RBH®

Acmaxin®

組合式搪刀系統
BORING SYSTEM

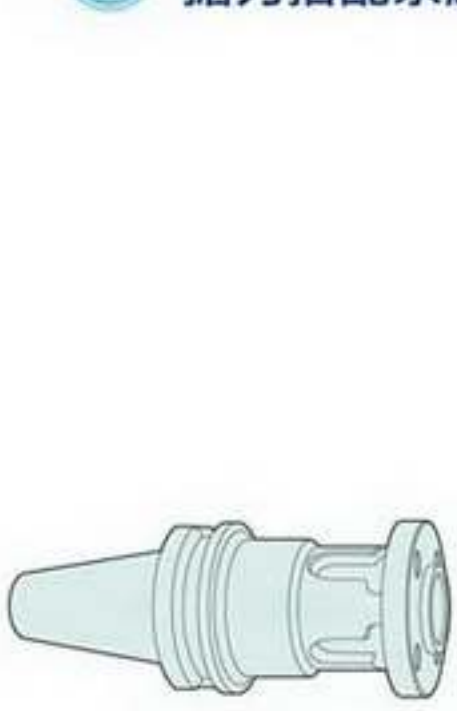
搪刀系統

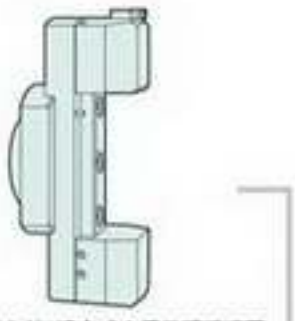
微調精搪刀	FINISH BORING HEAD
可調式雙刃粗搪刀	INDEXABLE ROUGH BORING HEAD
可調式大徑雙刃粗搪刀	LARGE DIAMETER ROUGH BORING HEAD
組合式大徑粗搪刀	LARGE DIAMETER MODULAR FINISH BORING HEAD
大孔徑微調精搪刀	MODULAR EXTERNAL FINISH BORING HEAD
組合式外圓微調精搪刀	SQUARE SHANK LARGE HOLE BORING HEAD
四方柄大徑搪刀	SMALL DIAMETER FINISH BORING HEAD
小徑微調精搪刀	STRAIGH SHANK BORING BAR
直柄搪刀桿	SMALL DIAMETER BORING BAR
專用加長連接桿	EXTENSION ADAPTERS
搪刀桿專用套筒	COLLET FOR BORING HEAD

PROFESSIONAL ACCESSORIES SYSTEM

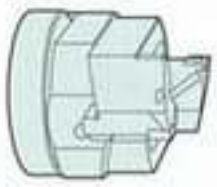


MODULAR BORING SYSTEMS
搪刀搭配系統


搪刀刀桿
Taper Shank


200以上CBH組合式大徑微調精搪刀
Large Diameter Finish Boring Head

200以上RBH-LA組合式大徑粗搪刀
Large Diameter Rough Boring Head


RBH120,160可調式雙刃粗搪刀
RBH Indexable Rough Boring Head


200以上RBH可調式大徑雙刃粗搪刀
RBH Indexable Rough Boring Head


連接盤
Flange

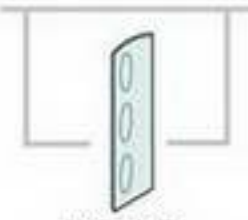

橫向滑板
Extension Slide


平衡滑塊
Balance Weight


微調滑塊
Finish Head


外圍滑塊
Clamp Base

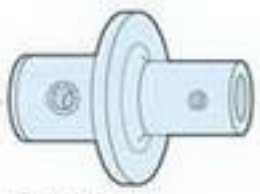

滑　塊
Clamp Base

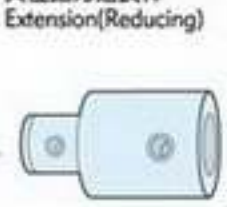

刀片座墊片
Height Setting Shim


刀片座
Insert Holder

BST系列
BST Boring System

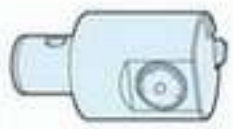
LBK系列
LBK Boring System

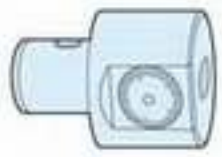

異徑搪刀延長桿
Extension(Reducing)

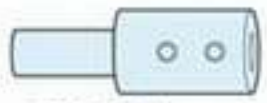

等徑搪刀延長桿
Extension(Constant Diameter)


新型RBH LA可調式雙刃粗搪刀系列
Indexable Rough Boring Head New Style RBH-LA

RBH可調式雙刃粗搪刀系列
Indexable Rough Boring Head RBH


CBH微調精搪刀系列
CBH Finish Boring Head


CBI小徑微調精搪刀系列
CBH Small Diameter
Finish Boring Head


小徑搪刀延長桿

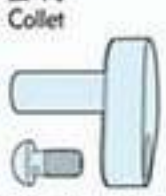

超小徑碳化鎢搪孔刀


小徑搪刀桿
Small Diameter Boring Bar

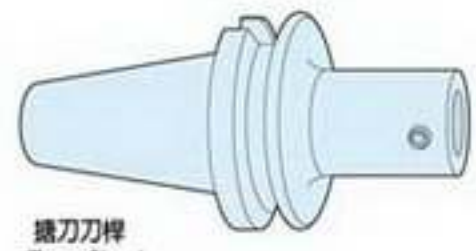

套 筒
Collet


組合式小徑搪刀桿
Tool Holder

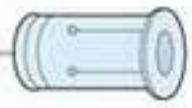

搪孔頭
Insert Holder


組合式外圍搪孔組件
Modular Assemblies
for External Boring


專用加長連接桿
Extension Adapters


搪刀刀桿
Taper Shank


直筒式立銑刀夾頭
Power Chuck Holder


搪刀桿專用套筒
Collet


超硬整體碳化鎢製搪刀桿
Super Hard Solid Tungsten
Carbide Boring Bar


直柄搪刀桿 Straigh Shank Boring Bar

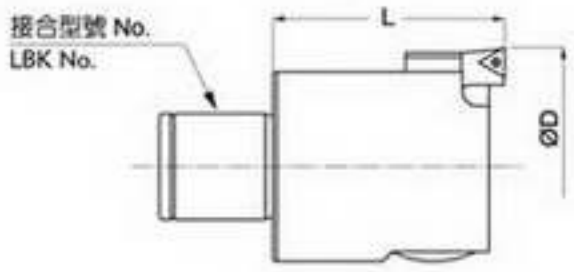
CBH FINISH BORING HEAD – Boring Range from Ø20 - Ø202mm
CBH 微調精搪刀系列

Feature

- CBH finish boring head is suitable for finish boring with working ranges from Ø20mm to Ø202mm on diameter.
- The dial has been graduated into 50 divisions, each of which is 0.01mm on diameter. Available is a sub-dial for finer adjustment.
- High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.
- Coolant nozzle easily cools the insert elongating its working life.
- Cartridge unit is housed in a square structure with two face support, proving high stability and rigidity.
- CBH精搪刀適用於精切削搪孔，工作範圍Ø20~Ø202mm均可搭配選用。
- 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。
- 精密導程螺絲位於內部，不受切屑、磨耗、生鏽等影響，具有內部潤滑，精準耐用。
- 內藏式水孔，刀尖直接冷卻，刀片壽命長。
- 調整伸縮部為方型結構，雙支撐面固定，所以切削穩固且剛性大。

專利號碼 Patents

(中國) China	ZL 03 2 76491.X ZL 03 2 08876.0
(台灣) Taiwan	Patent No.217175 Patent No.221678





搪頭型號 Boring Head Type	接合型號 LBK No.	搪孔範圍ØD(mm) Boring Range	搪頭長度 Length (mm)	重 量 Weight (kg)	刀片規格 / 螺絲 / 刀片扳手 Insert/Clamping Screw/Wrench
CBH20	LBK1	20-26	35	0.1	TB06/M2/T6 TP08/M2.2/T7 TC09/M2.2/T7
CBH25	LBK2	25-33	40	0.2	
CBH32	LBK3	32-42	40	0.3	
CBH40	LBK4	40-55	50	0.5	
CBH52	LBK5	52-75	60	1	TP08/M2.2/T7 TP09/M2.5/T8 TC11/M2.5/T8
CBH68	LBK6	68-102	70	2	
CBH100	LBK6	100-152	70	2.9	
CBH150	LBK6	150-202	70	4.2	
CBH100B	BST	100-152	95	3.7	
CBH150B	BST	150-202	95	4.9	

CBH FINISH BORING HEAD+LBK SHANK (MAS 403BT)
CBH 微調精搪刀+LBK刀柄

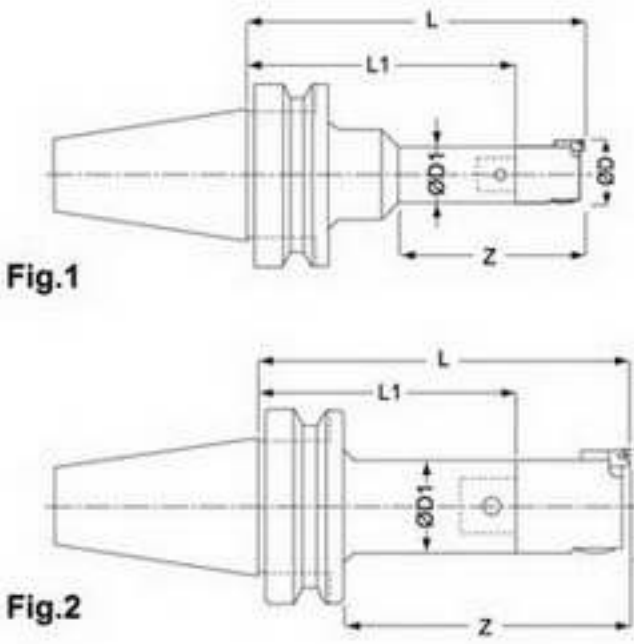


Fig.1

Fig.2



型 號 Model No.	樣式 Fig.	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重 量 KG
				LBK刀桿LBK shank	CBH刀頭CBH boring head					
BT30-CBH20-105	2	20-26	75	BT30-LBK1-70	CBH20	1	105	70	19	0.6
BT30-CBH25-120		25-33	90	BT30-LBK2-80	CBH25	2	120	80	24	0.8
BT30-CBH32-120		32-42		BT30-LBK3-80	CBH32	3			31	1.0
BT30-CBH40-120		40-55		BT30-LBK4-70	CBH40	4		70	39	1.3
BT30-CBH52-120		52-75		BT30-LBK5-60	CBH52	5		60	50	1.8
BT30-CBH68-130		68-102	100	BT30-LBK6-60	CBH68	6	130		64	3.0
BT40-CBH20-110	2	20-26	75	BT40-LBK1-75	CBH20	1	110	75	19	1.1
BT40-CBH20-140			105	BT40-LBK1-105			140	105		1.3
BT40-CBH25-125		25-33	90	BT40-LBK2-85	CBH25	2	125	85	24	1.3
BT40-CBH25-155			120	BT40-LBK2-115			155	115		1.6
BT40-CBH32-135		32-42	100	BT40-LBK3-95	CBH32	3	135	95	31	1.5
BT40-CBH32-165			130	BT40-LBK3-125			165	125		1.8
BT40-CBH32-195			160	BT40-LBK3-155			195	155		2.0
BT40-CBH40-135		40-55	100	BT40-LBK4-85	CBH40	4	135	85	39	1.8
BT40-CBH40-180			145	BT40-LBK4-130			180	130		2.4
BT40-CBH40-225			190	BT40-LBK4-175			225	175		2.7
BT40-CBH52-135		52-75	100	BT40-LBK5-75	CBH52	5	135	75	50	2.3
BT40-CBH52-185			150	BT40-LBK5-125			185	125		3.3
BT40-CBH52-235			200	BT40-LBK5-175			235	175		4.0
BT40-CBH68-135		68-102	100	BT40-LBK6-65	CBH68	6	135	65	64	3.3
BT40-CBH68-185			150	BT40-LBK6-115			185	115		4.7
BT40-CBH68-235			200	BT40-LBK6-165			235	165		5.9
BT40-CBH100-135		100-152	100	BT40-LBK6-65	CBH100		135	65		4.2
BT40-CBH100-185			150	BT40-LBK6-115			185	115		5.6
BT40-CBH100-235			200	BT40-LBK6-165			235	165		6.8
BT40-CBH150-135		150-202	100	BT40-LBK6-65	CBH150		135	65		5.5
BT40-CBH150-185			150	BT40-LBK6-115			185	115		6.9
BT40-CBH150-235			200	BT40-LBK6-165			235	165		8.1
BT50-CBH20-150	1	20-26	75	BT50-LBK1-115	CBH20	1	150	115	31/19	4.1
BT50-CBH20-180			105	BT50-LBK1-145			180	145		4.2
BT50-CBH25-150	2	25-33	105	BT50-LBK2-110	CBH25	2	150	110	24	4.1
BT50-CBH25-180			135	BT50-LBK2-140			180	140		4.2
BT50-CBH32-165		32-42	120	BT50-LBK3-125	CBH32	3	165	125	31	4.4
BT50-CBH32-195			150	BT50-LBK3-155			195	155		4.5
BT50-CBH40-165		40-55	120	BT50-LBK4-115	CBH40	4	165	115	39	4.8
BT50-CBH40-195			150	BT50-LBK4-145			195	145		4.9
BT50-CBH40-225			180	BT50-LBK4-175			225	175		5.3
BT50-CBH40-255			210	BT50-LBK4-205			225	205		5.4
BT50-CBH52-165		52-75	120	BT50-LBK5-105	CBH52	5	165	105	50	5.5
BT50-CBH52-240			195	BT50-LBK5-180			240	180		6.5
BT50-CBH52-300			255	BT50-LBK5-240			300	240		7.2
BT50-CBH52-360	1		255	BT50-LBK5-300			360	300	64/50	8.6
BT50-CBH68-165	2	68-102	120	BT50-LBK6-95	CBH68	6	165	95	64	6.5
BT50-CBH68-240			195	BT50-LBK6-170			240	170		8.3
BT50-CBH68-300			255	BT50-LBK6-230			300	230		9.6
BT50-CBH68-360			315	BT50-LBK6-290			360	290		11.0
BT50-CBH68-420	1		375	BT50-LBK6-350			420	350	90/64	15.5
IBT50-CBH68-420	2		375	IBT50-LBK6-350			420	350	64	13.2
BT50-CBH100-165	2	100-152	120	BT50-LBK6-95	CBH100		165	95	64	7.4
BT50-CBH100-240			195	BT50-LBK6-170			240	170		9.2
BT50-CBH100-300			255	BT50-LBK6-230			300	230		10.5
BT50-CBH100-360			315	BT50-LBK6-290			360	290		11.9
BT50-CBH100-420	1		375	BT50-LBK6-350			420	350	90/64	16.4
IBT50-CBH100-420	2		375	IBT50-LBK6-350			420	350	64	14.1
BT50-CBH100B-195	2	100-152	150	BT50-BST-100	CBH100B	BST	195	100	95	8.8
BT50-CBH100B-245			200	BT50-BST-150			245	150		10.5
BT50-CBH100B-295			250	BT50-BST-200			295	200		13.3
BT50-CBH100B-345			300	BT50-BST-250			345	250		15.2
BT50-CBH100B-395			350	BT50-BST-300			395	300		18.1
BT50-CBH100B-445			400	BT50-BST-350			445	350		20.5
BT50-CBH100B-495			450	BT50-BST-400			495	400		23.0
BT50-CBH150-165	2	150-202	120	BT50-LBK6-95	CBH150	6	165	95	64	8.7
BT50-CBH150-240			195	BT50-LBK6-170			240	170		10.5
BT50-CBH150-300			255	BT50-LBK6-230			300	230		11.8
BT50-CBH150-360			315	BT50-LBK6-290			360	290		13.2
BT50-CBH150-420	1		375	BT50-LBK6-350			420	350	90/64	17.7
IBT50-CBH150-420	2		375	IBT50-LBK6-350			420	350	64	15.4
BT50-CBH150B-195	2	150-202	150	BT50-BST-100	CBH150B	BST	195	100	95	10.0
BT50-CBH150B-245			200	BT50-BST-150			245	150		11.7
BT50-CBH150B-295			250	BT50-BST-200			295	200		14.5
BT50-CBH150B-345			300	BT50-BST-250			345	250		16.4
BT50-CBH150B-395			350	BT50-BST-300			395	300		19.3
BT50-CBH150B-445			400	BT50-BST-350			445	350		21.7
BT50-CBH150B-495			450	BT50-BST-400			495	400		24.2

★IBT是專為抑制搪孔共振而改良之專用刀桿 ★IBT is the improved type dedicated to eliminating resonance in boring.

MBH FINISH BORING HEAD - Boring Range from Ø16 - Ø200mm
MBH 微調精搪刀系列

Feature

- MBH Finish Boring Head is suitable for fine boring with working range from Ø16 to Ø200mm on diameter.
- Every division for adjustment is 0.01mm on diameter.
- High precision lead screw and nut have been heat treated and hardened with high durability.
- Built-in coolant nozzle easy for chip removal and work cooling.
- Insert holder is with two-face support, free of vibration, which will also extend the working life of insert and ensure smoothness of working surface.

- MBH精搪刀適用於精切削搪孔，工作範圍Ø16~Ø200mm均可搭配選用。
- 調整刻度每格調整尺寸為直徑0.01mm。
- 精密導程螺絲與螺帽均經硬化處理，堅固耐用。
- 內藏式水孔，易於排屑與冷卻。
- 刀片座為兩面固定無振動產生，可增加刀片壽命與加工面光滑度。



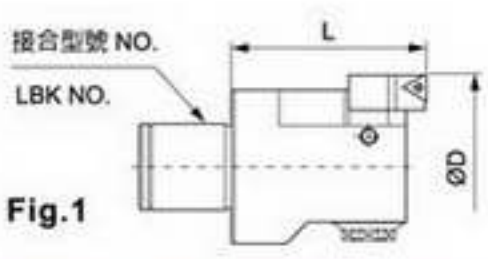


Fig.1

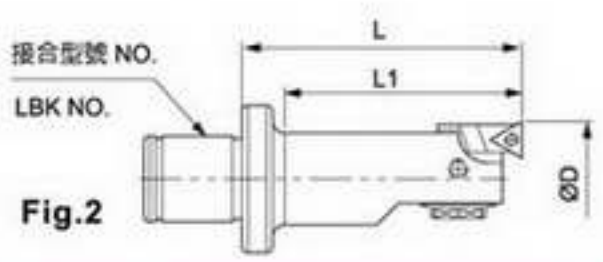


Fig.2

搪頭型號 Boring Head Type	樣式 Fig	接合型號 LBK No.	搪孔範圍 ØDmm Boring Range		搪頭長度 L Length mm	有效長 L1 mm	刀片規格 / 螺絲/刀片扳手 Insert/Clamping Screw/Wrench	重 量 kg Weight
MBH16A	2	LBK2	16 - 20		55	50	WCGT02 / M2 / T6	0.09
MBH16B	2	LBK2	16 - 20		80	75	WCGT02 / M2 / T6	0.12
MBH20	1	LBK1	20-26		35	35	WCGT02 / M2 / T6	0.07
MBH25	1	LBK2	25-32		40	40	WCGT02 / M2 / T6	0.12
MBH32	1	LBK3	32-42		40	40	TP09 / M2.5 / T8; TC09 / M2.2 / T7	0.23
MBH40	1	LBK4	40-55		50	50	TP11/M3/T9/TC11/M2.5/T8	0.43
MBH52	1	LBK5	52-70		60	60	TP11/M3/T9/TC11/M2.5/T8	0.9
MBH68	1	LBK6	A	68-88	75	75	TP11/M3/T9/TC11/M2.5/T8	1.86
			B	85-105				
MBH100	1	BST	A	100-140	105	105	TP11/M3/T9/TC11/M2.5/T8	4.08
			B	120-160				
MBH140	1	BST	A	140-180	105	105	TP11/M3/T9/TC11/M2.5/T8	5.45
			B	160-200				

※MBH68, MBH100, MBH140各有A,B兩款刀片座，由使用者自行更換，以達到最大搪孔範圍。
※Each of MBH68, MBH100 or MBH140 is with both A and B insert-holders for exchange on demand to obtain the maximum boring range.

MBH FINISH BORING HEAD+LBK SHANK (MAS 403BT)
MBH 微調精搪刀系列+LBK刀柄

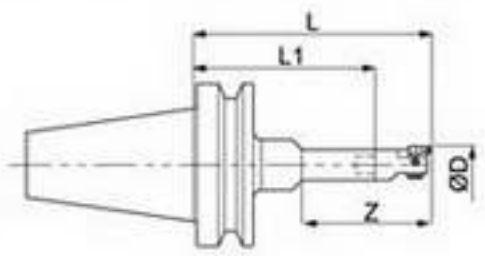


Fig.1

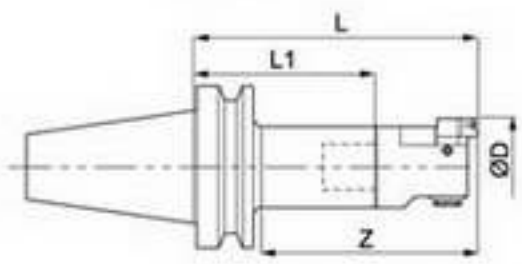


Fig.2

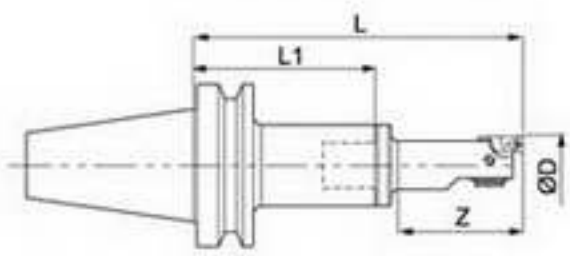


Fig.3



型 號 Type	樣式 Fig.	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重 量 KG
				LBK刀桿 LBK shank	MBH刀頭 MBH boring head					
BT30-MBH16A-135	3	16-20	50	BT30-LBK2-80	MBH16A	2	135	80	24	0.69
BT30-MBH16B-160			75		MBH16B		160			0.72
BT30-MBH20-105	2	20-26	75	BT30-LBK1-70	MBH20	1	105	70	19	0.57
BT30-MBH25-120		25-32	90	BT30-LBK2-80	MBH25	2	120	80	24	0.72
BT30-MBH32-120		32-42		BT30-LBK3-80	MBH32	3	120		31	0.93
BT30-MBH40-120		40-55		BT30-LBK4-70	MBH40	4	120	70	39	1.23
BT30-MBH52-120		52-70		BT30-LBK5-60	MBH52	5	120	60	50	1.7
BT30-MBH68-135		68-105	105	BT30-LBK6-60	MBH68	6	135		64	2.86
BT40-MBH16A-140	3	16-20	50	BT40-LBK2-85	MBH16A	2	140	85	24	1.19
BT40-MBH16B-165			75		MBH16B		165			1.22
BT40-MBH20-110	2	20-26	75	BT40-LBK1-75	MBH20	1	110	75	19	1.07
BT40-MBH20-140			105	BT40-LBK1-105			140	105		1.27
BT40-MBH25-125		25-32	90	BT40-LBK2-85	MBH25	2	125	85	24	1.22
BT40-MBH25-155			120	BT40-LBK2-115			155	115		1.52
BT40-MBH32-135		32-42	100	BT40-LBK3-95	MBH32	3	135	95	31	1.43
BT40-MBH32-165			130	BT40-LBK3-125			165	125		1.73
BT40-MBH32-195			160	BT40-LBK3-155			195	155		1.93
BT40-MBH40-135		40-55	100	BT40-LBK4-85	MBH40	4	135	85	39	1.73
BT40-MBH40-180			145	BT40-LBK4-130			180	130		2.33
BT40-MBH40-225			190	BT40-LBK4-175			225	175		2.63
BT40-MBH52-135		52-70	100	BT40-LBK5-75	MBH52	5	135	75	50	2.2
BT40-MBH52-185			150	BT40-LBK5-125			185	125		3.2
BT40-MBH52-235			200	BT40-LBK5-175			235	175		3.9
BT40-MBH68-140		68-105	105	BT40-LBK6-65	MBH68	6	140	65	64	3.16
BT40-MBH68-190			155	BT40-LBK6-115			190	115		4.56
BT40-MBH68-240			205	BT40-LBK6-165			240	165		5.76
BT40-MBH100-175		100-160	140	BT40-BST-70	MBH100	BST	175	70	95	7.28
BT40-MBH140-175		140-200			MBH140					8.65
BT50-MBH16A-165	3	16-20	50	BT50-LBK2-110	MBH16A	2	165	110	24	3.99
BT50-MBH16B-190			75		MBH16B		190			4.02
BT50-MBH20-150	1	20-26	75	BT50-LBK1-115	MBH20	1	150	115	31/19	4.07
BT50-MBH20-180			105	BT50-LBK1-145			180	145		4.17
BT50-MBH25-150	2	25-32	105	BT50-LBK2-110	MBH25	2	150	110	24	4.02
BT50-MBH25-180			135	BT50-LBK2-140			180	140		4.12
BT50-MBH32-165		32-42	120	BT50-LBK3-125	MBH32	3	165	125	31	4.33
BT50-MBH32-195			150	BT50-LBK3-155			195	155		4.43
BT50-MBH40-165		40-55	120	BT50-LBK4-115	MBH40	4	165	115	39	4.73
BT50-MBH40-195			150	BT50-LBK4-145			195	145		4.83
BT50-MBH40-225			180	BT50-LBK4-175			225	175		5.23
BT50-MBH40-255			210	BT50-LBK4-205			255	205		5.33
BT50-MBH52-165		52-70	120	BT50-LBK5-105	MBH52	5	165	105	50	5.4
BT50-MBH52-240			195	BT50-LBK5-180			240	180		6.4
BT50-MBH52-300			255	BT50-LBK5-240			300	240		7.1
BT50-MBH52-360	1		255	BT50-LBK5-300			360	300	64/50	8.5
BT50-MBH68-170	2	68-105	125	BT50-LBK6-95	MBH68	6	170	95	64	6.36
BT50-MBH68-245			200	BT50-LBK6-170			245	170		8.16
BT50-MBH68-305			260	BT50-LBK6-230			305	230		9.46
BT50-MBH68-365			320	BT50-LBK6-290			365	290		10.86
BT50-MBH68-425	1		380	BT50-LBK6-350			425	350	90/64	15.36
BT50-MBH100-205	2	100-160	160	BT50-BST-100	MBH100	BST	205	100	95	9.18
BT50-MBH100-255			210	BT50-BST-150			255	150		10.88
BT50-MBH100-305			260	BT50-BST-200			305	200		13.68
BT50-MBH100-355			310	BT50-BST-250			355	250		15.58
BT50-MBH100-405			360	BT50-BST-300			405	300		17.58
BT50-MBH100-455			410	BT50-BST-350			455	350		20.16
BT50-MBH100-505			460	BT50-BST-400			505	400		23.32
BT50-MBH140-205		140-200	160	BT50-BST-100	MBH140		205	100		10.55
BT50-MBH140-255			210	BT50-BST-150			255	150		12.25
BT50-MBH140-305			260	BT50-BST-200			305	200		15.05
BT50-MBH140-355			310	BT50-BST-250			355	250		16.95
BT50-MBH140-405			360	BT50-BST-300			405	300		18.95
BT50-MBH140-455			410	BT50-BST-350			455	350		21.53
BT50-MBH140-505			460	BT50-BST-400			505	400		24.69

INDEXABLE TWIN-BIT ROUGH BORING HEAD RBH-LA

Boring Range from Ø25 - Ø204mm

新型RBH-LA可調式雙刃粗搪刀系列

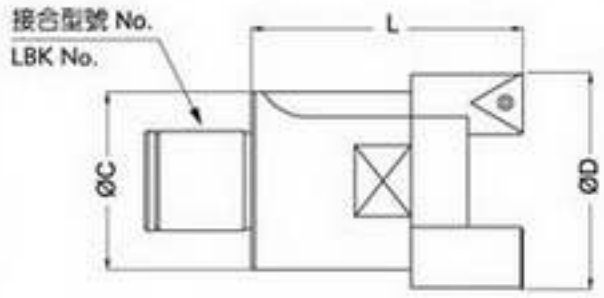


Feature

- Thickened cartridge with higher rigidity.
- Coolant nozzle easily cools the insert elongating its working life.
- Completed with chip pocket, improving chip flow of deep boring.
- Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
- Patented step boring design; suitable for both level boring and step boring.

- 刀片支持座厚度增加，剛性增強。
- 內藏式水孔，直接冷卻，刀片壽命長。
- 排屑槽設計，增加深孔排屑功能。
- 連接壓板使刀頭與刀座一體，增加切削剛性。
- 獨特高低段差設計，平刃或高低刃均可採用。

專利號碼 Patents	
(中國) China	ZL 02 2 08906.3 ZL 01 2 32355.1
(台灣) Taiwan	Patent No.188042 Patent No.180593



	搪頭型號 Boring Head Type	接合型號 LBK No.	搪孔範圍 D Boring Range	L (mm)	ØC (mm)	刀片規格 Insert	重量 Weight (kg)
	RBH25-35LA-C	LBK2	25~35	50	24	CCMT060204	0.15
	RBH32-45LA-C	LBK3	32~45	60	31	CCMT060204	0.3
	RBH32-45LA-T	LBK3	32~45	60	31	TCMT110204	0.3
	RBH40-55LA-C	LBK4	40~55	74	39	CCMT09T304	0.6
	RBH40-55LA-T	LBK4	40~55	74	39	TCMT16T304	0.6
	RBH40-55LA-S	LBK4	40~55	74	39	SCMT09T304	0.6
	RBH52-75LA-C	LBK5	52~75	80	50	CCMT09T304	1
	RBH52-75LA-T	LBK5	52~75	80	50	TCMT16T304	1
	RBH52-75LA-S	LBK5	52~75	80	50	SCMT09T304	1
	RBH68-100LA-C	LBK6	68~100	90	66	CCMT120408	2.5
	RBH68-100LA-T	LBK6	68~100	90	66	TCMT16T304	2.5
	RBH68-100LA-S	LBK6	68~100	90	66	SCMT120404	2.5
	RBH90-130LA-C	LBK6	90~130	100	88	CCMT120408	3.1
	RBH90-130LA-T	LBK6	90~130	100	88	TCMT16T304	3.1
	RBH90-130LA-S	LBK6	90~130	100	88	SCMT120404	3.1
	RBH120-164LA-C	BST Series	120~164	95	100	CCMT120408	4.3
	RBH120-164LA-T	BST Series	120~164	95	100	TCMT220408	4.3
	RBH120-164LA-S	BST Series	120~164	95	100	SCMT120404	4.3
	RBH160-204LA-C	BST Series	160~204	95	130	CCMT120408	5.3
	RBH160-204LA-T	BST Series	160~204	95	130	TCMT220408	5.3
	RBH160-204LA-S	BST Series	160~204	95	130	SCMT120404	5.3

★RBH120LA,160LA與RBH120,160為相同產品　★RBH120LA and RBH160LA are the same as RBH120 and RBH160 individually.

RBH-LA INDEXABLE TWIN-BIT ROUGH BORING HEAD+LBK SHANK (MAS 403BT)

新型RBH-LA雙刃粗搪刀+LBK刀柄

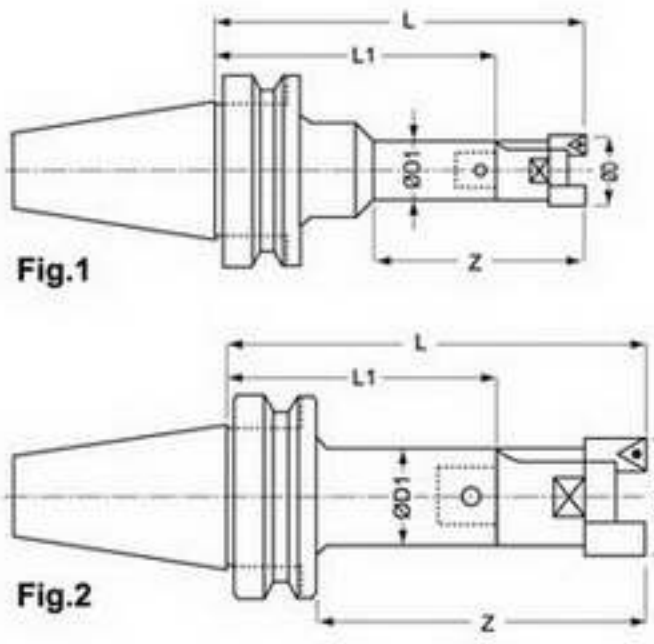


Fig.1

Fig.2



型 號 Model No.	樣式 Fig.	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 LBK No.	全 長 L	刀桿長 L1	刀桿外徑 ØD1	重 量 KG
				LBK刀桿LBK shank	RBH刀頭RBH boring head					
BT30-RBH25LA-130	2	25-35	100	BT30-LBK2-80	RBH25LA	2	130	80	24	0.8
BT30-RBH32LA-140		32-45	110	BT30-LBK3-80	RBH32LA	3	140		31	1.0
BT30-RBH40LA-140		40-55		BT30-LBK4-70	RBH40LA	4		70	39	1.4
BT30-RBH52LA-140		52-75		BT30-LBK5-60	RBH52LA	5		60	50	1.8
BT30-RBH68LA-150		68-100	120	BT30-LBK6-60	RBH68LA	6	150		64	3.5
BT30-RBH90LA-160		90-130	130		RBH90LA		160			4.1
BT40-RBH25LA-135	2	25-35	100	BT40-LBK2-85	RBH25LA	2	135	85	24	1.3
BT40-RBH25LA-165			130	BT40-LBK2-115			165	115		1.6
BT40-RBH32LA-155		32-45	120	BT40-LBK3-95	RBH32LA	3	155	95	31	1.5
BT40-RBH32LA-185			150	BT40-LBK3-125			185	125		1.8
BT40-RBH32LA-215			180	BT40-LBK3-155			215	155		2.0
BT40-RBH40LA-155		40-55	120	BT40-LBK4-85	RBH40LA	4	155	85	39	1.9
BT40-RBH40LA-200			165	BT40-LBK4-130			200	130		2.5
BT40-RBH40LA-245			210	BT40-LBK4-175			245	175		2.8
BT40-RBH52LA-155		52-75	120	BT40-LBK5-75	RBH52LA	5	155	75	50	2.3
BT40-RBH52LA-205			170	BT40-LBK5-125			205	125		3.3
BT40-RBH52LA-255			220	BT40-LBK5-175			255	175		4.0
BT40-RBH68LA-155		68-100	120	BT40-LBK6-65	RBH68LA	6	155	65	64	3.8
BT40-RBH68LA-205			170	BT40-LBK6-115			205	115		5.2
BT40-RBH68LA-255			220	BT40-LBK6-165			255	165		6.4
BT40-RBH90LA-165		90-130	130	BT40-LBK6-65	RBH90LA		165	65		4.4
BT40-RBH90LA-215			180	BT40-LBK6-115			215	115		5.8
BT40-RBH90LA-265			230	BT40-LBK6-165			265	165		7.0
BT40-RBH120LA-165		120-164	130	BT40-BST-70	RBH120LA	BST	165	70	95	7.0
BT40-RBH160LA-165		160-204			RBH160LA					8.0
BT50-RBH25LA-160	2	25-35	110	BT50-LBK2-110	RBH25LA	2	160	110	24	4.1
BT50-RBH25LA-190			140	BT50-LBK2-140			190	140		4.2
BT50-RBH32LA-185		32-45	135	BT50-LBK3-125	RBH32LA	3	185	125	31	4.4
BT50-RBH32LA-215			165	BT50-LBK3-155			215	155		4.5
BT50-RBH40LA-185	2	40-55	135	BT50-LBK4-115	RBH40LA	4	185	115	39	4.9
BT50-RBH40LA-215			165	BT50-LBK4-145			215	145		5.0
BT50-RBH40LA-245			195	BT50-LBK4-175			245	175		5.4
BT50-RBH40LA-275			225	BT50-LBK4-205			275	205		5.5
BT50-RBH52LA-185	2	52-75	135	BT50-LBK5-105	RBH52LA	5	185	105	50	5.5
BT50-RBH52LA-260			210	BT50-LBK5-180			260	180		6.5
BT50-RBH52LA-320			270	BT50-LBK5-240			320	240		7.2
BT50-RBH52LA-380	1		270	BT50-LBK5-300			380	300	64/50	8.6
BT50-RBH68LA-185	2	68-100	135	BT50-LBK6-95	RBH68LA	6	185	95	64	7.0
BT50-RBH68LA-260			210	BT50-LBK6-170			260	170		8.8
BT50-RBH68LA-320			270	BT50-LBK6-230			320	230		10.1
BT50-RBH68LA-380			330	BT50-LBK6-290			380	290		11.5
BT50-RBH68LA-440	1		390	BT50-LBK6-350			440	350	90/64	16.0
IBT50-RBH68LA-440	2			IBT50-LBK6-350					64	13.7
BT50-RBH90LA-195	2	90-130	145	BT50-LBK6-95	RBH90LA		195	95	64	7.6
BT50-RBH90LA-270			220	BT50-LBK6-170			270	170		9.4
BT50-RBH90LA-330			280	BT50-LBK6-230			330	230		10.7
BT50-RBH90LA-390			340	BT50-LBK6-290			390	290		12.1
BT50-RBH90LA-450	1		400	BT50-LBK6-350			450	350	90/64	16.6
IBT50-RBH90LA-450	2			IBT50-LBK6-350					64	14.3
BT50-RBH120LA-195	2	120-164	150	BT50-BST-100	RBH120LA	BST	195	100	95	8.9
BT50-RBH120LA-245			200	BT50-BST-150			245	150		10.6
BT50-RBH120LA-295			250	BT50-BST-200			295	200		13.3
BT50-RBH120LA-345			300	BT50-BST-250			345	250		15.3
BT50-RBH120LA-395			350	BT50-BST-300			395	300		18.7
BT50-RBH120LA-445			400	BT50-BST-350			445	350		21.1
BT50-RBH120LA-495			450	BT50-BST-400			495	400		23.6
BT50-RBH160LA-195	2	160-204	150	BT50-BST-100	RBH160LA		195	100		9.9
BT50-RBH160LA-245			200	BT50-BST-150			245	150		11.6
BT50-RBH160LA-295			250	BT50-BST-200			295	200		14.3
BT50-RBH160LA-345			300	BT50-BST-250			345	250		16.3
BT50-RBH160LA-395			350	BT50-BST-300			395	300		19.7
BT50-RBH160LA-445			400	BT50-BST-350			445	350		22.1
BT50-RBH160LA-495			450	BT50-BST-400			495	400		24.6

★IBT是專為抑制搪孔共振而改良之專用刀桿 ★IBT is the improved type dedicated to eliminating resonance in boring

RBH INDEXABLE TWIN-BIT ROUGH BORING HEAD -
Boring Range from Ø200 - Ø500mm
Ø200以上RBH可調式大徑雙刃粗搪刀系列

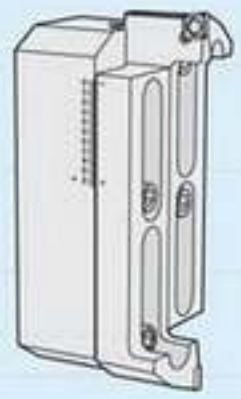
Feature

- The head is suitable for single bit boring, twin-bit boring and step boring with working diameter from Ø200mm to Ø500mm on diameter.
- 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 mills. 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 Ø200mm feature directmodule, simple structure and high rigidity with adjustment range 100mm on diameter.

- 適用單刃搪孔，雙刃搪孔及高低階搪孔。搪孔範圍Ø200~Ø500mm。
- 新型刀刃滑座設計，刀背補強。加工時，滑座承受的兩個作用力相互抵消，產生最大剛性和切削力。適合各形態的搪孔作業。
- 可依照各種不同加工需求，輕易調整搪刀，做少量多樣的加工。備有多種長度刀桿可加工至所需深度。
- 清晰的側邊刻度，協助使用者輕易調整到所需的範圍，無須在刀具設定儀上預設。
- 最適合在各型切削中心機或搪床上配合使用，並可搭配各種廠牌相同規格的指定刀片，節省刀具研磨時間並大幅增加搪孔效率。
- 專利高低段差設計，平刃或高低刃均可採用。
- 直徑 Ø200mm以上大孔徑搪刀，使用直接組件，結構簡單剛性強，調整範圍為直徑100mm 。

Boring diameter
Ø200~500
mm



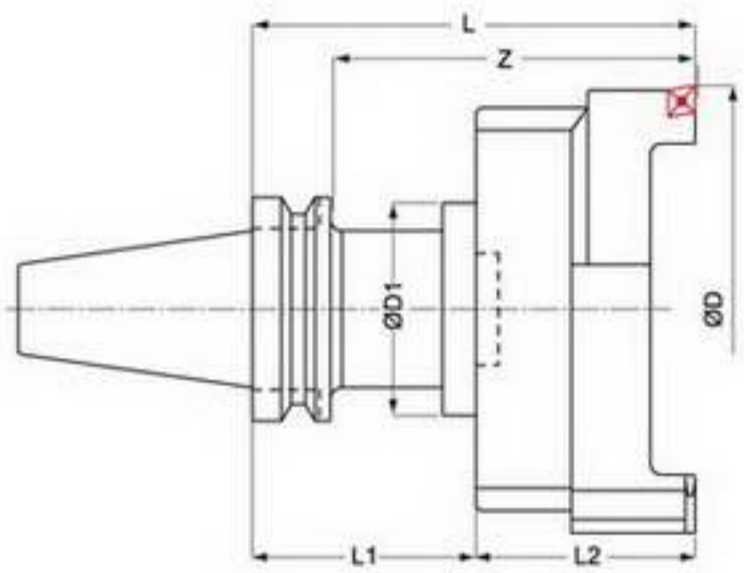


搪頭型號 Boring Head Type	接合型號 BST No.	搪孔範圍 D Boring Range	搪頭長度 L2 (mm)	刀片規格 Insert	重量 Weight (kg)
RBH200-300-C	BST Series	200~300	95	CCMT120408	7.0
RBH200-300-T	BST Series	200~300	95	TCMT220408	7.0
RBH200-300-S	BST Series	200~300	95	SCMT120404	7.0
RBH300-400-C	BST Series	300~400	95	CCMT120408	10.7
RBH300-400-T	BST Series	300~400	95	TCMT220408	10.7
RBH300-400-S	BST Series	300~400	95	SCMT120404	10.7
RBH400-500-C	BST Series	400~500	95	CCMT120408	14.0
RBH400-500-T	BST Series	400~500	95	TCMT220408	14.0
RBH400-500-S	BST Series	400~500	95	SCMT120404	14.0

RBH INDEXABLE TWIN-BIT ROUGH BORING HEAD FOR LARGE HOLE BORING+BST SHANK (MAS 403 BT)

Ø200以上RBH可調式大徑雙刃粗搪刀+BST刀柄





型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重 量 KG
			BST刀桿 BST shank	RBH刀頭 RBH boring head					
BT50-RBH200-195	200-300	150	BT50-BST-100	RBH200	BST	195	100	95	12.1
BT50-RBH200-245	200-300	200	BT50-BST-150	RBH200	BST	245	150	95	13.8
BT50-RBH200-295	200-300	250	BT50-BST-200	RBH200	BST	295	200	95	16.6
BT50-RBH200-345	200-300	300	BT50-BST-250	RBH200	BST	345	250	95	18.5
BT50-RBH200-395	200-300	350	BT50-BST-300	RBH200	BST	395	300	95	21.4
BT50-RBH200-445	200-300	400	BT50-BST-350	RBH200	BST	445	350	95	23.8
BT50-RBH200-495	200-300	450	BT50-BST-400	RBH200	BST	495	400	95	26.3
BT50-RBH300-195	300-400	150	BT50-BST-100	RBH300	BST	195	100	95	15.8
BT50-RBH300-245	300-400	200	BT50-BST-150	RBH300	BST	245	150	95	17.5
BT50-RBH300-295	300-400	250	BT50-BST-200	RBH300	BST	295	200	95	20.3
BT50-RBH300-345	300-400	300	BT50-BST-250	RBH300	BST	345	250	95	22.2
BT50-RBH300-395	300-400	350	BT50-BST-300	RBH300	BST	395	300	95	25.1
BT50-RBH300-445	300-400	400	BT50-BST-350	RBH300	BST	445	350	95	27.5
BT50-RBH300-495	300-400	450	BT50-BST-400	RBH300	BST	495	400	95	30.0
BT50-RBH400-195	400-500	150	BT50-BST-100	RBH400	BST	195	100	95	19.1
BT50-RBH400-245	400-500	200	BT50-BST-150	RBH400	BST	245	150	95	20.8
BT50-RBH400-295	400-500	250	BT50-BST-200	RBH400	BST	295	200	95	23.6
BT50-RBH400-345	400-500	300	BT50-BST-250	RBH400	BST	345	250	95	25.5
BT50-RBH400-395	400-500	350	BT50-BST-300	RBH400	BST	395	300	95	28.4
BT50-RBH400-445	400-500	400	BT50-BST-350	RBH400	BST	445	350	95	30.8
BT50-RBH400-495	400-500	450	BT50-BST-400	RBH400	BST	495	400	95	33.3

※IBT是專為抑制搪孔共振而改良之專用刀桿 ※IBT is the improved type dedicated to eliminating resonance in boring.

RBH-LA LARGE DIAMETER MODULAR ROUGH BORING HEAD WITH DIAMETER OVER Ø200MM - Boring Range from Ø200 - Ø1250mm

Ø200以上RBH-LA組合式大徑粗搪刀系列

Feature

- This type is suitable for large diameter boring with ranges from Ø200 mm to Ø1250 mm.
- The structure includes common flange and extension slide for both rough and finish boring heads. Available can be optional accessories for different works. Adjustment range is within 110mm on diameter. The adjustment range for bother 600LA and 900LA is 300mm.
- Options of various inserts for rough boring of different materials and boring styles.
- Available is the horizontal slide made of Aluminum alloy to reduce total weight.
- 通用Ø200~Ø1250mm大型孔徑加工使用。
- 粗、精搪刀使用同基礎組件，且可另選配附件搭配使用。加工調整範圍為直徑110mm。600LA與900LA調整範圍為300mm。
- 粗搪刀，具有多種刀片選擇，可通用於多種材質及加工方式。
- 精搪刀另有鋁合金橫向滑板，可選用來降低刀具重量。



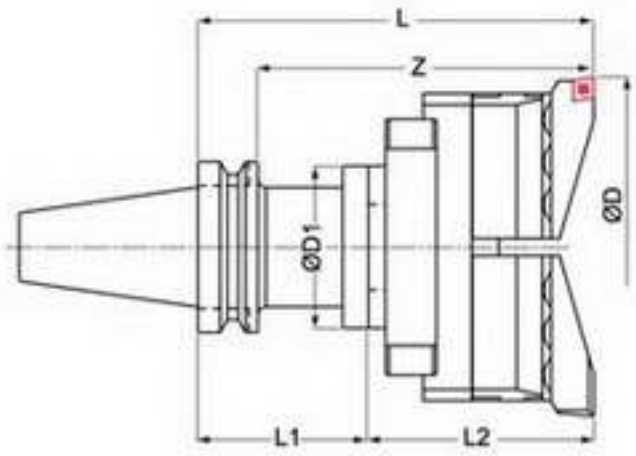
Boring Head Type 組型搪	型 號 Type		RBH 200LA	RBH 300LA	RBH 400LA	RBH 500LA	RBH 600LA	RBH 900LA
	長 度 Length(mm)		130	130	130	130	150	150
	整組重量(kg) Total Weight(kg)	合金鋼 Alloy Steel	9.5	11.5	13.5	15.5	33	47
		鋁合金 Aluminum Alloy	7.2	8.0	8.8	9.6	16.0	22.3
	加工直徑 ØD(mm) Boring Diameter		200-310	300-410	400-510	500-610	600-900	900-1250
組合型式 Module	接合刀桿 Taper Shank		BT50-BST / NT50-BST系列 BT50-BST / NT50-BST Series				BT50-FMA-47.625	
	連接盤 Flange		BR200				BR600	BR900
	重量 Weight (kg)	合金鋼 Alloy Steel	合金鋼 Alloy Steel 2.7 kg				19	29
		鋁合金 Alum. Alloy					8.8	13.5
	橫向滑板 Extension Slide		RST200	RST300	RST400	RST500	RST300x 2只(pieces)	RST400x 2只(pieces)
	重量 Weight (kg)	合金鋼 Alloy Steel	3.4	5.4	7.4	9.4	10.8	14.8
		鋁合金 Alum. Alloy	1.1	1.9	2.7	3.5	3.8	5.4
	滑 塊 Clamp Base		RS200					
	重 量(kg) Weight		0.98 kg					
	刀片座墊片 Height Setting Shim		RS201					
	重 量(kg) Weight		0.05 kg					
	刀 片 座 Insert Holder		RB200C12	RB200T16	RB200T22	RB200S12		
	適合刀片 Applicable Insert		CCMT120404	TCMT16T304	TCMT220404	SCMT120404		
	重 量(kg) Weight		0.68 kg					

RBH-LA INDEXABLE TWIN-BIT ROUGH BORING HEAD FOR LARGE HOLE BORING +BST SHANK (MAS 403 BT) - 《Boring Range from Ø200 - Ø1250mm》

Ø200以上RBH-LA組合式大徑雙刃粗搪刀+BST刀柄



搪頭型號 Boring Head Type	接合型號 BST No.	搪孔範圍ØD mm Boring Range	搪頭長度 L2 mm	刀片規格 Insert	重量Weight(kg) 合金鋼 Alloy Steel	鋁合金 Alum. Alloy
RBH200-310LA	BST Series	200~310	130	(選配刀片座) Optional Inserts CCMT120408 TCMT16T304 TCMT220408 SCMT120404	9.5	7.2
RBH300-410LA	BST Series	300~410	130		11.5	8.0
RBH400-510LA	BST Series	400~510	130		13.5	8.8
RBH500-610LA	BST Series	500~610	130		15.5	9.6
RBH600-900LA	FMA-47.625	600~900	150		33.0	16.0
RBH900-1250LA	FMA-47.625	900~1250	150		47.0	22.3



Boring diameter Ø200~1250 mm



型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection BST刀桿BST shank	RBH-LA刀頭 RBH-LA boring head	接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重量 KG 合金鋼 Alloy Steel	鋁合金 Alum. Alloy
BT50-RBH200LA-230	200-310	185	BT50-BST-100	RBH200LA	BST	230	100	95	14.6	12.3
BT50-RBH200LA-280	200-310	235	BT50-BST-150	RBH200LA	BST	280	150	95	16.3	14.0
BT50-RBH200LA-330	200-310	285	BT50-BST-200	RBH200LA	BST	330	200	95	19.0	16.7
BT50-RBH200LA-380	200-310	335	BT50-BST-250	RBH200LA	BST	380	250	95	21.0	18.7
BT50-RBH200LA-430	200-310	385	BT50-BST-300	RBH200LA	BST	430	300	95	23.9	21.6
BT50-RBH200LA-480	200-310	435	BT50-BST-350	RBH200LA	BST	480	350	95	26.3	24.0
BT50-RBH200LA-530	200-310	485	BT50-BST-400	RBH200LA	BST	530	400	95	28.8	26.5
BT50-RBH300LA-230	300-410	185	BT50-BST-100	RBH300LA	BST	230	100	95	16.6	13.1
BT50-RBH300LA-280	300-410	235	BT50-BST-150	RBH300LA	BST	280	150	95	18.3	14.8
BT50-RBH300LA-330	300-410	285	BT50-BST-200	RBH300LA	BST	330	200	95	21.0	17.5
BT50-RBH300LA-380	300-410	335	BT50-BST-250	RBH300LA	BST	380	250	95	23.0	19.5
BT50-RBH300LA-430	300-410	385	BT50-BST-300	RBH300LA	BST	430	300	95	25.9	22.4
BT50-RBH300LA-480	300-410	435	BT50-BST-350	RBH300LA	BST	480	350	95	28.3	24.8
BT50-RBH300LA-530	300-410	485	BT50-BST-400	RBH300LA	BST	530	400	95	30.8	27.3
BT50-RBH400LA-230	400-510	185	BT50-BST-100	RBH400LA	BST	230	100	95	18.6	13.9
BT50-RBH400LA-280	400-510	235	BT50-BST-150	RBH400LA	BST	280	150	95	20.3	15.6
BT50-RBH400LA-330	400-510	285	BT50-BST-200	RBH400LA	BST	330	200	95	23.0	18.3
BT50-RBH400LA-380	400-510	335	BT50-BST-250	RBH400LA	BST	380	250	95	25.0	20.3
BT50-RBH400LA-430	400-510	385	BT50-BST-300	RBH400LA	BST	430	300	95	27.9	23.2
BT50-RBH400LA-480	400-510	435	BT50-BST-350	RBH400LA	BST	480	350	95	30.3	25.6
BT50-RBH400LA-530	400-510	485	BT50-BST-400	RBH400LA	BST	530	400	95	32.8	28.1
BT50-RBH500LA-230	500-610	185	BT50-BST-100	RBH500LA	BST	230	100	95	20.6	14.7
BT50-RBH500LA-280	500-610	235	BT50-BST-150	RBH500LA	BST	280	150	95	22.3	16.4
BT50-RBH500LA-330	500-610	285	BT50-BST-200	RBH500LA	BST	330	200	95	25.0	19.1
BT50-RBH500LA-380	500-610	335	BT50-BST-250	RBH500LA	BST	380	250	95	27.0	21.1
BT50-RBH500LA-430	500-610	385	BT50-BST-300	RBH500LA	BST	430	300	95	29.9	24.0
BT50-RBH500LA-480	500-610	435	BT50-BST-350	RBH500LA	BST	480	350	95	33.3	26.4
BT50-RBH500LA-530	500-610	485	BT50-BST-400	RBH500LA	BST	530	400	95	34.8	28.9
BT50-RBH600LA-230	600-900	185	BT50-FMA47.625-75	RBH600LA	FMA47.625	230	75	128	40.0	23.0
BT50-RBH900LA-230	900-1250	185	BT50-FMA47.625-75	RBH900LA	FMA47.625	230	75	128	54.0	29.3

CBH LARGE DIAMETER MODULAR FINISH BORING HEAD WITH DIAMETER OVER Ø200MM - Boring Range from Ø200 - Ø1250mm

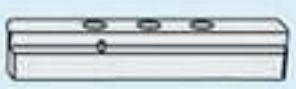
Ø200以上CBH組合式大徑微調精搪刀系列

Feature

- This type is suitable for large diameter boring with ranges from Ø200mm to Ø1250mm.
- The structure includes common flange and extension slide for both rough and finish boring heads. Available can be optional accessories for different works. Adjustment range is within 110mm on diameter. The adjustment range for bother CBH600 and CBH900LA is 300mm.
- Available is the horizontal slide made of Aluminum alloy to reduce total weight.

- 通用Ø200~Ø1250mm大型孔徑加工使用。
- 粗、精搪刀使用同基礎組件，且可另選配附件搭配使用。加工調整範圍為直徑110mm。CBH600與900調整範圍為300mm。
- 精搪刀另有鋁合金橫向滑板，可選用來降低刀具重量。



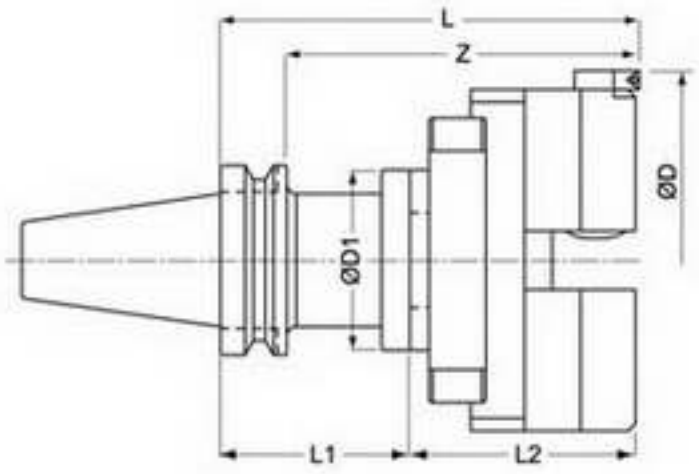
Boring Head Type 搪型頭	型 號 Type		CBH200	CBH300	CBH400	CBH500	CBH600	CBH900
	長 度 Length(mm)		130	130	130	130	150	150
	整組重量(kg) Total Weight(kg)	合金鋼 Alloy Steel	9.7	11.7	13.7	15.7	33	47
		鋁合金 Aluminum Alloy	7	7.8	8.6	9.4	15.8	22.1
	加工直徑 ØD(mm) Boring Diameter		200-310	300-410	400-510	500-610	600-900	900-1250
Module 組合型式	接合刀桿 Taper Shank		BT50-BST / NT50-BST 系列 BT50-BST / NT50-BST Series				BT50-FMA-47.625	
	連接盤 Flange		BR200				BR600	BR900
	重量(kg) Weight	合金鋼 Alloy Steel	合金鋼 Alloy Steel 2.7 kg				19	29
		鋁合金 Alum. Alloy					8.8	13.5
	橫向滑板 Extension Slide		RST200	RST300	RST400	RST500	RST300x 2只(pieces)	RST400x 2只(pieces)
	重量(kg) Weight	合金鋼 Alloy Steel	3.4	5.4	7.4	9.4	10.8	14.8
		鋁合金 Alum. Alloy	1.1	1.9	2.7	3.5	3.8	5.4
	平衡滑塊 Balance Weight		RBN200					
	重量(kg) Weight		1.6 kg					
	微調滑塊 Finish Head		CB200					
	重量(kg) Weight		1.6 kg					
	適合刀片 Applicable Insert		TP08/M2.2/T7, TP09/M2.5/T8, TC11/M2.5/T8					

CBH LARGE DIAMETER MODULAR FINISH BORING HEAD +BST SHANK (MAS 403 BT) - Boring Range from Ø200 - Ø1250mm

Ø200以上CBH大孔徑微調精搪刀+BST刀柄



搪頭型號 Boring Head Type	接合型號 BST No.	搪孔範圍ØD Boring Range(mm)	搪頭長度 L2 mm	刀片規格 / 螺絲 / 刀片扳手 Insert/Clamping Screw/Wrench	重量Weight(kg) 合金鋼 Alloy Steel	重量Weight(kg) 鋁合金 Alum. Alloy
CBH200	BST Series	200-310	130	TP08/M2.2/T7 TP09/M2.5/T8 TC11/M2.5/T8	9.7	7.0
CBH300	BST Series	300-410	130		11.7	7.8
CBH400	BST Series	400-510	130		13.7	8.6
CBH500	BST Series	500-610	130		15.7	9.4
CBH600	FMA-47.625	600-900	150		33.0	15.8
CBH900	FMA-47.625	900-1250	150		47.0	22.1



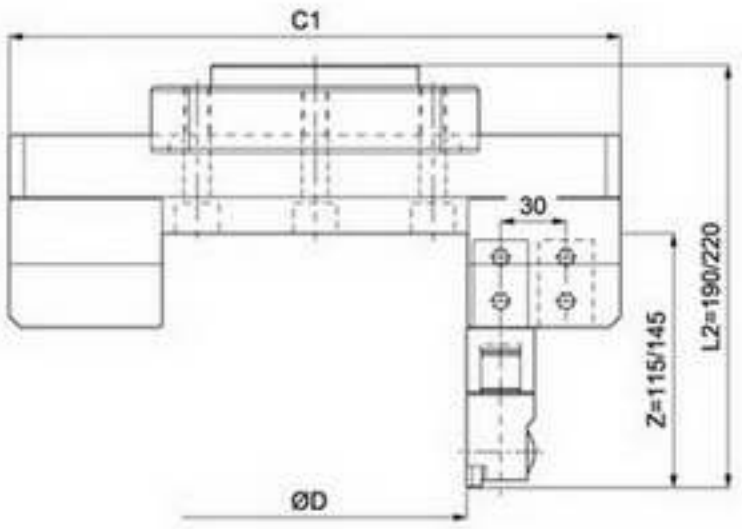
Boring diameter Ø200~1250 mm



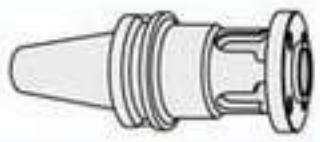
型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection BST刀桿 BST shank	組合內容 Tool Connection CBH刀頭 CBH boring head	接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重量 Weight(kg) 合金鋼 Alloy Steel	重量 Weight(kg) 鋁合金 Alum. Alloy
BT50-CBH200-230	200-310	185	BT50-BST-100	CBH200	BST	230	100	95	14.8	12.1
BT50-CBH200-280	200-310	235	BT50-BST-150	CBH200	BST	280	150	95	16.5	13.8
BT50-CBH200-330	200-310	285	BT50-BST-200	CBH200	BST	330	200	95	19.2	16.5
BT50-CBH200-380	200-310	335	BT50-BST-250	CBH200	BST	380	250	95	21.2	18.5
BT50-CBH200-430	200-310	385	BT50-BST-300	CBH200	BST	430	300	95	24.1	21.4
BT50-CBH200-480	200-310	435	BT50-BST-350	CBH200	BST	480	350	95	26.5	23.8
BT50-CBH200-530	200-310	485	BT50-BST-400	CBH200	BST	530	400	95	29.0	26.3
BT50-CBH300-230	300-410	185	BT50-BST-100	CBH300	BST	230	100	95	16.8	12.9
BT50-CBH300-280	300-410	235	BT50-BST-150	CBH300	BST	280	150	95	18.5	14.6
BT50-CBH300-330	300-410	285	BT50-BST-200	CBH300	BST	330	200	95	21.2	17.3
BT50-CBH300-380	300-410	335	BT50-BST-250	CBH300	BST	380	250	95	23.2	19.3
BT50-CBH300-430	300-410	385	BT50-BST-300	CBH300	BST	430	300	95	26.1	22.2
BT50-CBH300-480	300-410	435	BT50-BST-350	CBH300	BST	480	350	95	28.5	24.6
BT50-CBH300-530	300-410	485	BT50-BST-400	CBH300	BST	530	400	95	31.0	27.1
BT50-CBH400-230	400-510	185	BT50-BST-100	CBH400	BST	230	100	95	18.8	13.7
BT50-CBH400-280	400-510	235	BT50-BST-150	CBH400	BST	280	150	95	20.5	15.4
BT50-CBH400-330	400-510	285	BT50-BST-200	CBH400	BST	330	200	95	23.2	18.1
BT50-CBH400-380	400-510	335	BT50-BST-250	CBH400	BST	380	250	95	25.2	20.1
BT50-CBH400-430	400-510	385	BT50-BST-300	CBH400	BST	430	300	95	28.1	23.0
BT50-CBH400-480	400-510	435	BT50-BST-350	CBH400	BST	480	350	95	30.5	25.4
BT50-CBH400-530	400-510	485	BT50-BST-400	CBH400	BST	530	400	95	33.0	27.9
BT50-CBH500-230	500-610	185	BT50-BST-100	CBH500	BST	230	100	95	20.8	14.5
BT50-CBH500-280	500-610	235	BT50-BST-150	CBH500	BST	280	150	95	22.5	16.2
BT50-CBH500-330	500-610	285	BT50-BST-200	CBH500	BST	330	200	95	25.2	18.9
BT50-CBH500-380	500-610	335	BT50-BST-250	CBH500	BST	380	250	95	27.2	20.9
BT50-CBH500-430	500-610	385	BT50-BST-300	CBH500	BST	430	300	95	30.1	23.8
BT50-CBH500-480	500-610	435	BT50-BST-350	CBH500	BST	480	350	95	32.5	26.2
BT50-CBH500-530	500-610	485	BT50-BST-400	CBH500	BST	530	400	95	35.0	28.7
BT50-CBH600-230	600-900	185	BT50-FMA47.625-75	CBH600	FMA47.625	230	75	128	40.0	22.8
BT50-CBH900-230	900-1250	185	BT50-FMA47.625-75	CBH900	FMA47.625	230	75	128	54.0	29.1

CBR MODULAR EXTERNAL FINISH BORING HEAD -
Boring Range from Ø10 - Ø850mm

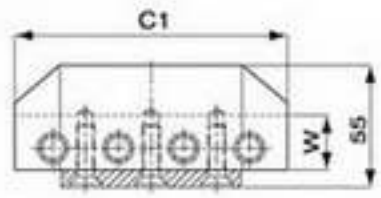
Ø200以上CBR組合式外圓微調精搪刀系列





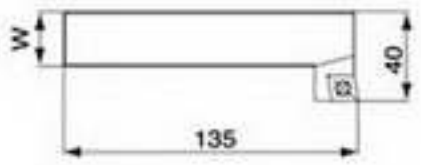
	型 號 Type		CBR200	CBR300	CBR400	CBR500	CBR600	CBR900
搪頭型號 Boring Head Type	搪頭長度 L2(mm)		190/220					
	有效長 Z(mm)		115/145					
	整組重量 (kg) Total Weight(kg)	合金鋼 Alloy Steel	9.7	11.5	13.5	15.5	33	47
		鋁合金 Aluminum Alloy	7	8	8.8	9.6	16	22.3
	加工直徑 ØD(mm) Boring Diameter		10-150	10-250	10-350	10-450	10-550	10-850
組合型式 Module	接合刀桿 Taper Shank		BT50-BST-100L				BT50-FMA-47.625	
	連接盤 Flange		BR200				BR600	BR900
	重量(kg) Weight	合金鋼 Alloy Steel	2.7 kg				19	29
		鋁合金 Alum. Alloy					8.8	13.5
	橫向滑板 Extension Slide		RST200	RST300	RST400	RST500	RST300x 2只(pieces)	RST400x 2只(pieces)
	重量(kg) Weight	合金鋼 Alloy Steel	3.4	5.4	7.4	9.4	10.8	14.8
		鋁合金 Alum. Alloy	1.1	1.9	2.7	3.5	3.8	5.4
	平衡滑塊 Balance Weight		RBN200					
	重量(kg) Weight		1.6 kg					
	外圓滑塊 Clamp Base		HBR200					
	重量(kg) Weight		1.3 kg					
	外圓用接桿 Adapter for External Boring		C25-LBK3-30			C25-LBK3-60		
	重量(kg)Weight		0.3			0.5		
	接合刀頭 Applicable Boring Heads		CBH32					

WBST TOOL REST
WBST 四方柄搪孔刀架



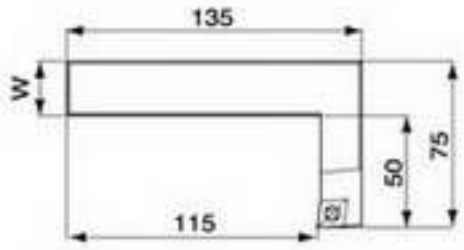
搪孔刀架型號 Type	接合型號 LBK No.	搪孔範圍 ØD mix-max External Diameter (mm)	搪頭長度 L2 Length(mm)	寬度C1 (mm)	□ W (mm)	重量(kg) Weight
WBST150	BST	150-250	55	125	25	2.5
WBST200	BST	200-300	55	175	25	3.6
WBST300	BST	300-400	55	275	25	6.0
WBST400	BST	400-500	55	375	25	8.3

SQUARE SHANK BORING TOOL HOLDER FOR WBST TOOL REST
WBST 刀盤專用四方柄搪刀



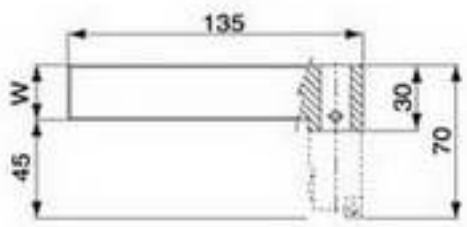
型 號 Type	□W (mm)	全長 L (mm)	適用刀片 Applicable Insert Holder	刀片螺絲 Clamp Screw	重量 kg Weight
BSB25-T16-135	25	135	TCMT16...	M4	0.67
BSB25-T22-135	25	135	TCMT22...	M5	0.67
BSB25-C12-135	25	135	CCMT12...	M5	0.67
BSB25-S12-135	25	135	SCMT12...	M5	0.67

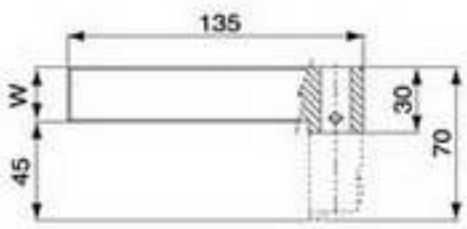
SQUARE SHANK EXTERNAL BORING TOOL HOLDER FOR WBST TOOL REST
WBST 刀盤專用四方柄外圓搪刀



型 號 Type	□W (mm)	全長 L (mm)	加工深 A (mm)	適用刀片 Applicable Insert Holder	刀片螺絲 Clamp Screw	重量 (kg) Weight
EBSB25-T16-135-50	25	135	40	TCMT16T304	M4	0.8
EBSB25-C12-135-50	25	135	40	CCMT120404	M5	0.8

INTERNAL & EXTERNAL SQUARE SHANK FINISH BORING TOOL HOLDER FOR WBST TOOL REST
WBST 刀盤專用四方柄內外圓精搪孔刀架





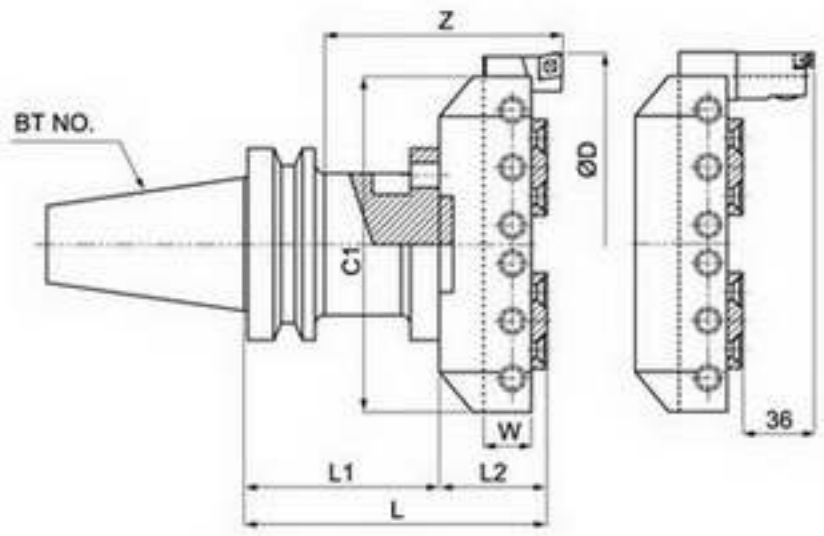


型 號 Type	□W (mm)	全長 L (mm)	加工深 A (mm)	適用搪頭 Applicable Boring Heads	適用刀片 Applicable Insert Holder	刀片螺絲 Length	重量 (kg) Weight
BSB25-LBK2-135	25	135	36	CBH25	TP08	M2.2	0.63

※此規格不含搪刀頭 ※Boring head is not included.

SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST +BST SHANK (MAS 403BT) - Boring Range from Ø150 - Ø510mm

Ø150以上WBST四方柄大徑搪刀+BST刀柄



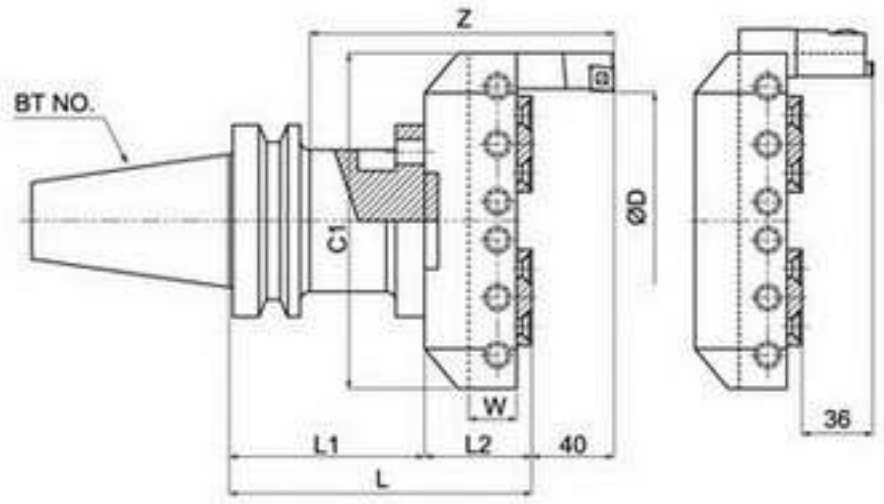


型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重量 KG
			BST刀桿 BST shank	WBST刀架 WBST Tool Rest					
BT40-WBST150-125	150-260	90	BT40-BST-70	WBST150	BST	125	70	95	5.7
BT40-WBST200-125	200-310	90	BT40-BST-70	WBST200	BST	125	70	95	6.8
BT50-WBST150-155	150-260	110	BT50-BST-100	WBST150	BST	155	100	95	7.6
BT50-WBST150-205	150-260	160	BT50-BST-150	WBST150	BST	205	150	95	9.3
BT50-WBST150-255	150-260	210	BT50-BST-200	WBST150	BST	255	200	95	12.1
BT50-WBST150-305	150-260	260	BT50-BST-250	WBST150	BST	305	250	95	14
BT50-WBST150-355	150-260	310	BT50-BST-300	WBST150	BST	355	300	95	16
BT50-WBST150-405	150-260	360	BT50-BST-350	WBST150	BST	405	350	95	18.6
BT50-WBST150-455	150-260	410	BT50-BST-400	WBST150	BST	455	400	95	21.8
BT50-WBST200-155	200-310	110	BT50-BST-100	WBST200	BST	155	100	95	8.7
BT50-WBST200-205	200-310	160	BT50-BST-150	WBST200	BST	205	150	95	10.4
BT50-WBST200-255	200-310	210	BT50-BST-200	WBST200	BST	255	200	95	13.2
BT50-WBST200-305	200-310	260	BT50-BST-250	WBST200	BST	305	250	95	15.1
BT50-WBST200-355	200-310	310	BT50-BST-300	WBST200	BST	355	300	95	17.1
BT50-WBST200-405	200-310	360	BT50-BST-350	WBST200	BST	405	350	95	19.7
BT50-WBST200-455	200-310	410	BT50-BST-400	WBST200	BST	455	400	95	22.9
BT50-WBST300-155	300-410	110	BT50-BST-100	WBST300	BST	155	100	95	11.1
BT50-WBST300-205	300-410	160	BT50-BST-150	WBST300	BST	205	150	95	12.8
BT50-WBST300-255	300-410	210	BT50-BST-200	WBST300	BST	255	200	95	15.6
BT50-WBST300-305	300-410	260	BT50-BST-250	WBST300	BST	305	250	95	17.5
BT50-WBST300-355	300-410	310	BT50-BST-300	WBST300	BST	355	300	95	19.5
BT50-WBST300-405	300-410	360	BT50-BST-350	WBST300	BST	405	350	95	22.1
BT50-WBST300-455	300-410	410	BT50-BST-400	WBST300	BST	455	400	95	25.3
BT50-WBST400-155	400-510	110	BT50-BST-100	WBST400	BST	155	100	95	13.4
BT50-WBST400-205	400-510	160	BT50-BST-150	WBST400	BST	205	150	95	15.1
BT50-WBST400-255	400-510	210	BT50-BST-200	WBST400	BST	255	200	95	17.9
BT50-WBST400-305	400-510	260	BT50-BST-250	WBST400	BST	305	250	95	19.8
BT50-WBST400-355	400-510	310	BT50-BST-300	WBST400	BST	355	300	95	21.8
BT50-WBST400-405	400-510	360	BT50-BST-350	WBST400	BST	405	350	95	24.4
BT50-WBST400-455	400-510	410	BT50-BST-400	WBST400	BST	455	400	95	27.6

※此規格不含BSB25四方柄搪刀。 ※Option of BSB25 Square Shank Boring Tool Holder.

SQUARE SHANK LARGE HOLE BORING HEAD FITTED WITH WBST TOOL REST +BST SHANK (MAS 403BT) FOR EXTERNAL BORING- Boring Range from Ø80 - Ø450mm

Ø150以上WBST四方柄大徑搪刀+BST刀柄(MAS 403 BT)外圓加工用





WBST四方柄搪孔刀架+BST刀柄+EBSB25四方柄外圓搪刀

型 號 Type	搪孔範圍 ØD(mm)	Z	加工深 A	組合內容 Tool Connection		接合型號 LBK No.	全長 L	刀桿長 L1	刀桿外徑 ØD1	重 量 KG
				BST刀桿 BST shank	WBST刀架 WBST Tool Rest					
BT40-WBST150-125	80-200	90	36	BT40-BST-70	WBST150	BST	125	70	95	5.7
BT40-WBST200-125	130-250	90	36	BT40-BST-70	WBST200	BST	125	70	95	6.8
BT50-WBST150-155	80-200	110	36	BT50-BST-100	WBST150	BST	155	100	95	7.6
BT50-WBST150-205	80-200	160	36	BT50-BST-150	WBST150	BST	205	150	95	9.3
BT50-WBST150-255	80-200	210	36	BT50-BST-200	WBST150	BST	255	200	95	12.1
BT50-WBST150-305	80-200	260	36	BT50-BST-250	WBST150	BST	305	250	95	14
BT50-WBST150-355	80-200	310	36	BT50-BST-300	WBST150	BST	355	300	95	16
BT50-WBST150-405	80-200	360	36	BT50-BST-350	WBST150	BST	405	350	95	18.6
BT50-WBST150-455	80-200	410	36	BT50-BST-400	WBST150	BST	455	400	95	21.8
BT50-WBST200-155	130-250	110	36	BT50-BST-100	WBST200	BST	155	100	95	8.7
BT50-WBST200-205	130-250	160	36	BT50-BST-150	WBST200	BST	205	150	95	10.4
BT50-WBST200-255	130-250	210	36	BT50-BST-200	WBST200	BST	255	200	95	13.2
BT50-WBST200-305	130-250	260	36	BT50-BST-250	WBST200	BST	305	250	95	15.1
BT50-WBST200-355	130-250	310	36	BT50-BST-300	WBST200	BST	355	300	95	17.1
BT50-WBST200-405	130-250	360	36	BT50-BST-350	WBST200	BST	405	350	95	19.7
BT50-WBST200-455	130-250	410	36	BT50-BST-400	WBST200	BST	455	400	95	22.9
BT50-WBST300-155	230-350	110	36	BT50-BST-100	WBST300	BST	155	100	95	11.1
BT50-WBST300-205	230-350	160	36	BT50-BST-150	WBST300	BST	205	150	95	12.8
BT50-WBST300-255	230-350	210	36	BT50-BST-200	WBST300	BST	255	200	95	15.6
BT50-WBST300-305	230-350	260	36	BT50-BST-250	WBST300	BST	305	250	95	17.5
BT50-WBST300-355	230-350	310	36	BT50-BST-300	WBST300	BST	355	300	95	19.5
BT50-WBST300-405	230-350	360	36	BT50-BST-350	WBST300	BST	405	350	95	22.1
BT50-WBST300-455	230-350	410	36	BT50-BST-400	WBST300	BST	455	400	95	25.3
BT50-WBST400-155	330-450	110	36	BT50-BST-100	WBST400	BST	155	100	95	13.4
BT50-WBST400-205	330-450	160	36	BT50-BST-150	WBST400	BST	205	150	95	15.1
BT50-WBST400-255	330-450	210	36	BT50-BST-200	WBST400	BST	255	200	95	17.9
BT50-WBST400-305	330-450	260	36	BT50-BST-250	WBST400	BST	305	250	95	19.8
BT50-WBST400-355	330-450	310	36	BT50-BST-300	WBST400	BST	355	300	95	21.8
BT50-WBST400-405	330-450	360	36	BT50-BST-350	WBST400	BST	405	350	95	24.4
BT50-WBST400-455	330-450	410	36	BT50-BST-400	WBST400	BST	455	400	95	27.6

※此規格不含EBSB25四方柄外圓搪刀。 ※拆掉護蓋，有效深可達到45，最小搪孔範圍可達到Ø10。
※Option of BSB25 Square Shank External Boring Tool Holder..
※Applicable Boring Depth up to 45 mm with Minimum Boring Range down to Ø10mm after Taking off the Shield.

SMALL DIAMETER FINISH BORING HEAD TYPE CBI

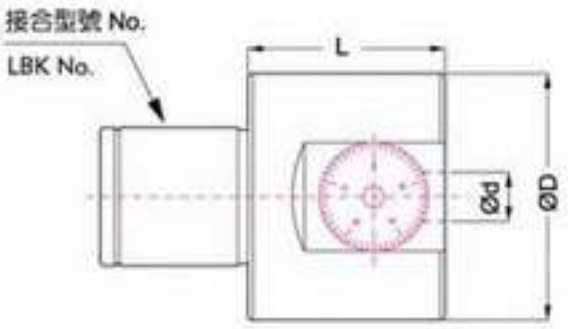
Boring Range from Ø3 - Ø50mm

CBI 小徑微調精搪刀系列



Feature

- Available are three different styles enabling small diameter boring from Ø3mm to Ø50mm . Boring range can be within Ø3mm to Ø14mm if small diameter solid carbide boring bar has been employed.
- The dial has been graduated into 50 divisions, each of which is 0.01mm on diameter. Available is a sub-dial for finer adjustment.
- High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.
- CBI小徑精搪刀有三種選擇，通用於Ø3~Ø50mm小孔徑使用，如使用全鎢鋼小徑搪刀桿可加工Ø3~Ø14mm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。
- 精密導程螺絲位於內部，不受切屑、磨耗、生鏽等影響，具有內部潤滑，精準耐用。

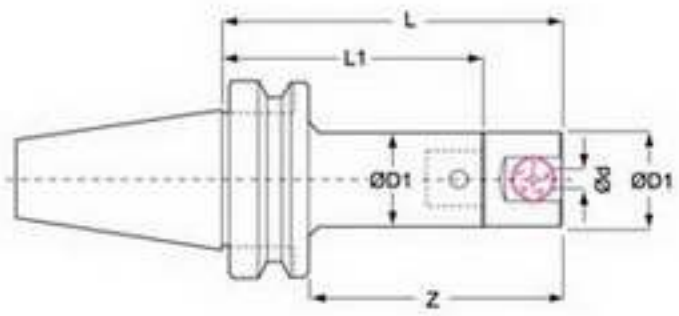


搪頭型號 Boring Head Type	接合型號 LBK No	內置刀桿 Ød(mm) Internal Diameter	外徑 ØD (mm) External Diameter	長 度 Length	移動量 (mm) Feed	本體重量 kg Weight
CBI 4	LBK4	10	39	32	0 - 2.0	0.4
CBI 5	LBK5	12	50	40	0 - 3.5	0.8
CBI 6	LBK6	16	64	50	0 - 5.0	1.4

CBI SMALL DIAMETER FINISH BORING HEAD + LBK SHANK (MAS 403 BT) + TOOL EXTENSION TYPE BJ

CBI小徑微調精搪刀 + LBK刀柄 (MAS 403 BT)+小徑搪刀桿BJ系列





型 號 Type	移動量 F mm	延伸長 Z	組合內容 Tool Connection			接合型號 LBK No.	全長 L	刀桿長 L1	外徑 ØD1	重 量 KG
			LBK刀桿LBK shank	CBI刀頭	小徑搪刀桿					
BT30-CBI4-BJ10-5PCS	0-2.0	70	BT30-LBK4-070	CBI4	BJ10-5PCS	4	100	70	39	1.9
BT30-CBI5-BJ12-5PCS	0-3.5	70	BT30-LBK5-060	CBI5	BJ12-5PCS	5	100	60	50	2.3
BT30-CBI6-BJ16-8PCS	0-5.0	80	BT30-LBK6-060	CBI6	BJ16-8PCS	6	110	60	64	4.6
BT40-CBI4-BJ10-5PCS	0-2.0	75	BT40-LBK4-085	CBI4	BJ10-5PCS	4	115	85	39	2.4
BT40-CBI5-BJ12-5PCS	0-3.5	75	BT40-LBK5-075	CBI5	BJ12-5PCS	5	115	75	50	2.8
BT40-CBI6-BJ16-8PCS	0-5.0	75	BT40-LBK6-065	CBI6	BJ16-8PCS	6	115	65	64	4.9
BT50-CBI4-BJ10-5PCS	0-2.0	95	BT50-LBK4-115	CBI4	BJ10-5PCS	4	145	115	39	5.4
BT50-CBI5-BJ12-5PCS	0-3.5	95	BT50-LBK5-105	CBI5	BJ12-5PCS	5	145	105	50	6.0
BT50-CBI6-BJ16-8PCS	0-5.0	95	BT50-LBK6-095	CBI6	BJ16-8PCS	6	145	95	64	8.1

Fig.1

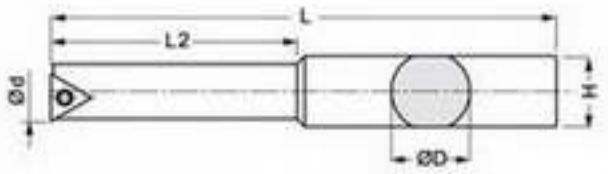
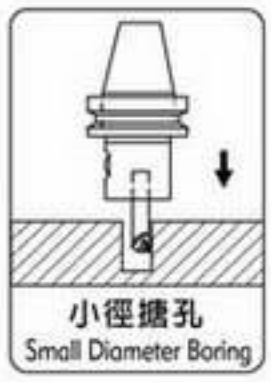


Fig.2







FINE BORING BAR TYPE BJ (for CBI4) CBI4專用小徑搪刀桿BJ型

《搪孔範圍Boring Range Ø8-Ø24mm》

型 號 Type	Fig.	ØD(mm)	Ød(mm)	L (mm)	L2 (mm)	H (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench
BJ1008-32	1	10	8	64	32	9	TB..0601..	M2	T6
BJ1010-40	1	10	10	72	40	9	TB..0601..	M2	T6
BJ1012-45	2	10	12	77	27	9	TP..0902..	M2.5	T8
BJ1016-45	2	10	16	77	27	9	TP..0902..	M2.5	T8
BJ1020-45	2	10	20	77	27	9	TP..0902..	M2.5	T8
※BJ10-5PCS		BJ1008-32		BJ1010-40		BJ1012-45		BJ1016-45	BJ1020-45

FINE BORING BAR TYPE BJ (for CBI5) CBI5專用小徑搪刀桿BJ型

《搪孔範圍 Boring Range Ø8-Ø27mm》

型 號 Type	Fig.	ØD(mm)	Ød(mm)	L (mm)	L2 (mm)	H (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench
BJ1208-32	1	12	8	64	32	9	TB..0601..	M2	T6
BJ1210-40	1	12	10	72	40	9	TB..0601..	M2	T6
BJ1212-45	1	12	12	77	45	9	TP..0902..	M2.5	T8
BJ1216-45	2	12	16	77	22	9	TP..0902..	M2.5	T8
BJ1220-45	2	12	20	77	25	9	TP..0902..	M2.5	T8
※BJ12-5PCS		BJ1208-32		BJ1210-40		BJ1212-45		BJ1216-45	BJ1220-45

FINE BORING BAR TYPE BJ (for CBI6) CBI6專用小徑搪刀桿BJ型

《搪孔範圍 Boring Range Ø8-Ø50mm》

型 號 Type	Fig.	ØD(mm)	Ød(mm)	L (mm)	L2 (mm)	H (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench
BJ1608-32	1	16	8	74	32	15	TB..0601..	M2	T6
BJ1610-40	1	16	10	75	40	15	TB..0601..	M2	T6
BJ1612-53	1	16	12	85	53	15	TP..0902..	M2.5	T8
BJ1616-68	1	16	16	100	68	15	TP..0902..	M2.5	T8
BJ1620-83	2	16	20	115	83	15	TP..0902..	M2.5	T8
BJ1625-90	2	16	25	122	90	15	TP..0902..	M2.5	T8
BJ1630-90	2	16	30	122	90	15	TP..0902..	M2.5	T8
BJ1640-90	2	16	40	122	90		TP..0902..	M2.5	T8
※BJ16-8PCS		BJ1608-32 BJ1620-83		BJ1610-40 BJ1625-90		BJ1612-53 BJ1630-90		BJ1616-68 BJ1640-90	

※表示盒裝包裝　※切削加工時，小徑搪刀桿以3倍直徑伸出量為佳。

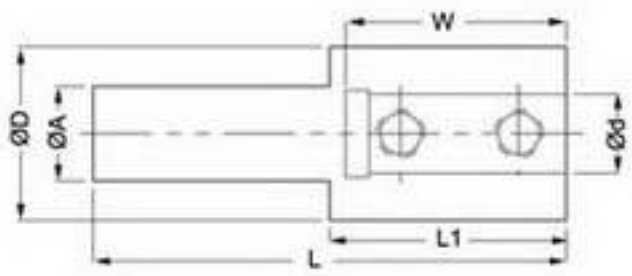
※In Box Package　※Note:Outstretch of small diameter boring is better within 3 times of its diameter when in use.

EXTENSION ADAPTER FOR SMALL DIAMETER BORING BAR DEDICATED TO CBI SERIES TYPE AC

CBI系列專用小徑搪刀延長桿AC型



型 號 Type	柄 徑 Ø A(mm)	外徑External Dia. ØD (mm)	內 徑 Ø d(mm)	延伸長度 L1 (mm)	孔 深 W (mm)	全長Length L (mm)
AC1006-30	10	18	06	30	25	55
AC1206-35	12	22	06	35	25	65
AC1210-35	12	22	10	35	30	65
AC1606-35	16	16	06	35	25	85
AC1610-35	16	22	10	35	30	85
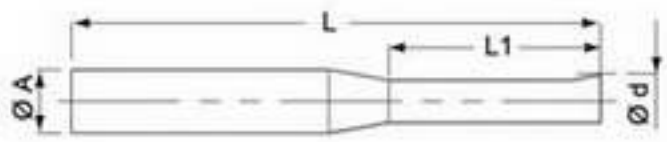


SUPER FINE DIAMETER TUNGSTEN CARBIDE BORING BAR DEDICATED TO CBI SERIES TYPE SBJ

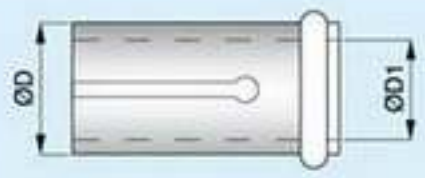
CBI系列專用超小徑碳化鎢搪孔刀SBJ型

型 號 Type	搪孔範圍 Boring Range				柄徑 ØA	有效長 Length L1 (mm)	總 長 Total Length L (mm)
	最小加工直徑 Ød min	最大加工直徑 Ød max					
		CBI 4	CBI 5	CBI 6			
SBJ0603-15	3	7	10	13	6	15	50
SBJ0604-20	4	8	11	14	6	20	50
SBJ0605-25	5	9	12	15	6	25	60
SBJ0606-30	6	10	13	16	6	30	60
SBJ1008-35	8	12	15	18	10	35	75
SBJ1010-40	10	14	17	20	10	40	75





COLLET FOR TUNGSTEN CARBIDE SMALL DIAMETER MODULAR BORING BAR SERIES TYPE EC
碳化鎢組合式小徑搪刀桿專用套筒EC型



型 號 Type	外徑ØD (mm)	內徑ØD1 (mm)	適用鎢鋼刀柄 Applicable Carbide Tool Holder
EC1608	16	8	ST08 , HC08
EC1610	16	10	ST10 , HC10
EC1612	16	12	ST12 , HC12
EC1614	16	14	ST14

TUNGSTEN CARBIDE SMALL DIAMETER MODULAR BORING BAR TYPE SC
碳化鎢組合式小徑搪刀桿ST型

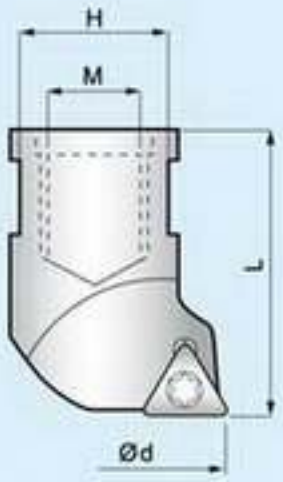


型 號 Type	全長L (mm)	柄徑ØD (mm)	結合牙M (mm)	適用搪孔頭 Applicable Insert Holder	適用套筒 Applicable Bushing
ST08-W5-100L	100	8	M5	BE09A, BE10.5A	EC1608
ST10-W6-110L	110	10	M6	BE12A	EC1610
ST12-W6-120L	120	12	M6	BE14A, BE16A	EC1612
ST14-W6-160L	160	14	M6	BE16A	EC1614
ST16-W10-160L	160	16	M10	BE18A,BE20A,BE22A,BE24A BE26A,BE28A,BE30A,BE32A BE34A,BE36A,BE38A,BE40A	----

MODULAR H.S.S FINE BORING BAR TYPE HC
高速鋼組合式小徑搪刀桿HC型

型 號 Type	全長L (mm)	柄徑ØD (mm)	結合牙M (mm)	適用搪孔頭 Applicable Insert Holder	適用套筒 Applicable Bushing
HC08-M5-075	75	8	M5	BE09A, BE10.5A	EC1608
HC10-M6-095	95	10	M6	BE12A	EC1610
HC12-M6-115	115	12	M6	BE14A, BE16A	EC1612
HC12-M10-130	130	12	M10	BE18A,BE20A,BE22A,BE24A	EC1612
HC16-M10-130	130	16	M10	BE26A,BE28A,BE30A,BE32A BE34A,BE36A,BE38A,BE40A	----

MODULAR INSERT HOLDER TYPE BE - Boring Range from Ø9 - Ø50mm
組合式搪孔頭BE型

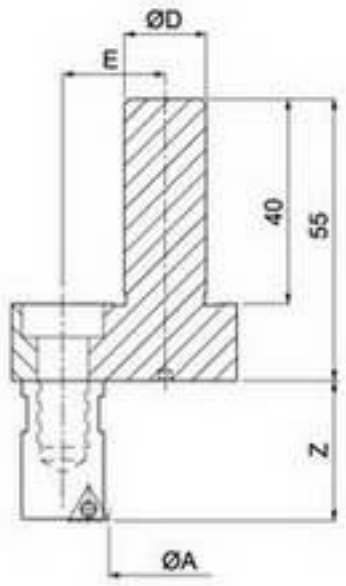


型 號Type	Ød (mm)	H (mm)	L (mm)	M (mm)	刀片規格 Insert	螺 絲 Clamping Screw	扳手 Wrench
BE09A	9	7	18	M5	TP..0802..	M2.2	T7
BE10.5A	10.5	7	18	M5	TP..0802..	M2.2	T7
BE12A	12	8	23	M6	TP..0802..	M2.2	T7
BE14A	14	10	23	M6	TP..0802..	M2.2	T7
BE16A	16	10	23	M6	TP..0802..	M2.2	T7
BE18A	18	14	27	M10	TP..0802..	M2.2	T7
BE20A	20	14	27	M10	TP..0802..	M2.2	T7
BE22A	22	14	27	M10	TP..0802..	M2.2	T7
BE24A	24	14	27	M10	TP..0802..	M2.2	T7
BE26A	26	14	27	M10	TP..0802..	M2.2	T7
BE28A	28	14	27	M10	TP..0802..	M2.2	T7
BE30A	30	14	27	M10	TP..0802..	M2.2	T7
BE32A	32	14	27	M10	TP..0802..	M2.2	T7
BE34A	34	14	27	M10	TP..0802..	M2.2	T7
BE36A	36	14	27	M10	TP..0802..	M2.2	T7
BE38A	38	14	27	M10	TP..0802..	M2.2	T7

CBR20、CBR30 MODULAR ASSEMBLIES FOR EXTERNAL BORING
- Boring Range from Ø5 - Ø52mm

CBR20, CBR30組合式外圓搪孔組件

Boring diameter Ø5~52 mm



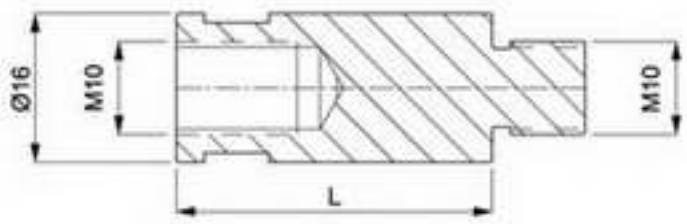


型號 Type	搪孔頭BE型	外圍搪孔範圍 ØA (mm)	偏心距離 E(mm)	有效深 Z (mm)	柄徑 ØD (mm)	刀片規格
C16-CBR20 C20-CBR20	BE36A	5-14	20	27	16/20	TP08/M2.2
	BE34A	7-16				
	BE32A	9-18				
	BE30A	11-20				
	BE28A	13-22				
	BE26A	15-24				
	BE24A	17-26				
	BE22A	19-28				
	BE20A	21-30				
	BE18A	23-32				
C16-CBR30 C20-CBR30	BE36A	25-34	30	27	16/20	TP08/M2.2
	BE34A	27-36				
	BE32A	29-38				
	BE30A	31-40				
	BE28A	33-42				
	BE26A	35-44				
	BE24A	37-46				
	BE22A	39-48				
	BE20A	41-50				
	BE18A	43-52				

※C16-CBR20、CBR30 為 CBI6 搪孔器專用搪外圍組件
※C20-CBR20、CBR30 為 CBH2084 搪孔器專用搪外圍組件

※C16-CBR20、CBR30 are the external boring assemblies for CBI6 boring system.
※C20-CBR20、CBR30 are the external boring assemblies for CBH2084 boring system.

EXTENSION ADAPTERS FOR CBR20、CBR30
CBR20, CBR30專用加長連接桿





型號 Type	適用搪孔頭	桿長 L(mm)	有效深 Z(mm)	結合牙 M
CBRM10-34	BE18A-BE36A	34	61	M10
CBRM10-64	BE18A-BE36A	64	91	M10

SUPER HARD SOLID TUNGSTEN CARBIDE BORING BAR
- Boring Range from Ø20 - Ø75mm

Ø200以上RBH-LA組合式大徑粗搪刀系列

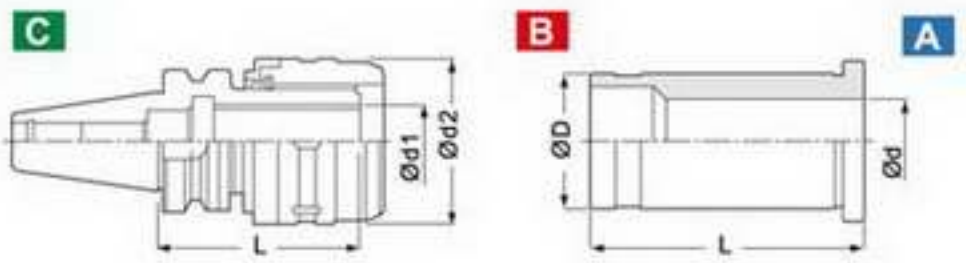
Feature

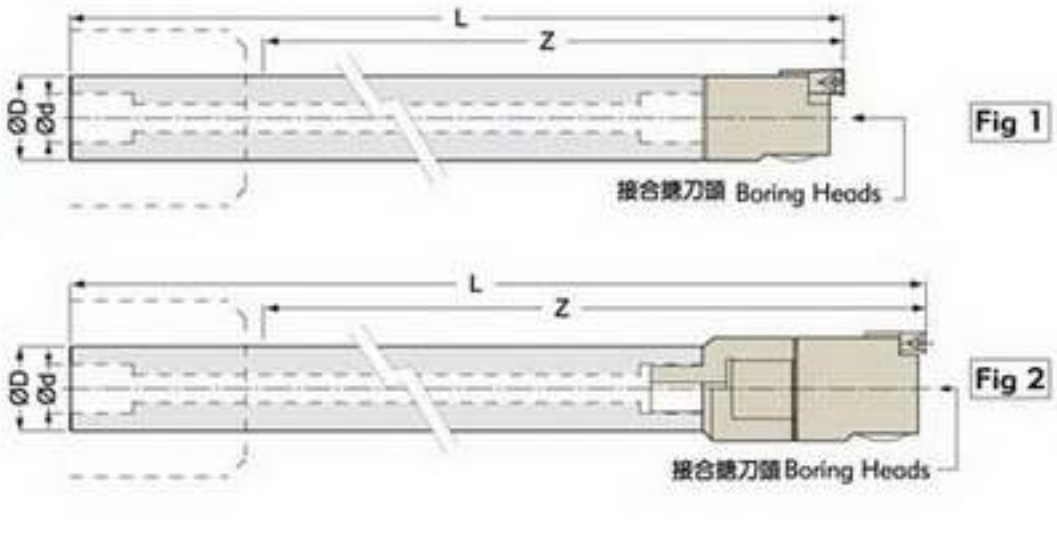
- Super hard tungsten carbide boring bar made from high toughness compound is tough and durable, highly materializing features of super hardness, high rigidity and extra vibration resistance, most suitable for extra depth boring (10D).
- Standard internal coolant hole is built in every size of the bar, best for cooling and chip evacuation in deep hole boring.
- Featuring straight shank structure, the bar can be adjusted to different working lengths.
- On both ends of main body integrated are soldering holes. One hole will be superseded by the other upon breaking. This will reduce your cost and greatly increase the value of boring bar.

超硬
SUPER HARD



- 超硬碳化鎢製搪刀桿，使用高韌性配方製造，堅韌耐用，實現高硬度、高剛性、高抗震性，可施行超深孔搪孔加工(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。
- 本體兩端均設有結合孔，如遇一端損壞時，另一端即能配合使用，增加刀桿本身價值，更符合經濟效益。





A SUPER HEAD SOLID TUNGSTEN CARBIDE BORING BAR 碳化鎢直柄搪刀桿

型 號 Type	樣式 Fig	內孔徑 Inside Dia. Ød (mm)	外徑 External Dia. ØD (mm)	全長 Length L (mm)	有效長 Z (mm)	接合搪刀頭 Applicable Boring Heads	搪孔範圍 Boring Diameter Ø (mm)	重量 Weight (kg)
SC19-LBK1-150L	1	11	19	225	150	CBH20	20-26	0.8
SC19-LBK1-200L	1	11	19	275	200	CBH20	20-26	1
SC24-LBK2-180L	1	14	24	260	180	CBH25	25-33	1.45
SC24-LBK2-240L	1	14	24	320	240	CBH25	25-33	1.8
SC32-LBK3-240L	1	18	32	320	240	CBH32	33-42	2.8
SC32-LBK3-310L	1	18	32	390	310	CBH32	33-42	3.5
SC32-LBK3/4-280L	2	18/22	32/39	365	280	CBH40	40-55	3.1
SC32-LBK3/4-350L	2	18/22	32/39	435	350	CBH40	40-55	3.8
SC40-LBK4-310L	1	22	40	390	310	CBH40	41-55	5
SC40-LBK4-400L	1	22	40	480	400	CBH40	41-55	6.5
SC40-LBK4/5-360L	2	22/28	40/50	445	360	CBH52	52-75	5.6
SC40-LBK4/5-450L	2	22/28	40/50	535	450	CBH52	52-75	7.1

※此規格不含搪刀頭
※LBK3/4與LBK4/5為小變大異徑延長桿

※Boring head is not included.
※LBK3/4 and LBK4/5 are extensions with magnifying diameter.

B COLLET FOR SUPER HEAD SOLID TUNGSTEN CARBIDE BORING BAR
碳化鎢LBK直柄搪刀桿專用套筒

型號 Type	內孔徑 Inside Dia. Ød (mm)	外徑 External Dia. ØD (mm)	全長 Length L (mm)	重量 Weight (kg)
C32-19	19	32	65	0.2
C32-24	24	32	65	0.2



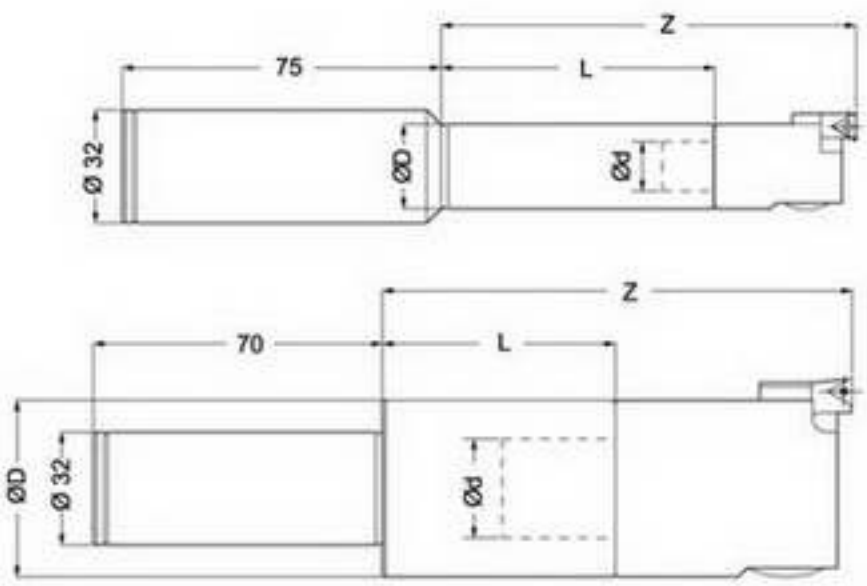
C POWER CHUCK HOLDER TYPE MLC FOR SUPER HEAD SOLID TUNGSTEN CARBIDE BORING BAR
直筒式立銑刀夾頭

型號 Type	刀桿長 Length L (mm)	內徑 Inside Dia. Ød1 (mm)	外徑 External Dia. Ød2 (mm)	重量 Weight (kg)
BT40-MLC32-090	90	32	73	2.6
BT50-MLC32-110	110	32	73	5.2
BT50-OC32-110	110	32	68	6.0
BT50-OC40-110	110	40	78	6.5

※BT50-OC32, BT50-OC40為油壓夾頭
※Both BT50-OC32-110 and BT50-OC40-110 are Hydraulic Chucks.



C32 STRAIGHT SHANK BORING BAR
C32直柄搪刀桿 - 接合搪刀頭

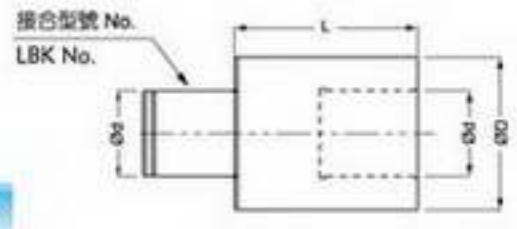




型號 Type	內孔徑 Inside Dia. Ød (mm)	外徑 External Dia. ØD (mm)	長度 Length L (mm)	有效長 Z (mm)	接合搪刀頭 Applicable Boring Heads	重量 Weight (kg)
C32-LBK1-075L	11	19	75	110	CBH20	0.5
C32-LBK2-070L	14	24	70	110	RBH25 ; RBH25LA	0.55
C32-LBK2-120L	14	24	120	160	CBH25	0.8
C32-LBK3-070L	18	31	70	110	RBH32 ; RBH32LA	0.65
C32-LBK3-120L	18	31	120	160	CBH32	0.95
C32-LBK4-060L	22	39	60	110	RBH40 ; RBH40LA	0.8
C32-LBK4-110L	22	39	110	160	CBH40 ; CBI 4	1.2
C32-LBK5-060L	28	50	60	120	RBH52 ; RBH52LA	1
C32-LBK5-120L	28	50	120	180	CBH52 ; CBI 5	1.95
C32-LBK6-060L	36	64	60	130	RBH68; RBH90 RBH68LA; RBH90LA	1.55
C32-LBK6-120L	36	64	120	190	CBH68,100,150 ; CBI 6	2.9

※此規格不含搪刀頭 ※Boring head is not included.

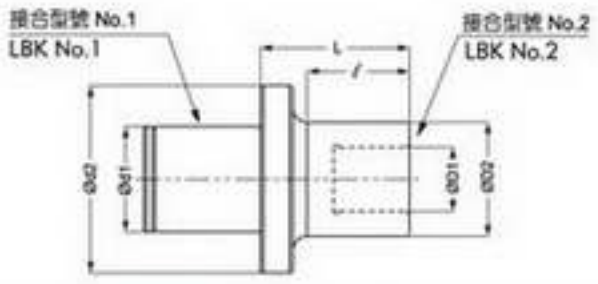
EXTENSION (CONSTANT DIAMETER)
等徑搪刀延長桿





規格 Type	Ød mm	ØD mm	L mm	接合搪刀頭 Applicable Boring Heads	重量 Weight
LBK1-1-30L	11	19	30	CBH20	0.07
LBK2-2-30L	14	24	30	RBH25 ; CBH25	0.1
LBK3-3-30L	18	31	30	RBH32 ; CBH32	0.15
LBK4-4-45L	22	39	45	RBH40 ; CBH40 ; CBI4	0.4
LBK5-5-60L	28	50	60	RBH52 ; CBH52 ; CBI5	0.8
LBK6-6-60L	36	64	60	RBH68/RBH90 ; CBH68,100,150 ; CBI6	1.4

EXTENSION (REDUCING)
異徑搪刀延長桿





型號 Type	Ød 1 (mm)	Ød 2 (mm)	ØD1 (mm)	ØD2 (mm)	L (mm)	ℓ (mm)	接合搪刀頭 Applicable Boring Heads	重量 kg Weight
LBK2-1-36L	14	24	11	19	36	30	CBH20	0.1
LBK3-1-41L	18	31	11	19	41	30	CBH20	0.15
LBK3-2-37L	18	31	14	24	37	25	RBH25 ; CBH25	0.15
LBK4-1-58L	22	39	11	19	58	40	CBH20	0.3
LBK4-2-50L	22	39	14	24	50	36	RBH25 ; CBH25	0.3
LBK4-3-50L	22	39	18	31	50	37	RBH32 ; CBH32	0.35
LBK5-1-60L	28	50	11	19	60	40	CBH20	0.45
LBK5-2-54L	28	50	14	24	54	35	RBH25 ; CBH25	0.45
LBK5-2-74L	28	50	14	24	74	55	RBH25 ; CBH25	0.5
LBK5-3-47L	28	50	18	31	47	29	RBH32 ; CBH32	0.5
LBK5-3-72L	28	50	18	31	72	54	RBH32 ; CBH32	0.6
LBK5-4-42L	28	50	22	39	42	25	RBH40 ; CBH40	0.5
LBK5-4-67L	28	50	22	39	67	50	RBH40 ; CBH40	0.7
LBK6-1-70L	36	64	11	19	70	40	CBH20	0.9
LBK6-2-63L	36	64	14	24	63	45	RBH25 ; CBH25	0.7
LBK6-2-93L	36	64	14	24	93	75	RBH25 ; CBH25	0.8
LBK6-3-56L	36	64	18	31	56	39	RBH32 ; CBH32	0.75
LBK6-3-96L	36	64	18	31	96	79	RBH32 ; CBH32	0.95
LBK6-4-51L	36	64	22	39	51	35	RBH40 ; CBH40	0.85
LBK6-4-101L	36	64	22	39	101	85	RBH40 ; CBH40	1.3
LBK6-5-41L	36	64	28	52	41	25	RBH52 ; CBH52	0.85
LBK6-5-91L	36	64	28	52	91	75	RBH52 ; CBH52	1.45
BST-LBK6	50	95	36	64	100	60	CBH68, CBH100, CBH150 ; RBH68, RBH90	3.32

TAPER SHANK FOR BORING HEADS SERIES BST, LBK
BST系列, LBK系列 搪刀刀桿

LBK系列
LBK Series



Fig.1

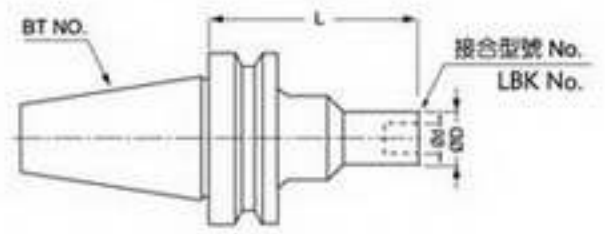
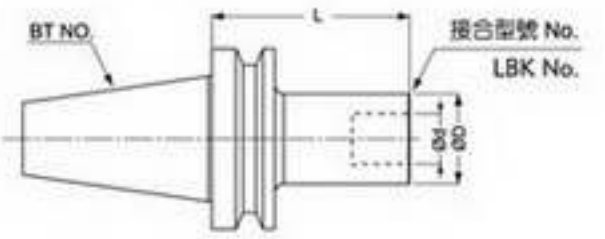


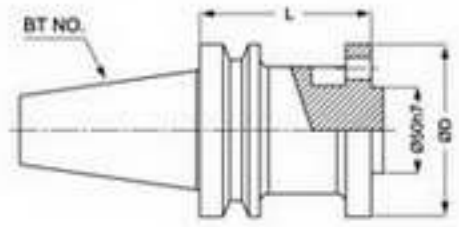
Fig.2



BST系列
BST Series



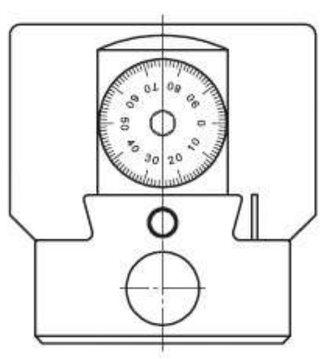
Fig.3

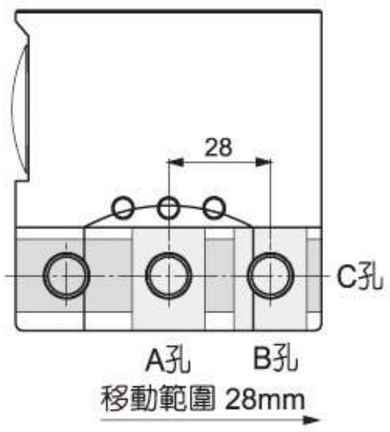


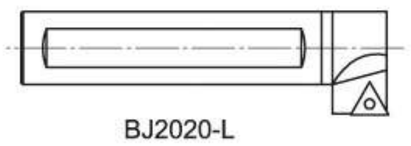
型 號 Type	樣式 Fig.	長度L(mm) Length	外徑ØD(mm) External Diameter	接 合 搪 刀 頭 Applicable Boring Heads	重量kg Weight
BT30-LBK1-070L	2	70	19	CBH20	0.5
BT30-LBK2-080L		80	24	RBH25 ; CBH25	0.6
BT30-LBK3-080L		80	31	RBH32 ; CBH32	0.7
BT30-LBK4-070L		70	39	RBH40 ; CBH40 ; CBI 4	0.8
BT30-LBK5-060L		60	50	RBH52 ; CBH52 ; CBI 5	0.8
BT30-LBK6-060L		60	64	RBH68 ; RBH90 ; CBH68 ; CBH100 ; CBH150 ; CBI6	1.0
BT40-LBK1-075L	2	75	19	CBH20	1.0
BT40-LBK1-105L		105			1.2
BT40-LBK2-085L		85	24	RBH25 ; CBH25	1.1
BT40-LBK2-115L		115			1.4
BT40-LBK3-095L		95	31	RBH32 ; CBH32	1.2
BT40-LBK3-125L		125			1.5
BT40-LBK3-155L		155			1.7
BT40-LBK4-085L		85	39	RBH40 ; CBH40 ; CBI4	1.3
BT40-LBK4-130L		130			1.9
BT40-LBK4-175L		175			2.2
BT40-LBK5-075L		75	50	RBH52 ; CBH52 ; CBI5	1.3
BT40-LBK5-125L		125			2.3
BT40-LBK5-175L		175			3.0
BT40-LBK6-065L		65	64	RBH68 ; RBH90 ; CBH68 CBH100 ; CBH150 ; CBI6	1.3
BT40-LBK6-115L		115			2.7
BT40-LBK6-165L		165			3.9
BT50-LBK1-115L	1	115	31/19	CBH20	4.0
BT50-LBK1-145L		145			4.1
BT50-LBK2-110L	2	110	24	RBH25 ; CBH25	3.9
BT50-LBK2-140L		140			4.0
BT50-LBK3-125L		125	31	RBH32 ; CBH32	4.1
BT50-LBK3-155L		155			4.2
BT50-LBK4-115L		115	39	RBH40 ; CBH40 ; CBI4	4.3
BT50-LBK4-145L		145			4.4
BT50-LBK4-175L		175			4.8
BT50-LBK4-205L		205			4.9
BT50-LBK5-105L		105	50	RBH52 ; CBH52 ; CBI5	4.5
BT50-LBK5-180L		180			5.5
BT50-LBK5-240L		240			6.2
BT50-LBK5-300L	1	300	64/50		7.6
BT50-LBK6-095L	2	95	64	RBH68 ; RBH90 ; CBH68 CBH100 ; CBH150 ; CBI6	4.5
BT50-LBK6-170L		170			6.3
BT50-LBK6-230L		230			7.6
BT50-LBK6-290L		290			9.0
BT50-LBK6-350L	1	350	90/64		13.5
IBT50-LBK6-350L	2	350	64		11.2
BT40-BST-070L	3	70	95	RBH120以上 CBH200以上 大徑搪刀系列 RBH120 and above; CBH200 and above; large diameter boring heads series	3.2
BT50-BST-100L		100			5.1
BT50-BST-150L		150			6.8
BT50-BST-200L		200			9.6
BT50-BST-250L		250			11.5
BT50-BST-300L		300			14.4
BT50-BST-350L		350			16.8
BT50-BST-400L		400			19.3
BT50-FMA47.625-75		75	128	RBH600LA, RBH900LA, CBH600,CBH900	7.0

微調搪刀《搪孔範圍 Ø8-Ø280mm》

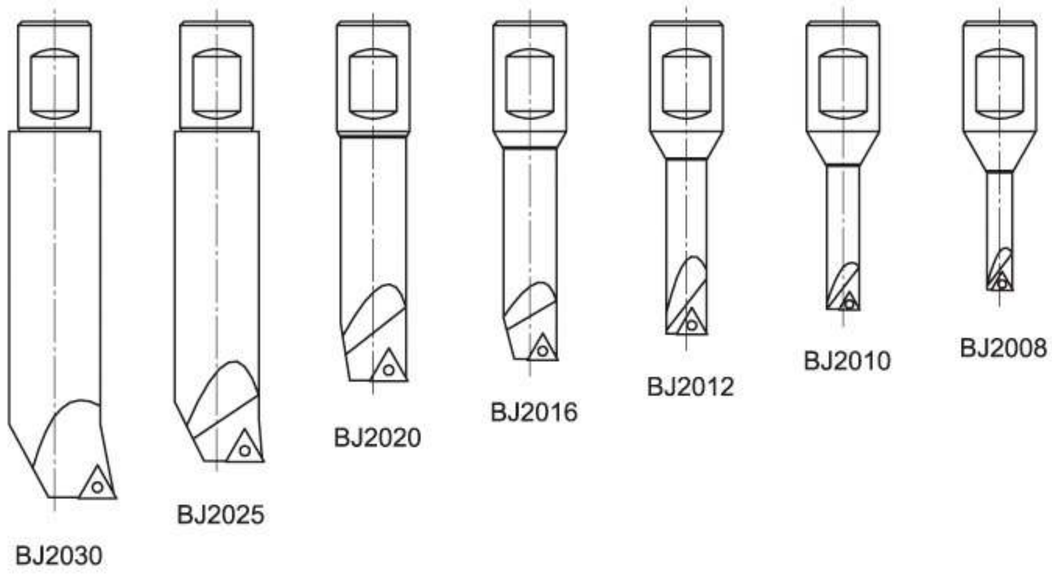
Finish Boring Head《Boring Range from Ø8-Ø280mm》






BJ2020-L





型 號 Type	重量 Weight (kg)
CBH2084 微調搪刀	3.3
CBH2084-BT40 刀桿	1.6
CBH2084-BT50 刀桿	4.55
BT40-CBH2084-BJ20-8PCS 套組	7.5
BT50-CBH2084-BJ20-8PCS 套組	10.45

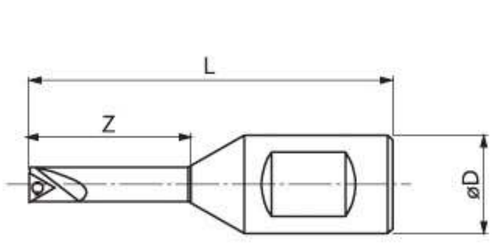


Fig.1

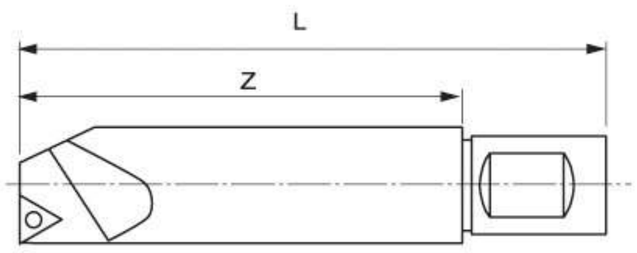


Fig.2

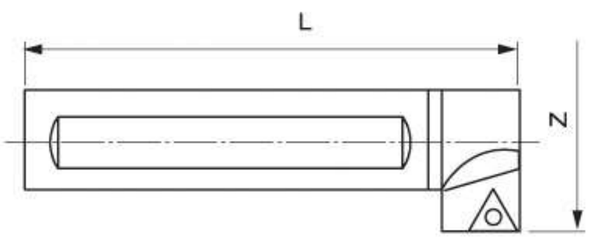


Fig.3

規 格 Specifications:

型 號 Type	Fig	A孔 搪孔範圍	B孔 搪孔範圍	øD mm	L mm	Z mm	刀片規格 Insert	刀片螺絲 Screw	刀片扳手 Wrench	重量 kg Weight
BJ2008-32	1	8-64	64-120	20	80	32	TB..0601	Ø2.7xM2	T6	0.105
BJ2010-40		10-66	66-122		87	40				0.115
BJ2012-53		12-68	68-124		98	53	TP..0902	M2.5	T8	0.125
BJ2016-68		16-72	72-128		110	68				0.175
BJ2020-83		20-76	76-132		123	83	TP..1103	M3	T9	0.245
BJ2025-96	2	25-81	81-137		137	96				0.250
BJ2030-115		30-86	86-142		152	115				0.375
BJ20-20L	3	C孔120-280			100	100				0.455
BJ20-8PCS	BJ2008-32 BJ2010-40 BJ2012-53 BJ2016-68 BJ2020-83 BJ2025-96 BJ2030-115 BJ20-20L									2.6

※另可搭配外圓搪孔組件C20-CBR20、30。