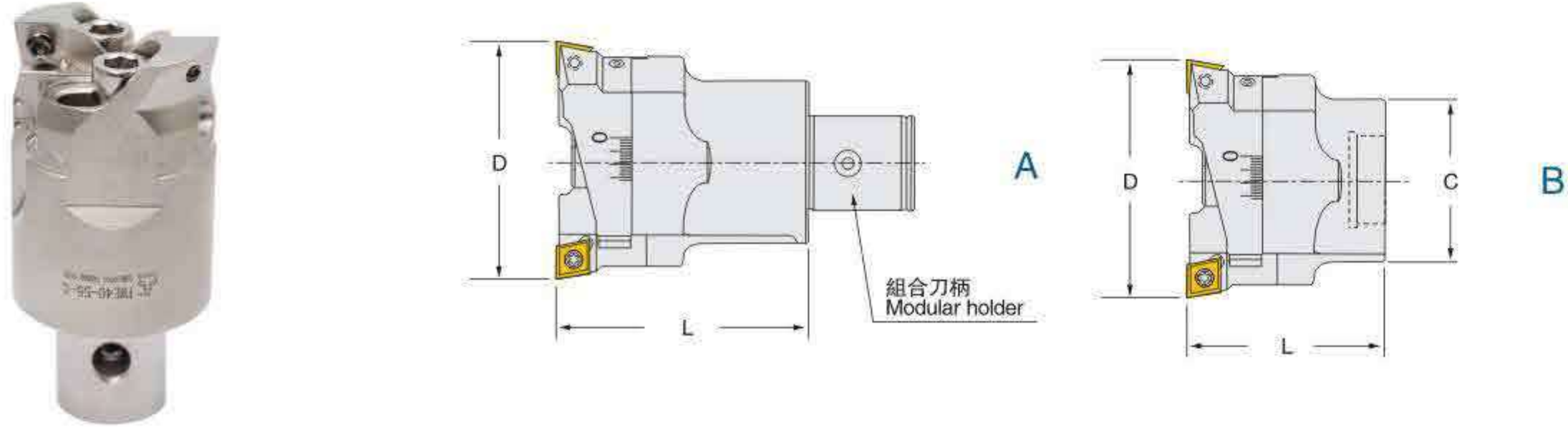
TWE螺紋雙刃粗鏜頭
Double blade coarse boring head for TWE thread



型號 Model	范围 Range	L	刀片型號 Insert
TWE14-17-M8	14-17	20	CCMT060204
TWE16-21-M8	16-21	28	CCMT060204
TWE19-26-M10	19-26	35	CCMT060204
TWE25-33-M12	25-33	35	CCMT060204
TWE32-42-M16	32-42	45	CCMT09T304
TWE40-55-M16	40-55	45	CCMT09T304

注：更大孔径可私人定制。 Note: larger aperture can be customized.

TWE锯齿式双刃粗鏜头
TWE Saw tooth type double edge rough boring head



型號 Model	圖示 Figure	尺寸 Size(mm)		鏜孔範圍 Boring Range D	組合刀柄 Modular Holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	单价 RMB
		C	L						
TWE1926-C	A	19	35	20-26	LBK1	CC**0602	T25050S	T8F	250
TWE2533-C	A	24	35	25-33	LBK2	CC**0602	T25050S	T8F	270
TWE3242-C	A	31	45	32-42	LBK3	CC**09T3	T40090G	T15F	320
TWE4054-C	A	39	40	40-54	LBK4	CC**09T3	T40090G	T15F	390
TWE5270-C	A	50	50	52-70	LBK5	CC**09T3	T40090G	T15F	480
TWE6895-C	A	64	65	68-95	LBK6	CC**1204	T40090G	T15F	600
TWE90122-C	A	95	95	90-122	LBK6	CC**1204	T40090G	T15F	700
TWE120164-C	B	95	95	120-164	BST	CC**1204	T50120G	T20F	900
TWE160204-C	B	95	95	160-204	BST	CC**1204	T50120G	T20F	1100

特點/Feature

- 適用單刃鏜孔，雙刃鏜孔及高低階鏜孔。鏜孔範圍：LBK分體式20-122 BST分體式120-910。
- 新型鋸齒滑座設計，刀被補強，加工時，滑座承受的二個作用力相互抵消，產生最大剛性和切削力，適用各形態的鏜孔作業。
- 可依照不同加工需求，輕易調整鏜刀，作少量多樣的加工。加工深度可配合延長杆至所需長度。
- 精華的側邊刻度，協助使用者輕易調整到所需的孔徑範圍。
- 適用在各型切削中心機或鏜床配合使用，并可配合各種廠牌規格相同的刀片。節省刀具研磨時間并大幅度增加鏜孔效率。
- 高低斷差設計，平刃或高低刃均可採用。
- 直徑120以上大孔徑鏜刀，使用直接組件，結構簡單剛性强。
- The head is suitable for single bit boring, twin-bit boring and step boring'with working diameter from $\Phi 25$ to 122 for modular TCK, $\Phi 120$ to 910 for modular BST.
- New cartridge style with built-up rib. The pressure imposed on both cartridges counteracts producing highest rigidity and cutting efficiency, most suitable for a variety of borings.
- Boring head can be easily adjusted to different boring needs for machining on demand. Boring depth can be extended by tool connection.
- Clear side division provides a convenient adjustment without using a tool pre-setter.
- Most suitable for boring on various machine centers or boring mill. Universal design accepts inserts of any brands, which will reduce tool grinding and greatly improve boring performance.
- Patented step boring design, suitable for both level boring and step boring.
- Boring heads over $\Phi 120$ mm feature directmodule, simple structure and high rigidity.

TWE大徑太空鋁雙刃粗鏜頭(減重型)
TWE Large diameter space aluminum double-edged rough head (weight reduction)

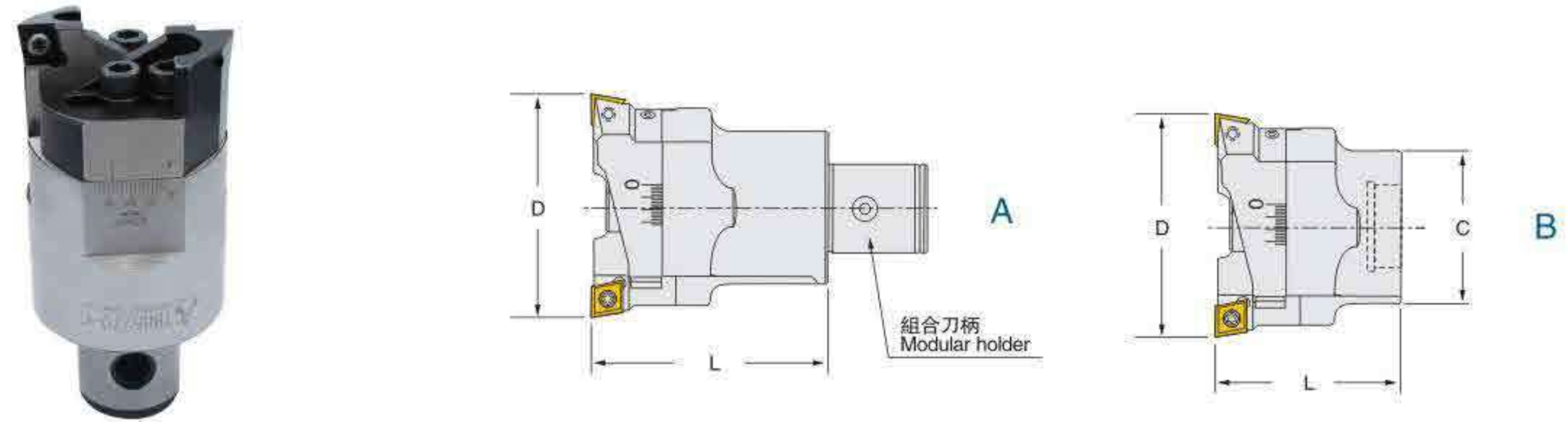


鏜孔範圍 $\Phi 200-\Phi 810$ mm組合系列 Boring Range From $\Phi 200-\Phi 810$ mm

型號 Model	尺寸 Size(mm)		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	单价 RMB
	C	L							
TWE200310	190	80	200-310	BST	CCMT120408	T50120G	T20F	3.7	1960
TWE300410	290	80	300-410					4.7	2700
TWE400510	390	90	400-510					5.7	3300
TWE500610	490	90	500-610					7.0	5000
New! TWE600910	590	90	600-910					8.3	9200
TWE9001200	690	90	900-1200					9.5	10000

注：更大孔径可私人定制。 Note: larger aperture can be customized.

RBH分體式粗鏜孔刀頭
RBH Modular Roughing Boring Head



型號 Model	圖示 Figure	尺寸 Size(mm)		鏜孔範圍 Boring Range D	組合刀柄 Modular Holder	刀片型號 Insert	螺絲 Screw	扳手 Wrench	单价 RMB
		C	L						
RBH1926-C	A	19	40	19-26	LBK1	CC**0602	T25050S	T8F	260
RBH2533-C	A	24	45	25-33	LBK2	CC**0602	T25050S	T8F	260
RBH3242-C	A	31	60	32-42	LBK3	CC**0602	T25050S	T8F	300
RBH4055-C	A	39	70	40-55	LBK4	CC**09T3	T40090G	T15F	400
RBH5270-C	A	50	75	52-70	LBK5	CC**09T3	T40090G	T15F	640
RBH6892-C	A	64	85	68-92	LBK6	CC**1204	T40090G	T15F	800
RBH90122-C	A	95	90	90-122	LBK6	CC**1204	T40090G	T15F	1150
RBH120164-C	B	95	85	120-164	BST	CC**1204	T50120G	T20F	1428
RBH160204-C	B	95	90	160-204	BST	CC**1204	T50120G	T20F	1700
RBH200-310-C	B	95	80	200-310	BST	CC**1204	T50120G	T20F	2300

特點/Feature

- 適用單刃鏜孔，雙刃鏜孔及高低階鏜孔。鏜孔範圍：LBK分體式19-122 BST分體式120-910。
- 新型刀刀滑座設計，刀被補強，加工時，滑座承受的二個作用力相互抵消，產生最大剛性和切削力，適用各形態的鏜孔作業。
- 可依照不同加工需求，輕易調整鏜刀，作少量多樣的加工。加工深度可配合延長杆至所需長度。
- 精華的側邊刻度，協助使用者輕易調整到所需的孔徑範圍。
- 適用在各型切削中心機或鏜床配合使用，并可配合各種廠牌規格相同的刀片。節省刀具研磨時間并大幅度增加鏜孔效率。
- 高低斷差設計，平刃或高低刃均可採用。
- 直徑120以上大孔徑鏜刀，使用直接組件，結構簡單剛性强。
- The head is suitable for single bit boring, twin-bit boring and step boring'with working diameter from $\Phi 25$ to 122 for modular TCK, $\Phi 120$ to 910 for modular BST.
- New cartridge style with built-up rib.The pressure imposed on both cartridges counteracts producing highest rigidity and cutting efficiency, most suitable for a variety of borings.
- Boring head can be easily adjusted to different boring needs for machining on demand. Boring depth can be extended by tool connection.
- Clear side division provides a convenient adjustment without using a tool pre-setter.
- Most suitable for boring on various machine centers or boring mill. Universal design accepts inserts of any brands, which will reduce tool grinding and greatly improve boring performance.
- Patented step boring design, suitable for both level boring and step boring.
- Boring heads over $\Phi 120$ mm feature directmodule, simple structure and high rigidity.

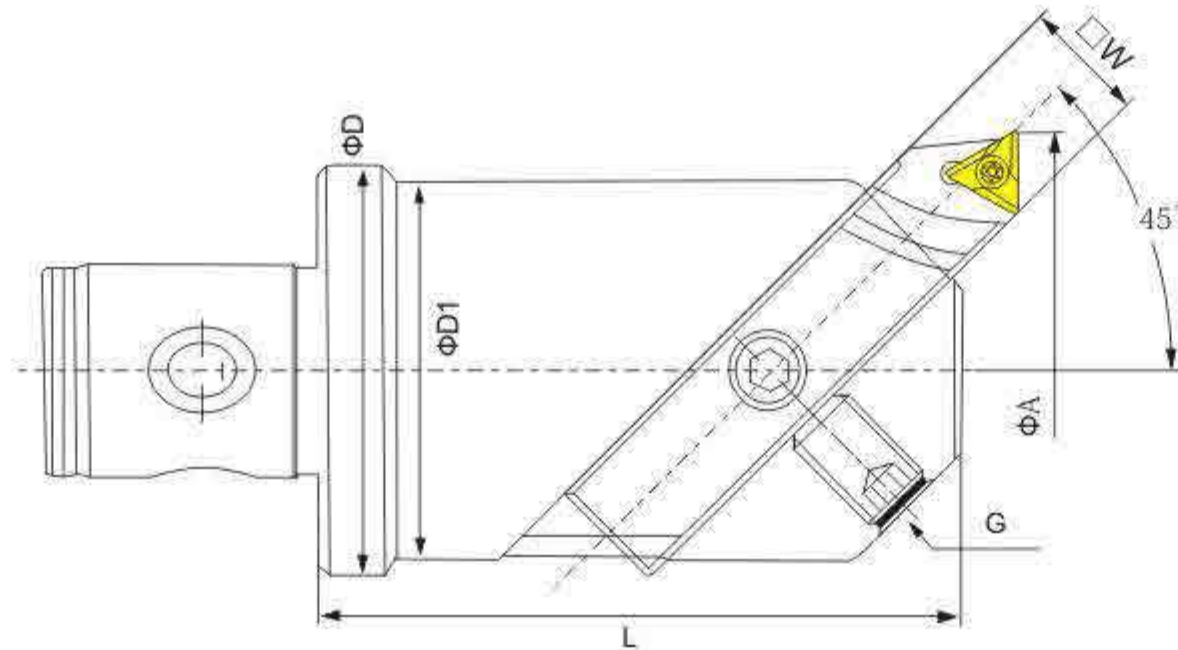
RBH 大徑雙刃粗鏜頭
RBH Large Diameter Modular Rough Boring



型號 Model	尺寸 Size(mm)		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	单价 RMB
	C	L							
RBH200310	180	130	200-310	BST	CCMT120408	T50120G	T20F	9.7	2400
RBH300410	280	130	300-410					11.7	4750
RBH400510	380	130	400-510					13.7	5750
RBH500610	480	130	500-610					15.7	6000
RBH600950	580	130	600-950					17.7	11250
RBH9001200	680	130	900-1200					19.7	13750

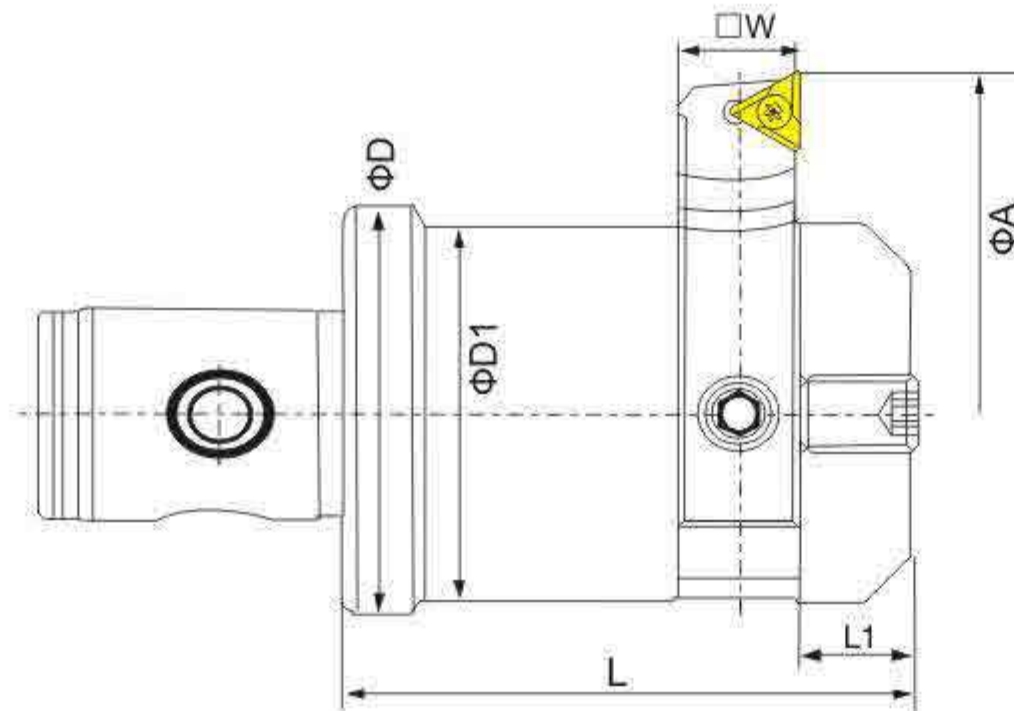
注：更大孔径可私人定制。 Note: larger aperture can be customized.

BSA 45° 鏜頭
BSA 45° Boring head



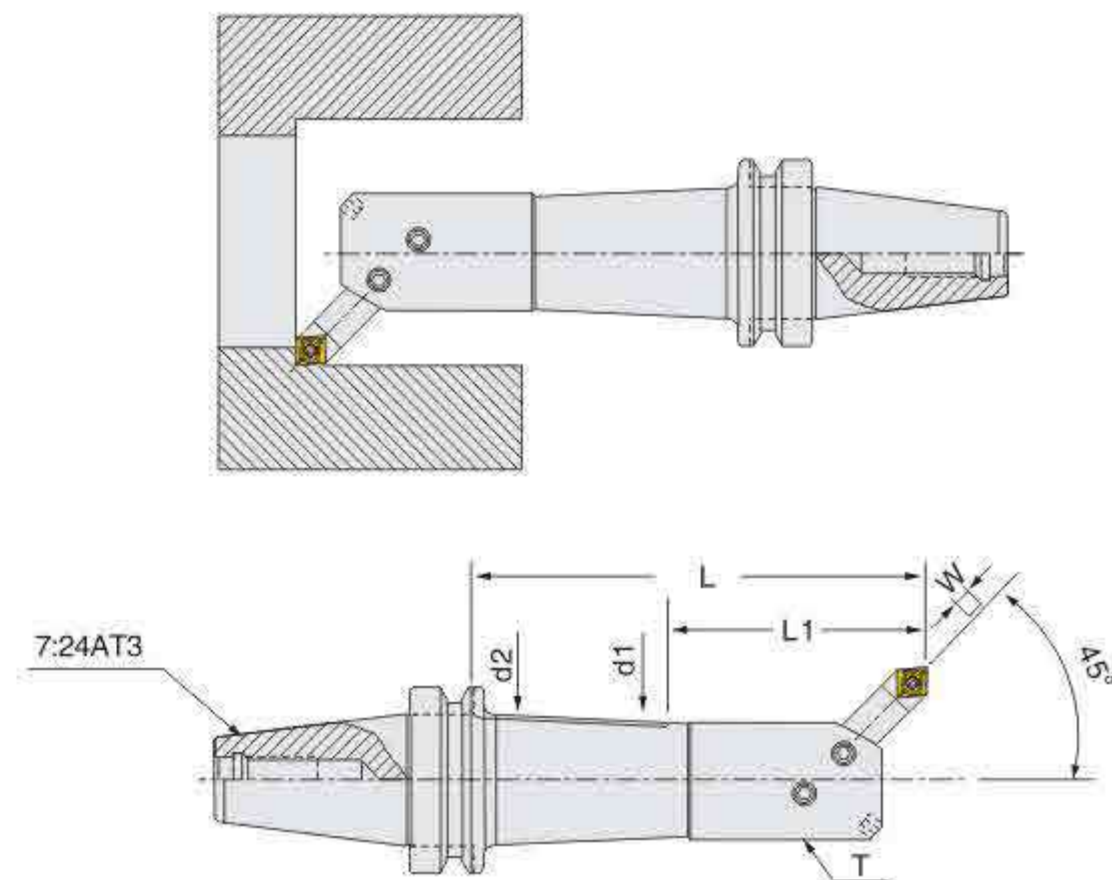
型号 Model	鏜孔范围 Boring range		尺寸 Size(mm)					单价 RMB
	ΦA min	ΦA max	ΦD	ΦD1	L	□W	G	
BSA25-LBK2	Φ25	Φ38	24	24	35	8	M6x1.00P	160
BSA30-LBK2	Φ30	Φ42	24	24	40	8	M6x1.00P	160
BSA38-LBK3	Φ38	Φ52	31	60	60	10	M8x1.25P	170
BSA50-LBK4	Φ50	Φ65	42	40	70	13	M10x1.50P	200
BSA62-LBK5	Φ65	Φ90	55	50	85	16	M12x1.75P	252
BSA72-LBK6	Φ72	Φ110	63	60	98	19	M12x1.75P	360
BSA90-LBK6	Φ90	Φ125	80	75	100	19	M12x1.75P	580
BSA105-LBK6	Φ105	Φ160	94	90	100	25	M12x1.75P	800

BSB 90° 鏜頭
BSB 90° Boring head



型号 Model	镗孔范围 Boring range		尺寸 Size(mm)						单价 RMB
	ΦA min	ΦA max	ΦD	ΦD1	L	L1	□ W	G	
BSB25-LBK2	Φ26	Φ38	24	20	45	10	8	M6x1.00P	160
<i>New!</i> BSB30-LBK2	Φ30	Φ42	25	24	45	10	8	M6x1.00P	160
BSB38-LBK3	Φ38	Φ70	31	30	55	10	10	M8x1.25P	170
BSB50-LBK4	Φ50	Φ90	42	40	60	10	13	M10x1.50P	200
BSB62-LBK5	Φ62	Φ115	55	50	70	12	16	M12x1.75P	252
BSB72-LBK6	Φ72	Φ135	63	60	85	12	19	M12x1.75P	360
BSB90-LBK6	Φ90	Φ150	80	75	100	15	19	M12x1.75P	580
BSB105-LBK6	Φ105	Φ190	90	90	100	15	25	M12x1.75P	800

BSA45° 粗鏜孔刀柄
BSA 45° Roughing Boring Bar



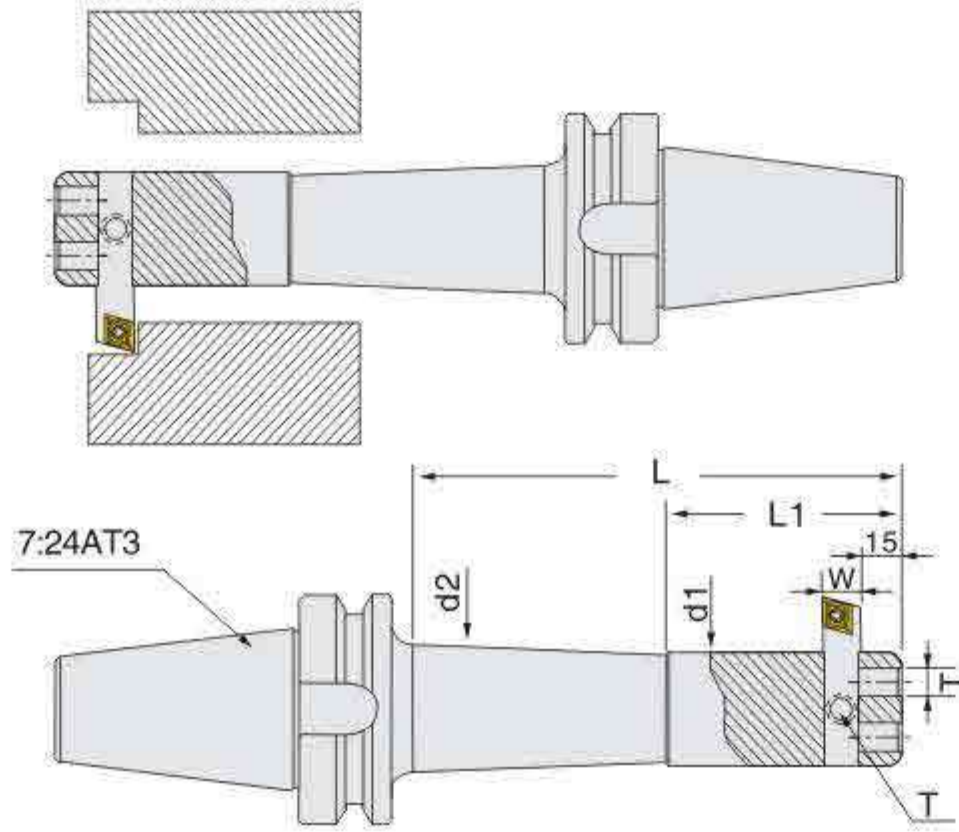
型號 Model		尺寸 Size(mm)				鏜孔範圍 Boring Range	W	螺絲 Screw T	重量 Weight
		d1	d2	L1	L				
BT40	BSA25-120	20	22	35	90	25-38	8	Sm6	1.3
	BSA30-150	24	26	40	120	30-42	8	SM6	1.5
	BSA38-165	30	33	50	135	38-52	10	SM8	1.8
	BSA42-165	34	37	50	135	42-56	10	SM8	2.1
	BSA50-165	40	44	65	135	25-38	13	SM8	2.4
	BSA50-220	40	44	65	220	50-65	13	SM8	4.0
	BSA62-180	50	56	80	150	62-90	16	SM10	2.5
	BSA62-220	50	56	80	220	62-90	16	SM10	4.2
	New! BSA62-240	50	56	95	240	62-90	19	Sm10	4.0
	New! BSA62-320	50	56	95	320	62-90	19	Sm10	9.0
	BSA72-180	60	-	95	150	72-110	19	SM10	4.4
BT50	BSA90-180	75	-	-	150	90-125	19	SM10	5.3
	BSA25-135	20	22	35	135	25-38	8	SM6	4.3
	BSA30-165	24	26	40	165	30-42	8	SM6	4.5
	BSA38-180	30	33	50	180	38-52	10	SM8	4.9
	BSA42-180	34	37	60	180	42-56	10	SM8	5.5
	BSA42-210	34	37	60	210	42-56	10	SM8	5.1
	BSA50-180	40	44	65	180	50-65	13	SM10	5.5
	BSA50-240	40	44	65	240	50-65	13	SM10	5.8
	BSA50-300	40	44	65	300	50-65	13	SM10	6.3
	BSA62-195	50	56	80	195	62-90	16	SM10	6.3
	BSA62-285	50	56	80	285	62-90	16	SM10	7.7
	BSA62-300	50	56	80	300	62-90	16	SM10	9.5
	BSA62-350	50	56	80	350	62-90	16	SM10	11.5
	New! BSA62-400	50	56	80	400	62-90	16	SM10	7.1
	BSA72-195	60	66	95	195	72-110	19	SM10	12.0
	BSA72-285	60	66	95	285	72-110	19	SM10	9.4
	BSA72-300	60	66	95	300	72-110	19	SM10	10.0
	BSA72-350	60	66	95	350	72-110	19	SM10	12.0
	New! BSA72-400	60	66	95	400	72-110	19	SM10	13.0
	BSA90-210	75	80	110	210	90-125	19	SM12	9.5
	BSA90-300	75	80	110	300	90-125	19	SM12	12.6
	BSA90-350	75	80	110	350	90-125	19	SM12	14.0
	BSA105-195	90	94	130	195	105-160	25	SM12	11.0
	BSA105-285	90	94	130	285	105-160	25	SM12	15.3
	BSA105-300	90	94	130	300	105-160	25	SM12	19.0
BSA105-350	90	94	130	350	105-160	25	SM12	26.0	

此刀柄有BT、NT、SK、BBT、CAT、MTA、HSK50A、63A 100A各種型號可選，深度可以自由搭配。

特點/Feature

- 可選用四角形熔焊刀具或捨棄式刀具。
- 鏜盲孔專用。
- We can also choose 4 corner joining cutter or throw-away cutting tools.
- Specially for blind hole.

BSB90° 粗鏢孔刀柄
BSB 90° Roughing Boring Bar



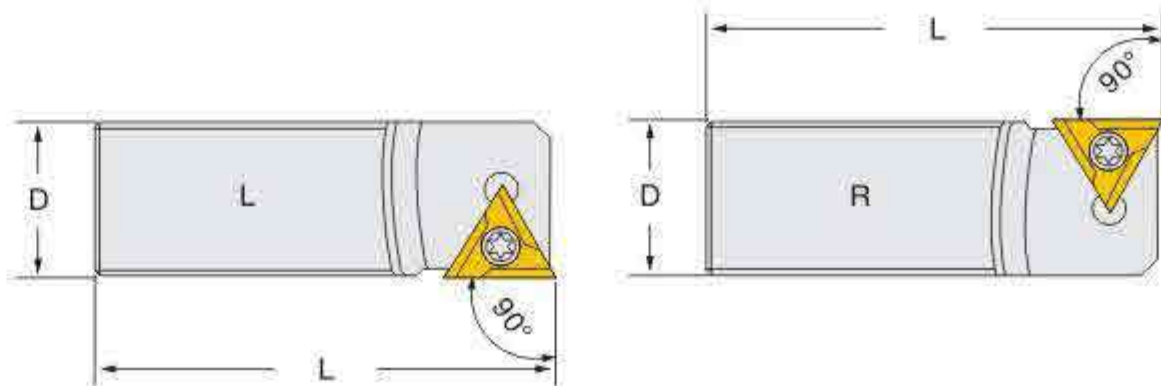
型號 Model	尺寸 Size(mm)				鏢孔範圍 Boring Range	W	螺絲 Screw T	重量 Weight
	d1	d2	L1	L				
BT40 BSB25-120	20	22	35	120	25-38	8	SM6	1.3
BSB30-150	25	26	24	150	30-42	8	SM6	1.4
BSB30-180	25	26	24	180	30-42	8	SM6	1.8
New! BSB30-210	25	26	24	210	30-42	8	SM6	2.0
BSB38-165	30	33	55	165	38-70	10	SM8	1.7
New! BSB38-240	30	33	55	240	38-70	10	SM8	*
BSB42-165	35	37	60	165	42-56	10	SM8	2.0
BSB50-165	40	44	70	165	50-90	13	SM10	2.6
BSB62-180	50	56	80	180	62-115	16	SM10	3.7
BSB62-240	50	56	80	240	62-115	16	SM10	5.5
BSB72-180	60	66	95	180	72-135	19	SM12	3.9
BSB90-180	75	80	-	180	90-150	19	SM12	6.0
BT50 BSB25-135	20	22	35	135	25-52	8	SM6	4.5
BSB38-180	30	33	55	180	38-70	10	SM8	5.1
BSB42-180	34	37	50	180	48-80	13	SM10	5.5
BSB42-210	34	37	50	210	48-80	13	SM10	6.0
BSB50-180	40	44	70	180	50-90	13	SM10	5.7
New! BSB50-195	40	44	70	195	50-90	13	SM10	6.0
BSB50-240	40	44	70	240	50-90	13	SM10	6.7
BSB50-300	40	44	70	300	50-90	13	SM10	6.7
New! BSB50-350	40	44	70	350	50-90	13	SM10	7.5
New! BSB50-400	40	44	70	400	50-90	13	SM10	8.0
BSB62-195	50	56	80	195	62-115	16	SM10	6.7
New! BSB62-285	50	56	80	270	62-115	16	SM10	7.0
BSB62-300	50	56	80	300	62-115	16	SM10	7.5
BSB62-350	50	56	80	350	62-115	16	SM10	8.1
New! BSB62-400	60	66	95	400	62-115	16	SM10	9.0
New! BSB62-450	60	66	95	450	62-115	16	SM10	11.0
BSB72-195	60	66	95	195	72-135	19	SM12	7.6
BSB72-285	60	66	95	285	72-135	19	SM12	9.9
BSB72-300	60	66	95	300	72-135	19	SM12	11.5
New! BSB72-340	60	66	95	340	72-135	19	SM12	11.0
BSB72-350	60	66	95	350	72-135	19	SM12	14.0
BSB72-400	60	66	95	400	72-135	19	SM12	15.0
New! BSB72-450	60	66	95	450	72-135	19	SM12	12.76
New! BSB72-500	60	66	95	500	72-135	19	SM12	14.82
BSB90-210	75	80	115	210	90-150	19	SM12	10.0
New! BSB90-225	75	80	115	225	90-150	19	SM12	8.42
BSB90-300	75	80	115	300	90-150	19	SM12	13.0
BSB90-350	75	80	155	350	90-150	19	SM12	15.0
New! BSB90-400	75	80	155	400	90-150	19	SM12	*
New! BSB90-450	75	80	155	450	90-150	19	SM12	17.06
New! BSB90-500	75	80	155	500	90-150	19	SM12	18.5
BSB105-195	90	94	-	195	105-190	25	SM12	11.7
BSB105-285	90	94	135	285	105-190	25	SM12	16.0
BSB105-300	90	94	135	300	105-190	25	SM12	19.0
BSB105-350	90	94	135	350	105-190	25	SM12	26.0
New! BSB105-400	90	94	135	400	105-190	25	SM12	21.5
New! BSB105-450	90	94	135	450	105-190	25	SM12	26
New! BSB105-500	90	94	135	500	105-190	25	SM12	29

此刀柄有BT、NT、SK、BBT、CAT、MTA、HSK50A、63A 100A各種型號可選，深度可以自由搭配

特點/Feature

- 適用於孔徑凹凸不平，毛坯粗糙之加工物。
- 可選用四角形熔焊刀具或捨棄式刀具。
- 適用通孔，背鏢加工。
- Suitable for accidented hole neck or roughness workpieces.
- We can also choose 4 corner jointing cutter or throw-away cutting tools.
- Specially for blind hole.

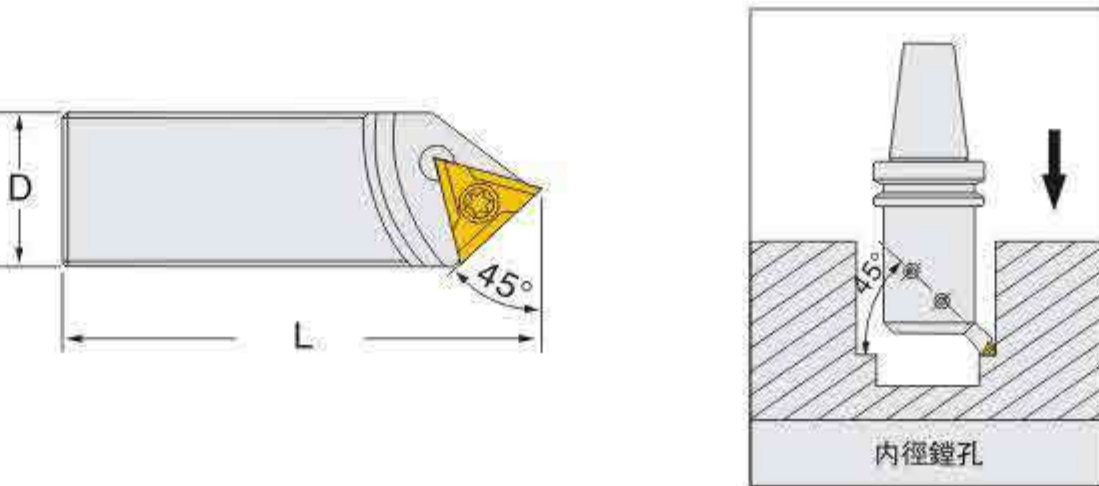
TBS捨棄式鏢孔刀杆
TBS Hole Boring Throw-away Cutting Tools



T90度刀杆適用於BSB刀柄 Fit For BSB Boring Bar

型號 Model	尺寸 Size(mm)		鏢孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
	D	L					
TBS 910-45-L/R	10	45	50-70	TP**0902	T22050S	T8F	80
TBS 913-55-L/R	13	55	70-90	TC**1102	T25050S	T8F	80
916-80-L/R	16	80	90-115				80
TBS 919-105-L/R	19	105	105-140	TC**16T3	T40090S	T15F	120
925-125-L/R	25	125	140-190				240

R為右手刀背鏢專用



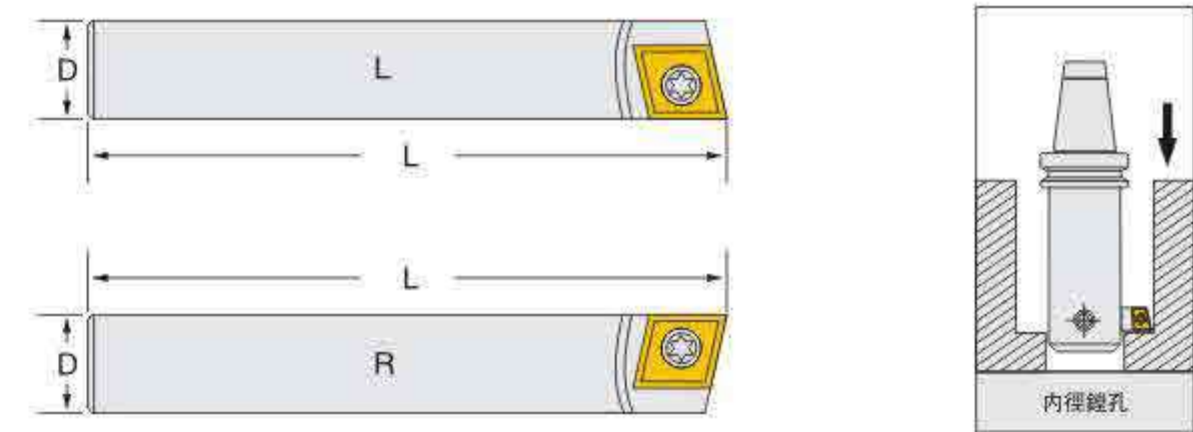
T45度刀杆適用於BSA刀柄 Fit For BSA Boring Bar

型號 Model	尺寸 Size(mm)		鏢孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
	D	L					
TBS 410-50	10	50	42-56	TP**0902	T22050S	T8F	80
TBS 413-60	13	60	50-65				80
New! 413-75	13	75	65-95	TP**1103	T30070S	T8F	80
416-75	16	75	62-90				80
TBS 419-115	19	115	90-125	TC**16T3	T40090S	T15F	120
425-130	25	130	105-160				240

特點/Feature

- TBS適合精加工及中切削加工。
- TBS cutter is suit for precision and moderate machining.

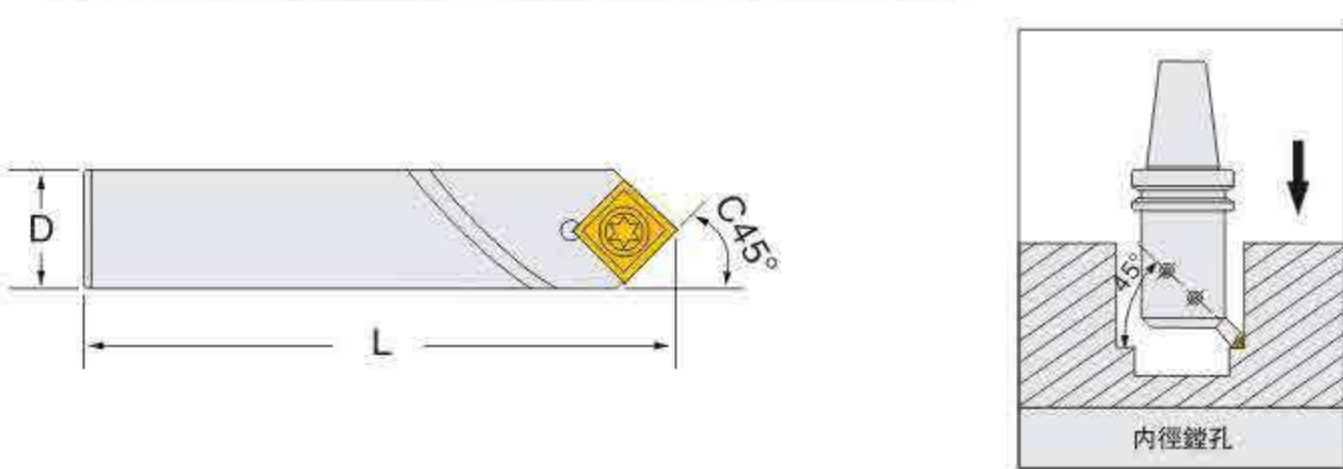
CBS捨棄式鏢孔刀杆
CBS Hole Boring Throw-away Cutting Tools



C90度刀杆適用於BSB刀柄 Fit For BSB Boring Bar

型號 Model	尺寸 Size(mm)		鏢孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
	D	L					
CBS 908-30-L	8	30	38-52	CC**0602	T25050S	T8F	80
910-45-L/R	10	45	50-70				80
CBS 913-65-L	13	48	50-70				80
New! 913-80-R	13	65	70-90	CC**09T3	T40090S	T15F	80
916-80-L/R	16	80	90-115				80
CBS 919-105-L/R	19	105	115-150	CC**1204	T50120S	T20F	120
925-135-L	25	135	140-190				240
New! 925-150-L	25	150	190-230				300

R為右手刀背鏢專用



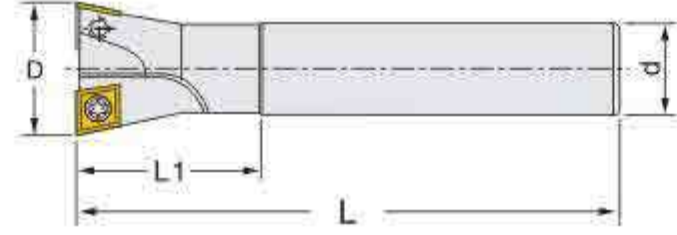
C45度刀杆適用於BSA刀柄 Fit For BSA Boring Bar

型號 Model	尺寸 Size(mm)		鏢孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
	D	L					
CBS 408-35	8	35	30-42	CC**0602	T25050S	T8F	80
410-45	10	45	38-52				80
CBS 413-60	13	60	50-65				80
New! 413-100	13	100	65-105	CC**09T3	T40090S	T15F	120
416-75	16	75	62-90				80
CBS 419-115	19	115	90-125				120
New! 419-160	19	160	125-175	CC**1204	T50120S	T20F	240
425-120	25	130	105-160				240

特點/Feature

- CBS適合重切削加工。It suit for heavy cutting machining.

TB雙刃粗鏢刀杆
TB Twin-bit Rough Boring Head RBH



型號 Model	刃數 No. of Flutes	尺寸 Size(mm)				刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
		D	d	L ₁	L				
TB TB-8.7-130-C16	1	8.7	16	40	130	CCMT060204	T25050S	T8F	160
TB-9.7-130-C16	1	9.7	16	45	130				160
TB-10.7-130-C16	1	10.7	16	55	130				160
TB-11.7-130-C16	1	11.7	16	60	130				160
TB-12.7-130-C16	1	12.7	16	65	130				160
TB-13.7-130-C16	1	13.7	16	70	130				100
TB-14.7-150-C16	2	14.7	16	70	150				100
TB-15.7-160-C16	2	15.7	16	70	160				100
TB-16.7-160-C16	2	16.7	16		160				100
TB-17.7-160-C16	2	17.7	16		160				100
TB-18.7-160-C16	2	18.7	16		160	CCMT060204	T25050S	T8F	100
TB-19.7-160-C16	2	19.7	16		160				100
TB-20.7-180-C20	2	20.7	20		180				100
TB-21.7-180-C20	2	21.7	20		180				120
TB-22.7-180-C20	2	22.7	20		180				120
TB-23.7-180-C20	2	23.7	20		180				120
TB-24.7-180-C20	2	24.7	20		180				120
TB-25.7-180-C20	2	25.7	20		180	CCMT09T304	T40080S	T15F	120
TB-26.7-200-C20	2	26.7	20		200				160
TB-27.7-200-C25	2	27.7	20		200				160
TB-28.7-200-C25	2	28.7	25		200				160
TB-29.7-200-C25	2	29.7	25		200				160
TB-30.7-220-C25	2	30.7	25		220				160
TB-31.7-220-C25	2	31.7	25		220				160
TB-32.7-250-C32	2	32.7	25		250	CCMT09T304	T40080S	T15F	200
TB-33.7-250-C32	2	33.7	32		250				200
TB-34.7-250-C32	2	34.7	32		250				200
TB-35.7-250-C32	2	35.7	32		250				200
TB-36.7-250-C32	2	36.7	32		250				220
TB-37.7-250-C32	2	37.7	32		250				220
TB-38.7-250-C32	2	38.7	32		250	CCMT09T304	T40080S	T15F	220
TB-39.7-250-C32	2	39.7	32		250				220
TB-40.7-250-C32	2	40.7	32		250				220
TB-41.7-250-C32	2	41.7	32		250				240
TB-42.7-250-C32	2	42.7	32		250	CCMT09T304	T40080S	T15F	240
TB-43.7-250-C32	2	43.7	32		250				240
TB-44.7-250-C40	2	44.7	32		250				240
TB-45.7-250-C40	2	45.7	32		250				320
TB-46.7-250-C40	2	46.7	32		250	CCMT09T304	T40080S	T15F	320
TB-47.7-250-C32/40	2	47.7	32		250				320
TB-48.7-250-C40	2	48.7	32		250				320
TB-49.7-250-C40	2	49.7	40		250				380
TB-54.7-250-C40	2	54.7	40		250	CCMT09T304	T40080S	T15F	380
NEW! TB-59.7-250-C40	2	59.7	40		250				400
NEW! TB-64.7-250-C40	2	64.7	40		250				440
NEW! TB-69.7-250-C40	2	69.7	40		250				500
TB-15.7-240-C16	2	15.7	16		240	CCMT060204	T25050S	T8F	420
TB-16.7-240-C16	2	16.7	16		240				*
TB-17.7-240-C16	2	17.7	16		240				*
TB-18.7-240-C16	2	18.7	16		240				*
TB-19.7-240-C16	2	19.7	16		240				*
TB-20.7-260-C20	2	20.7	20		260				*
TB-21.7-260-C20	2	21.7	20		260				*
TB-22.7-260-C20	2	22.7	20		260	CCMT09T304	T40080S	T15F	*
TB-23.7-260-C20	2	23.7	20		260				*
TB-24.7-260-C20	2	24.7	20		260				*
TB-25.7-260-C20	2	25.7	20		260				*
TB-26.7-280-C20	2	26.7	20		280				*
TB-27.7-280-C20	2	27.7	20		280				*
TB-28.7-280-C25	2	28.7	25		280				*
TB-29.7-280-C25	2	29.7	25		280				*
TB-30.7-280-C25	2	30.7	25		280				*
TB-31.7-280-C25	2	31.7	25		280				*

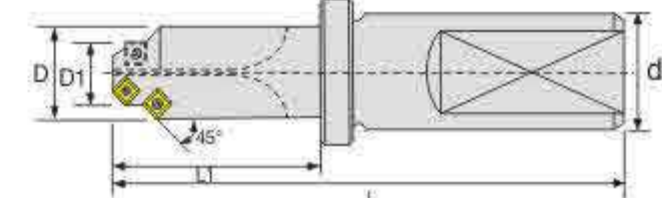
SB固定式雙刃粗鏢頭
SB Fixed Twin-bit Rough Boring Head



型號 Model	刃數 No. of Flute	尺寸 Size(mm)			刀片型號 Insert	螺絲 Screw	扳手 Wrench	單價 RMB
		D	d	H				
SB 44.7-22	2	44.7	22	50	CCMT 09T308	T40080S	T15F	460
49.7-22	2	49.7	22	50				460
NEW! 51.7-22	2	51.7	22	50				460
54.7-22	2	54.7	22	50				460
59.7-22	2	59.7	22	50				460
NEW! 61.7-22	2	61.7	22	50				460
NEW! 64.7-27	2	64.7	27	50				510
NEW! 69.7-27	2	69.7	27	50				510
NEW! 71.7-27	2	71.7	27	50				510
NEW! 74.7-27	2	74.7	27	50				510
NEW! 79.7-27	2	79.7	27	50				510
84.7-27	2	84.7	27	50				510
89.7-32	2	89.7	32	50				600
94.7-32	2	94.7	32	50				600
99.7-32	2	99.7	32	50				600
104.7-32	2	104.7	32	63				600
109.7-32	2	109.7	32	63				700
114.7-32	2	114.7	32	63				700
119.7-32	2	119.7	32	63				700
124.7-32	2	124.7	32	63				700
129.7-32	2	129.7	32	63				700

適用/SUITABLE: 日立刀片/HITACHI INSERT 盈克YKEL

TH 螺絲沉頭孔銑刀
TH Countersunk head screw hole cutter



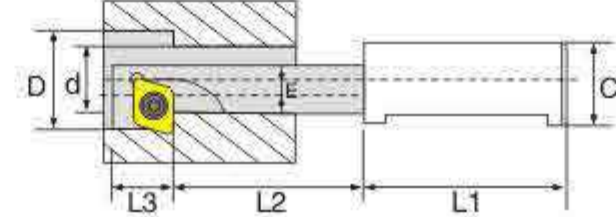
把傳統的鑽頭與沉頭加工結合於一體，一次加工完成，大幅提高螺絲沉頭孔的加工效率 The traditional saving head with heavy head nressing/Subtle for an organic whole, finish in one time.A substantial increase in countersunk head screw holeWork efficiency

型號 Model	刃數 Teeth	尺寸 Size(mm)					刀片 Blade	螺釘 Screw	板手 Wrench	單價 RMB
		D	D1	d	L1	L				
TH-M6-11-C20-110	2	11	2.9	20	-	110	CCMT060204	T25065S	T8 F	240
TH-M6-11-C25-110	2	11	2.9	25	21	110				240
TH-M8-14-C25-110	2	14	2.9	25	21	110				240
TH-M10-17.5-C25-110	3	17.5	7.8	25	26	110				240
TH-M12-20-C25-110	3	20	10.8	25	30	110	CCMT09T308	T4080S	T15F	240
TH-M14-23-C25-120	3	23	8.5	25	34.5	120				290
TH-M16-26-C32-120	3	26	11.5	32	39	120				290
TH-M18-29-C32-120	3	29	14.5	32	43.5	120				340
TH-M20-32-C32-120	3	32	-	32	59	120				340
TH-M24-38-C32-120	3	38	-	38	60	120				360
TH-M30-48-C32-120	3	48	-	48	70	120				400

倒角沉頭刀
Chamfering knife head



減少二次加工, 增加微調機械不用正反轉, 減少損壞概率, 特殊設計本體剛性最佳 Reduce the secondary processing, increase the trimming machine's positive /negative, reduce the probability of damage. Specially designed rigid body best



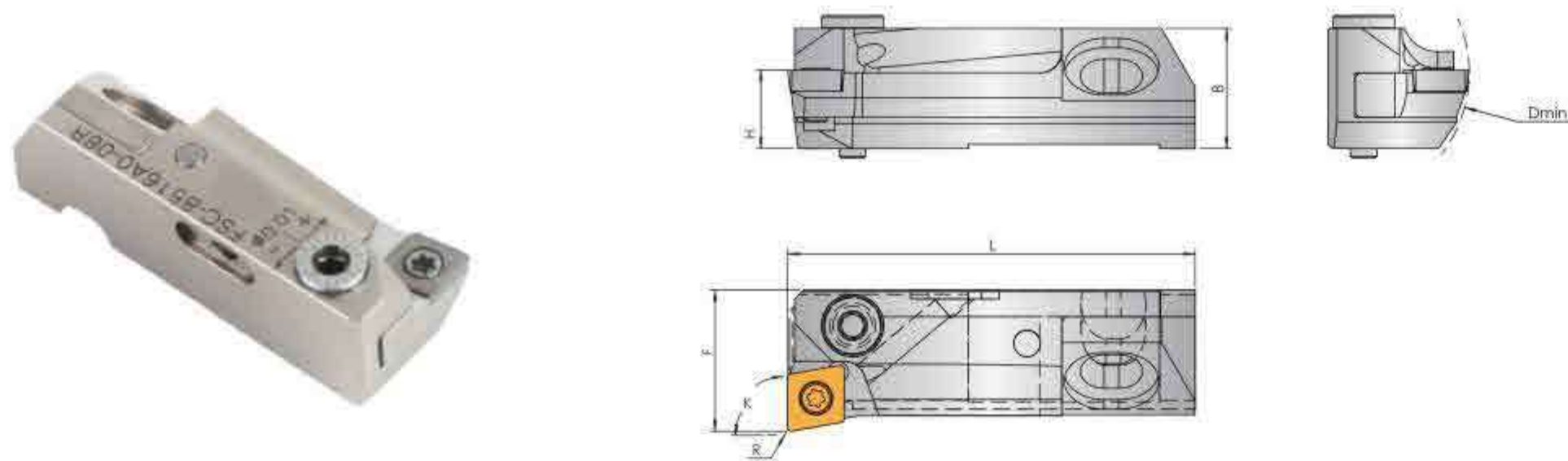
型號 Model	尺寸 Size(mm)						刀片 Blade	螺釘 Screw	板手 Wrench	單價 RMB
	D	d	C	L1	L2	L3				
M10-1810	18	10.5	16	48	35	13	CCMT060204	T25065S	T8F	240
M12-2013	20	13	16	48	40	13				240
M14-2315	23	15	16	48	50	13				280
M16-2617	26	17	20	50	50	13				280
M20-3321	33	21	25	56	70	13	CCMT09T308	T40080S	T15F	280
M24-4025	40	25	25	56	80	13				280

導柱沉頭刀系列
Guide post countersunk head tool series



型號 Model	刃數 No. of Flute	尺寸 Size(mm)			
-------------	-----------------------	-------------	--	--	--

精鏢頭
Fine boring head

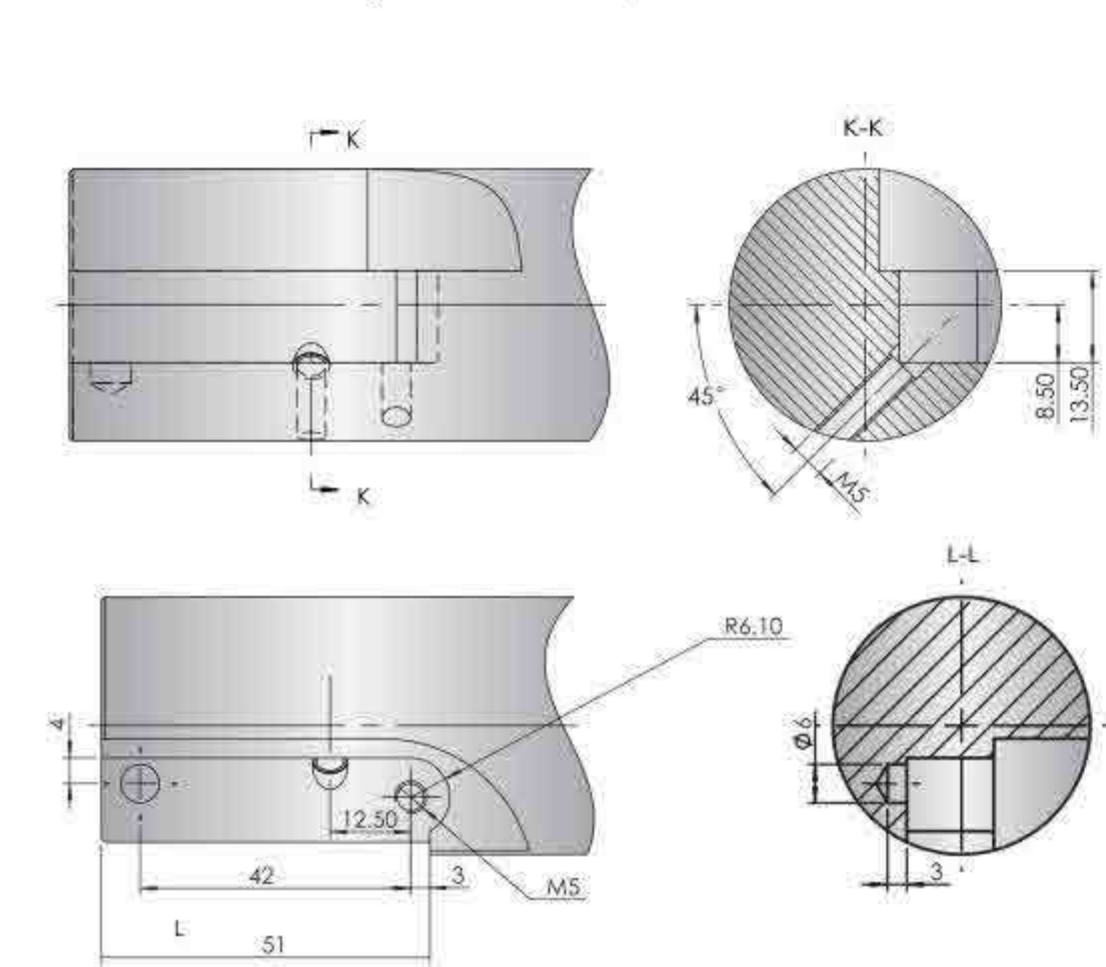


型號 Model	Dmin	L	F	B	H	K	R	適合刀片 Inert	適合刀片 Inert
FSC-8516A0-06-R/L	28	45.8	16	13.5	8.5	90°	0.4	CC 0602	DM2.5x6-T8
FSC-8516A5-06-R/L						95°		TP 0902	DM2.5x6-T8
FST-8516A0-09-R/L						90°			
FST-8516A5-09-R/L						95°			
FSD-8516A30-07-R/L	36	47.5	20	13.5	8.5	120°	0.4	DC 0702	DM2.5x6-T8
FST-8520A0-11C-R/L		45.8				90°		TC 1102	
FST-8520A5-11C-R/L						95°		TP 1103	DM3x6-T10
FST-8520A0-11P-R/L						90°			
FST-8520A5-11P-R/L						95°			

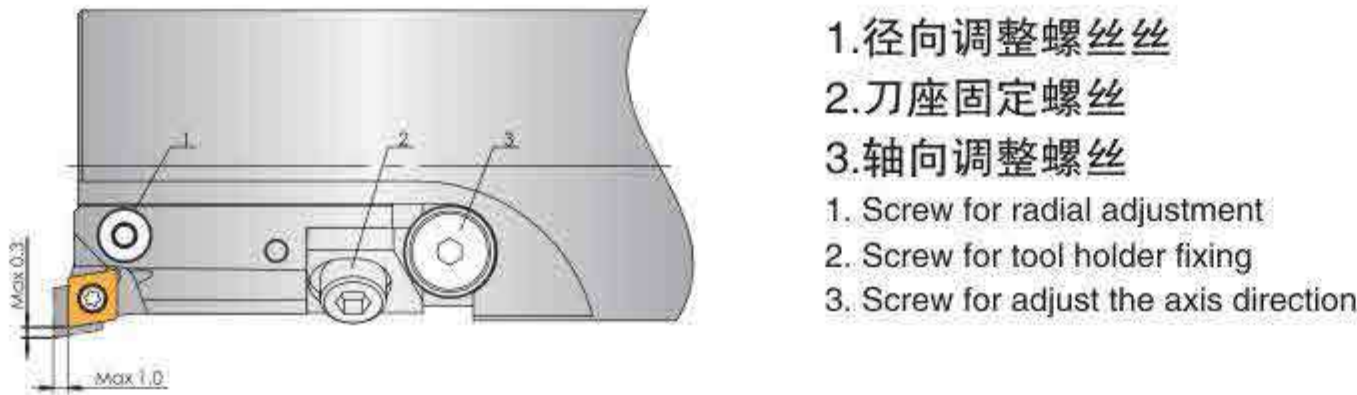
刀片請單獨訂購。
微調精度為直徑中 $\varnothing 0.01\text{mm}$ 。
徑向調整行程 $0\sim\varnothing 0.6\text{mm}$ ，軸向行程 $0\sim 1.0\text{mm}$ 。
Please order the insert separately.
Fine adjustment accuracy diameter is $\varnothing 0.01\text{mm}$.
Radial range: $0\sim\varnothing 6\text{mm}$, Axial range: $0\sim 10\text{mm}$.

備件 Spare Parts	名稱 Name	型號 Model
	軸向調節塊	SV-12
	軸向調整螺絲	SVM5-20
	刀座固定螺絲	RMM5x20
	刀座固定扳手	PS-4B
	徑向調整扳手	PS-2.5B
	軸向調整扳手	PS-3B

微調刀座說明
Fine tuning tool holder instructions
刀座安裝尺寸說明
Cutter holder mounting dimension description

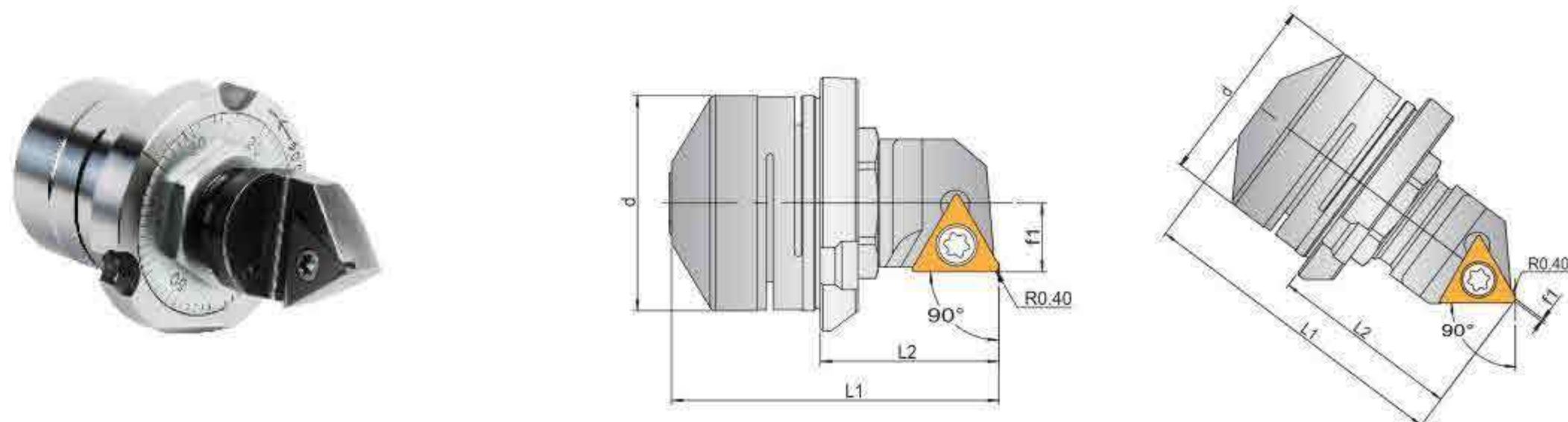


刀座調整說明
Tool holder adjustment instructions



軸向調整操作
稍微鬆開刀座鎖緊螺絲2。順時針旋轉軸向調整螺絲3，刀座向前移動至所需尺寸。
擰緊刀座鎖緊螺絲2。
直徑調整操作
順時針方向旋轉徑向調整螺絲1，刀具直徑變大（每格中 $\varnothing 0.01\text{mm}$ ）
逆時針方向旋轉徑向調整螺絲1，刀具直徑變小（每格 $\varnothing 0.01\text{mm}$ ）
注意：若刀座需要軸向往後調整，應當鬆開刀座鎖緊螺絲，並將刀座移至最後位置，然後逐漸向前調整至所需尺寸。
Adjust axis direction operation
Slightly loosen the screw 2. Turn clockwise the screw 3. Move the tool holder forward to the required size. Tighten the screw 2.
Adjust diameter operation
Turn the screw 1 clockwise. tool diameter becomes larger ($\varnothing 0.01\text{mm}/\text{grid}$) Turn the screw 1 counterclockwise, tool diameter becomes smaller ($\varnothing 0.01\text{mm}/\text{grid}$) Notice: If the tool holder needs to adjust the axis direction backwards, you should loosen the screw 2, and move the tool holder to the last position, gradually move forward to the desired position.

微調單元
Trimming unit

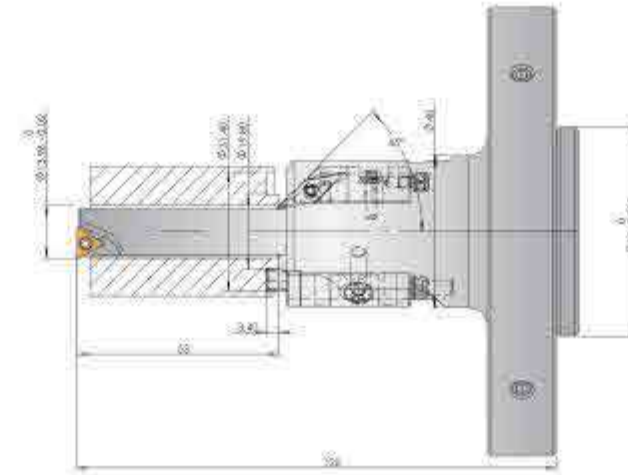


安裝方式 Installation mode	型號 Model	主偏角 Approach angle	切入角 Cutting edge angle	Dmin最小加工直徑 Minimum machining diameter	d	L1	L2	f1	適合刀片 Inert	刀片螺絲組 Screw
	R/L148C-31-CC06	90°	0°	25.5	16	25.15	14.3	0.45	CC 0602	DM2.5x6-T8
	R/L148C-31-TC06			24.8		25.3	14.3	0.49	TC 06T1	DM2x4-T6
	R/L148C-31-TB06			32.5	20	33.7	19.1	0.9	TB 0601	DM2x4-T6
	R/L148C-32-TC09								TC 0902	DM2.2x6-T6
	R/L148C-32-TP09			42	22	45.3	23	1.1	TP 0902	DM2.5x6-T8
	R/L148C-33-TC1102								TC 1102	DM2.5x6-T8
	R/L148C-33-TP1103			59.5	32	62.3	33.3	1.2	TP 1103	DM3x7-T10
	R/L148C-34-TC16								TC 16T3	DM4x10-T15
	R/L148C-11-CC06	90°	0°	27	16	24.2	13.3	5.1	CC 0602	DM2.5x6-T8
	R/L148C-11-TC06								TC 06T1	DM2x4-T6
	R/L148C-11-TB06			36.5	20	32.9	18.3	6.3	TB 0601	DM2x4-T6
	R/L148C-12-TC09								TC0902	DM2.2x6-T6
	R/L148C-12-TP09			48.5	22	44.3	22.1	7.2	TP 0902	DM2.5x6-T8
	R/L148C-13-TC110								TC 1102	DM2.5x6-T8
	2R/L148C-13-TP110			68.4	32	62.7	32	10.3	TP 1103	DM3x7-T10
	3R/L148C-14-TC16								TC 16T3	DM4x10-T15

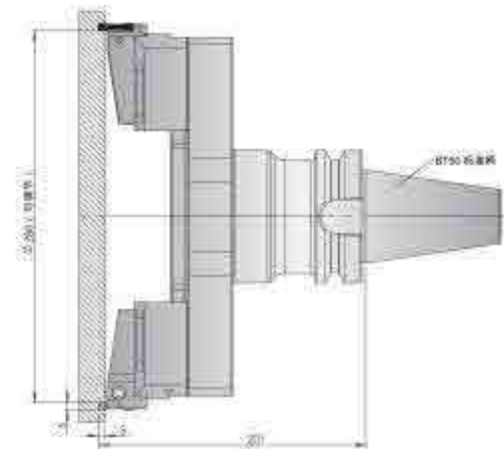
刀片請單獨訂購
Inserts are not included, please order it separately.



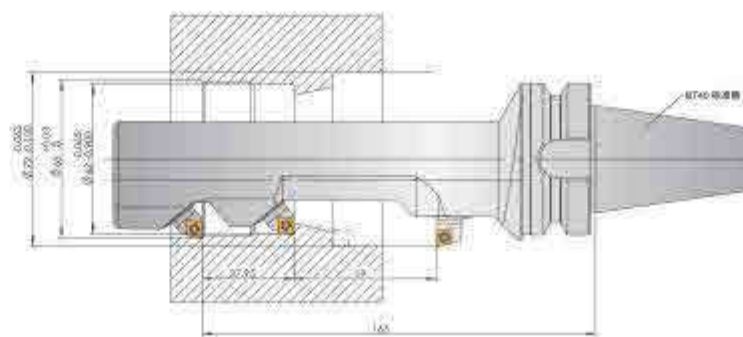
■ 壓縮機缸體曲軸孔精鏜、倒角及凹槽端面精刮
The crankshaft hole on the compressor cylinder, chamfer and groove face scraping fine



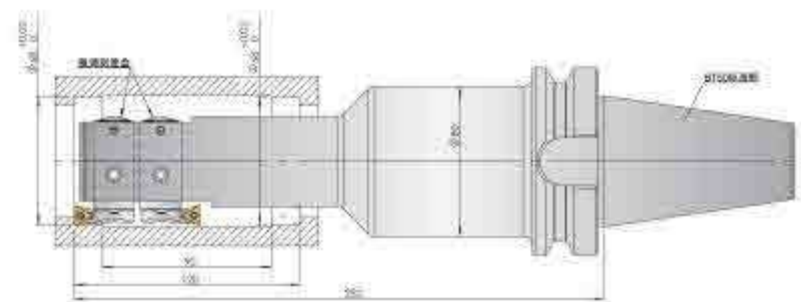
■ 大直徑端面槽加工
Machining of large diameter end face groove



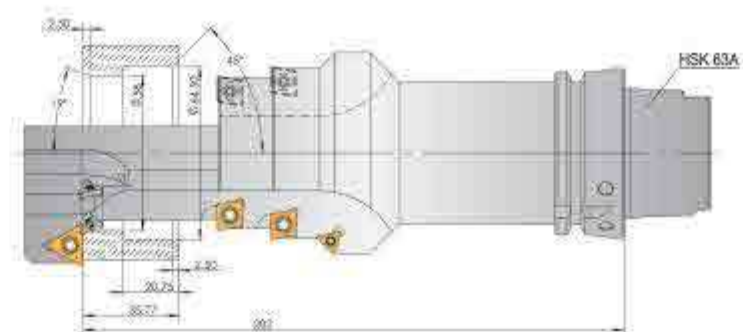
■ 精加工同心度要求高的正反多段臺階孔
A high degree of positive and negative cross section holes with high concentricity



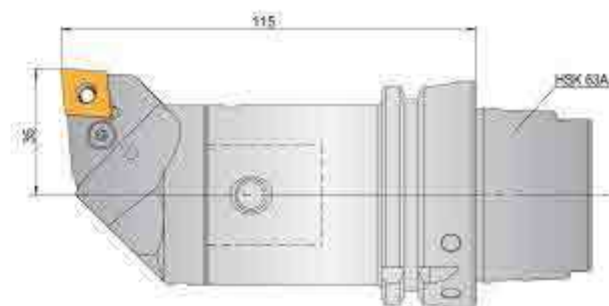
■ 精加工同心度要求高的正反臺階孔
Reverse and positive step holes with high concentricity required for finishing



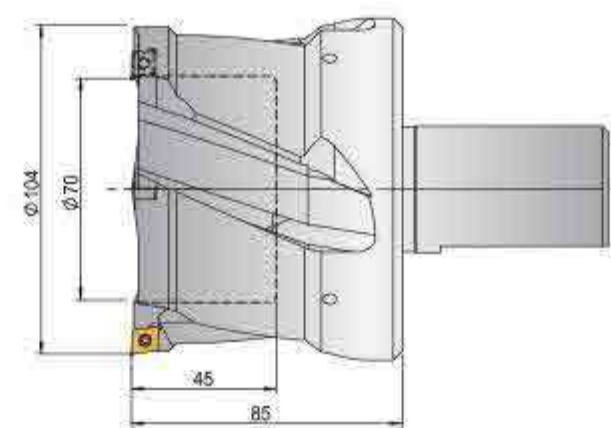
■ 正反粗鏜孔帶銼面、倒角復合
And with the end milling, rough boring chamfering compound



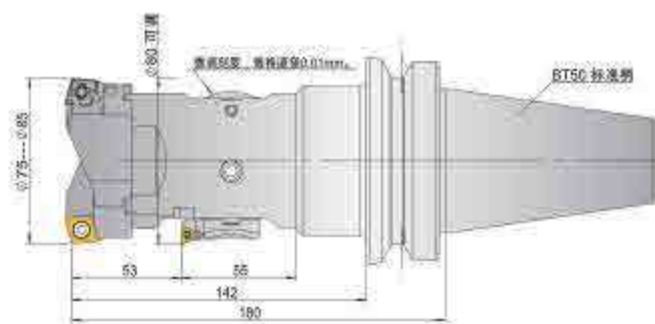
■ 複合加工機用刀具
Cutter for compound machining machine



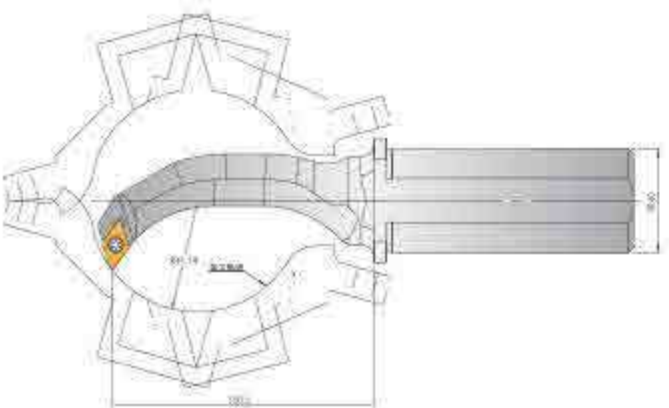
■ 電梯行業用套槽刀
Slot knife for elevator industry



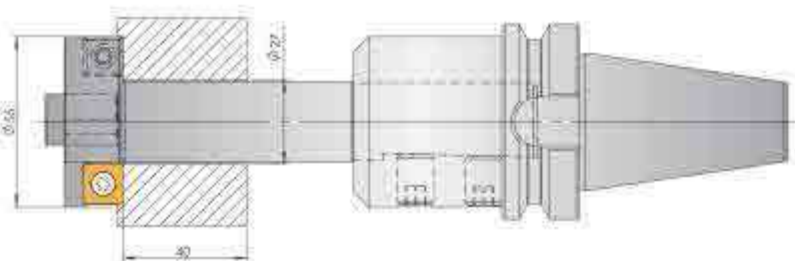
■ 粗精鏜一體式可調鏜刀
Coarse fine boring one type adjustable boring tool
Adjustable Boring Tool Integrated with Counter Bore



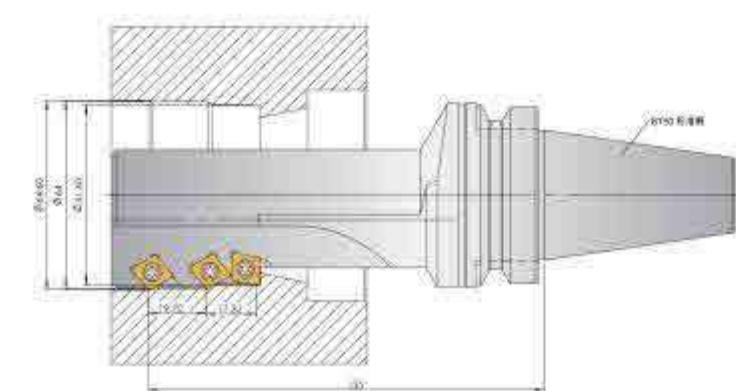
■ 异形仿形車刀
Abnormity copying turning tool



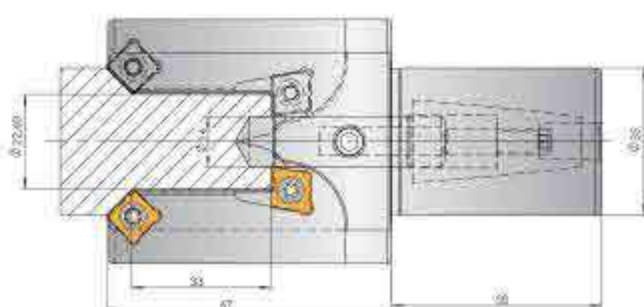
■ 快換式刀頭反刮端面
Quick change type cutter head anti scraping end face



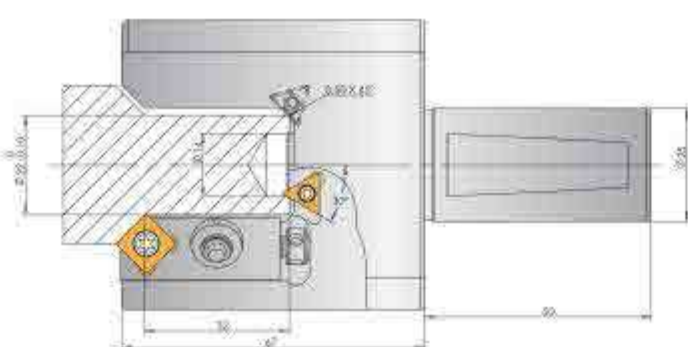
■ 粗加工反鏜臺階孔
Roughing boring step hole



■ 壓縮機缸體粗套外圓、平端面及定中心孔
Compressor cylinder block rough sleeve circle, flat end face and centering hole



■ 壓縮機缸體精套外圓及內外倒角
Compressor cylinder block, outer sleeve and inside and outside chamfer



■ 粗鏜頭
Rough boring head

切削參數表
Cutting parameter table

BT40

鏜頭型號 Designation	工件材質 Workpiece Material	有效加工深度 Effective Depth of Cutting	刀尖R Tip Corner	切削速度 Cutting Speed	切削量mm/Ø Depth of Cutting		進給量mm/r Feed	
					推荐值	MAX	推荐值	MAX
TWE1926-LBK1	合金鋼	80	0.4	110	1.2	2	0.15	0.25
	不銹鋼			60	1.3	2	0.16	0.25
	鑄鐵			100	1.5	2.5	0.2	0.25
	鋁合金			150	1.8	2.5	0.22	0.3
TWE2533-LBK2	合金鋼	93	0.4	110	1.8	3	0.15	0.3
	不銹鋼			60	2	3	0.18	0.3
	鑄鐵			100	2.5	4	0.2	0.3
	鋁合金			150	2.8	4	0.25	0.35
TWE3242-LBK3	合金鋼	108	0.8	150	3	4	0.2	0.35
	不銹鋼			70	2.8	4	0.22	0.35
	鑄鐵			90	3.5	5	0.25	0.4
	鋁合金			150	4	5	0.25	0.4
TWE4055-LBK4	合金鋼	105	0.8	150	3.8	5	0.25	0.4
	不銹鋼			70	3.2	5	0.25	0.4
	鑄鐵			90	5	8	0.28	0.45
	鋁合金			150	6	8	0.35	0.45
TWE5270-LBK5	合金鋼	105	0.8	160	5.5	7	0.3	0.45
	不銹鋼			80	7.5	7	0.3	0.5
	鑄鐵			100	8.5	10	0.35	0.55
	鋁合金			150	6.5	10	0.4	0.45
TWE6892-LBK6	合金鋼	109	0.8	160	6.5	10	0.3	0.45
TWE90122-LBK6	不銹鋼			80	6.5	9	0.3	0.45
	鑄鐵			100	9.5	12	0.35	0.5
TWE120164-BST	鋁合金			150	10	12	0.4	0.55

本表是切削条件的选择基准。请根据机床、工件、铁屑的排出情况等作适当调整
This table is a selection principle for cutting parameter, please varies tothe terms of machine,piece,chipetc.

■ 粗鏜頭
Rough boring head

切削參數表
Cutting parameter table

BT50

鏜頭型號 Designation	工件材質 Workpiece Material	有效加工深度 Effective Depth of Cutting	刀尖R Tip Corner	切削速度 Cutting Speed	切削量mm/Ø Depth of Cutting		進給量mm/r Feed	
					推荐值	MAX	推荐值	MAX
TWE1926-LBK1	合金鋼	75	0.4	110	1.2	2	0.15	0.25
	不銹鋼			60	1.3	2	0.16	0.25
	鑄鐵			100	1.5	2.5	0.2	0.25
	鋁合金			150	1.8	2.5	0.22	0.3
TWE2533-LBK2	合金鋼	107.5	0.4	110	1.8	3	0.15	0.3
	不銹鋼			60	2	3	0.18	0.3
	鑄鐵			100	2.5	4	0.2	0.3
	鋁合金			150	2.8	4	0.25	0.35
TWE3242-LBK3	合金鋼	127	0.8	150	3	4	0.2	0.35
	不銹鋼			70	2.8	4	0.22	0.35
	鑄鐵			90	3.5	5	0.25	0.4
	鋁合金			150	4	5	0.25	0.4
TWE4055-LBK4	合金鋼	124	0.8	150	3.8	5	0.25	0.4
	不銹鋼			70	3.2	5	0.25	0.4
	鑄鐵			90	5	8	0.8	0.45
	鋁合金			150	6	8	0.35	0.45
TWE5270-LBK5	合金鋼	124	0.8	160	6	8	0.3	0.45
	不銹鋼			80	5.5	7	0.3	0.5
	鑄鐵			100	8	12	0.35	0.55
	鋁合金			150	8.5	12	0.4	0.45
TWE6892-LBK6	合金鋼	128	0.8	160	7.5	10	0.3	0.45
	不銹鋼			80	6.5	9	0.3	0.45
	鑄鐵			100	9.5	14	0.35	0.5
	鋁合金			150	10	12	0.4	0.55
TWE90122-LBK6	合金鋼	128	0.8	160	8.5	12	0.3	0.45
TWE160204-BST	不銹鋼			80	6.5	9	0.3	0.45
	鑄鐵			100	9.5	14	0.35	0.5
	鋁合金			150	10	12	0.4	0.55
大于370(TWE系列)	合金鋼	152	0.8	160	8.5	12	0.3	0.45
	不銹鋼			80	6.5	9	0.3	0.45
	鑄鐵			100	9.5	14	0.35	0.5
	鋁合金			150	10	12	0.4	0.55
大于370(TWE系列)	合金鋼	152	0.8	160	5.5	8	0.3	0.45
	不銹鋼			80	4.5	6	0.3	0.45
	鑄鐵			100	7	10	0.35	0.5
	鋁合金			150	7.5	8	0.4	0.55

本表是切削条件的选择基准。请根据机床、工件、铁屑的排出情况等作适当调整
This table is a selection principle for cutting parameter, please varies tothe terms of machine,piece,chipetc.



精鏜頭
Fine boring head

切削參數表
Cutting parameter table

BT40

鏜頭型號 Designation	工件材質 Workpiece Material	有效加工深度 Effective Depth of Cutting	刀尖R Tip Corner	切削速度 Cutting Speed	切削量mm/Ø Depth of Cutting		進給量mm/r Feed	
					推荐值	MAX	推荐值	MAX
CBH20-36LBK1	合金鋼	80	0.2	140	0.2	0.4	0.06	0.15
	不銹鋼			80	0.2	0.4	0.06	0.15
	鑄鐵			90	0.25	0.5	0.06	0.15
	鋁合金			180	0.25	0.5	0.06	0.15
CBH25-47LBK2	合金鋼	93	0.2	150	0.2	0.4	0.06	0.15
	不銹鋼			90	0.2	0.4	0.06	0.15
	鑄鐵			100	0.25	0.5	0.06	0.15
	鋁合金			180	0.25	0.5	0.06	0.15
CBH32-60LBK3	合金鋼	108	0.4	150	0.25	0.5	0.06	0.15
	不銹鋼			120	0.25	0.5	0.06	0.15
	鑄鐵			110	0.3	0.6	0.06	0.15
	鋁合金			250	0.3	0.6	0.08	0.15
CBH41-74LBK4	合金鋼	105	0.4	50	0.3	0.5	0.06	0.15
	不銹鋼			120	0.3	0.5	0.06	0.15
	鑄鐵			110	0.35	0.6	0.06	0.15
	鋁合金			250	0.35	0.6	0.08	0.15
CBH53-95LBK5	合金鋼	105	0.4	150	0.3	0.5	0.08	0.15
	不銹鋼			120	0.3	0.5	0.08	0.15
	鑄鐵			110	0.35	0.6	0.08	0.15
	鋁合金			250	0.35	0.6	0.10	0.2
CBH68-150LBK6	合金鋼	109	0.4	150	0.3	0.5	0.08	0.15
	不銹鋼			120	0.3	0.5	0.08	0.15
CBH100-203LBK6	鑄鐵			110	0.35	0.6	0.08	0.15
	鋁合金			250	0.35	0.6	0.10	0.2

本表是切削条件的选择基准。请根据机床、工件等具体情况，进行适当调整
高压内冷加工可能会使用刀柄挠曲。公差要求很严格时，请降低冷却液的压强
作为钢件加工的磨损对策，建议用金属陶瓷涂层
使用CBN材材质，建议用干式切削

This chart is the principle for selecting cutting parameters. please adjust consider machine, work piece etc.
High pressure inside coolant might cause holder bend. As tolerance is strict, reduce coolant pressure
As a solution aimed at wear out of machining steel, we suggest adopt alloy ceramic insert with coating
Use CBN insert, recommend dry cutting

精鏜頭
Fine boring head

切削參數表
Cutting parameter table

BT50

鏜頭型號 Designation	工件材質 Workpiece Material	有效加工深度 Effective Depth of Cutting	刀尖R Tip Corner	切削速度 Cutting Speed	切削量mm/Ø Depth of Cutting		進給量mm/r Feed	
					推荐值	MAX	推荐值	MAX
CBH20-36LBK1	合金鋼	75	0.2	140	0.2	0.4	0.06	0.15
	不銹鋼			80	0.2	0.4	0.06	0.15
	鑄鐵			90	0.25	0.5	0.06	0.15
	鋁合金			180	0.25	0.5	0.06	0.15
CBH25-47LBK2	合金鋼	107.5	0.2	150	0.2	0.4	0.06	0.15
	不銹鋼			90	0.2	0.4	0.06	0.15
	鑄鐵			100	0.25	0.5	0.06	0.15
	鋁合金			180	0.25	0.5	0.06	0.15
CBH32-60LBK3	合金鋼	127	0.4	150	0.25	0.5	0.06	0.15
	不銹鋼			120	0.25	0.5	0.06	0.15
	鑄鐵			110	0.3	0.6	0.06	0.15
	鋁合金			250	0.3	0.6	0.08	0.15
CBH41-74LBK4	合金鋼	124	0.4	150	0.3	0.5	0.06	0.15
	不銹鋼			120	0.3	0.5	0.06	0.15
	鑄鐵			110	0.35	0.6	0.06	0.15
	鋁合金			250	0.35	0.6	0.08	0.15
CBH53-95LBK5	合金鋼	124	0.4	150	0.3	0.5	0.08	0.15
	不銹鋼			120	0.3	0.5	0.08	0.15
	鑄鐵			110	0.35	0.6	0.08	0.15
	鋁合金			250	0.35	0.6	0.10	0.2
CBH68-150LBK6	合金鋼	128	0.4	150	0.3	0.5	0.08	0.15
	不銹鋼			120	0.3	0.5	0.08	0.15
CBH100-203LBK6	鑄鐵			110	0.35	0.6	0.08	0.15
	鋁合金			250	0.35	0.6	0.10	0.2
CBH系列	合金鋼	152	0.4	150	0.3	0.5	0.08	0.15
	不銹鋼			120	0.3	0.5	0.08	0.15
	鑄鐵			110	0.35	0.6	0.08	0.15
	鋁合金			250	0.35	0.6	0.10	0.2

本表是切削条件的选择基准。请根据机床、工件、铁屑的排出情况等作适当调整
This table is a selection principle for cutting parameter, please varies to the terms of machine, piece, chip etc.

硬質合金直柄刀柄
Straight shank carbide tool

切削參數表
Cutting parameter table

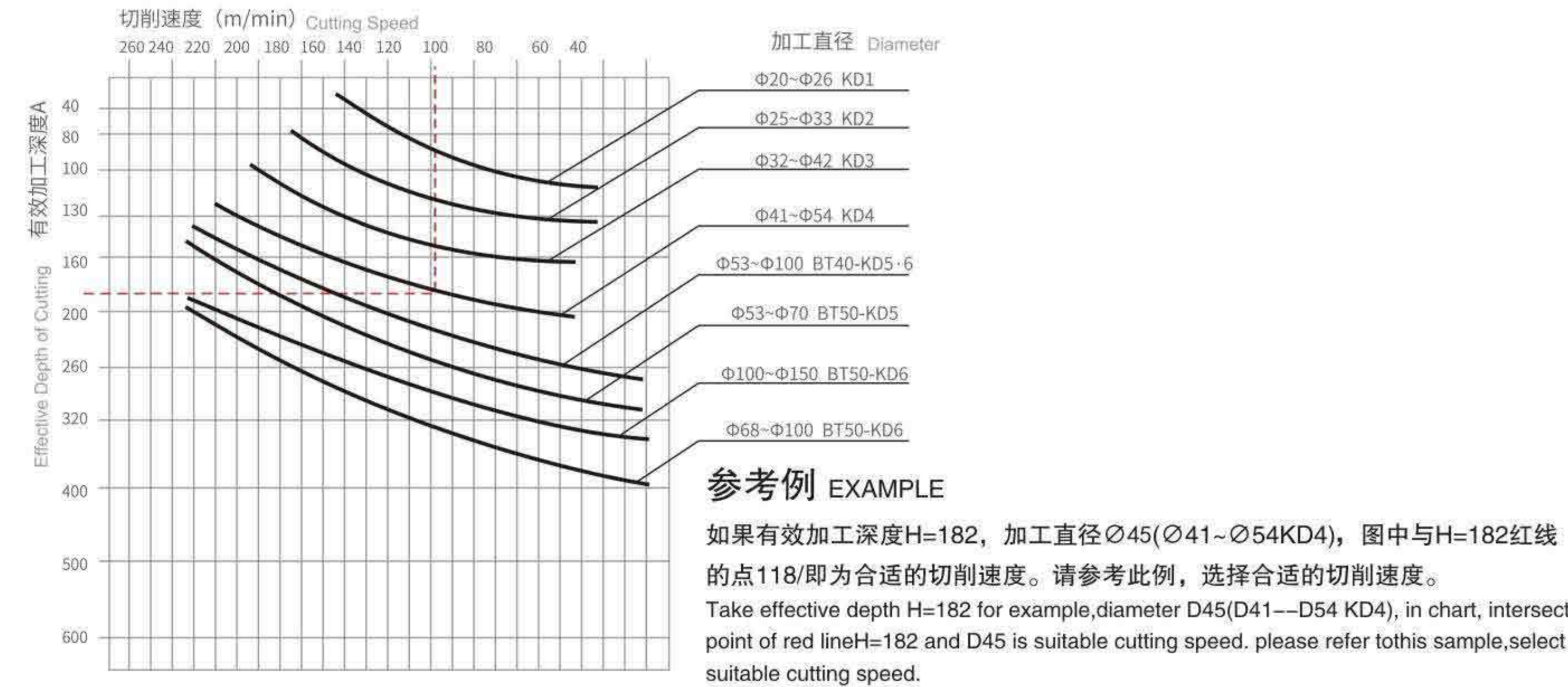
BT40

鏜頭型號 Designation	工件材質 Workpiece Material	有效加工深度 Effective Depth of Cutting	刀尖R Tip Corner	切削速度 Cutting Speed	切削量mm/Ø Depth of Cutting		進給量mm/r Feed	
					推荐值	MAX	推荐值	MAX
CBH20-36LBK1	碳鋼	90	0.4	150	0.25	0.3	0.07	0.15
		135	0.2	90	0.25	0.3	0.05	0.15
		160	0.2	45	0.2	0.3	0.05	0.1
		190	0.2	20	0.18	0.25	0.05	0.1
	鑄鐵	90	0.4	120	0.25	0.3	0.07	0.15
		135	0.2	90	0.25	0.3	0.05	0.12
		160	0.2	45	0.2	0.3	0.05	0.1
		190	0.2	20	0.18	0.25	0.05	0.08
	鋁合金	100	0.4	150	0.3	0.4	0.07	0.15
		150	0.2	75	0.25	0.35	0.05	0.15
		190	0.2	30	0.2	0.3	0.05	0.1
		210	0.2	20	0.16	0.22	0.04	0.08
CBH25-47LBK2	碳鋼	120	0.4	150	0.25	0.3	0.07	0.15
		160	0.2	90	0.25	0.3	0.05	0.15
		190	0.2	45	0.2	0.3	0.05	0.1
		235	0.2	20	0.18	0.25	0.05	0.1
	鑄鐵	120	0.4	120	0.25	0.3	0.07	0.15
		160	0.2	90	0.25	0.3	0.05	0.12
		190	0.2	45	0.2	0.3	0.05	0.1
		235	0.2	20	0.18	0.25	0.05	0.08
	鋁合金	125	0.4	150	0.25	0.3	0.07	0.15
		160	0.2	90	0.25	0.3	0.05	0.15
		190	0.2	45	0.2	0.3	0.05	0.1
		235	0.2	20	0.18	0.25	0.05	0.08
CBH32-60LBK3	碳鋼	120	0.4	120	0.25	0.3	0.07	0.15
		160	0.2	90	0.25	0.3	0.05	0.15
		190	0.2	45	0.2	0.3	0.05	0.1
		235	0.2	20	0.18	0.25	0.05	0.1
	鑄鐵	145	0.4	150	0.3	0.4	0.07	0.15
		190	0.2	75	0.25	0.35	0.07	0.12
		245	0.2	30	0.2	0.3	0.05	0.1
		300	0.2	20	0.16	0.22	0.04	0.08
	鋁合金	140	0.4	150	0.3	0.4	0.07	0.15
		170	0.2	75	0.25	0.35	0.07	0.15
		220	0.2	30	0.2	0.3	0.05	0.1
		260	0.2	20	0.16	0.22	0.04	0.08

本表是切削条件的选择基准。请根据机床、工件等具体情况，进行适当调整
高压内冷加工可能会使用刀柄挠曲。公差要求很严格时，请降低冷却液的压强
作为钢件加工的磨损对策，建议用金属陶瓷涂层
使用CBN材材质，建议用干式切削
This chart is the principle for selecting cutting parameters. please adjust consider machine, work piece etc.
High pressure inside coolant might cause holder bend. As tolerance is strict, reduce coolant pressure
As a solution aimed at wear out of machining steel, we suggest adopt alloy ceramic insert with coating
Use CBN insert, recommend dry cutting

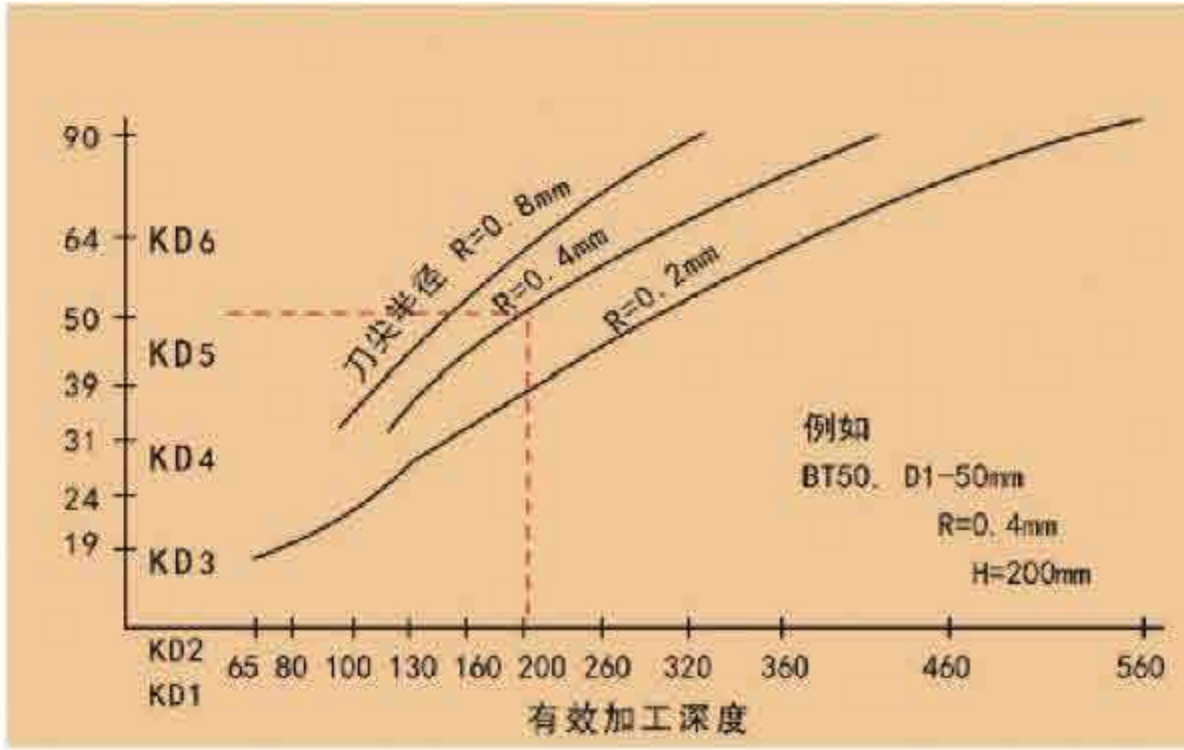
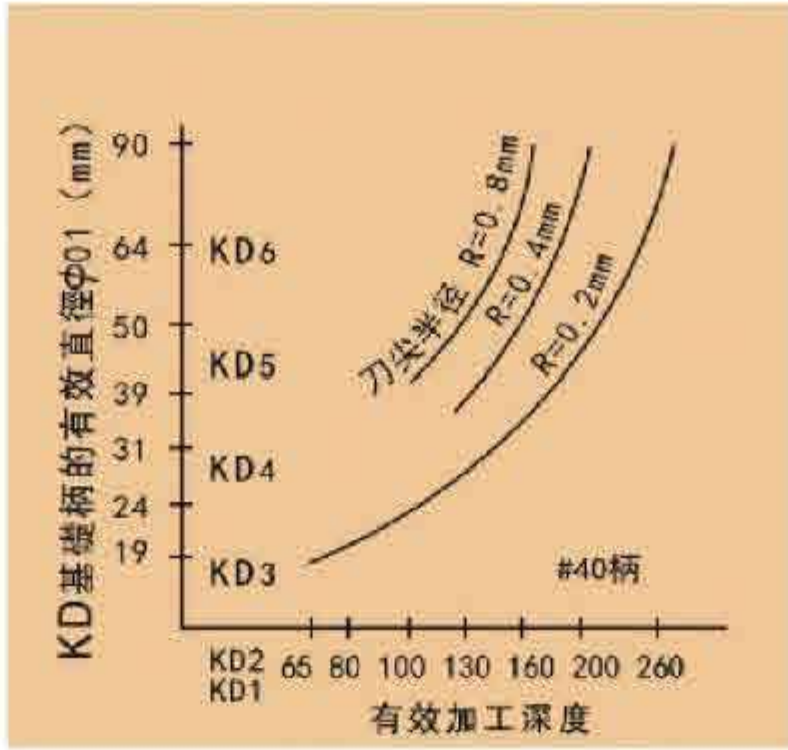
切削鋼件時的切削速度選擇圖
Choice of cutting speed for cutting steel parts

孔加工时经常会发生振动(颤振)。从右图可以看出，杆加长切削速度(转速)就必须降低
请参考右图及前面的切削条件表，选择最合适的加工条件
铸铁加工时有效深度相对右图约可提高10%~20%左右
It often happen to shake(vibrate) when boring. from this chart, boring bar length increase, accordingly cutting speed must decrease.
Please refer to right chart and mentioned situation, select suitable manufacturing terms
When manufacturing cast iron, effective depth can improve 10%—20% related to right chart

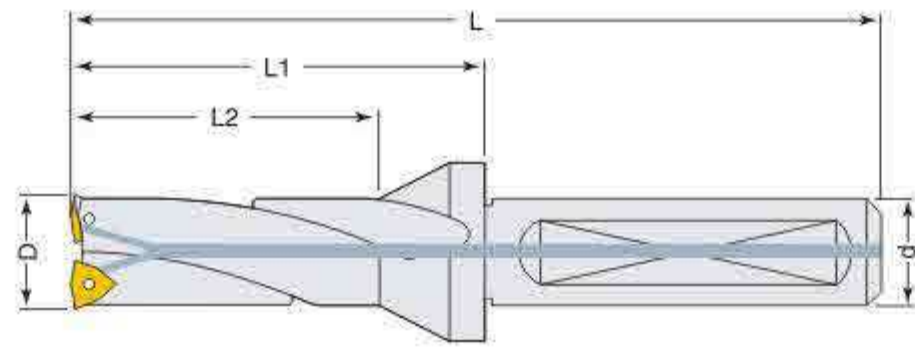


刀尖半徑R和有效加工深度的關係
The relationship between R tip radius and the effective depth of processing

刀尖半徑R与螻杆长度(加工深度的极限)之间也有很深的关系
参考下图选择合适的刀柄及刀片(刀尖半徑)
铁加工时有效深度约可提高1.1~1.3倍
There is a closely relation between insert tip R and depth of cut
Select fitable holder and insert (tip corner) refer to following chart
Manufacturing steel can improve effective depth 1.1~1.3 times

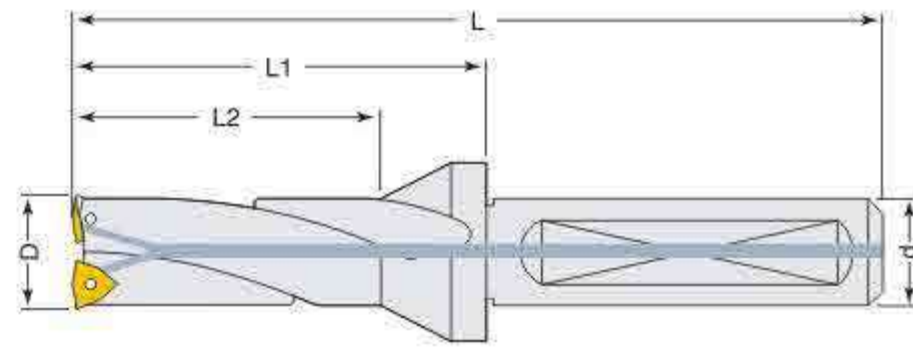


捨棄式快速鑽頭 Dx2
Discard Type Quick Drill



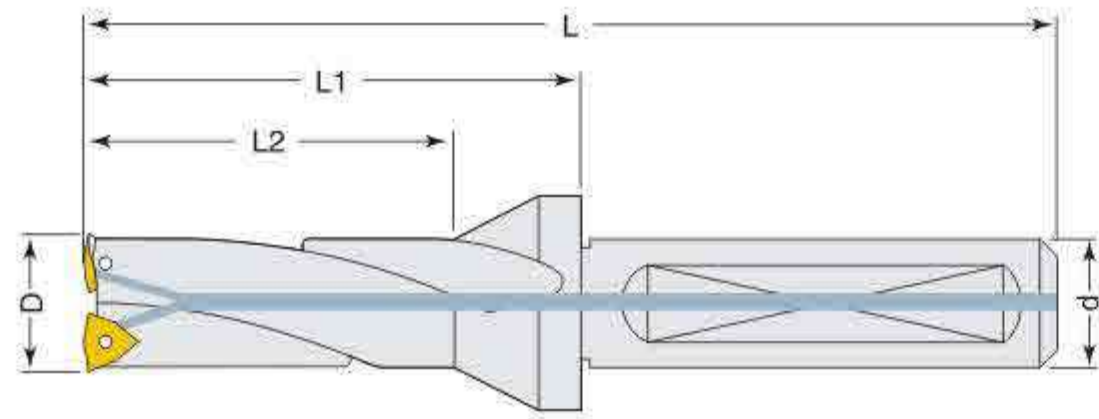
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSD08-CS12x2D	8	67	17	16	12	XCMT040104	T16040G	T6F	540
TSD10-CS10x2D	10	77	27	20	12	XCMT050204	T20040G		500
TSD12-CS16x2D	12	84	34	24	16	XCMT060204	T22050G		413
TSD14-CS20x2D	14	106	56	28	20	WCMX030208	T25065G	T8F	220
TSD15-CS20x2D	15	108	58	30	20				220
TSD16-CS25x2D	16	110	54	32	25				220
TSD17-CS25x2D	17	112	56	34	25				220
TSD18-CS25x2D	18	114	58	36	25				220
TSD19-CS25x2D	19	116	60	38	25				220
TSD20-CS25x2D	20	118	62	40	25	WCMX040208	T25065G	T8F	220
TSD21-CS25x2D	21	120	64	42	25				308
TSD22-CS25x2D	22	122	66	44	25				308
TSD23-CS25x2D	23	124	68	46	25				308
TSD24-CS25x2D	24	126	70	48	25	WCMX050308	T30080G	T10F	308
TSD25-CS32x2D	25	136	72	50	32				308
TSD26-CS32x2D	26	138	74	52	32				374
TSD27-CS32x2D	27	140	76	54	32				374
TSD28-CS32x2D	28	142	78	56	32				374
TSD29-CS32x2D	29	144	80	58	32				374
TSD30-CS32x2D	30	146	82	60	32				374
TSD31-CS32x2D	31	148	84	62	32	WCMX06T308	T35080G	T15F	504
TSD32-CS32x2D	32	150	86	64	32				504
TSD33-CS32x2D	33	152	88	68	32				504
TSD34-CS32x2D	34	154	90	70	32				504
TSD35-CS32x2D	35	156	92	72	32				504
TSD36-CS32x2D	36	158	94	74	32				504
TSD37-CS32x2D	37	160	96	76	32				504
TSD38-CS32x2D	38	162	98	78	32				504
TSD39-CS32x2D	39	164	100	80	32				504
TSD40-CS32x2D	40	166	102	82	32				504
TSD41-CS32x2D	41	168	104	84	32				604
TSD42-CS40x2D	42	181	106	86	40	WCMX080412	T40090G	T15F	604
TSD43-CS40x2D	43	183	108	88	40				604
TSD44-CS40x2D	44	185	110	90	40				604
TSD45-CS40x2D	45	187	112	92	40				604
TSD46-CS40x2D	46	189	114	94	40				660
TSD47-CS40x2D	49	191	116	96	40				660
TSD48-CS40x2D	48	193	118	98	40				660
TSD49-CS40x2D	49	195	120	100	40				660
TSD50-CS40x2D	50	197	122	102	40				660
TSD51-CS40x2D	51	197	124	104	40				744
TSD52-CS40x2D	52	199	126	106	40				744
TSD53-CS40x2D	53	201	128	108	40				744
TSD54-CS40x2D	54	203	130	110	40				744
TSD55-CS40x2D	55	205	132	112	40				744
TSD56-CS40x2D	56	207	134	114	40				780
TSD57-CS40x2D	57	209	136	116	40				780
TSD58-CS40x2D	58	211	138	118	40	WCMX06T308	T35080G	T15F	780
TSD59-CS40x2D	59	213	140	120	40				780
TSD60-CS40x2D	60	215	142	122	40				816
TSD61-CS40x2D	61	217	144	124	40				816
TSD62-CS40x2D	62	219	146	126	40				816
TSD63-CS40x2D	63	221	148	128	40				816
TSD64-CS40x2D	64	223	150	130	40				876
TSD65-CS40x2D	65	225	152	132	40				876
TSD66-CS40x2D	66	227	154	134	40				876
TSD67-CS40x2D	67	229	156	136	40				876
TSD68-CS40x2D	68	231	158	138	40				876
TSD69-CS40x2D	69	233	160	140	40				900
TSD70-CS40x2D	70	235	162	142	40				900

捨棄式快速鑽頭 Dx3
Discard Type Quick Drill



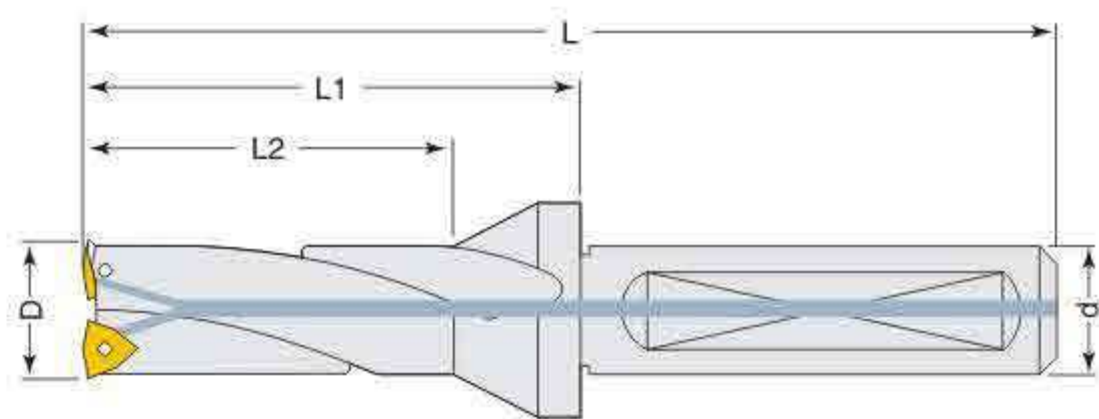
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSD08-CS12x3D	8	75	25	24	12	XCMT040104	T16040G	T6F	800
TSD10-CS10x3D	10	87	37	30	12	XCMT050204	T20040G		743
TSD12-CS16x3D	12	96	46	36	16	XCMT060204	T22050G		572
TSD14-CS20x3D	14	120	64	42	20	WCMX030208	T25065G	T8F	286
TSD15-CS20x3D	15	123	67	45	20				286
TSD16-CS25x3D	16	126	70	48	25				286
TSD17-CS25x3D	17	129	73	51	25				286
TSD18-CS25x3D	18	132	76	54	25				286
TSD19-CS25x3D	19	135	79	56	25				286
TSD20-CS25x3D	20	138	81	59	25	WCMX040208	T25065G	T8F	286
TSD21-CS25x3D	21	141	84	62	25				374
TSD22-CS25x3D	22	144	87	65	25				374
TSD23-CS25x3D	23	147	90	68	25				374
TSD24-CS25x3D	24	150	93	71	25	WCMX050308	T30080G	T10F	374
TSD25-CS32x3D	25	161	96	74	32				374
TSD26-CS32x3D	26	164	99	77	32				396
TSD27-CS32x3D	27	167	101	80	32				396
TSD28-CS32x3D	28	170	104	83	32				396
TSD29-CS32x3D	29	173	107	86	32				396
TSD30-CS32x3D	30	176	110	89	32				396
TSD31-CS32x3D	31	179	113	92	32	WCMX06T308	T35080G	T15F	520
TSD32-CS32x3D	32	182	116	95	32				520
TSD33-CS32x3D	33	185	119	98	32				520
TSD34-CS32x3D	34	188	122	101	32				520
TSD35-CS32x3D	35	191	125	104	32				520
TSD36-CS32x3D	36	194	128	107	32				520
TSD37-CS32x3D	37	197	131	110	32				520
TSD38-CS32x3D	38	200	134	113	32				520
TSD39-CS32x3D	39	203	137	116	32				520
TSD40-CS32x3D	40	206	140	119	32				520
TSD41-CS32x3D	41	209	143	122	32				670
TSD42-CS40x3D	42	223	147	125	40	WCMX080412	T40090G	T15F	670
TSD43-CS40x3D	43	226	150	128	40				670
TSD44-CS40x3D	44	229	153	131	40				670
TSD45-CS40x3D	45	232	156	134	40				670
TSD46-CS40x3D	46	235	159	137	40				816
TSD47-CS40x3D	49	238	162	140	40				816
TSD48-CS40x3D	48	241	165	143	40				816
TSD49-CS40x3D	49	247	168	147	40				816
TSD50-CS40x3D	50	250	171	150	40				816
TSD51-CS40x3D	51	253	174	153	40				960
TSD52-CS40x3D	52	256	177	156	40				960
TSD53-CS40x3D	53	259	180	159	40				960
TSD54-CS40x3D	54	262	183	162	40				960
TSD55-CS40x3D	55	265	186	165	40				960
TSD56-CS40x3D	56	268	189	168	40				984
TSD57-CS40x3D	57	271	192	171	40				984
TSD58-CS40x3D	58	274	195	175	40	WCMX06T308	T35080G	T15F	984
TSD59-CS40x3D	59	277	198	177	40				984
TSD60-CS40x3D	60	280	201	180	40				1080
TSD61-CS40x3D	61	283	204	183	40				1080
TSD62-CS40x3D	62	286	207	186	40				1080
TSD63-CS40x3D	63	289	210	189	40				1080
TSD64-CS40x3D	64	292	213	192	40				1200
TSD65-CS40x3D	65	295	214	195	40				1200
TSD66-CS40x3D	66	298	217	198	40				1320
TSD67-CS40x3D	67	301	220	201	40				1320
TSD68-CS40x3D	68	304	223	204	40				1320
TSD69-CS40x3D	69	307	226	207	40				1400
TSD70-CS40x3D	70	310	229	210	40				1400

捨棄式快速鑽頭 Dx4
Discard Type Quick Drill



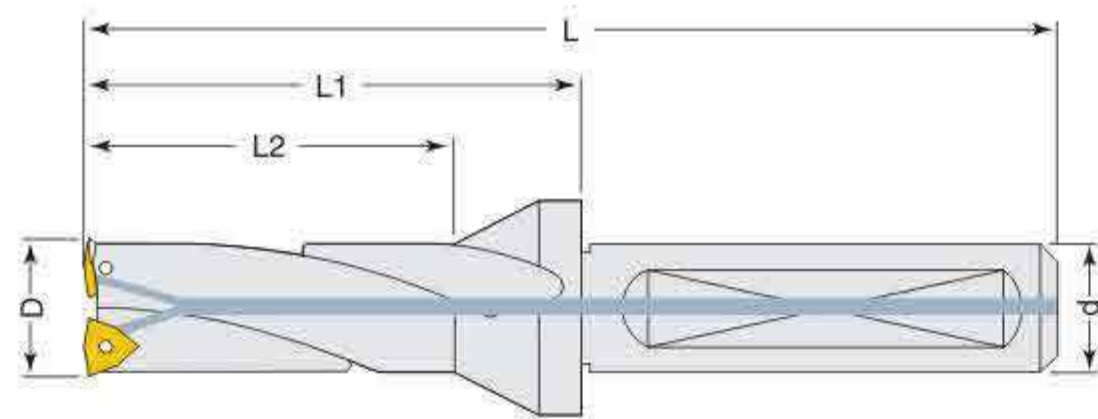
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSD14-CS20x4D	14	134	78	56	20	WCMX030208	T25065G	T8F	330
TSD15-CS20x4D	15	138	82	60	20				330
TSD16-CS25x4D	16	142	86	64	25				330
TSD17-CS25x4D	17	146	90	68	25				330
TSD18-CS25x4D	18	150	94	72	25				330
TSD19-CS25x4D	19	154	98	76	25	WCMX040208	T25065G	T8F	330
TSD20-CS25x4D	20	158	102	80	25				330
TSD21-CS25x4D	21	162	106	84	25				440
TSD22-CS25x4D	22	166	110	88	25				440
TSD23-CS25x4D	23	170	124	92	25				440
TSD24-CS25x4D	24	174	128	96	25	WCMX050308	T30080G	T10F	440
TSD25-CS32x4D	25	186	132	100	32				440
TSD26-CS32x4D	26	190	136	104	32				462
TSD27-CS32x4D	27	194	140	108	32				462
TSD28-CS32x4D	28	198	144	112	32				462
TSD29-CS32x4D	29	202	148	116	32	WCMX06T308	T35080G	T15F	462
TSD30-CS32x4D	30	206	152	120	32				462
TSD31-CS32x4D	31	210	156	124	32				638
TSD32-CS32x4D	32	214	160	128	32				638
TSD33-CS32x4D	33	218	164	132	32				638
TSD34-CS32x4D	34	222	168	136	32	WCMX080412	T40090G	T15F	638
TSD35-CS32x4D	35	226	172	140	32				638
TSD36-CS32x4D	36	230	176	144	32				638
TSD37-CS32x4D	37	234	180	148	32				638
TSD38-CS32x4D	38	238	184	152	32				638
TSD39-CS32x4D	39	242	188	156	32	WCMX06T308	T35080G	T15F	638
TSD40-CS32x4D	40	246	192	160	32				638
TSD41-CS32x4D	41	250	207	164	32				638
TSD42-CS40x4D	42	265	211	168	40				840
TSD43-CS40x4D	43	172	215	172	40				840
TSD44-CS40x4D	44	176	219	176	40	WCMX080412	T40090G	T15F	840
TSD45-CS40x4D	45	180	221	180	40				840
TSD46-CS40x4D	46	184	225	184	40				900
TSD47-CS40x4D	49	188	229	188	40				900
TSD48-CS40x4D	48	192	233	192	40				900
TSD49-CS40x4D	49	196	227	196	40	WCMX06T308	T35080G	T15F	900
TSD50-CS40x4D	50	200	231	200	40				900
TSD51-CS40x4D	51	204	235	204	40				1140
TSD52-CS40x4D	52	208	239	208	40				1140
TSD53-CS40x4D	53	212	243	212	40				1140
TSD54-CS40x4D	54	216	247	216	40	WCMX080412	T40090G	T15F	1140
TSD55-CS40x4D	55	220	251	220	40				1140
TSD56-CS40x4D	56	224	255	224	40				1500
TSD57-CS40x4D	57	228	259	228	40				1500
TSD58-CS40x4D	58	232	263	232	40	WCMX06T308	T35080G	T15F	1500
TSD59-CS40x4D	59	236	267	236	40				1500
TSD60-CS40x4D	60	240	271	240	40				1500
TSD61-CS40x4D	61	244	275	244	40				1732
TSD62-CS40x4D	62	248	279	248	40				1732
TSD63-CS40x4D	63	252	283	252	40	WCMX080412	T40090G	T15F	1732
TSD64-CS40x4D	64	256	287	256	40				1960
TSD65-CS40x4D	65	260	291	260	40				1960
TSD66-CS40x4D	66	264	295	264	40				1960
TSD67-CS40x4D	67	268	299	268	40				1960
TSD68-CS40x4D	68	272	303	272	40	WCMX06T308	T35080G	T15F	1960
TSD69-CS40x4D	69	276	307	276	40				2100
TSD70-CS40x4D	70	280	311	280	40				2100

捨棄式快速鑽頭 Dx5
Discard Type Quick Drill



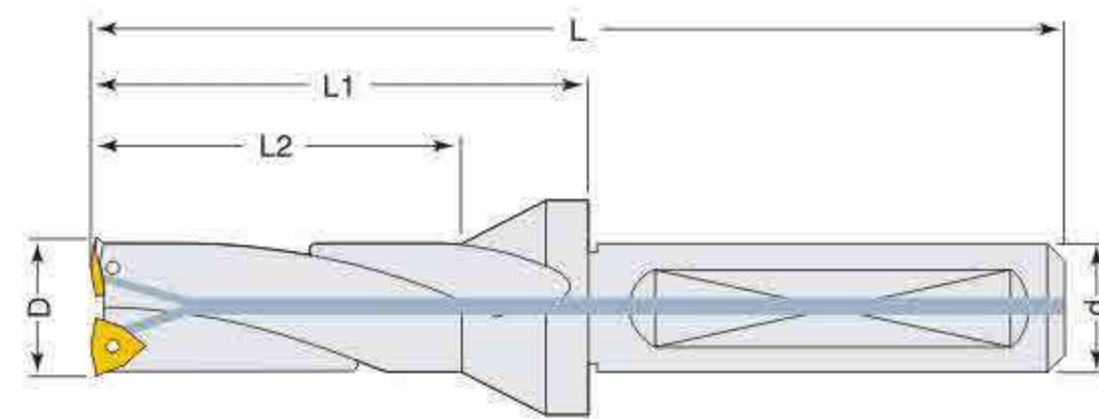
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSD14-CS20x5D	14	148	92	70	20	WCMX030208	T25065G	T8F	588
TSD15-CS20x5D	15	153	97	75	20				588
TSD16-CS25x5D	16	158	102	80	25				588
TSD17-CS25x5D	17	163	107	85	25				588
TSD18-CS25x5D	18	168	112	90	25				588
TSD19-CS25x5D	19	173	117	95	25	WCMX040208	T25065G	T8F	588
TSD20-CS25x5D	20	178	122	100	25				612
TSD21-CS25x5D	21	183	127	105	25				636
TSD22-CS25x5D	22	188	132	110	25				636
TSD23-CS25x5D	23	193	137	115	25				636
TSD24-CS25x5D	24	198	142	120	25	WCMX050308	T30080G	T10F	684
TSD25-CS32x5D	25	211	157	125	32				684
TSD26-CS32x5D	26	216	162	130	32				684
TSD27-CS32x5D	27	221	167	135	32				684
TSD28-CS32x5D	28	226	172	140	32				708
TSD29-CS32x5D	29	231	177	145	32	WCMX06T308	T35080G	T15F	738
TSD30-CS32x5D	30	236	182	150	32				756
TSD31-CS32x5D	31	241	187	155	32				756
TSD32-CS32x5D	32	246	192	160	32				774
TSD33-CS32x5D	33	251	197	165	32				774
TSD34-CS32x5D	34	256	202	170	32	WCMX080412	T40090G	T15F	852
TSD35-CS32x5D	35	261	207	175	32				852
TSD36-CS32x5D	36	266	212	180	32				852
TSD37-CS32x5D	37	271	217	185	32				852
TSD38-CS32x5D	38	276	222	190	32				894
TSD39-CS32x5D	39	281	227	195	32	WCMX06T308	T35080G	T15F	894
TSD40-CS32x5D	40	286	232	200	32				984
TSD41-CS32x5D	41	291	237	205	32				984
TSD42-CS40x5D	42	307	253	210	40				1068
TSD43-CS40x5D	43	312	258	215	40	WCMX080412	T40090G	T15F	1068
TSD44-CS40x5D	44	317	263	220	40				1146
TSD45-CS40x5D	45	322	268	225	40				1146
TSD46-CS40x5D	46	327	273	230	40				1146
TSD47-CS40x5D	49	332	278	235	40				1146
TSD48-CS40x5D	48	337	283	240	40	WCMX06T308	T35080G	T15F	1146
TSD49-CS40x5D	49	342	288	245	40				1200
TSD50-CS40x5D	50	347	293	250	40				1200
TSD51-CS40x5D	51	352	298	255	40				1280
TSD52-CS40x5D	52	357	303	260	40				1280
TSD53-CS40x5D	53	362	308	265	40	WCMX080412	T40090G	T15F	1280
TSD54-CS40x5D	54	367	313	270	40				1280
TSD55-CS40x5D	55	372	318	275	40				1280
TSD56-CS40x5D	56	377	323	280	40				1440
TSD57-CS40x5D	57	382	328	285	40				1440
TSD58-CS40x5D	58	387	333	290	40	WCMX06T308	T35080G	T15F	1440
TSD59-CS40x5D	59	392	338	295	40				1440
TSD60-CS40x5D	60	397	343	300	40				1440
TSD61-CS40x5D	61	402	348	305	40				1760
TSD62-CS40x5D	62	407	353	310	40				1760
TSD63-CS40x5D	63	412	358	315	40	WCMX080412	T40090G	T15F	1760
TSD64-CS40x5D	64	417	363	320	40				1760
TSD65-CS40x5D	65	422	368	325	40				2020
TSD66-CS40x5D	66	427	373	330	40				2020
TSD67-CS40x5D	67	432	378	335	40				2020
TSD68-CS40x5D	68	437	383	340	40	WCMX06T308	T35080G	T15F	2020
TSD69-CS40x5D	69	442	388	345	40				2020
TSD70-CS40x5D	70	447	393	350	40				2020

捨棄式快速鑽頭 Dx2
Discard Type Quick Drill



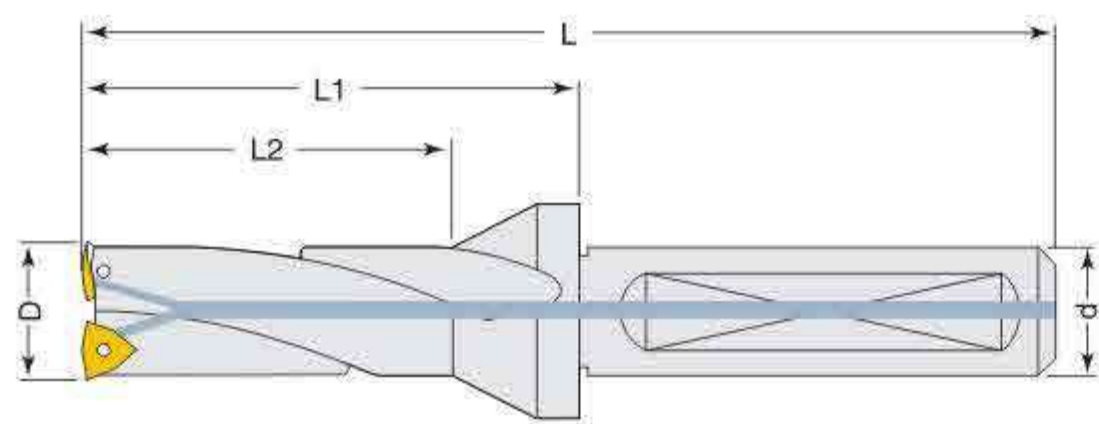
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSP13-CS20x2D	13	93	43	26	20	SPMG050204	M2.2x5.5L	T6	280
TSP14-CS20x2D	14	106	56	28	20				280
TSP15-CS20x2D	15	108	58	30	20				280
TSP16-CS25x2D	16	110	54	32	25				280
TSP17-CS25x2D	17	112	56	34	25				280
TSP18-CS25x2D	18	114	58	36	25	SPMG060204	M2.2x6L	T8	280
TSP19-CS25x2D	19	116	60	38	25				280
TSP20-CS25x2D	20	118	62	40	25				280
TSP21-CS25x2D	21	120	64	42	25				385
TSP22-CS25x2D	22	122	66	44	25				385
TSP23-CS25x2D	23	124	68	46	25	SPMG7T308	M2.2x7L	T8	385
TSP24-CS25x2D	24	126	70	48	25				385
TSP25-CS32x2D	25	136	72	50	32				385
TSP26-CS32x2D	26	138	74	52	32				462
TSP27-CS32x2D	27	140	76	54	32				462
TSP28-CS32x2D	28	142	78	56	32	SPMG090408	M3.5x8L	T15	462
TSP29-CS32x2D	29	144	80	58	32				462
TSP30-CS32x2D	30	146	82	60	32				462
TSP31-CS32x2D	31	148	84	62	32				616
TSP32-CS32x2D	32	150	86	64	32				616
TSP33-CS32x2D	33	152	88	68	32	SPMG110408	M4x10L	T15	616
TSP34-CS32x2D	34	154	90	70	32				616
TSP35-CS32x2D	35	156	92	72	32				616
TSP36-CS32x2D	36	158	94	74	32				616
TSP37-CS32x2D	37	160	96	76	32				616
TSP38-CS32x2D	38	162	98	78	32	SPMG140512	M5x12L	T20	616
TSP39-CS32x2D	39	164	100	80	32				616
TSP40-CS32x2D	40	166	102	82	32				616
TSP41-CS32x2D	41	168	104	84	32				728
TSP42-CS40x2D	42	181	106	86	40				728
TSP43-CS40x2D	43	183	108	88	40	SPMG140512	M5x12L	T20	728
TSP44-CS40x2D	44	185	110	90	40				728
TSP45-CS40x2D	45	187	112	92	40				728
TSP46-CS40x2D	46	189	114	94	40				812
TSP47-CS40x2D	49	191	116	96	40				812
TSP48-CS40x2D	48	193	118	98	40	SPMG07T308	M5x12L	T20	812
TSP49-CS40x2D	49	195	120	100	40				812
TSP50-CS40x2D	50	197	122	102	40				812
TSP51-CS40x2D	51	197	124	104	40				868
TSP52-CS40x2D	52	199	126	106	40				868
TSP53-CS40x2D	53	201	128	108	40	SPMG07T308	M2.5x7L	T8	868
TSP54-CS40x2D	54	203	130	110	40				868
TSP55-CS40x2D	55	205	132	112	40				868
TSP56-CS40x2D	56	207	134	114	40				910
TSP57-CS40x2D	57	209	136	116	40				910
TSP58-CS40x2D	58	211	138	118	40	SPMG090408	M3.5x10L	T15	910
TSP59-CS40x2D	59	213	140	120	40				910
TSP60-CS40x2D	60	215	142	122	40				952
TSP61-CS40x2D	61	217	144	124	40				952
TSP62-CS40x2D	62	219	146	126	40				952
TSP63-CS40x2D	63	221	148	128	40	SPMG110408	M3.5x10L	T15	952
TSP64-CS40x2D	64	223	150	130	40				1022
TSP65-CS40x2D	65	225	152	132	40				1022
TSP66-CS40x2D	66	227	154	134	40				1022
TSP67-CS40x2D	67	229	156	136	40				1022
TSP68-CS40x2D	68	231	158	138	40	SPMG110408	M3.5x10L	T15	1022
TSP69-CS40x2D	69	233	160	140	40				1055
TSP70-CS40x2D	70	235	162	142	40				1055

捨棄式快速鑽頭 Dx3
Discard Type Quick Drill



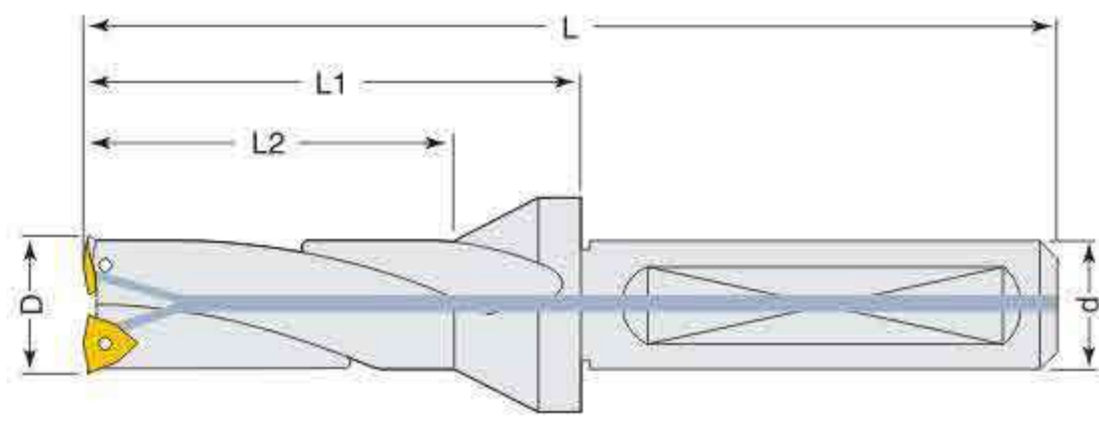
型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSP13-CS20x3D	13	106	56	39	20	SPMG050204	M2.2x5.5L	T6	336
TSP14-CS20x3D	14	120	64	42	20				336
TSP15-CS20x3D	15	123	67	45	20				336
TSP16-CS25x3D	16	126	70	48	25				336
TSP17-CS25x3D	17	129	73	51	25				336
TSP18-CS25x3D	18	132	76	54	25	SPMG060204	M2.2x6L	T8	336
TSP19-CS25x3D	19	135	79	56	25				336
TSP20-CS25x3D	20	138	81	59	25				336
TSP21-CS25x3D	21	141	84	62	25				448
TSP22-CS25x3D	22	144	87	65	25				448
TSP23-CS25x3D	23	147	90	68	25	SPMG7T308	M2.2x7L	T8	448
TSP24-CS25x3D	24	150	93	71	25				448
TSP25-CS32x3D	25	161	96	74	32				448
TSP26-CS32x3D	26	164	99	77	32				504
TSP27-CS32x3D	27	167	101	80	32				504
TSP28-CS32x3D	28	170	104	83	32	SPMG090408	M3.5x8L	T15	504
TSP29-CS32x3D	29	173	107	86	32				504
TSP30-CS32x3D	30	176	110	89	32				504
TSP31-CS32x3D	31	179	113	92	32				672
TSP32-CS32x3D	32	182	116	95	32				672
TSP33-CS32x3D	33	185	119	98	32	SPMG110408	M4x10L	T15	672
TSP34-CS32x3D	34	188	122	101	32				672
TSP35-CS32x3D	35	191	125	104	32				672
TSP36-CS32x3D	36	194	128	107	32				672
TSP37-CS32x3D	37	197	131	110	32				672
TSP38-CS32x3D	38	200	134	113	32	SPMG140512	M5x12L	T20	672
TSP39-CS32x3D	39	203	137	116	32				672
TSP40-CS32x3D	40	206	140	119	32				672
TSP41-CS32x3D	41	209	143	122	32				812
TSP42-CS40x3D	42	223	147	125	40				812
TSP43-CS40x3D	43	226	150	128	40	SPMG140512	M5x12L	T20	812
TSP44-CS40x3D	44	229	153	131	40				812
TSP45-CS40x3D	45	232	156	134	40				812
TSP46-CS40x3D	46	235	159	137	40				910
TSP47-CS40x3D	49	238	162	140	40				910
TSP48-CS40x3D	48	241	165	143	40	SPMG07T308	M5x12L	T20	910
TSP49-CS40x3D	49	247	168	147	40				910
TSP50-CS40x3D	50	250	171	150	40				910
TSP51-CS40x3D	51	253	174	153	40				1022
TSP52-CS40x3D	52	256	177	156	40				1022
TSP53-CS40x3D	53	259	180	159	40	SPMG07T308	M2.5x7L	T8	1022
TSP54-CS40x3D	54	262	183	162	40				1022
TSP55-CS40x3D	55	265	186	165	40				1022
TSP56-CS40x3D	56	268	189	168	40				1148
TSP57-CS40x3D	57	271	192	171	40				1148
TSP58-CS40x3D	58	274	195	175	40	SPMG090408	M3.5x10L	T15	1148
TSP59-CS40x3D	59	277	198	177	40				1148
TSP60-CS40x3D	60	280	201	180	40				1260
TSP61-CS40x3D	61	283	204	183	40				1260
TSP62-CS40x3D	62	286	207	186	40				1260
TSP63-CS40x3D	63	289	210	189	40	SPMG110408	M3.5x10L	T15	1260
TSP64-CS40x3D	64	292	213	192	40				1400
TSP65-CS40x3D	65	295	214	195	40				1400
TSP66-CS40x3D	66	298	217	198	40				1470
TSP67-CS40x3D	67	301	220	201	40				1540
TSP68-CS40x3D	68	304	223	204	40	SPMG110408	M3.5x10L	T15	1540
TSP69-CS40x3D	69	307	226	207	40				1582
TSP70-CS40x3D	70	310	229	210	40				1582

捨棄式快速鑽頭 Dx4
Discard Type Quick Drill



型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSP13-CS20x4D	13	119	69	52	20	SPMG050204	M2.2x5.5L	T6	392
TSP14-CS20x4D	14	134	78	56	20				392
TSP15-CS20x4D	15	138	82	60	20				392
TSP16-CS25x4D	16	142	86	64	25				392
TSP17-CS25x4D	17	146	90	68	25				392
TSP18-CS25x4D	18	150	94	72	25	SPMG060204	M2.2x6L	T8	392
TSP19-CS25x4D	19	154	98	76	25				392
TSP20-CS25x4D	20	158	102	80	25				392
TSP21-CS25x4D	21	162	106	84	25				532
TSP22-CS25x4D	22	166	110	88	25				532
TSP23-CS25x4D	23	170	124	92	25	SPMG7T308	M2.2x7L	T8	532
TSP24-CS25x4D	24	174	128	96	25				532
TSP25-CS32x4D	25	186	132	100	32				532
TSP26-CS32x4D	26	190	136	104	32				574
TSP27-CS32x4D	27	194	140	108	32				574
TSP28-CS32x4D	28	198	144	112	32	SPMG090408	M3.5x8L	T15	574
TSP29-CS32x4D	29	202	148	116	32				574
TSP30-CS32x4D	30	206	152	120	32				574
TSP31-CS32x4D	31	210	156	124	32				770
TSP32-CS32x4D	32	214	160	128	32				770
TSP33-CS32x4D	33	218	164	132	32	SPMG110408	M4x10L	T15	770
TSP34-CS32x4D	34	222	168	136	32				770
TSP35-CS32x4D	35	226	172	140	32				770
TSP36-CS32x4D	36	230	176	144	32				770
TSP37-CS32x4D	37	234	180	148	32				770
TSP38-CS32x4D	38	238	184	152	32	SPMG140512	M5x12L	T20	770
TSP39-CS32x4D	39	242	188	156	32				770
TSP40-CS32x4D	40	246	192	160	32				700
TSP41-CS32x4D	41	250	207	164	32				924
TSP42-CS40x4D	42	265	211	168	40				924
TSP43-CS40x4D	43	172	215	172	40	SPMG140512	M5x12L	T20	924
TSP44-CS40x4D	44	176	219	176	40				924
TSP45-CS40x4D	45	180	221	180	40				924
TSP46-CS40x4D	46	184	225	184	40				924
TSP47-CS40x4D	49	188	229	188	40				924
TSP48-CS40x4D	48	192	233	192	40	SPMG07T308	M5x12L	T20	924
TSP49-CS40x4D	49	196	237	196	40				924
TSP50-CS40x4D	50	200	231	200	40				924
TSP51-CS40x4D	51	204	235	204	40				1260
TSP52-CS40x4D	52	208	239	208	40				1260
TSP53-CS40x4D	53	212	243	212	40	SPMG07T308	M2.5x7L	T8	1260
TSP54-CS40x4D	54	216	247	216	40				1260
TSP55-CS40x4D	55	220	251	220	40				1260
TSP56-CS40x4D	56	224	255	224	40				1456
TSP57-CS40x4D	57	228	259	228	40				1456
TSP58-CS40x4D	58	232	263	232	40	SPMG090408	M3.5x10L	T15	1456
TSP59-CS40x4D	59	236	267	236	40				1456
TSP60-CS40x4D	60	240	271	240	40				1456
TSP61-CS40x4D	61	244	275	244	40				1750
TSP62-CS40x4D	62	248	279	248	40				1750
TSP63-CS40x4D	63	252	283	252	40	SPMG110408	M3.5x10L	T15	1750
TSP64-CS40x4D	64	256	287	256	40				1960
TSP65-CS40x4D	65	260	291	260	40				1960
TSP66-CS40x4D	66	264	295	264	40				1960
TSP67-CS40x4D	67	268	299	268	40				1960
TSP68-CS40x4D	68	272	303	272	40	SPMG110408	M3.5x10L	T15	1960
TSP69-CS40x4D	69	276	307	276	40				2030
TSP70-CS40x4D	70	280	311	280	40				2030

捨棄式快速鑽頭 Dx5
Discard Type Quick Drill



型號 Model	尺寸 Size(mm)					適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench	单价 RMB
	D	L	L1	L2	d				
TSP13-CS20x5D	13	132	82	65	20	SPMG050204	M2.2x5.5L	T6	688
TSP14-CS20x5D	14	148	92	70	20				688
TSP15-CS20x5D	15	153	97	75	20				688
TSP16-CS25x5D	16	158	102	80	25				688
TSP17-CS25x5D	17	163	107	85	25				688
TSP18-CS25x5D	18	168	112	90	25	SPMG060204	M2.2x6L	T8	688
TSP19-CS25x5D	19	173	117	95	25				688
TSP20-CS25x5D	20	178	122	100	25				714
TSP21-CS25x5D	21	183	117	105	25				714
TSP22-CS25x5D	22	188	122	110	25				734
TSP23-CS25x5D	23	193	127	115	25	SPMG7T308	M2.2x7L	T8	734
TSP24-CS25x5D	24	198	132	120	25				764
TSP25-CS32x5D	25	211	137	125	32				764
TSP26-CS32x5D	26	216	142	130	32				784
TSP27-CS32x5D	27	221	147	135	32				802
TSP28-CS32x5D	28	226	152	140	32	SPMG090408	M3.5x8L	T15	828
TSP29-CS32x5D	29	231	157	145	32				861
TSP30-CS32x5D	30	236	162	150	32				880
TSP31-CS32x5D	31	241	167	155	32				880
TSP32-CS32x5D	32	246	172	160	32				950
TSP33-CS32x5D	33	251	177	165	32	SPMG110408	M4x10L	T15	950
TSP34-CS32x5D	34	256	182	170	32				930
TSP35-CS32x5D	35	261	187	175	32				980
TSP36-CS32x5D	36	266	192	180	32				994
TSP37-CS32x5D	37	271	197	185	32				994
TSP38-CS32x5D	38	276	212	190	32	SPMG140512	M5x12L	T20	1044
TSP39-CS32x5D	39	281	217	195	32				1044
TSP40-CS32x5D	40	286	222	200	32				1148
TSP41-CS32x5D	41	291	227	205	32				1148
TSP42-CS40x5D	42	307	232	210	40				1219
TSP43-CS40x5D	43	312	237	215	40	SPMG140512	M5x12L	T20	1248
TSP44-CS40x5D	44	317	242	220	40				1274
TSP45-CS40x5D	45	322	247	225	40				1288
TSP46-CS40x5D	46	327	252	230	40				1337
TSP47-CS40x5D	49	332	257	235	40				1337
TSP48-CS40x5D	48	337	262	240	40	SPMG07T308	M5x12L	T20	1337
TSP49-CS40x5D	49	342	267	245	40				1337
TSP50-CS40x5D	50	347	272	250	40				1337
TSP51-CS40x5D	51	352	277	255	40				1456
TSP52-CS40x5D	52	357	282	260	40				1456
TSP53-CS40x5D	53	362	287	265	40	SPMG07T308	M2.5x7L	T8	1456
TSP54-CS40x5D	54	367	292	270	40				1456
TSP55-CS40x5D	55	372	297	275	40				1456
TSP56-CS40x5D	56	377	302	280	40				1456
TSP57-CS40x5D	57	382	307	285	40				1456
TSP58-CS40x5D	58	387	312	290	40	SPMG090408	M3.5x10L	T15	1456
TSP59-CS40x5D	59	392	317	295	40				1456
TSP60-CS40x5D	60	397	322	300	40				1120
TSP61-CS40x5D	61	402	327	305	40				1120
TSP62-CS40x5D	62	407	332	310	40				1120
TSP63-CS40x5D	63	412	337	315	40	SPMG110408	M3.5x10L	T15	1120
TSP64-CS40x5D	64	417	342	320	40				1120
TSP65-CS40x5D	65	422	347	325	40				1120
TSP66-CS40x5D	66	427	352	330	40				1120
TSP67-CS40x5D	67	432	357	335	40				1120
TSP68-CS40x5D	68	437	362	340	40	SPMG110408	M3.5x10L	T15	1120
TSP69-CS40x5D	69	442	367	345	40				1800
TSP70-CS40x5D	70	447	372	350	40				1800