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东莞市钰泽机械工具有限公司
YUZE(DONGGUAN)MACHINING TOOLS CO.,LTD.
东莞市长安钰鼎五金刀具店
YuDing (Dongguan) Machining Tools Ltd.

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钰泽机械工具 YUZE MACHINING TOOLS

产品目录 CATALOG

2018



YUZE TOOLS

东莞市钰泽机械工具有限公司
YUZE(DONGGUAN)MACHINING TOOLS CO.,LTD.

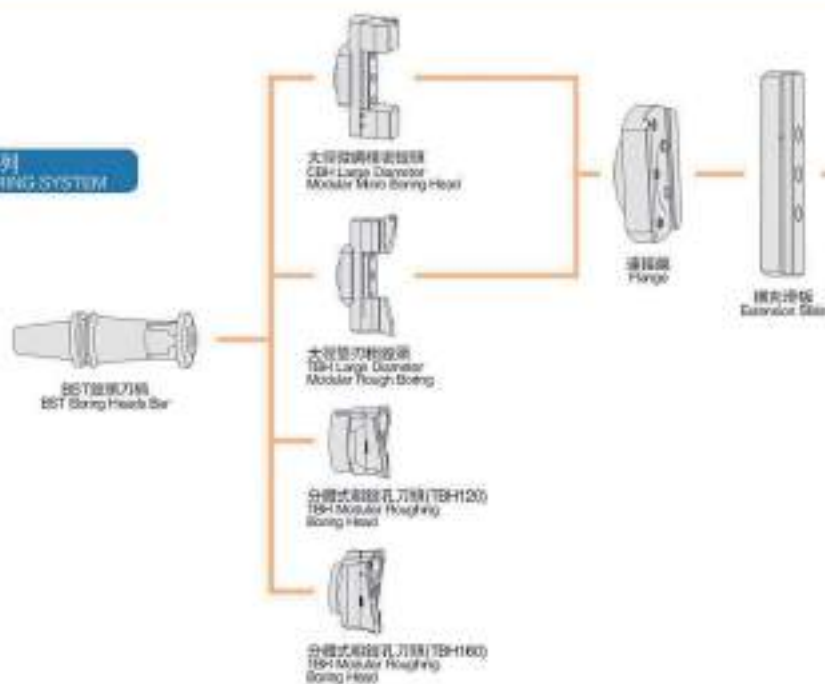
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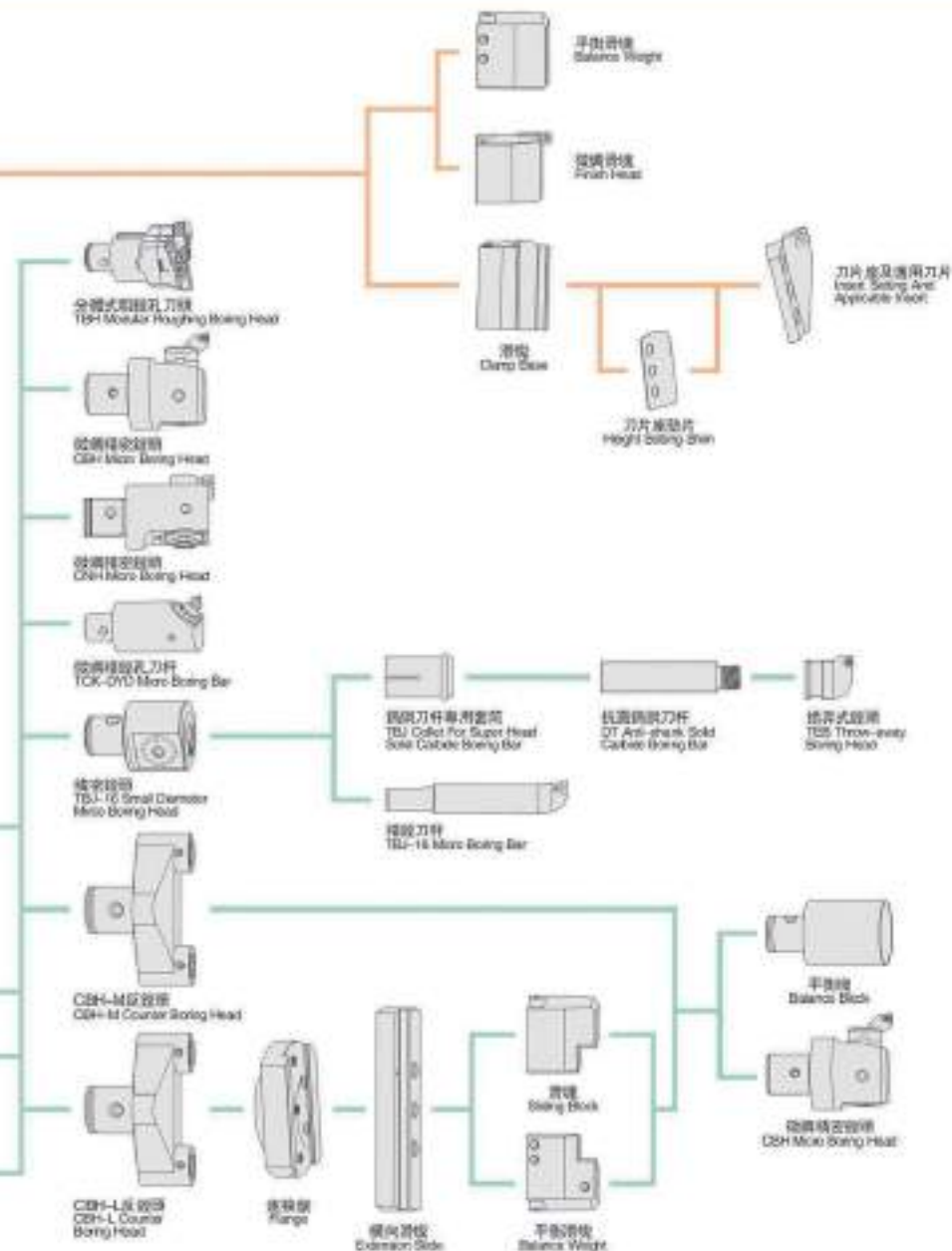
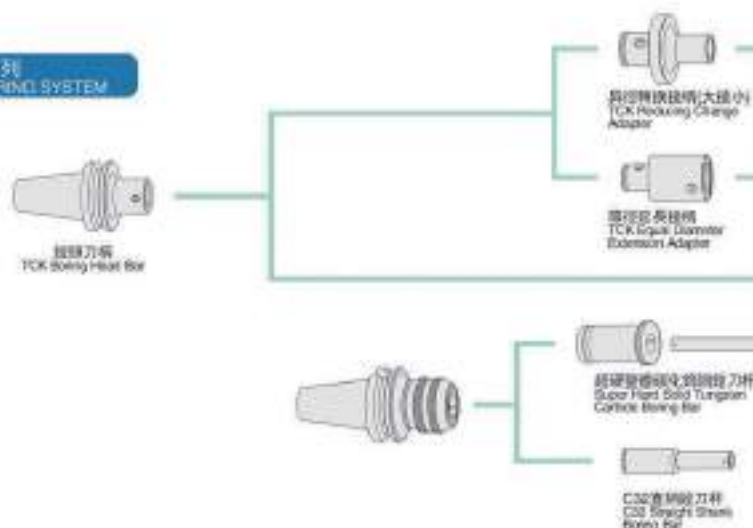
Boring Tool Series 鏜刀系列

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BST 系列
BST INCHING SYSTEM

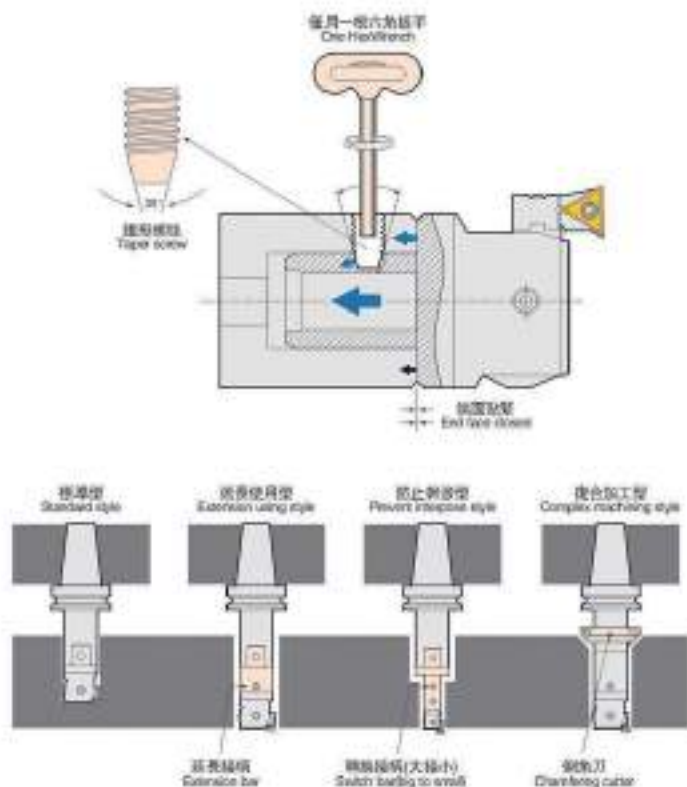


TCK 系列
TCK-BORING SYSTEM



■ TCK模塊式鑽刀系列
TCK 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，把鉗力轉變成軸向拉力，使鑽刀與本體緊密貼緊。(如圖A)
2. 模塊式設計，可以自由設定加工直徑和可加工深度，配用，轉接接頭(大接小)減少刀具直徑，既可以確保耐用性，又可以防止側滑，再配合側滑器可自由組合成最合適的鑽削刀具。(如圖B)
3. 因為鑽刀本體的結構精度非常高所以能對側滑率極低，可減輕磨損程度，提高工作效率，降低綜合成本。
4. To change cutting 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)
5. Modular design, can set on machining diameter and available process depth freely and easy for choosing. Reducing the outer diameter of work head (size) can not only assure the rigidity but also prevent interlocking, then cooperating with channelling machine, form is the most suitable boring bar in free combination. (Show as chart B)
6. Because the connection precision of boring head and holder is so high that the boring head just need setting outside alone. Then it can increase the job efficiency, reduce the labor intensity and collision cost.

■ CBH微調精密鑽頭
CBH Micro Boring Head



型號 Model	正鑽 Boring				反鑽 Counter Boring				組合刀柄 Modular Holder	對應鑽頭 Boring Head	刀片座 Blade Bearing	刀片 Insert	重量 Weight
CBH20-30	29.5	32.5	20-28 25-31 30-38		10	10.5	18	20-31 30-38	TCK1	CBH20-30	CBH1-1 CBH1-2 CBH1-3	TPGH0802□□L	0.07
CBH25-47	32.5	35.5	25-33 32-40 39-47		12.5	13.5	21	36-40 39-47	TCK2	CBH25-47	CBH2-1 CBH2-2 CBH2-3	TPGH0802□□L	0.12
CBH32-60	36	40	32-42 41-51 50-60		16	16	25	46-51 50-60	TCK3	CBH32-60	CBH3-1 CBH3-2 CBH3-3	TPGH0802□□L	0.21
CBH41-74	43	47	41-54 50-63 61-74		20	14	28	61-74	TCK4	CBH41-74	CBH4-1 CBH4-2 CBH4-3	TOGT1103□□L	0.40
CBH53-95	53	57	53-70 65-82 78-95		25.5	19	34	82-95	TCK5	CBH53-95	CBH5-1 CBH5-2 CBH5-3	TOGT1103□□L	1.10
CBH66-150	67.2	71	68-100 94-126 118-150		32.5	22	45.2	118-150	TCK6	CBH66-150	CBH6-1 CBH6-2 CBH6-3	TOGT1103□□L	1.47
CBH100-203	67.2	71	100-133 126-179 150-203		45.5	22	45.2	150-203	TCK6	CBH100-203	CBH6-1 CBH6-2 CBH6-3	TOGT1103□□L	2.46

■ 特點 Feature

- 中心內冷，Center for the cold machine.
- 運動平衡結構，能確保加工精度。Balancing structure based, reliable machining accuracy reached.
- 標準材料反鑽加工，加大耐用度。Against the standard of counter boring the value-added increased.

■ 可配用刀片
Inserts

型號 Model	TAK25	KV320	SK10	OP20	刀片形狀 Insert Shape	尺寸 Size(mm)			
TPGH080202L	●	●	●	●		d	l	S	R
TPGH080204L	●	●	●	●		4.75	8.2	2.4	0.2
TOGT110308L	●	●	●	●		4.75	8.2	2.4	0.4
TOGT110304L	●	●	●	●		8.35	11	3.2	0.2
TOGT110306L	●	●	●	●		8.35	11	3.2	0.4
						8.35	11	3.2	0.8

CBH大徑微調精密鏜頭

CBH Large Diameter Module Micro Boring Head



鏜孔範圍 $\Phi 200 - \Phi 910$ mm 組合系列 Boring Range From $\Phi 200 - \Phi 910$ 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	總重量 Total Weight
	C	L						
CBH200210	180	130	200-310	BST	TP110902	M2.5	T8	9.7
CBH300410	200	130	300-410					11.7
CBH400510	300	130	400-510					13.7
CBH500610	400	130	500-610					15.7
CBH600710	500	130	600-710					17.7
CBH700810	600	130	700-810					19.7
CBH800910	700	130	800-910					21.7

組合型式 Module	型號 Model	圖示 Figure	適用刀片 Applicable Inserts	總重量 Total Weight		
組合刀柄 Module holder	BST0-BST 系列 Series		TP08 M2.5 T7 TP09 M2.5 T8 TC11 M2.5 T8	-		
接排塊 Flange	BST-FL200			2.7		
接長伸板 Extension Slide	DS1200 DS1300 DS1400 DS1500 DS1600 DS1700 DS1800			3.4 5.4 7.4 9.4 11.4 13.4 15.4		
	平衡伸板 Balance Weight			CBN300		1.8
				CB200		1.8

CBH-M反鏜頭

CBH-M Counter Boring Head

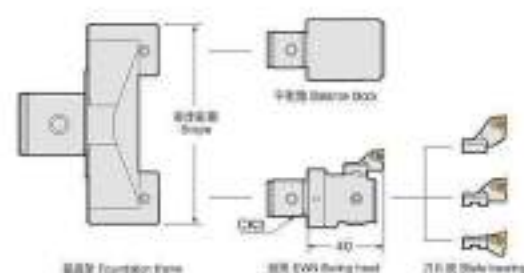


特點/Feature

- CBH-M鏜頭反向鏜孔可以進行銼孔加工
- 加工範圍 $\Phi 110 - \Phi 300$
- CBH boring head backed reverse direction can process boring machining
- Machining range $\Phi 110 - \Phi 300$

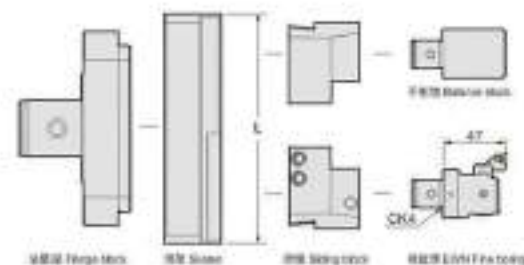
CBH-L反鏜頭

CBH-L Counter Boring Head



加工直徑 Φd Range	基礎架 Foundation Frame	鏜頭 Boring Head	平衡塊 Balance Block	刀片座 Blade Beaming	刀片 Insert
24-34 34-44 44-54	TCN6-2454-42 新淨範圍 114	CBH02-60	TCN0-CBH	CBH0-3 CBH0-2 CBH0-1	TP08
52-62 62-72 72-82	TCN6-5292-42 新淨範圍 142	CBH02-60	TCN0-CBH	CBH0-3 CBH0-2 CBH0-1	TP08
80-90 90-100 100-110	TCN6-80110-42 新淨範圍 170	CBH02-60	TCN0-CBH	CBH0-3 CBH0-2 CBH0-1	TP08

注意：1. 平衡塊安裝：平衡塊、刀片座及刀片。2. 基礎架安裝：3. 鏜孔加工時應注意。
Notes: 1. Balancing boring head, balance block, blade block and insert. 2. REV. 3. The Feed when boring tooling machining.

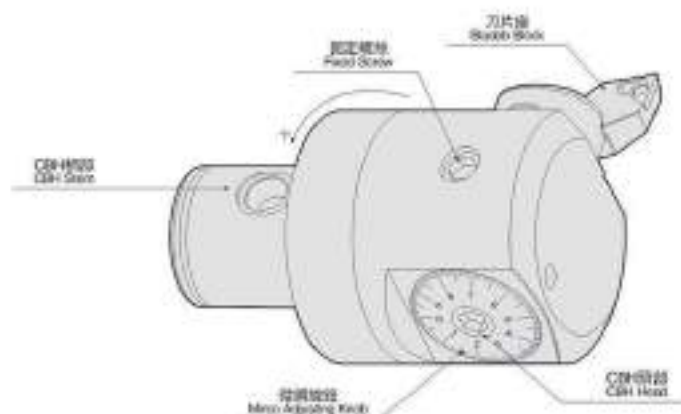


加工直徑 Φd Range	連接板 Connection Plate	橫向伸板 Horizontal Slide 型號 L	滑塊 Sliding Block	鏜頭 Boring Head	平衡塊 Balance Block
13-101 100-301 300-401 400-501 500-601 600-701	TCN6 -FL200	DS1-200 DS1-300 DS1-400 DS1-500 DS1-600 DS1-700 DS1-800	CBN300 -TCN4	CBH01-14 刀片座 4-1 刀片 TC11	TCN4
		180			
		260			
		360			
		460			
		560			

注意：1. CBH-M鏜頭上裝有刀片座(CBH-M-1)，但不裝刀片，請另外訂購。2. 加工時應注意。
Notes: 1. CBH boring head externally one blade beaming (CBH-M-1), the insert should order to others. 2. When machining, the spindle should be a second.

CBH產品主要部位名稱

The Name Of The Main Part Of Products With CBH



使用順序

Sequence Of Use

請參閱圖示，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. 旋轉螺絲針向微調螺絲，使加工直徑增大，調整量控制為0.01mm。
3. 按螺絲針向微調螺絲，使加工直徑減小。
4. 調整尺寸加工時，請按方向微調，以確保加工精度。
5. 調整好所需尺寸時，請以適當扭力鎖緊固定螺絲。

1. Loosening the fixed screws.
2. Rotating the screw needle by clockwise to increase the processing diameter, the graduate is 0.01 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 micro adjustment precision.
5. When meet the demand size, please use the proper force to lock the fixed screws.

使用者注意事項

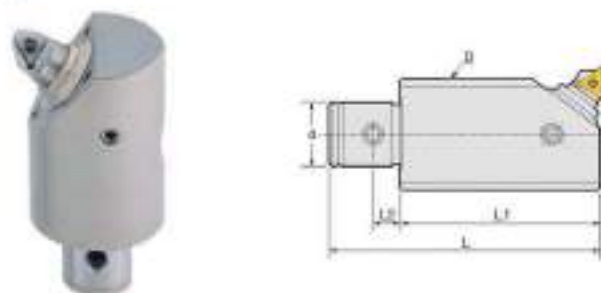
Notices Of The User

1. 請使用在加工範圍內。
2. 當螺絲在已鎖緊狀態下，請勿旋轉調整螺絲，否則會導致螺絲損壞。
3. 根據之規定，請使用專用扳手，以適當扭力來調整螺絲固定螺絲，過度調整會導致螺絲損壞，造成加工精度不良。
4. 本產品是由微調螺絲，移動刀片位置調整螺絲，在加工力過大或加工時，請停止調整，並確認以下事項：
 - 1) 固定螺絲是否鎖緊。
 - 2) 是否超出調整範圍。
 - 3) 當過度旋轉調整螺絲時，會導致調整螺絲損壞。

1. Using in the processing range.
2. Do not rotate the adjustment knob when the side is tightly locked, or the adjusting mechanism will be destroyed.
3. Please use special wrench to fix the side with three 16t screws, too much force will be lost, on the contrary, there will be accuracy of non-performing.
4. Our products use micro screws, mobile slip to rotate the adjustment knob. You should make sure the follow 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.

DYD微調精鑽孔刀杆

DYD Micro Boring Bar



斜置安裝型 Inclined Mounting Type

型號 Model	尺寸 Size(mm)					鑽孔範圍 Boring Range	組合刀柄 Modular holder	刀片型號 Insert	刀片型號 Insert
	D	d	L1	L2	L				
DYD19 DYD22 DYD29	18 20 25	11 11 14	35 35 45	4.65 4.65 62	51 51 61	19-22.5 22-29.5 29-41	TCX1 TCX1 TCX2	M2-DYD19 M2-DYD22 M3-DYD29	TBGT0801□□□□
DYD38 DYD48	35 41	18 22	70 80	7.5 9.5	90 88	38-50 48-65	TCX3 TCX4	M5-DYD38 M5-DYD48	TPGT100□□□□
DYD62 DYD82 DYD105 DYD135	54 67 84 98	26 36 36 36	80 110 130 140	12.4 15 15 15	110 150 170 180	62-90 82-110 105-140 135-175	TCX5 TCX6 TCX6 TCX6	M7-DYD62 M7-DYD82 M9-DYD105 M9-DYD135	TPGT16T3□□□□

特點 Feature

- 微調單位每調整尺寸為0.02mm，The dial each of which is 0.02mm on diameter.

可配用刀片

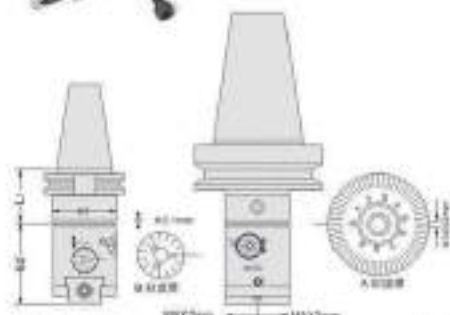
Inserts

型號 Model	TM325	KV320	SK10	OP20	刀片形狀 Insert Shape	尺寸 Size(mm)			
						d	l	S	R
TBGT0801□□□□ TBGT0801□□□□	●	●	●	●		3.97	6.4	1.59	0.2
	●	●	●	●		3.97	6.4	1.59	0.4
TPGT100□□□□ TPGT100□□□□ TPGT100□□□□	●	●	●	●		8.35	11	3.2	0.2
	●	●	●	●		8.35	11	3.2	0.4
	●	●	●	●		8.35	11	3.2	0.8
TPGT16T3□□□□ TPGT16T3□□□□	●	●	●	●		-	16	3.2	0.4
	●	●	●	●		-	16	3.2	0.8

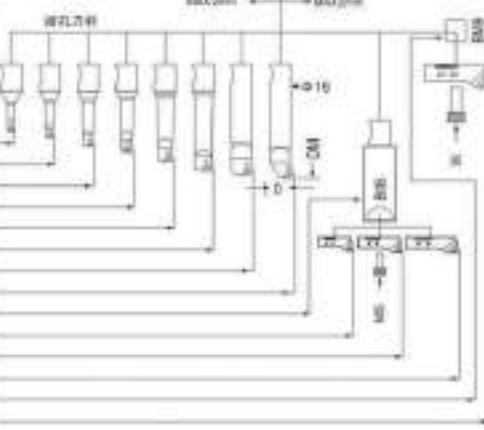
HBOR50極細微調精密鑽孔刀頭
HBOR50 Fine Micro Boring Head



型號 Model	鑽孔範圍 Boring Range	組合系統-主軸規格 Spindle Head Specifications	L
BT30-HBOR50	05-80	MAS403 BT30-H50-65	45
BT40-HBOR50	05-90	MAS403 BT40-H50-60	50
BT50-HBOR50	05-90	MAS403 BT50-H50-65	65
SK30-HBOR50	05-90	DN99871A ISO30-H50-65	65
SK40-HBOR50	05-90	DN99871A ISO40-H50-50	50
SK50-HBOR50	05-90	DN99871A ISO50-H50-50	50
HSK30-HBOR50	05-90	DN99893A HSK30-H50-50	50



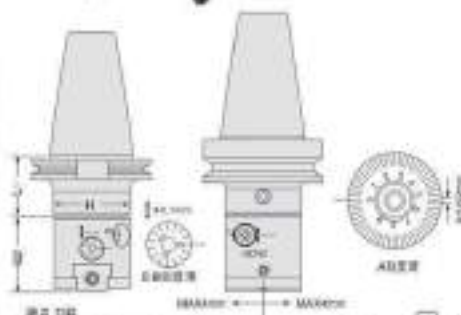
型號 Model	鑽孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
BR1006-21	6-9	21	HSGT001_L	T200405	T8F
BR1008-28	8-11	28	TGGT0401_L	T200405	T8F
BR1010-38	10-13	38			
BR1012-42	12-15	42			
BR1014-50	14-17	50	TPGH0902_L	T200505	T8F
BR1016-60	16-20	60			
BR1020-85	20-24	85	TPGH1103_L	T200505	T8F
BR1024-88	24-28	88			
BM5	65-SRTP2008 or SRTP3002 or SRTP4008			M5	L4F
SRTP2008	20-30	+10			
SRTP3002	30-52	+12	TPGH0902_L	T200505	T8F
SRTP4008	44-66	+12			
BM8			SRTP5190	M8	L6F
SRTP5190	57-90	+20	TPGH1103_L	M3	T8F



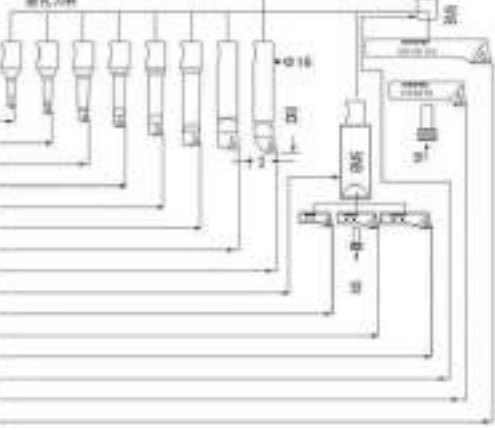
HBOR63極細微調精密鑽孔刀頭
HBOR63 Fine Micro Boring Head



型號 Model	鑽孔範圍 Boring Range	組合系統-主軸規格 Spindle Head Specifications	L
NT40-HBOR63	05-130	DN2080 ISO40M16-H63-65	65
NT50-HBOR63	05-150	DN2080 ISO50M24-H63-65	65
BT40-HBOR63	05-150	MAS403 BT40-H63-65	65
BT50-HBOR63	05-150	MAS403 BT50-H63-65	65
BT50-HBOR63	05-150	MAS403 BT50-H63-85	85
SK40-HBOR63	05-150	DN99871A ISO40-H63-60	60
SK50-HBOR63	05-150	DN99871A ISO50-H63-65	65
HSK30-HBOR63	05-150	DN99893A HSK30-H63-67	67



型號 Model	鑽孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
BR1006-21	6-9	21	HSGT001_L	T200405	T8F
BR1008-28	8-11	28	TGGT0401_L	T200405	T8F
BR1010-38	10-13	38			
BR1012-42	12-15	42			
BR1014-50	14-17	50	TPGH0902_L	T200505	T8F
BR1016-60	16-20	60			
BR1020-85	20-24	85	TPGH1103_L	T200505	T8F
BR1024-88	24-28	88			
BM5	65-SRTP2008 or SRTP3002 or SRTP4008			M5	L4F
SRTP2008	20-30	+10			
SRTP3002	30-52	+12	TPGH0902_L	T200505	T8F
SRTP4008	44-66	+12			
BM8			SRTP5190 or SRTP10190	M8	L6F
SRTP5190	70-110	+20	TPGH1103_L	M3	T8F
SRTP10190	110-180	+20			

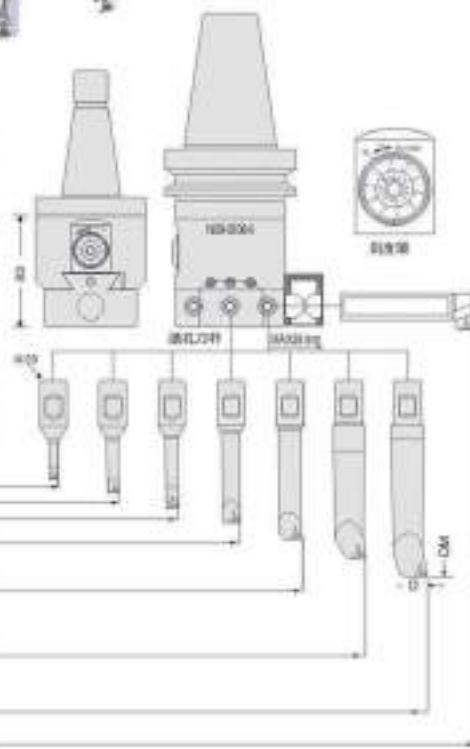


■ NBH2084微調精密鑽孔刀頭
NBH2084 Micro Boring Head



型號 Model	鑽孔範圍 Boring Range	組合系統-主軸規格 Spindle Handle Specifications
PS-NBH2084	04-250	PS-LNPF715-20-NBH2084
NT30-NBH2084	04-250	DN2080 ISO30M12-NBH2084
NT40-NBH2084	04-250	DN2080 ISO40M16-NBH2084
NT50-NBH2084	04-250	DN2080 ISO50M24-NBH2084
BT40-NBH2084	04-250	MAS403 BT40-NBH2084
BT50-NBH2084	04-250	MAS403 BT50-NBH2084

型號 Model	鑽孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
SBJ1006-32	6-11	32			
SBJ1010-40	10-13	40	TBGT0601_L	T200405	T8F
SBJ1012-53	12-17	53			
SBJ1015-68	16-21	68	TPGH002_L	T200505	T8F
SBJ1016-102		102			
SBJ1020-83		83			
SBJ1020-125		125	TPGH103_L	T300005	T8F
SBJ1020-150		150			
SBJ1020-200		200			
SBJ1025-98		98			
SBJ1025-144		144	TPGH103_L	T300005	T8F
SBJ1025-150		150			
SBJ1025-200		200			
SBJ1030-115		115			
SBJ1030-173		173	TPGH103_L	T300005	T8F
SBJ1030-200		200			
SBJ1030-L	120-280	84-81 L1	TPGH103_L	T300005	T8F

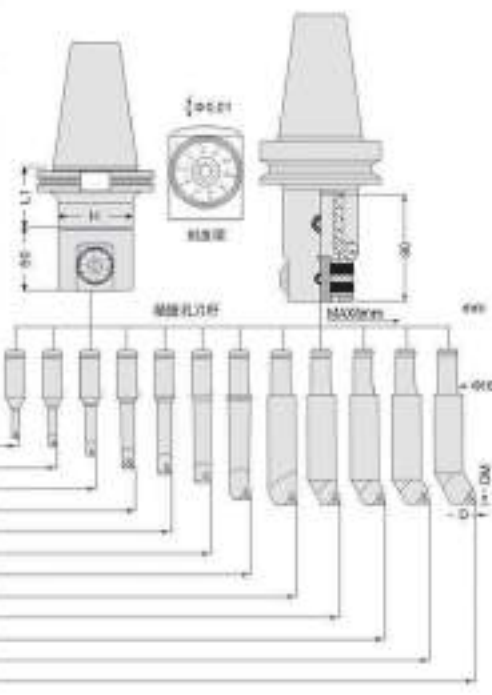


■ SBJ-16微調精鑽套裝組合
SBJ-16 Micro Boring Set



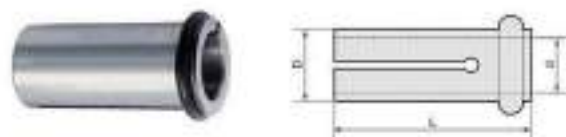
型號 Model	鑽孔範圍 Boring Range	組合系統-主軸規格 Spindle Handle Specifications	L
NT40-SBJ-16	06-51	DN2080 ISO40M16-H63-65	65
NT50-SBJ-16	06-51	DN2080 ISO50M24-H63-65	65
BT40-SBJ-16	06-51	MAS403 BT40-H63-85	85
BT50-SBJ-16	06-51	MAS403 BT50-H63-85	85
SK40-SBJ-30	06-51	DN99871A ISO40-H63-80	80
SK50-SBJ-30	06-51	DN99871A ISO50-H63-85	85
HSK63-SBJ-10	06-51	DN99893A HSK63-H63-67	67

型號 Model	鑽孔範圍 Boring Range	深度 Depth	刀片型號 Insert	螺絲 Screw	扳手 Wrench
SBJ1006-34	6-8	24	HBT0001_L		
SBJ1006-32	8-11	32	TBGT0601_L	T200405	T8F
SBJ1010-40	10-15	40			
SBJ1012-53	12-15	53			
SBJ1014-60	14-17	60	TPGH002_L	T200505	T8F
SBJ1015-68	15-21	68			
SBJ1020-83	20-25	83			
SBJ1025-90	25-31	90			
SBJ1030-90	30-36	90	TPGH103_L	T300005	T8F
SBJ1035-90	35-41	90			
SBJ1040-90	40-46	90			
SBJ1045-90	45-51	90			



■ SBJ鎢鋼刀杆專用套筒

SBJ Colet For Super Head Solid Carbide Boring Bar



型號 Model	尺寸 Size(mm)		
	D	d	L
SBJ15-S	15	6	37
15-10	15	10	37
15-12	15	12	37
15-14	15	14	37

■ TL抗震鎢鋼刀杆

TL Anti-shank Solid Carbide Boring Bar

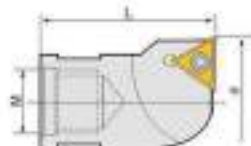


型號 Model	尺寸 Size(mm)			加工範圍 Boring Range	組合型號 Modular Boring
	D	L	M		
TL08-M5-100	8	100	M5	0-13	TEL08N
10-4M5-110	10	110	M5	12-15	TEL12N
12-4M5-120	12	120	M5	14-17	TEL14N
14-4M5-150	14	150	M5	15-20	TEL15N
16-4M10-180	16	180	M10	18-42	TEL18N TEL40N

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

■ TEL捨棄式鏢頭

TEL Throw-away Boring Head



型號 Model	尺寸 Size(mm)			加工範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench
	d	L	M				
TEL09	9	18	M5	0-10.5	TP10801	T200405	TbF
10.5	10.5	18	M5	10.5-12			
12	12	23	M5	12-14			
14	14	23	M5	14-16			
16	16	23	M5	16-18			
18	18	27	M10	18-20			
20	20	27	M10	20-22			
22	22	27	M10	22-24			
24	24	27	M10	24-26			
26	26	27	M10	26-28			
28	28	27	M10	28-30	TP10802	T220305	TbF
30	30	27	M10	30-32			
32	32	27	M10	32-34			
34	34	27	M10	34-36			
36	36	27	M10	36-38			
38	38	27	M10	38-40			
40	40	27	M10	40-42			

■ TL整體鎢鋼鏢刀杆

TL Solid Tungsten Carbide Boring Bar



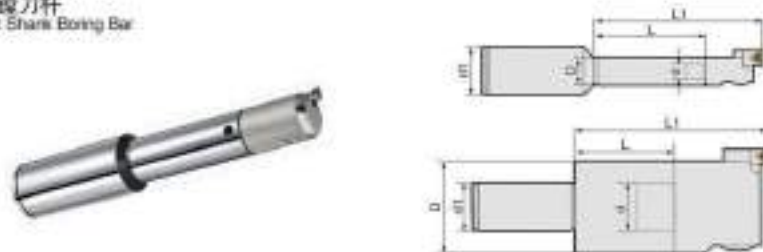
型號 Model	尺寸 Size(mm)				組合型號 Modular Boring	加長型號 Lengthen Dia.
	D	d	L1	L		
TL C19-TCR1-150	19	11	150	225	CBH20-35	19.8-25.2
C19-TCR1-200	19	11	200	275	CBH20-35	19.8-25.2
C24-TCR2-180	24	14	180	260	CBH25-40	24.0-32.2
C24-TCR2-240	24	14	240	320	CBH25-40	24.0-32.2
C32-TCR3-310	32	18	310	390	CBH32-40	31.8-42.2

■ 特點 Feature

- 超硬鎢鋼鏢刀杆，採用高硬度配方製造，堅固耐用，高硬度、高剛性、高耐磨性，可進行超深孔加工(100%)。
- 各型號均有內孔水孔，深孔加工時排屑及冷卻效果良好。
- 直柄型鏢，加工深度可視加工需求自行調整。
- 本廠所出均設有組合孔，如圖一所示時，另一端則能配合使用，增加刀杆本身長度，更適合加工。
- Super head tungsten carbide boring bar made from high toughness compound is tough and durable, highly rotating features of super hardness, high rigidity and extra vibration resistance, most suitable for extra depth boring(100%).
- Standard internal coolant hole is built in every size of the bar, tool for cooling and chip evacuation in deep hole boring.
- Featuring straight shank structure, the bar can be adjusted to different working lengths.
- On both ends of main body integrant are soldering holes. One hole will be separated by the other upon breaking. This will reduce your cost and greatly increase the value of boring bar.

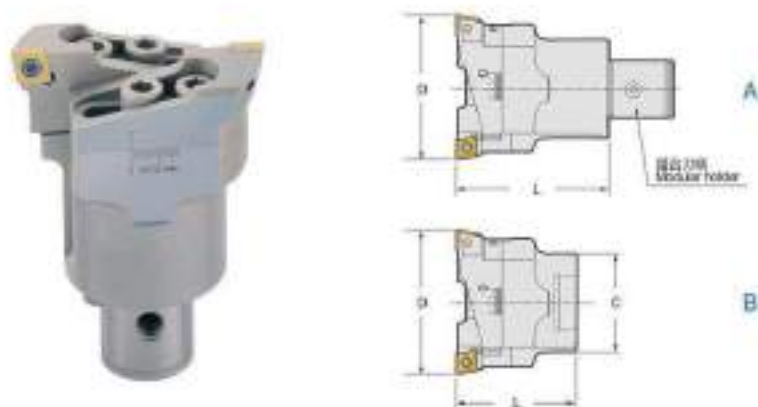
■ C32直柄鏢刀杆

C32 Straight Shank Boring Bar



型號 Model	尺寸 Size(mm)					組合型號 Modular Boring
	D	d	d1	L1	L	
C32-TCR1-075L	19	11	32	110	75	CBH20-35, DYD18, DYD22
C32-TCR2-075L	24	14	32	110	70	CBH25-40, TBH2533, DYD29
C32-TCR2-125L	24	14	32	160	120	CBH25-40, TBH2533, DYD29
C32-TCR3-075L	32	18	32	110	70	CBH32-40, TBH3242, DYD36
C32-TCR3-125L	32	18	32	160	120	CBH32-40, TBH3242, DYD36
C32-TCR4-085L	36	22	32	110	80	CBH40-50, TBH4025, DYD46
C32-TCR4-110L	36	22	32	160	110	CBH40-50, TBH4025, DYD46
C32-TCR5-085L	50	28	50	120	80	CBH55-60, TBH5270, DYD62
C32-TCR5-120L	50	28	50	180	120	CBH55-60, TBH5270, DYD62
C32-TCR6-085L	64	36	32	130	80	CBH70-70, CBH84-72, CBH106-72, CBH150-68, TBH882, TBH9022, DYD62, DYD105, DYD136
C32-TCR6-120L	64	36	32	190	120	CBH70-70, CBH84-72, CBH106-72, CBH150-68, TBH882, TBH9022, DYD62, DYD105, DYD136

■ TBH分體式粗鏜孔刀頭
TBH Module Roughing Boring Head



型號 Model	圖示 Figure	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
		C	L					
TBH4033-C	A	24	45	25-33	TCK3	CC10902	T250005	T6F
TBH4034-C	A	31	55	32-42	TCK3	TC11102	T250005	T6F
TBH4034-C	A	31	55	32-42	TCK3	CC10902	T250005	T6F
TBH4035-T	A	30	55	42-55	TCK4	TC11873	T400005	T15F
TBH4035-C	A	30	55	42-55	TCK4	CC10973	T400005	T15F
TBH4037-T	A	50	75	52-70	TCK5	TC11873	T400005	T15F
TBH4037-C	A	50	75	52-70	TCK5	CC10973	T400005	T15F
TBH4038-T	A	64	85	68-92	TCK6	TC11873	T501205	T20F
TBH4038-C	A	64	85	68-92	TCK6	CC11204	T501205	T20F
TBH4012-T	A	84	100	90-122	TCK6	TC12204	T501205	T20F
TBH4012-C	A	84	100	90-122	TCK6	CC11204	T501205	T20F
TBH40154-T	B	95	95	125-164	BT50-BST	TC12204	T501205	T20F
TBH40154-C	B	95	95	125-164	BT50-BST	CC11204	T501205	T20F
TBH40204-T	B	95	95	160-204	BT50-BST	TC12204	T501205	T20F
TBH40204-C	B	95	95	160-204	BT50-BST	CC11204	T501205	T20F

■ 特點 Feature

- 適用於單刀鏜孔、雙刀鏜孔及高壓鏜孔。鏜孔範圍：TCK分體式25-122 BST分體式120-910。
- 新穎刀力平衡設計，刀柄採用，加工時，能承受的二次作用力極低，產生最大剛性和穩定力，適用各種型的鏜孔作業。
- 可將磨削加工要求，輕鬆調整磨刀，作少量多次的加工，加工深度可配合延長杆任意調整。
- 精準的製造和校，能確保磨削系統達到所需的孔徑範圍。
- 適用於各種切屑中心磨削或磨削配合使用，并可配合各種磨削磨削磨削的刀片，將磨削力與磨削時間大幅降低，提高磨削效率。
- 高抗磨設計，平均磨削力均可採用。
- 適用120以上大孔磨削刀，使用磨削磨削，磨削磨削磨削。
- The head is suitable for single fit boring, two-fit boring and step boring with working diameter from $\phi 25$ to $\phi 122$ for modular TCK, $\phi 120$ to $\phi 910$ for modular BST.
- New cartridge style with built-up fit. 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 different. Boring depth can be extended by tool connector.
- Clear axis division provides a convenient adjustment without using a tool pre-actor.
- 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 ring boring design, suitable for both hole boring and step boring.
- Boring heads over $\phi 120$ mm feature dismountable, simple structure and high rigidity.

■ TBH大徑雙刀粗鏜頭
TBH Large Diameter Modular Rough Boring

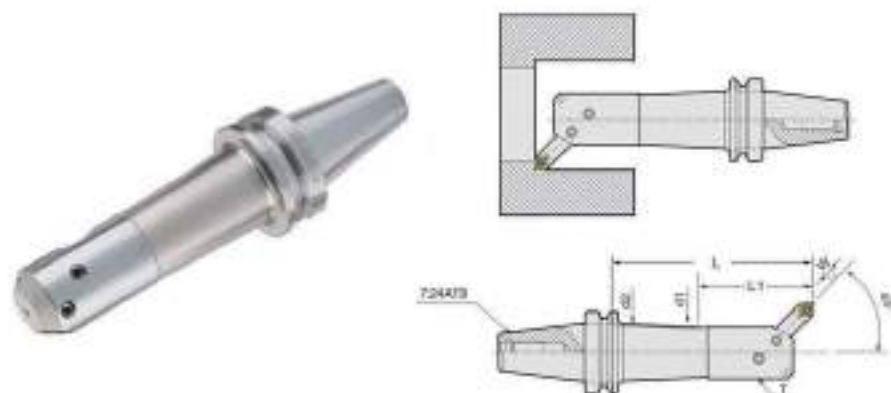


鏜孔範圍 $\phi 200 - \phi 910$ mm 組合系列 Boring Range From $\phi 200 - \phi 910$ mm

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	雙刀重量 Total Weight
TBH403310	100	130	200-310	BST	(磨削刀片片) DB200-C12 DB200-T16 DB200-T22 DB200-S12	T501205	T20F	9.7
TBH403410	200	130	300-410					13.7
TBH403510	300	130	400-510					13.7
TBH403610	400	150	500-610					15.7
TBH403710	500	130	600-710					17.7
TBH403810	600	150	700-810					19.7
TBH403910	700	150	800-910					21.7

組合型式 Module	型號 Model	圖示 Figure	重量 Weight
組合刀柄 Modular holder	BT50-BST BT50 Series		-
磨削盤 Flange	BST-FL200		2.7
磨削磨板 Extensor Side	DBT200 DBT300 DBT400 DBT500 DBT600 DBT700 DBT800		3.4 5.4 7.4 9.4 11.4 13.4 15.4
磨削 Clamp Bar	DB200		0.98
刀片磨削片 Height Setting Shim	DB201		0.05
刀片磨削片 Insert Setting And Applicable Insert	DB200-C12 CC1204 DB200-T16 TC1073 DB200-T22 TC2004 DB200-S12 SC1204		0.08

■ BSA45度粗鏢孔刀柄
BSA 45° Roughing Boring Bar

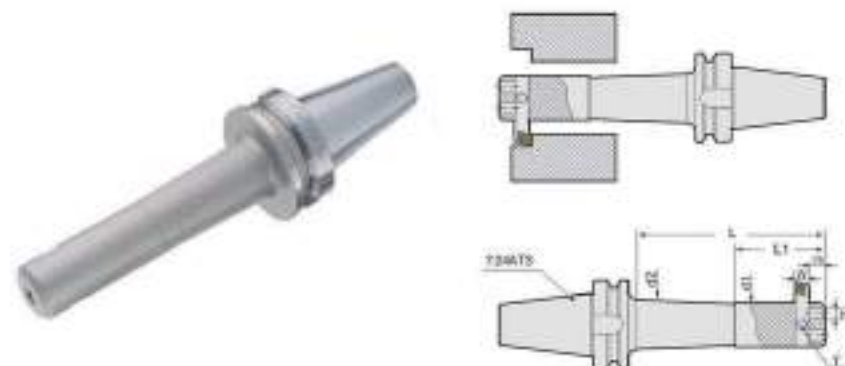


型號 Model	尺寸 Size(mm)				鏢孔範圍 Boring Range	W	螺絲 Screw T	重量 Weight
	d	d1	L	L1				
BT40 BSA25-120	20	22	35	90	25-38	8	SM6	1.3
BSA30-150	24	26	40	120	30-42	8	SM6	1.6
BSA36-165	30	33	50	135	36-52	10	SM8	1.8
BSA42-185	34	37	50	135	42-58	10	SM8	2.1
BSA50-185	40	44	65	135	50-65	13	SM8	2.4
BSA62-190	50	56	80	150	62-90	16	SM10	2.6
BSA72-190	60	66	95	150	72-110	19	SM10	4.0
BSA90-190	75	80	110	150	90-125	19	SM10	5.3
BT50 BSA25-135	20	22	35	92	25-38	8	SM6	4.3
BSA30-155	24	26	40	122	30-42	8	SM6	4.5
BSA36-180	30	33	50	137	36-52	10	SM8	4.9
BSA42-210	34	37	60	167	42-58	10	SM8	5.1
BSA50-190	40	44	65	137	50-65	13	SM10	5.5
BSA50-240	40	44	65	197	50-65	13	SM10	5.8
BSA62-195	50	56	80	152	62-90	16	SM10	6.3
BSA62-270	50	56	80	227	62-90	16	SM10	7.7
BSA72-195	60	66	95	152	72-110	19	SM10	7.1
BSA72-285	60	66	95	242	72-110	19	SM10	9.4
BSA90-270	75	80	110	257	90-125	19	SM12	9.5
BSA90-300	75	80	110	257	90-125	19	SM12	12.8
BSA105-195	90	94	130	152	105-190	25	SM12	11.0
BSA105-285	90	94	130	242	105-190	25	SM12	15.3

■ 特點Feature

- 可選用適合粗鏢刀具或排屑式刀具。
- 鏢孔專用。
- We use also choose 4 corner joining outer or throw-away cutting tool.
- Specialty for blind hole.

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



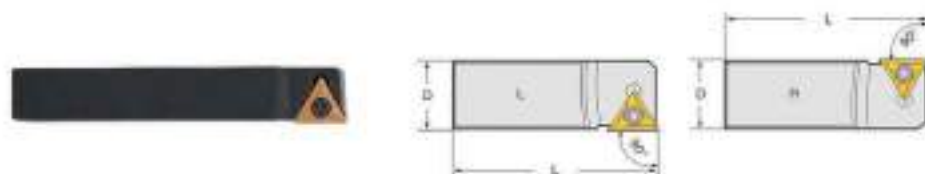
型號 Model	尺寸 Size(mm)				鏢孔範圍 Boring Range	W	螺絲 Screw T	重量 Weight
	d	d1	L	L1				
BT40 BSB25-120	20	22	35	90	25-32	8	SM6	1.3
BSB30-150	24	26	40	120	30-40	10	SM8	1.8
BSB36-165	30	33	50	135	36-50	13	SM10	2.6
BSB42-180	34	37	60	150	42-115	16	SM10	3.7
BSB50-190	40	44	70	150	50-150	19	SM12	6.0
BT50 BSB25-135	20	22	35	92	25-32	8	SM6	4.5
BSB30-155	24	26	40	137	30-40	10	SM8	5.1
BSB36-180	30	33	50	137	36-50	13	SM10	5.7
BSB42-240	34	37	70	197	42-90	13	SM10	6.0
BSB50-195	40	44	80	152	50-115	16	SM10	6.7
BSB62-270	50	56	80	227	62-115	16	SM10	8.1
BSB72-195	60	66	95	152	72-135	19	SM12	7.6
BSB72-285	60	66	95	242	72-135	19	SM12	9.9
BSB90-210	75	80	115	167	90-150	19	SM12	10.0
BSB90-300	75	80	115	257	90-150	19	SM12	13.1
BSB105-195	90	94	135	152	105-190	25	SM12	11.7
BSB105-285	90	94	135	242	105-190	25	SM12	16.0

■ 特點Feature

- 適用於孔內凹不平、毛邊和銹之加工。
- 可選用適合粗鏢刀具或排屑式刀具。
- 適用於通孔、盲孔加工。
- Available for unskilled hole neck or roughness workpiece.
- We can also choose 4 corner joining outer or throw-away cutting tool.
- Specialty for blind hole.

TBS捨棄式鑽孔刀杆

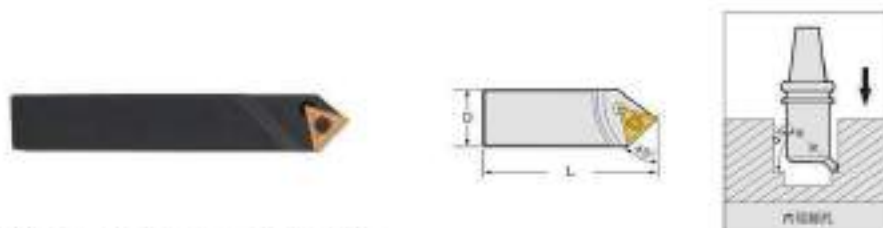
TBS Hole Boring Throw-away Cutting Tool



T90度刀杆適用於BSB刀柄 Fit For BSB Boring Bar

型號 Model	尺寸 Size(mm)		鑽孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench
	D	L				
TBS 910-30-L/R	10	30	30-50	TP*0902	T250305	TBF
910-45-L/R	10	45	50-70			
TBS 913-48-L/R	13	48	50-70			
913-65-L/R	13	65	70-90			
915-60-L/R	15	60	62-90	TP*1103	T300705	TBF
915-80-L/R	15	80	90-115			
TBS 919-70-L/R	19	70	72-105			
919-90-L/R	19	90	105-135			
919-65-L/R	19	65	90-115	TP*1803	T400905	T15F
919-105-L/R	19	105	115-150			
925-100-L/R	25	100	105-140			
925-135-L/R	25	130	140-190			

R為右手刀鋒型號



T45度刀杆適用於BSA刀柄 Fit For BSA Boring Bar

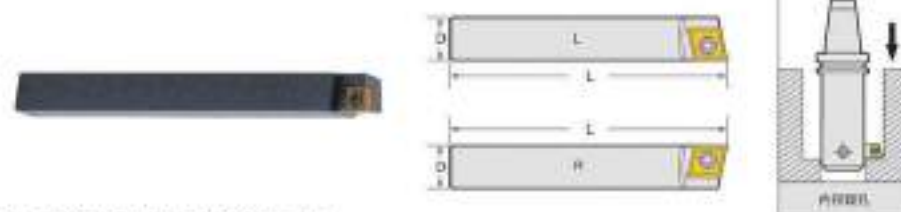
型號 Model	尺寸 Size(mm)		鑽孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench
	D	L				
TBS 410-45	10	45	38-52	TP*0902	T250305	TBF
410-50	10	50	42-58			
TBS 413-60	13	60	30-45			
415-75	15	75	62-90			
TBS 419-90	19	90	75-110	TP*1803	T400905	T15F
419-115	19	115	90-125			
425-130	25	130	105-180			

特點Feature

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

CBS捨棄式鑽孔刀杆

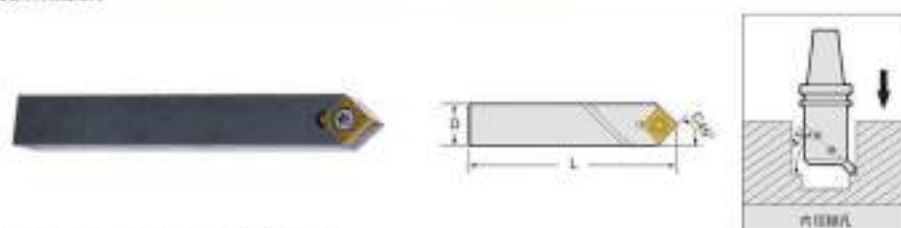
CBS Hole Boring Throw-away Cutting Tool



C90度刀杆適用於BSB刀柄 Fit For BSB Boring Bar

型號 Model	尺寸 Size(mm)		鑽孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench
	D	L				
CBS 908-25-L/R	8	25	25-38	CC*0902	T250305	TBF
908-30-L/R	8	30	38-52			
910-36-L/R	10	36	38-50			
910-45-L/R	10	45	50-70			
CBS 913-48-L/R	13	48	50-70	CC*09T3	T400905	T15F
913-65-L/R	13	65	70-90			
915-60-L/R	15	60	62-90			
915-80-L/R	15	80	90-115			
CBS 919-70-L/R	19	70	72-105	CC*1204	T501205	T20F
919-90-L/R	19	90	105-135			
919-65-L/R	19	65	90-115			
919-105-L/R	19	105	115-150			
925-100-L/R	25	100	105-140			
925-135-L/R	25	133	140-190			

R為右手刀鋒型號



C45度刀杆適用於BSA刀柄 Fit For BSA Boring Bar

型號 Model	尺寸 Size(mm)		鑽孔範圍 Boring Range	刀片型號 Insert	螺絲 Screw	扳手 Wrench
	D	L				
CBS 408-30	8	30	25-38	CC*0902	T250305	TBF
408-35	8	35	30-42			
410-45	10	45	38-52			
410-50	10	50	42-58			
CBS 413-60	13	60	30-45	CC*09T3	T400905	T15F
415-75	15	75	62-90			
CBS 419-115	19	115	90-125	CC*1204	T501205	T20F
425-130	25	130	105-180			

特點Feature

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

■ TB雙刃粗鑽刀杆
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
		D	φ	L	L1			
TB C15-TB15-110	2	14.7	16	80	110	CCMT080204	T280905	T8F
C16-TB16-110	2	15.7	16	80	110			
C16-TB17-110	2	16.7	16	40	110			
C16-TB18-110	2	17.7	16	40	110			
C16-TB19-110	2	18.7	16	40	110			
C16-TB20-110	2	19.7	16	40	110			
C20-TB21-120	2	20.7	20	40	120			
C20-TB22-120	2	21.7	20	40	120			
C20-TB23-120	2	22.7	20	40	120			
C20-TB24-120	2	23.7	20	40	120			
C20-TB25-120	2	24.7	20	40	120			
TB C25-TB25-120	2	25.7	20	40	120	CCMT09T308	T400805	T15F
C25-TB27-120	2	26.7	20	40	120			
C25-TB28-120	2	27.7	20	40	120			
TB C25-TB25-160	2	24.7	25	100	160	CCMT080204	T280905	T8F
TB C25-TB30-160	2	29.7	25	90	160			
C25-TB30-160	2	29.7	25	90	160			
C25-TB32-160	2	31.7	25	90	160			
C25-TB35-160	2	34.7	25	90	160			
C25-TB37-160	2	36.7	25	90	160			
C25-TB40-160	2	38.7	25	90	160			
C32-TB35-200	2	34.7	32	90	200			
C32-TB40-200	2	38.7	32	90	200			
C32-TB42-200	2	41.7	32	90	200			
C32-TB45-200	2	44.7	32	90	200	CCMT09T308	T400805	T15F
C32-TB47-200	2	46.7	32	90	200			
C32-TB50-200	2	48.7	32	90	200			
C32-TB55-200	2	48.7	32	90	200			
C32-TB60-200	2	48.7	32	90	200			

適用SUTABLE, 日立刀片+HITACHI INSERT

■ 可配用刀片
Inserts

型號 Model	C860	C860S	MP860	JH10	MX205	刀片形狀 Insert Shape	尺寸 Size(mm)			
							d	l	S	R
CCMT080204	●	●	●	●	●		8.25	8.4	2.38	0.4
CCMT080208	●	●	●	●	●		8.25	8.4	2.38	0.8
CCMT09T304	●	●	●	●	●		9.625	9.7	3.97	0.4
CCMT09T308	●	●	●	●	●		9.625	9.7	3.97	0.8

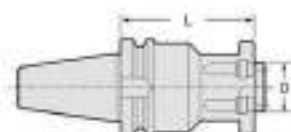
■ TLC固定式雙刃粗鑽頭
TLC Fixed Twin-bit Rough Boring Head



型號 Model	刃數 No. of Flutes	尺寸 Size(mm)			刀片型號 Insert	螺絲 Screw	扳手 Wrench
		D	φ	H			
TLC 22-40	2	44.7	22	50	CCMT08T308	T400805	T15F
22-60	2	49.7	22	50			
22-65	2	54.7	22	50			
22-80	2	59.7	22	50			
27-60	2	59.7	27	50			
27-65	2	64.7	27	50			
27-70	2	69.7	27	50			
27-75	2	74.7	27	50			
27-80	2	79.7	27	50			
27-85	2	84.7	27	50			
27-90	2	89.7	27	50			
27-95	2	94.7	27	50			
27-100	2	99.7	27	50			
32-105	2	104.7	32	60			
32-110	2	109.7	32	60			
32-115	2	114.7	32	60			
32-120	2	119.7	32	60			
32-125	2	124.7	32	60			
32-130	2	129.7	32	60			

適用SUTABLE, 日立刀片+HITACHI INSERT

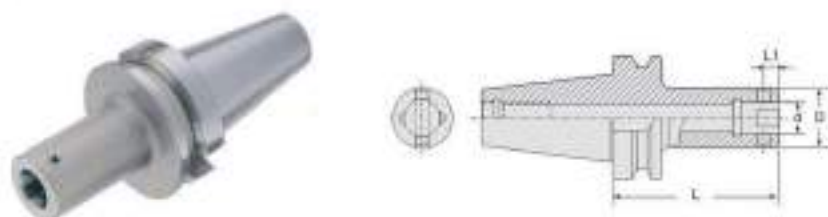
■ BST鑽頭刀柄
BST Boring Heads Bar



BST 鑽頭刀柄孔徑範圍 > φ200
BST Boring tool for roughing and precision boring bar (Boring range > φ200)

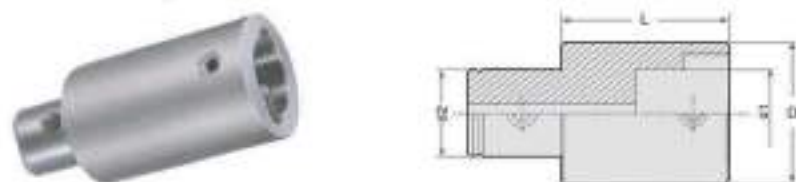
型號 Model	尺寸 Size(mm)	
	D	L
BT50-BST-100	50	100
BT50-BST-150	50	150
BT50-BST-200	50	200
BT50-BST-250	50	250
BT50-BST-300	50	300
BT50-BST-350	50	350

■ TCK鏜頭刀柄
TCK Boring Head Bar



型號 Model	尺寸 Size(mm)				備註及螺絲 Screw
	D	d	L1	L	
BT30 TCK1-35	19	11	5.05	55	SM5
TCK1-70	19	11	5.05	70	
TCK1-80	24	14	5.02	80	
TCK1-90	31	18	8	90	
TCK1-100	36	22	10	100	
TCK1-120	50	28	13	120	SM10
TCK1-150	64	36	15	150	
BT40 TCK1-100	19	11	5.05	100	SM5
TCK1-130	19	11	5.05	130	
BT40 TCK2-75	24	14	5.02	75	
TCK2-100	24	14	5.02	100	SM6
TCK2-130	24	14	5.02	130	
BT40 TCK3-80	31	18	8	80	
TCK3-100	31	18	8	100	SM8
TCK3-135	31	18	8	135	
BT40 TCK4-70	36	22	10	70	SM8
TCK4-100	36	22	10	100	
TCK4-150	36	22	10	150	
BT40 TCK5-80	50	28	13	80	SM10
TCK5-80	50	28	13	80	
TCK5-100	50	28	13	100	
TCK5-150	50	28	13	150	
BT40 TCK6-55	64	36	15	55	SM12
TCK6-100	64	36	15	100	
TCK6-150	64	36	15	150	
BT50 TCK1-115	19	11	5.05	115	SM5
TCK1-145	19	11	5.05	145	
BT50 TCK2-105	24	14	5.02	105	
TCK2-135	24	14	5.02	135	SM6
TCK2-165	24	14	5.02	165	
BT50 TCK3-110	31	18	8	110	
TCK3-140	31	18	8	140	SM6
TCK3-170	31	18	8	170	
BT50 TCK4-100	36	22	10	100	SM8
TCK4-160	36	22	10	160	
TCK4-205	36	22	10	205	
BT50 TCK5-90	50	28	13	90	SM10
TCK5-165	50	28	13	165	
DC X3-210	50	28	13	210	
TCK5-270	50	28	13	270	
BT50 TCK6-85	64	36	15	85	
TCK6-155	64	36	15	155	SM12
TCK6-215	64	36	15	215	
TCK6-250	64	36	15	250	
TCK6-300	64	36	15	300	
TCK6-350	64	36	15	350	

■ TCK等徑延長接柄
TCK Equal Diameter Extension Adapter



型號 Model	尺寸 Size(mm)				重量 Weight
	D	d	L		
TCK 1-1-30	19	11	11	30	0.07
2-2-30	24	14	14	30	0.1
3-3-30	31	18	18	30	0.15
4-4-45	36	22	22	45	0.4
4-4-60	36	22	22	60	0.4
5-5-60	50	28	28	60	0.8
5-5-90	50	28	28	90	0.8
6-6-60	64	36	36	60	1.4
6-6-100	64	36	36	100	1.4

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



型號 Model	尺寸 Size(mm)						重量 Weight
	D1	D2	d1	d2	L1	L	
TCK 2-1-36	11	9	14	-	30	36	0.1
3-1-41	11	9	18	31	30	41	0.15
3-2-37	14	24	18	31	25	37	0.15
4-1-58	11	9	22	39	40	58	0.3
4-2-50	14	24	22	39	36	50	0.3
4-3-50	18	31	22	39	37	50	0.35
5-1-60	11	9	28	50	40	60	0.45
5-2-64	14	24	28	50	36	64	0.45
5-3-74	14	24	28	50	55	74	0.5
5-4-71	18	31	28	50	52	71	0.5
5-5-72	18	31	28	50	54	72	0.5
5-4-42	22	39	28	50	25	42	0.5
5-4-67	22	39	28	50	51	67	0.7
5-1-70	11	9	36	64	40	70	0.9
5-2-63	14	24	36	64	45	63	0.7
5-2-93	14	24	36	64	75	93	0.8
5-3-96	18	31	36	64	58	96	0.75
5-3-96	18	31	36	64	79	96	0.95
5-4-51	22	39	36	64	25	51	0.85
5-4-101	22	39	36	64	85	101	1.3
5-5-41	28	50	36	64	25	41	0.85
5-5-91	28	50	36	64	75	91	1.45

■ 捨棄式快速鑽頭 Dx2
Decart Type Quick Drill

型號 Model	尺寸 Size(mm)						適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench
	D	L	L1	L2	L3	d			
TSD16-CS20x20	16	101	51	36	36	20	WCM030208	T25080G	T8F
TSD17-CS20x20	17	105	53	38	34	20			
TSD18-CS20x20	18	112	56	40	36	20			
TSD19-CS20x20	19	114	58	42	38	20			
TSD20-CS20x20	20	117	61	44	40	20			
TSD21-CS20x20	21	120	64	46	42	20	WCM040208	T25080G	T8F
TSD22-CS20x20	22	122	66	48	44	20			
TSD23-CS20x20	23	125	69	50	46	20			
TSD24-CS20x20	24	127	71	52	48	20			
TSD25-CS20x20	25	130	74	54	50	20			
TSD26-CS20x20	26	137	77	56	52	20	WCM050308	T30080G	T10F
TSD27-CS20x20	27	139	79	58	54	20			
TSD28-CS20x20	28	142	82	60	56	20			
TSD29-CS20x20	29	144	84	62	58	20			
TSD30-CS20x20	30	147	87	64	60	20			
TSD31-CS20x20	31	160	90	66	62	20	WCM06T308	T35080G	T15F
TSD32-CS20x20	32	162	92	68	64	20			
TSD33-CS40x20	33	165	95	70	66	20			
TSD34-CS40x20	34	168	98	73	68	20			
TSD35-CS40x20	35	171	101	75	70	20			
TSD36-CS40x20	36	174	104	77	72	20			
TSD37-CS40x20	37	175	105	78	74	20			
TSD38-CS40x20	38	176	106	80	76	20			
TSD39-CS40x20	39	180	110	82	78	20			
TSD40-CS40x20	40	183	113	84	80	20			
TSD41-CS40x20	41	187	117	87	82	20	WCM060412	T40080G	T15F
TSD42-CS40x20	42	189	119	89	84	20			
TSD43-CS40x20	43	192	122	91	86	20			
TSD44-CS40x20	44	194	124	93	88	20			
TSD45-CS40x20	45	197	127	95	90	20			
TSD46-CS40x20	46	200	130	97	92	20			
TSD47-CS40x20	47	202	132	99	94	20			
TSD48-CS40x20	48	205	135	101	96	20			
TSD49-CS40x20	49	207	137	103	98	20			
TSD50-CS40x20	50	210	140	105	100	20			

■ 捨棄式快速鑽頭 Dx3
Decart Type Quick Drill

型號 Model	尺寸 Size(mm)						適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench
	D	L	L1	L2	L3	d			
TSD14-CS20x30	14	108	58	40	40	20	WCM030208	T25080G	T8F
TSD15-CS20x30	15	112	62	44	40	20			
TSD16-CS20x30	16	116	66	48	40	20			
TSD17-CS20x30	17	119	69	51	40	20			
TSD18-CS20x30	18	123	73	55	40	20			
TSD19-CS20x30	19	132	76	60	57	25	WCM040208	T25080G	T8F
TSD20-CS20x30	20	137	81	64	60	25			
TSD21-CS20x30	21	140	84	66	63	25			
TSD22-CS20x30	22	143	87	69	66	25			
TSD23-CS20x30	23	147	91	72	69	25			
TSD24-CS20x30	24	151	95	75	72	25	WCM050308	T30080G	T10F
TSD25-CS20x30	25	155	99	79	75	25			
TSD26-CS20x30	26	162	102	81	78	25			
TSD27-CS20x30	27	165	105	84	81	25			
TSD28-CS20x30	28	169	109	87	84	25			
TSD29-CS20x30	29	172	112	90	87	25	WCM0607308	T35080G	T15F
TSD30-CS20x30	30	177	117	94	90	25			
TSD31-CS20x30	31	191	121	97	93	25			
TSD32-CS20x30	32	194	124	100	96	25			
TSD33-CS40x30	33	198	128	103	99	25			
TSD34-CS40x30	34	201	131	106	102	25			
TSD35-CS40x30	35	205	135	109	105	25			
TSD36-CS40x30	36	209	139	112	108	25			
TSD37-CS40x30	37	212	142	115	111	25			
TSD38-CS40x30	38	216	146	118	114	25			
TSD39-CS40x30	39	219	149	121	117	25	WCM060412	T40080G	T15F
TSD40-CS40x30	40	223	153	124	120	25			
TSD41-CS40x30	41	227	157	127	123	25			
TSD42-CS40x30	42	230	160	130	126	25			
TSD43-CS40x30	43	234	164	133	129	25			
TSD44-CS40x30	44	237	167	136	132	25			
TSD45-CS40x30	45	242	172	140	135	25			
TSD46-CS40x30	46	246	176	143	138	25			
TSD47-CS40x30	47	249	179	146	141	25			
TSD48-CS40x30	48	253	183	149	144	25			
TSD49-CS40x30	49	256	186	152	147	25	WCM060412	T40080G	T15F
TSD50-CS40x30	50	260	190	155	150	25			
TSD51-CS40x30	51	264	194	158	153	25			
TSD52-CS40x30	52	267	197	161	156	25			
TSD53-CS40x30	53	271	201	164	159	25			
TSD54-CS40x30	54	274	204	167	162	25			
TSD55-CS40x30	55	279	209	171	165	25			
TSD56-CS40x30	56	283	213	174	168	25			
TSD57-CS40x30	57	286	216	177	171	25			
TSD58-CS40x30	58	290	220	180	174	25			
TSD59-CS40x30	59	294	224	183	177	25	WCM060412	T40080G	T15F
TSD60-CS40x30	60	296	226	186	180	25			

■ 捨棄式快速鑽頭 Dx4
Decard Type Quick Drill



型號 Model	尺寸 Size(mm)						適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench
	D	L	L1	L2	L3	d			
TSD14-CS20x40	14	122	72	39	30	20	WCMX030206	T25080G	T8F
TSD15-CS20x40	15	127	77	43	30	20			
TSD16-CS20x40	16	132	82	47	30	20			
TSD17-CS20x40	17	136	86	51	30	20			
TSD18-CS20x40	18	147	91	55	30	20			
TSD19-CS20x40	19	151	95	59	30	20			
TSD20-CS20x40	20	157	101	64	30	20	WCMX040206	T35080G	T8F
TSD21-CS20x40	21	161	105	67	30	20			
TSD22-CS20x40	22	166	109	71	30	20			
TSD23-CS20x40	23	170	114	75	30	20			
TSD24-CS20x40	24	176	117	80	30	20			
TSD25-CS20x40	25	180	124	84	30	20			
TSD26-CS32x40	26	188	128	90	30	32	WCMX050306	T30080G	T10F
TSD27-CS32x40	27	192	132	94	30	32			
TSD28-CS32x40	28	197	137	98	30	32			
TSD29-CS32x40	29	201	141	102	30	32			
TSD30-CS32x40	30	207	147	106	30	32			
TSD31-CS32x40	31	212	152	110	30	32			
TSD32-CS32x40	32	216	156	114	30	32	WCMX06T306	T35080G	T15F
TSD33-CS40x40	33	231	161	128	30	40			
TSD34-CS40x40	34	236	165	132	30	40			
TSD35-CS40x40	35	240	170	136	30	40			
TSD36-CS40x40	36	245	175	140	30	40			
TSD37-CS40x40	37	249	179	144	30	40			
TSD38-CS40x40	38	254	184	148	30	40	WCMX080412	T40080G	T15F
TSD39-CS40x40	39	258	188	152	30	40			
TSD40-CS40x40	40	263	193	156	30	40			
TSD41-CS40x40	41	269	199	162	30	40			
TSD42-CS50x40	42	291	211	180	30	50			
TSD43-CS50x40	43	300	220	190	30	50			

■ 捨棄式快速鑽頭 Dx3
Decard Type Quick Drill



型號 Model	尺寸 Size(mm)						適用刀片 Applicable Inserts	螺絲 Screw	扳手 Wrench
	D	L	L1	L2	L3	d			
TSD14.5-CS20x3D	14.5	110	60	40	44	20	WCMX030206	T20080G	T8F
TSD15.5-CS20x3D	15.5	114	64	40	47	20			
TSD16.5-CS20x3D	16.5	118	68	40	50	20			
TSD17.5-CS20x3D	17.5	128	72	40	53	20			
TSD18.5-CS20x3D	18.5	131	75	40	56	20			
TSD19.5-CS20x3D	19.5	137	81	40	59	20			
TSD20.5-CS20x3D	20.5	140	84	40	62	20	WCMX040206	T20080G	T8F
TSD21.5-CS20x3D	21.5	143	87	40	65	20			
TSD22.5-CS20x3D	22.5	147	91	40	68	20			
TSD23.5-CS20x3D	23.5	151	95	40	71	20			
TSD24.5-CS20x3D	24.5	156	99	40	74	20			
TSD25.5-CS20x3D	25.5	162	102	40	77	20			

■ 鑽孔刀片
Drilling Inserts

ISO分級 ISO Classification	P	M	K	N	S	H	適用材料 Applicable Materials				備註 Remarks
	合金鋼 Alloy Steel	不銹鋼 Stainless Steel	鐵鋼 Cast Iron	鋁合金及銅 Aluminum and Copper	高硬度合金 Super Alloy	高硬度材料 High Hardness Materials	PCD	PCBN	CBN	CBN	
	WCX030306	WCX030306	WCX030306	WCX030306	WCX030306	WCX030306	●	●	●	●	備註: ● 適用於加工材料 ○ 不適用於加工材料 ▲ 常用材料 ★ 常用材料
	WCX040306	WCX040306	WCX040306	WCX040306	WCX040306	WCX040306	●	●	●	●	
	WCX050306	WCX050306	WCX050306	WCX050306	WCX050306	WCX050306	●	●	●	●	
	WCX06T306	WCX06T306	WCX06T306	WCX06T306	WCX06T306	WCX06T306	●	●	●	●	
	WCX080412	WCX080412	WCX080412	WCX080412	WCX080412	WCX080412	●	●	●	●	