

BORING SYSTEM



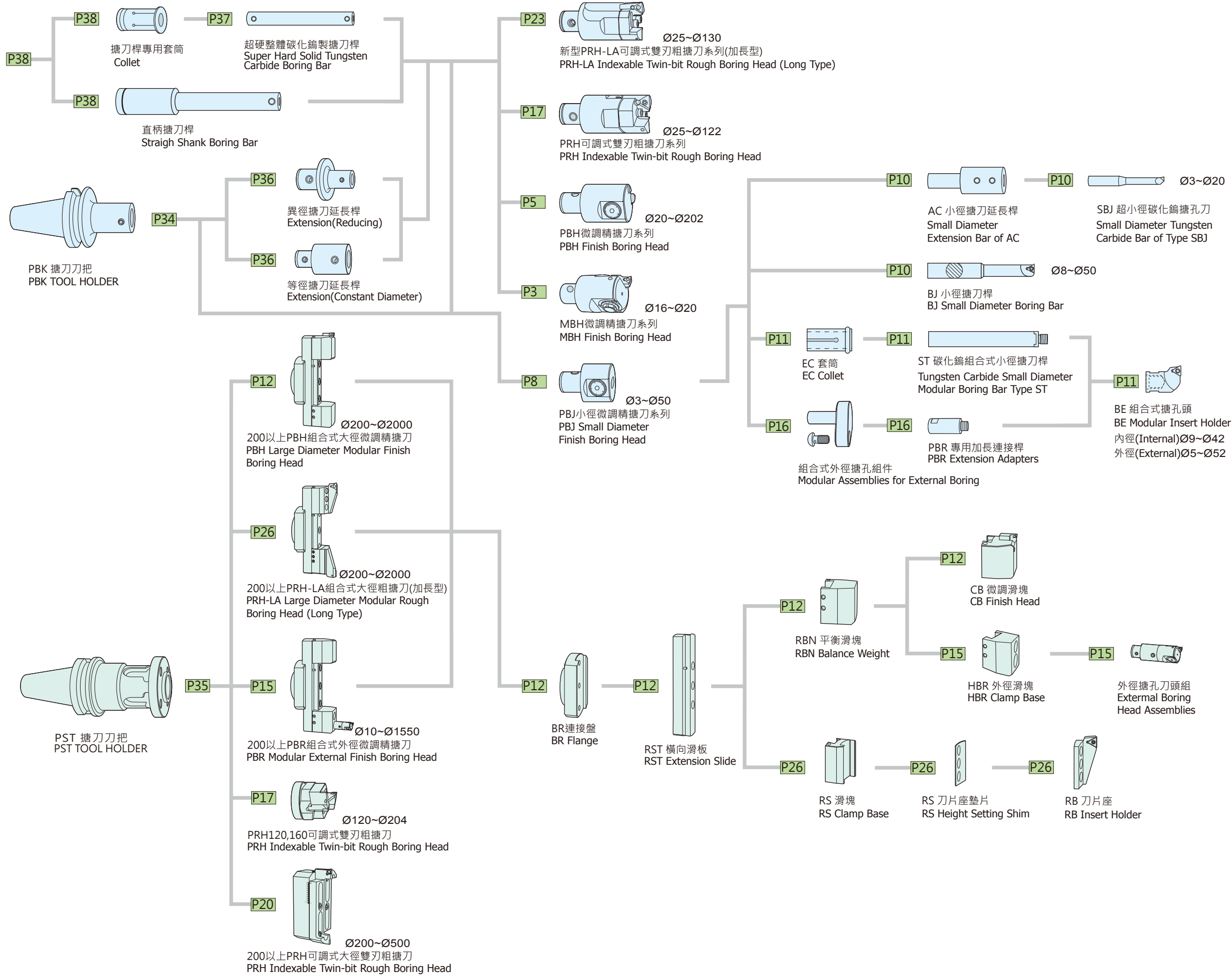
模組化搪刀系統
MODULAR BORING SYSTEMS



PBK小徑系列
PBK BORING SYSTEM



PST大徑系列
PST BORING SYSTEM



MBH微調精搪刀系列 搪孔範圍Ø16 - Ø20mm

MBH Finish Boring Head

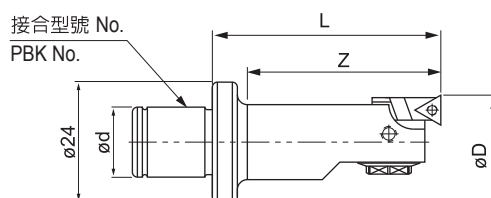
Boring Range from Ø16 - Ø20mm

特色

1. MBH精搪刀適用於精切削搪孔，工作範圍Ø16~Ø20mm均可搭配選用。
2. 調整刻度每格調整尺寸為直徑0.01mm。
3. 精密導程螺絲與螺帽均經硬化處理，堅固耐用。
4. 內藏式水孔，易於排屑與冷卻。
5. 刀片座為兩面固定無震動產生，可增加刀片壽命與加工面光滑度。

Features

1. MBH finish boring head is suitable for finish boring with working ranges from Ø16mm to Ø20mm on diameter.
2. Every division for adjustment is 0.01mm on diameter.
3. High precision lead screw and nut have been heat treated and hardened with high durability.
4. Built-in coolant nozzle easy for chip removal and work cooling.
5. 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.



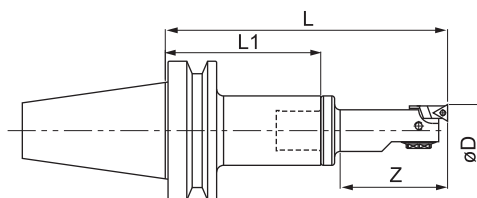
規格 Specifications:

搪頭型號 Boring Head Type	接合型號 PBK No.	Ød mm	搪孔範圍ØD mm Boring Range	搪頭長度 L Length mm	有效長 Z mm	刀片規格 / 螺絲 / 刀片扳手 Insert/Clamping Screw/Wrench	重量 kg Weight
MBH16A	PBK2	14	16-20	55	50	WCGT02/Ø2.7xM2/T6	0.09
MBH16B				80	75		0.12

MBH微調精搪刀+PBK刀把 (MAS 403BT) (與刀把組合例一)

MBH Finish Boring Head+PBK Shank (MAS 403BT)

(Tool Connection Type One)



※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PBK刀把 PBK shank	MBH刀頭 MBH boring head					
BT30-MBH16A-135	16-20	50	BT30-PBK2-080	MBH16A	2	135	80	24	0.69
BT30-MBH16B-160		75		MBH16B		160			0.72
BT40-MBH16A-140		50	BT40-PBK2-085	MBH16A		140	1.19		
BT40-MBH16B-165		75		MBH16B		165	1.22		
BT50-MBH16A-165		50	BT50-PBK2-110	MBH16A		165	3.99		
BT50-MBH16B-190		75		MBH16B		190	4.02		

※刀把詳細尺寸請參閱P.34。

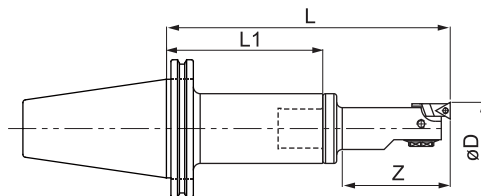
※Please refer to P.34 for detailed tool holder dimensions.

MBH微調精搪刀+PBK刀把 (DIN 69871)

MBH Finish Boring Head+PBK Shank (DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PBK刀把 PBK shank	MBH刀頭 MBH boring head					
SK40-MBH16A-135	16-20	50	SK40-PBK2-080	MBH16A	2	135	80	24	1.09
SK40-MBH16B-160		75		MBH16B		160			1.12
SK50-MBH16A-170		50	SK50-PBK2-115	MBH16A		170	2.89		
SK50-MBH16B-195		75		MBH16B		195	2.92		
SK50-MBH16A-225		50	SK50-PBK2-170	MBH16A		225	170		3.09
SK50-MBH16B-250		75		MBH16B		250			3.12

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

PBH微調精搪刀系列 搪孔範圍Ø20 - Ø202mm

PBH Finish Boring Head Boring Range from Ø20 - Ø202mm

特色

1. PBH精搪刀適用於精切削孔，工作範圍Ø20~Ø202mm均可搭配選用。
2. 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。
3. 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。
4. 內藏式水孔，刀尖直接冷卻，刀片壽命長。
5. 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。
6. PBH68以上刀片座為可更換式，方便維修，並可作為反向搪孔使用。

Features

1. PBH finish boring head is suitable for finish boring with working ranges from Ø20mm to Ø202mm on diameter.
2. The dial has been graduated into 50 divisions, each of which is 0.01mm on diameter. Available is a sub-dial for finer adjustment.
3. High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.
4. Coolant nozzle easily cools the insert elongating its working life.
5. Cartridge unit is housed in a square structure with two face support, proving high stability and rigidity.
6. Replaceable insert holder for PBH68 and the above; can be used as a reverse broing.

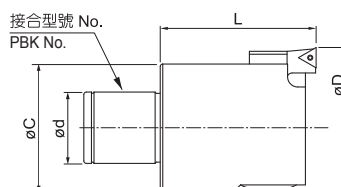


Fig.1

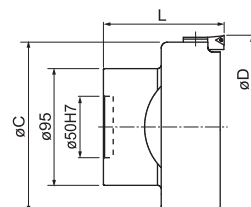


Fig.2

規格 Specifications:

搪頭型號 Boring Head Type	樣式 Fig.	接合型號 PBK No.	ØC mm	Ød mm	搪孔範圍ØD mm Boring Range	搪頭長度 mm Length	刀片規格 / 螺絲 / 刀片扳手 Insert/Clamping Screw/Wrench	重量 kg Weight
PBH20	1	PBK1	19	11	20-26	35	TB06/Ø2.7xM2/T6 TP08/Ø3.2xM2/T6 TC09/Ø3.2xM2/T6	0.1
PBH25		PBK2	24	14	25-33	40		0.2
PBH32		PBK3	31	18	32-42	50		0.3
PBH40		PBK4	39	22	40-55	60		0.5
PBH52		PBK5	50	28	52-75	70		1
PBH68	2	PBK6	64	36	68-102	95	TB06/Ø3.2xM2/T6 TP09/M2.5/T8 TC11/M2.5/T8	2
PBH100			90	36	100-152			2.9
PBH150			140	36	150-202			4.2
PBH100B		PST	90	50	100-152			3.7
PBH150B			140	50	150-202			4.9

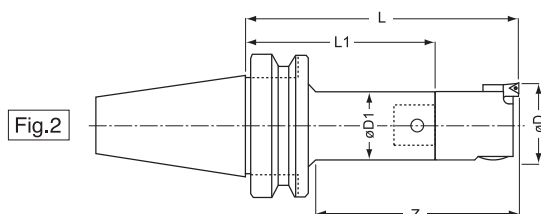
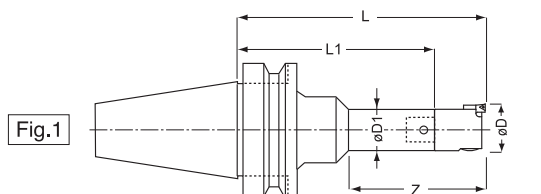
※PBH68以上刀片座為可更換式刀片座。 ※PBH68 and the above items are replaceable insert holders.

PBH微調精搪刀+PBK刀把 (MAS 403BT)

PBH Finish Boring Head+PBK Shank (MAS 403BT)

(與刀把組合例一)

(Tool Connection Type One)



PBH 微調精搪刀

FINISHING BORING TOOL HOLDER

※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

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 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG				
				PBK刀把 PBK shank	PBH刀頭 PBH boring head									
BT30-PBH20-105	2	20-26	75	BT30-PBK1-070	PBH20	1	105	70	19	0.6				
BT30-PBH25-120		25-33	90	BT30-PBK2-080	PBH25	2	120	80	24	0.8				
BT30-PBH32-120		32-42		BT30-PBK3-080	PBH32	3		31	1.0					
BT30-PBH40-120		40-55		BT30-PBK4-070	PBH40	4		39	1.3					
BT30-PBH52-120		52-75		BT30-PBK5-060	PBH52	5		50	1.8					
BT30-PBH68-130		68-102	100	BT30-PBK6-060	PBH68	6	130	64	3.0					
BT40-PBH20-110	2	20-26	75	BT40-PBK1-075	PBH20	1	110	75	19	1.1				
BT40-PBH20-140			105	BT40-PBK1-105			140	105		1.3				
BT40-PBH25-125		25-33	90	BT40-PBK2-085	PBH25	2	125	85	24	1.3				
BT40-PBH25-155			120	BT40-PBK2-115			155	115	1.6					
BT40-PBH32-135		32-42	100	BT40-PBK3-095	PBH32	3	135	95	31	1.5				
BT40-PBH32-165			130	BT40-PBK3-125			165	125		1.8				
BT40-PBH32-195			160	BT40-PBK3-155			195	155		2.0				
BT40-PBH40-135		40-55	100	BT40-PBK4-085	PBH40	4	135	85	39	1.8				
BT40-PBH40-180			145	BT40-PBK4-130			180	130		2.4				
BT40-PBH40-225			190	BT40-PBK4-175			225	175		2.7				
BT40-PBH52-135		52-75	100	BT40-PBK5-075	PBH52	5	135	75	50	2.3				
BT40-PBH52-185			150	BT40-PBK5-125			185	125		3.3				
BT40-PBH52-235			200	BT40-PBK5-175			235	175		4.0				
BT40-PBH68-135		68-102	100	BT40-PBK6-065	PBH68		135	65	64	3.3				
BT40-PBH68-185			150	BT40-PBK6-115			185	115		4.7				
BT40-PBH68-235			200	BT40-PBK6-165			235	165		5.9				
BT40-PBH100-135		100-152	100	BT40-PBK6-065	PBH100	6	135	65	64	4.2				
BT40-PBH100-185			150	BT40-PBK6-115			185	115		5.6				
BT40-PBH100-235			200	BT40-PBK6-165			235	165		6.8				
BT40-PBH150-135		150-202	100	BT40-PBK6-065	PBH150		135	65	95	5.5				
BT40-PBH150-185			150	BT40-PBK6-115			185	115		6.9				
BT40-PBH150-235			200	BT40-PBK6-165			235	165		8.1				
BT50-PBH20-150		1	20-26	75	BT50-PBK1-115	PBH20	1	150	115	31/19	4.1			
BT50-PBH20-180				105	BT50-PBK1-145			180	145		4.2			
BT50-PBH25-150		2	25-33	105	BT50-PBK2-110	PBH25	2	150	110	24	4.1			
BT50-PBH25-180				135	BT50-PBK2-140			180	140		4.2			
BT50-PBH32-165			32-42	120	BT50-PBK3-125	PBH32	3	165	125	31	4.4			
BT50-PBH32-195				150	BT50-PBK3-155			195	155		4.5			
BT50-PBH40-165			40-55	120	BT50-PBK4-115	PBH40	4	165	115	39	4.8			
BT50-PBH40-195				150	BT50-PBK4-145			195	145		4.9			
BT50-PBH40-225				180	BT50-PBK4-175			225	175		5.3			
BT50-PBH40-255				210	BT50-PBK4-205			255	205		5.4			
BT50-PBH52-165			52-75	120	BT50-PBK5-105	PBH52	5	165	105	50	5.5			
BT50-PBH52-240				195	BT50-PBK5-180			240	180		6.5			
BT50-PBH52-300				255	BT50-PBK5-240			300	240		7.2			
BT50-PBH52-360				<Ø64=255L >Ø64=315L	BT50-PBK5-300			360	300		64/50	8.6		
BT50-PBH68-165	2	68-102	120	BT50-PBK6-095	PBH68		165	95	64	6.5				
BT50-PBH68-240			195	BT50-PBK6-170			240	170		8.3				
BT50-PBH68-300			255	BT50-PBK6-230			300	230		9.6				
BT50-PBH68-360			315	BT50-PBK6-290			360	290		11.0				
BT50-PBH68-420	1		<Ø90=255L >Ø90=375L	BT50-PBK6-350			420	350	90/64	15.5				
PBT50-PBH68-420	2	100-152	375	PBT50-PBK6-350	PBH100	6	420	350	64	13.2				
BT50-PBH100-165			120	BT50-PBK6-095			165	95		7.4				
BT50-PBH100-240			195	BT50-PBK6-170			240	170		9.2				
BT50-PBH100-300			255	BT50-PBK6-230			300	230		10.5				
BT50-PBH100-360			315	BT50-PBK6-290			360	290		11.9				
BT50-PBH100-420			375	BT50-PBK6-350			420	350		90/64	16.4			
PBT50-PBH100-420	2	100-152	375	PBT50-PBK6-350	PBH100B	PST	420	350	64	14.1				
BT50-PBH100B-195			150	BT50-PST-100			195	100	8.8					
BT50-PBH100B-245			200	BT50-PST-150			245	150	10.5					
BT50-PBH100B-295			250	BT50-PST-200			295	200	13.3					
BT50-PBH100B-345			300	BT50-PST-250			345	250	15.2					
BT50-PBH100B-395			350	BT50-PST-300			395	300	18.1					
BT50-PBH100B-445			400	BT50-PST-350			445	350	20.5					
BT50-PBH100B-495			450	BT50-PST-400			495	400	23.0					
BT50-PBH150-165	2	150-202	120	BT50-PBK6-095	PBH150	6	165	95	64	8.7				
BT50-PBH150-240			195	BT50-PBK6-170			240	170		10.5				
BT50-PBH150-300			255	BT50-PBK6-230			300	230		11.8				
BT50-PBH150-360			315	BT50-PBK6-290			360	290		13.2				
BT50-PBH150-420			375	BT50-PBK6-350			420	350	90/64	17.7				
PBT50-PBH150-420			375	PBT50-PBK6-350			420	350	64	15.4				
BT50-PBH150B-195			2	150-202			150	BT50-PST-100	PBH150B	PST	195	100	95	10.0
BT50-PBH150B-245							200	BT50-PST-150			245	150		11.7
BT50-PBH150B-295							250	BT50-PST-200			295	200		14.5
BT50-PBH150B-345							300	BT50-PST-250			345	250		16.4
BT50-PBH150B-395	350	BT50-PST-300			395	300	19.3							
BT50-PBH150B-445	400	BT50-PST-350			445	350	21.7							
BT50-PBH150B-495	450	BT50-PST-400			495	400	24.2							

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

※刀把詳細尺寸請參閱P.34。

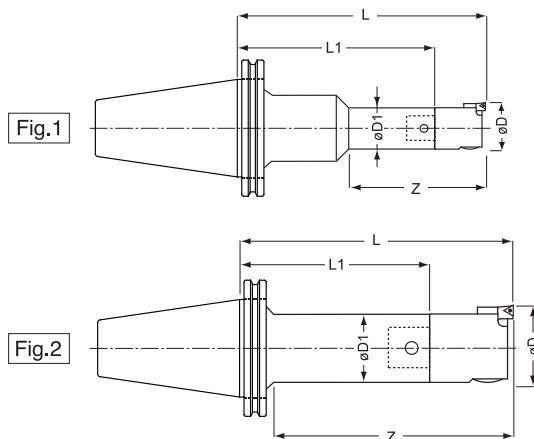
※Please refer to P.34 for detailed tool holder dimensions.

PBH微調精搪刀+PBK刀把 (DIN 69871)

PBH Finish Boring Head+PBK Shank (DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

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 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG
				PBK刀把 PBK shank	PBH刀頭 PBH boring head					
SK40-PBH20-110	2	20-26	81	SK40-PBK1-075	PBH20	1	110	75	19	1.0
SK40-PBH25-120		25-33	92	SK40-PBK2-080	PBH25	2	120	80	24	1.2
SK40-PBH32-135		32-42	108	SK40-PBK3-095	PBH32	3	135	95	31	1.5
SK40-PBH40-135		40-55	110	SK40-PBK4-085	PBH40	4	135	85	39	1.8
SK40-PBH52-135		52-75	110	SK40-PBK5-075	PBH52	5	135	75	49	2.5
SK40-PBH68-135		68-102	100	SK40-PBK6-065	PBH68	6	135	65	64	3.4
SK40-PBH100-135		100-152	100		PBH100					4.3
SK40-PBH150-135		150-202	100		PBH150					5.6
SK50-PBH20-150	1	20-26	90	SK50-PBK1-115	PBH20	1	150	115	19	3.0
SK50-PBH25-155	2	25-33	123	SK50-PBK2-115	PBH25	2	155	115	24	3.0
SK50-PBH25-210			178	SK50-PBK2-170			210	170		3.2
SK50-PBH32-165		32-42	135	SK50-PBK3-125	PBH32	3	165	125	31	3.3
SK50-PBH32-225			195	SK50-PBK3-185			225	185		3.6
SK50-PBH40-165		40-55	137	SK50-PBK4-115	PBH40	4	165	115	39	3.7
SK50-PBH40-255			227	SK50-PBK4-205			255	205		4.4
SK50-PBH52-165		52-75	139	SK50-PBK5-105	PBH52	5	165	105	49	4.6
SK50-PBH52-360			112	SK50-PBK5-300			360	300		9.2
SK50-PBH68-165	2	68-102	140	SK50-PBK6-095	PBH68	6	165	95	64	6.0
SK50-PBH68-300			275	SK50-PBK6-230			300	230		9.0
SK50-PBH68-370			345	SK50-PBK6-300			370	300		10.6
SK50-PBH100-165		100-152	140	SK50-PBK6-095	PBH100		165	95		6.9
SK50-PBH100-300			275	SK50-PBK6-230			300	230		9.9
SK50-PBH100-370			345	SK50-PBK6-300			370	300		11.5
SK50-PBH150-165		150-202	140	SK50-PBK6-095	PBH150		165	95		8.2
SK50-PBH150-300			275	SK50-PBK6-230			300	230		11.2
SK50-PBH150-370			345	SK50-PBK6-300			370	300		12.8
SK50-PBH100B-195		100-152	173	SK50-PST-100	PBH100B	PST	195	100	95	7.9
SK50-PBH100B-245			223	SK50-PST-150			245	150		9.1
SK50-PBH100B-295			273	SK50-PST-200			295	200		11.8
SK50-PBH100B-345			323	SK50-PST-250			345	250		13.7
SK50-PBH100B-395			373	SK50-PST-300			395	300		15.6
SK50-PBH150B-195		150-202	173	SK50-PST-100	PBH150B		195	100		9.1
SK50-PBH150B-245			223	SK50-PST-150			245	150		10.3
SK50-PBH150B-295			273	SK50-PST-200			295	200		13.0
SK50-PBH150B-345			323	SK50-PST-250			345	250		14.9
SK50-PBH150B-395			373	SK50-PST-300			395	300		16.8

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

PBJ小徑微調精搪刀系列 搪孔範圍Ø3 - Ø50mm

PBJ Small Diameter Finish Boring Head

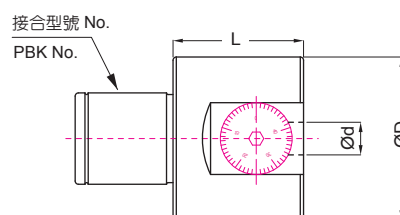
Boring Range from Ø3 - Ø50mm

特色

1. PBJ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。
2. 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。
3. 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。

Features

1. 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.
2. The dial has been graduated into 50 divisions, each of which is 0.01mm on diameter. Available is a sub-dial for finer adjustment.
3. High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.



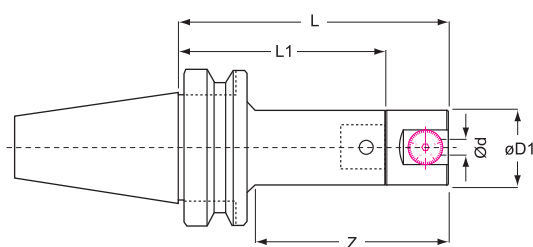
規格 Specifications:

搪頭型號 Boring Head Type	接合型號 PBK 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
PBJ 4	PBK4	10	39	32	0 - 2.0	0.4
PBJ 5	PBK5	12	50	40	0 - 3.5	0.8
PBJ 6	PBK6	16	64	50	0 - 5.0	1.4
MSD 16	PBK6	16	64	50	0 - 5.0	1.4

※MSD16調整刻度為圓周100等分。

PBJ小徑微調精搪刀 + PBK刀把 (MAS 403 BT)+小徑搪刀桿BJ系列 (與刀把組合例一)

PBJ Small Diameter Finish Boring Head + PBK Shank (MAS 403 BT) + Tool Extension Type BJ (Tool Connection Type One)



※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

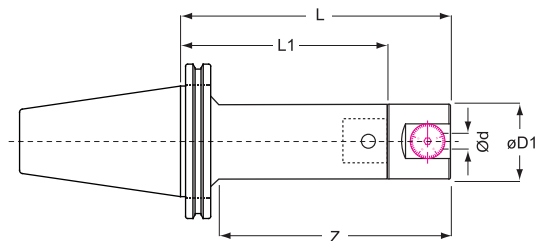
型號 Type	移動量 F mm	延伸長 Z	組合內容 Tool Connection			接合型號 PBK No.	全長 L	刀把長 L1	外徑 ØD1	重量 KG
			PBK刀把 PBK shank	PBJ刀頭	小徑搪刀桿					
BT30-PBJ4-BJ10-5PCS	0-2.0	70	BT30-PBK4-070	PBJ4	BJ10-5PCS	4	102	70	39	1.9
BT30-PBJ5-BJ12-5PCS	0-3.5	70	BT30-PBK5-060	PBJ5	BJ12-5PCS	5	100	60	50	2.3
BT30-PBJ6-BJ16-8PCS	0-5.0	80	BT30-PBK6-060	PBJ6	BJ16-8PCS	6	110	60	64	4.6
BT40-PBJ4-BJ10-5PCS	0-2.0	75	BT40-PBK4-085	PBJ4	BJ10-5PCS	4	117	85	39	2.4
BT40-PBJ5-BJ12-5PCS	0-3.5	75	BT40-PBK5-075	PBJ5	BJ12-5PCS	5	115	75	50	2.8
BT40-PBJ6-BJ16-8PCS	0-5.0	75	BT40-PBK6-065	PBJ6	BJ16-8PCS	6	115	65	64	4.9
BT50-PBJ4-BJ10-5PCS	0-2.0	95	BT50-PBK4-115	PBJ4	BJ10-5PCS	4	147	115	39	5.4
BT50-PBJ5-BJ12-5PCS	0-3.5	95	BT50-PBK5-105	PBJ5	BJ12-5PCS	5	145	105	50	6.0
BT50-PBJ6-BJ16-8PCS	0-5.0	95	BT50-PBK6-095	PBJ6	BJ16-8PCS	6	145	95	64	8.1

※刀把詳細尺寸請參閱P.34。

※Please refer to P.34 for detailed tool holder dimensions.

PBJ小徑微調精搪刀 + PBK刀把 (DIN 69871)+小徑搪刀桿BJ系列 (與刀把組合例二)

PBJ Small Diameter Finish Boring Head + PBK Shank (DIN 69871) + Tool Extension Type BJ (Tool Connection Type Two)

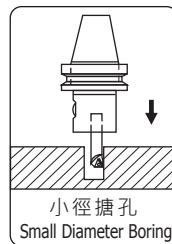
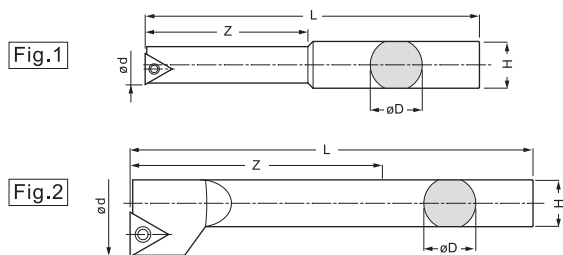


規格 Specifications:

型 號 Type	移動量 F mm	延伸長 Z	組 合 內 容 Tool Connection			接合型號 PBK No.	全 長 L	刀把長 L1	外 徑 ØD1	重 量 KG
			PBK刀把 PBK shank	PBJ刀頭	小徑搪刀桿					
SK40-PBJ4-BJ10-5PCS	0-2.0	92	SK40-PBK4-085	PBJ4	BJ10-5PCS	4	117	85	39	2.4
SK40-PBJ5-BJ12-5PCS	0-3.5	90	SK40-PBK5-075	PBJ5	BJ12-5PCS	5	115	75	49	3.0
SK40-PBJ6-BJ16-8PCS	0-5.0	80	SK40-PBK6-065	PBJ6	BJ16-8PCS	6	115	65	64	5.0
SK50-PBJ4-BJ10-5PCS	0-2.0	119	SK50-PBK4-115	PBJ4	BJ10-5PCS	4	147	115	39	4.3
SK50-PBJ5-BJ12-5PCS	0-3.5	119	SK50-PBK5-105	PBJ5	BJ12-5PCS	5	145	105	49	5.1
SK50-PBJ6-BJ16-8PCS	0-5.0	120	SK50-PBK6-095	PBJ6	BJ16-8PCS	6	145	95	64	7.6

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.



PBJ4專用小徑搪刀桿BJ型 Fine Boring Bar Type BJ (for PBJ4)

搪孔範圍Boring Range Ø8-Ø24mm

型號 Type	Fig.	H (mm)	ød (mm)	L (mm)	Z (mm)	øD (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench	本體重量 Weight (kg)
BJ1008-32	1	10	8-10	64	32	9	TB..0601..	Ø2.7xM2	T6	0.025
BJ1010-40			10-12	72	40					0.035
BJ1012-45			12-16	77	27					0.045
BJ1016-45	2		16-20	77	27		TP..0902..			0.045
BJ1020-45			20-24	77	27					0.045
※BJ10-5PCS	BJ1008-32		BJ1010-40		BJ1012-45		BJ1016-45		BJ1020-45	

PBJ5專用小徑搪刀桿BJ型 Fine Boring Bar Type BJ (for PBJ5)

搪孔範圍Boring Range Ø8-Ø25mm

型號 Type	Fig.	H (mm)	ød (mm)	L (mm)	Z (mm)	øD (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench	本體重量 Weight (kg)
BJ1208-32	1	12	8-10	64	32	9	TB..0601..	Ø2.7xM2	T6	0.035
BJ1210-40			10-12	72	40					0.045
BJ1212-45			12-16	77	45					0.055
BJ1216-45	2		16-20	77	22		TP..0902..			0.060
BJ1220-45			20-25	77	25					0.065
※BJ12-5PCS	BJ1208-32		BJ1210-40		BJ1212-45		BJ1216-45		BJ1220-45	

PBJ6專用小徑搪刀桿BJ型 Fine Boring Bar Type BJ (for PBJ6)

搪孔範圍 Boring Range Ø8-Ø50mm

型號 Type	Fig.	H (mm)	ød (mm)	L (mm)	Z (mm)	øD (mm)	刀片規格 Insert	螺絲 Clamp Screw	扳手 Wrench	本體重量 Weight (kg)
BJ1606-24	1	16	6-8	76	24	15	WB..0601..	Ø2.7xM2	T6	0.070
BJ1608-32			8-10		32					0.065
BJ1610-40			10-12	75	40		TB..0601..			0.075
BJ1612-53			12-16	85	53					0.085
BJ1616-68			16-20	100	68		TP..0902..	M2.5	T8	0.125
BJ1620-83			20-25	115	83					0.170
BJ1625-90	2		25-30		90					0.185
BJ1630-90			30-40	122	90					0.190
BJ1640-90			40-50		90					0.205
※BJ16-8PCS	BJ1608-32		BJ1610-40		BJ1612-53		BJ1616-68		BJ1640-90	
	BJ1620-83		BJ1625-90		BJ1630-90					

※表示盒裝包裝

※In Box Package

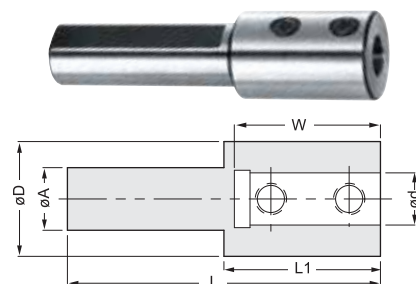
※切削加工時，小徑搪刀桿以3倍直徑伸出量為佳。

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

PBJ系列專用小徑搪刀延長桿AC型

Extension Adapter for Small Diameter Boring Bar
Dedicated to PBJ Series Type AC

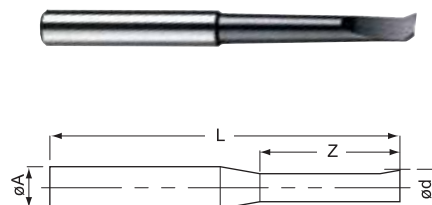
型號 Type	柄徑 øA(mm)	外徑External Dia. øD (mm)	內徑 ød(mm)	延伸長度 L1 (mm)	孔深 W (mm)	全長Length L (mm)	重量Weight (kg)
AC1006-30	10	18	6	30	25	55	0.060
AC1206-35	12	22	6	35	25	65	0.120
AC1210-35	12	22	10	35	30	65	0.105
AC1606-35	16	16	6	35	25	85	0.120
AC1610-35	16	22	10	35	30	85	0.145



PBJ系列專用超小徑碳化鎢搪孔刀SBJ型

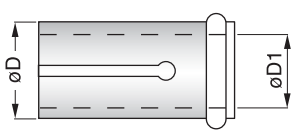
Super Fine Diameter Tungsten Carbide Boring Bar
Dedicated to PBJ Series Type SBJ

型 號 Type	搪孔範圍 Boring Range				柄徑 øA	有效長 Length Z (mm)	總 長 Total Length L (mm)	重量 Weight (kg)
	最小加工直徑 ød min	最大加工直徑 ød max						
		PBJ4	PBJ5	PBJ6				
SBJ0603-15	3	7	10	13	6	15	50	0.015
SBJ0604-20	4	8	11	14	6	20	50	0.015
SBJ0605-25	5	9	12	15	6	25	60	0.020
SBJ0606-30	6	10	13	16	6	30	60	0.020
SBJ1008-35	8	12	15	18	10	35	75	0.055
SBJ1010-40	10	14	17	20	10	40	75	0.060



碳化鎢組合式小徑搪刀桿專用套筒EC型

Collet for Tungsten Carbide small Diameter Modular Boring Bar Series Type EC

	型號 Type	外徑 ØD (mm)	內徑 ØD1 (mm)	適用鎢鋼刀桿 Applicable Carbide Tool Holder	重量 Kg Weight
	EC1606	16	6	SBJ06xx	0.030
	EC1608	16	8	ST08	0.055
	EC1610	16	10	ST10	0.040
	EC1612	16	12	ST12	0.035
	EC1614	16	14	ST14	0.025



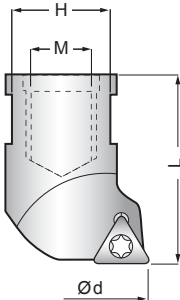
碳化鎢組合式小徑搪刀桿ST型

Tungsten Carbide Small Diameter Modular Boring Bar Type ST

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	重量 Kg Weight
ST08-W5-100L	100	8	M5	BE09A, BE10.5A	EC1608	0.095
ST10-W6-110L	110	10	M6	BE12A	EC1610	0.14
ST12-W6-120L	120	12		BE14A, BE16A	EC1612	0.24
ST14-W6-160L	160	14		BE16A	EC1614	0.35
ST16-W10-160L	160	16	M10	BE18A, BE20A, BE22A, BE24A BE26A, BE28A, BE30A, BE32A BE34A, BE36A, BE38A, BE40A	----	0.46

組合式搪孔頭BE型 搪孔範圍 Ø9-Ø42mm

Modular Insert Holder Type BE Boring Range from Ø9 - Ø42mm



Technical drawing of a BE series insert holder. The drawing shows a side view of the holder with a dashed line indicating the internal cavity. Dimensions are labeled: H is the total height, M is the height of the top flange, and Ød is the diameter of the bottom hole. A small detail of the insert is shown in the bottom right corner.

型號 Type	Ød (mm)	H (mm)	L (mm)	M (mm)	刀片規格 Insert	螺 絲 Clamping Screw	扳 手 Wrench	重量 Kg Weight
BE09A	9-11	7	18	M5	TP..0802..	Ø3.2xM2	T6	0.02
BE10.5A	10.5-12.5			0.02				
BE12A	12-14	8	23	M6				0.02
BE14A	14-16	10						0.025
BE16A	16-18							0.025
BE18A	18-20	14	27	M10				0.03
BE20A	20-22							0.04
BE22A	22-24							0.04
BE24A	24-26							0.04
BE26A	26-28							0.04
BE28A	28-30							0.04
BE30A	30-32							0.04
BE32A	32-34							0.04
BE34A	34-36							0.04
BE36A	36-38							0.04
BE38A	38-40							0.045
BE40A	40-42							0.045

Ø200以上PBH組合式大徑微調精搪刀系列

搪孔範圍 Ø200 - Ø2000mm

PBH Large Diameter Modular Finish Boring Head with Diameter over Ø200mm Boring Range from Ø200 - Ø2000mm

特色

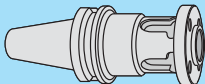
1. 通用Ø200~Ø2000mm大型孔徑加工使用。
2. 粗、精搪刀使用同基礎組件，且可另選配附件搭配使用。
加工調整範圍為直徑110mm。PBH600與900調整範圍為
Ø300mm，PBH1200以上為Ø400mm。
3. 刀片座為可更換式。
4. 可依客戶需求訂製2M以上規格。

Features

1. This type is suitable for large diameter boring with ranges from Ø200mm to Ø2000mm.
2. 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 both PBH600 and PBH900 is Ø300mm, and PBH1200 above are Ø400mm.
3. Replaceable insert holders.
4. Boring head can be ordered according to client's requirements above 2M specification.



規格 Specifications:

搪頭型號 Boring Head Type	型 號 Type		PBH200	PBH300	PBH400	PBH500	PBH600	PBH900	PBH1200	PBH1600
	長 度 Length (mm)		130	130	130	130	150	150	180	180
	整組重量 Total Weight (kg)		7	7.8	8.6	9.4	15.8	22.1	34.6	39.8
	加工直徑 Boring Diameter øD (mm)		200-310	300-410	400-510	500-610	600-900	900-1200	1200-1600	1600-2000
組 合 型 式 Module	接合刀把 Taper Shank		BT50-PST / NT50-PST 系列 BT50-PST / NT50-PST Series				BT50-FMA-47.625			
	連接盤 Flange		BR200				BR600	BR900	BR1200	BR1600
	重量 (kg) Weight		合金鋼 Alloy Steel				鋁合金Alum. Alloy			
	橫向滑板(鋁合金) Extension Slide Alum. Alloy		RST200	RST300	RST400	RST500	RST300 x 2 pcs	RST400 x 2 pcs	RST500 x 2 pcs	
	鋁合金重量 (kg) Alum. Alloy Weight		1.1	1.9	2.7	3.5	3.8	5.4	7	
	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/Ø3.2xM2/T6, TP09/M2.5/T8, TC11/M2.5/T8							

Ø200mm以上PBH大孔徑微調精搪刀+PST刀把 (MAS 403 BT)

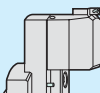
(與刀把組合例一)

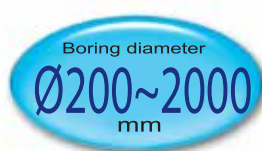
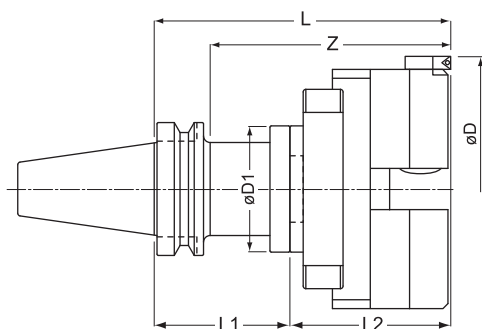
PBH Large Diameter Modular Finish Boring Head +PST Shank (MAS 403 BT)

(Tool Connection Type One)

搪孔範圍 Ø200-Ø2000mm

Boring Range from Ø200-Ø2000mm

	搪頭型號 Boring Head Type	接合型號 PST No.	搪孔範圍 øD(mm) Boring Range	搪頭長度 L2 mm	刀片規格 / 螺絲/ 刀片扳手 Insert/Clamping Screw/Wrench	重量 (kg) Weight
	PBH200	PST 系列 PST Series	200-310	130	可更換式刀片座 Replaceable insert holder TP08/Ø3.2xM2/T6 TP09/M2.5/T8 TC11/M2.5/T8	7.0
	PBH300		300-410			7.8
	PBH400		400-510			8.6
	PBH500		500-610			9.4
	PBH600	FMA-47.625	600-900	150		15.8
	PBH900		900-1200			22.1
	PBH1200		1200-1600	180		34.6
	PBH1600		1600-2000			39.8



※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把 PST shank	PBH刀頭 PBH boring head					
BT50-PBH200-230	200-310	185	BT50-PST-100	PBH200	PST	230	100	95	12.1
BT50-PBH200-280		235	BT50-PST-150			280	150		13.8
BT50-PBH200-330		285	BT50-PST-200			330	200		16.5
BT50-PBH200-380		335	BT50-PST-250			380	250		18.5
BT50-PBH200-430		385	BT50-PST-300			430	300		21.4
BT50-PBH200-480		435	BT50-PST-350			480	350		23.8
BT50-PBH200-530		485	BT50-PST-400			530	400		26.3
BT50-PBH300-230	300-410	185	BT50-PST-100	PBH300		230	100		12.9
BT50-PBH300-280		235	BT50-PST-150			280	150		14.6
BT50-PBH300-330		285	BT50-PST-200			330	200		17.3
BT50-PBH300-380		335	BT50-PST-250			380	250		19.3
BT50-PBH300-430		385	BT50-PST-300			430	300		22.2
BT50-PBH300-480		435	BT50-PST-350			480	350		24.6
BT50-PBH300-530		485	BT50-PST-400			530	400		27.1
BT50-PBH400-230	400-510	185	BT50-PST-100	PBH400		230	100		13.7
BT50-PBH400-280		235	BT50-PST-150			280	150		15.4
BT50-PBH400-330		285	BT50-PST-200			330	200		18.1
BT50-PBH400-380		335	BT50-PST-250			380	250		20.1
BT50-PBH400-430		385	BT50-PST-300			430	300		23.0
BT50-PBH400-480		435	BT50-PST-350			480	350		25.4
BT50-PBH400-530		485	BT50-PST-400			530	400		27.9
BT50-PBH500-230	500-610	185	BT50-PST-100	PBH500		230	100		14.5
BT50-PBH500-280		235	BT50-PST-150			280	150		16.2
BT50-PBH500-330		285	BT50-PST-200			330	200		18.9
BT50-PBH500-380		335	BT50-PST-250			380	250		20.9
BT50-PBH500-430		385	BT50-PST-300			430	300		23.8
BT50-PBH500-480		435	BT50-PST-350			480	350		26.2
BT50-PBH500-530		485	BT50-PST-400			530	400		28.7
BT50-PBH600-230	600-900	185	BT50-FMA47.625-075	PBH600	FMA 47.625	225	75	128	22.8
BT50-PBH900-230	900-1200			PBH900					29.1
BT50-PBH1200-260	1200-1600	215		PBH1200		255			41.6
BT50-PBH1600-260	1600-2000			PBH1600					46.8

※刀把詳細尺寸請參閱P.34。

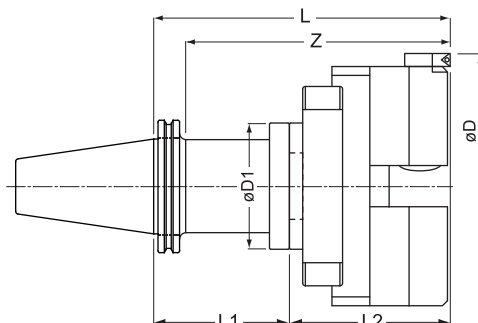
※Please refer to P.34 for detailed tool holder dimensions.

Ø200mm以上PBH大孔徑微調精搪刀+PST刀柄 (DIN 69871)

PBH Large Diameter Modular Finish Boring Head +PST Shank (DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把 PST shank	PBH刀頭 PBH boring head					
SK50-PBH200-230	200-310	208	SK50-PST-100	PBH200	PST	230	100	95	11.2
SK50-PBH200-280		258	SK50-PST-150			280	150		12.4
SK50-PBH200-330		308	SK50-PST-200			330	200		15.1
SK50-PBH200-380		358	SK50-PST-250			380	250		17.0
SK50-PBH200-430		408	SK50-PST-300			430	300		18.9
SK50-PBH300-230	300-410	208	SK50-PST-100	PBH300		230	100		12.0
SK50-PBH300-280		258	SK50-PST-150			280	150		13.2
SK50-PBH300-330		308	SK50-PST-200			330	200		15.9
SK50-PBH300-380		358	SK50-PST-250			380	250		17.8
SK50-PBH300-430		408	SK50-PST-300			430	300		19.7
SK50-PBH400-230	400-510	208	SK50-PST-100	PBH400		230	100		12.8
SK50-PBH400-280		258	SK50-PST-150			280	150		14.0
SK50-PBH400-330		308	SK50-PST-200			330	200		16.7
SK50-PBH400-380		358	SK50-PST-250			380	250		18.6
SK50-PBH400-430		408	SK50-PST-300			430	300		20.5
SK50-PBH500-230	500-610	208	SK50-PST-100	PBH500		230	100		13.6
SK50-PBH500-280		258	SK50-PST-150			280	150		14.8
SK50-PBH500-330		308	SK50-PST-200			330	200		17.5
SK50-PBH500-380		358	SK50-PST-250			380	250		19.4
SK50-PBH500-430		408	SK50-PST-300			430	300		21.3

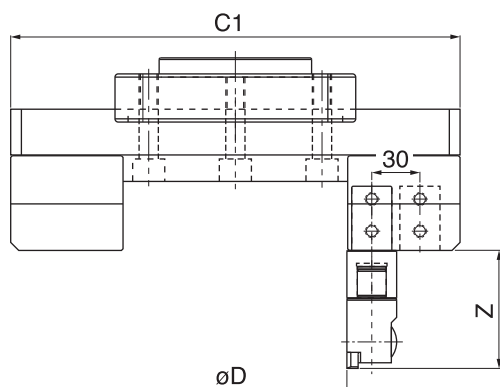
※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

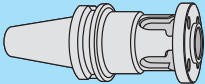
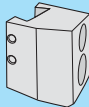
Ø200以上PBR組合式外徑微調精搪刀系列 外徑加工範圍 Ø10 - Ø1550mm

PBR Modular External Finish Boring Head

Boring Range from Ø10 - Ø1550mm

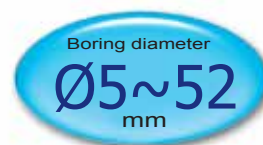
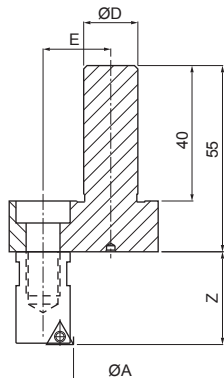


規格 Specifications:

搪頭型號 Boring Head Type	型 號 Type		PBR200	PBR300	PBR400	PBR500	PBR600	PBR900	PBR1200	PBR1600
	搪頭長度 L2 (mm)		190/220							
	有效長 Z (mm)		70/100							
	C1 (mm)		180	280	380	480	580	880	1180	1580
	整組重量(kg) Total Weight (kg)		7	8	8.8	9.6	16	22.3	35	40
	加工直徑 Boring Diameter øD (mm)		10-150	10-250	10-350	10-450	200-550	200-850	400-1150	800-1550
組合式 Module Type	接合刀把 Taper Shank		BT50-PST-100L				BT50-FMA-47.625			
	連接盤 Flange		BR200				BR600	BR900	BR1200	BR1600
	重量 (kg) Weight		合金鋼 Alloy Steel				鋁合金 Alum. Alloy			
			2.7 kg				8.8	13.5	24.4	29.6
	橫向滑板(鋁合金) Extension Slide Alum. Alloy		RST200	RST300	RST400	RST500	RST300 x 2 pcs	RST400 x 2 pcs	RST500 x 2 pcs	
	重量 (kg) Weight		1.1	1.9	2.7	3.5	3.8	5.4	7	
	平衡滑塊 Balance Weight		RBN200							
	重量 (kg) Weight		1.6 kg							
	外徑滑塊 Clamp Base		HBR200							
	重量 (kg) Weight		1.3 kg							
	外徑用接桿 Adapter for External Boring		C25-PBK3-30				C25-PBK3-60			
	重量 (kg) Weight		0.3				0.5			
	接合刀頭 Applicable Boring Heads		PBH32							

PBR20, PBR30組合式外徑搪孔組件 搪孔範圍Ø5-Ø52mm

PBR20、PBR30 Modular Assemblies for External Boring Boring Range from Ø5 - Ø52mm



規格 Specifications:

型號 Type	搪孔頭BE型	外徑搪孔範圍 ØA (mm)	偏心距離 E(mm)	有效深 Z (mm)	柄徑 ØD (mm)	刀片規格 螺絲/扳手	重量Kg Weight
C16-PBR20 C20-PBR20	BE 36A	5 - 14	20	27	16/20	TP08/ M3.2xM2/ T6	0.16
	BE 34A	7 - 16					
	BE 32A	9 - 18					
	BE 30A	11 - 20					
	BE 28A	13 - 22					0.195
	BE 26A	15 - 24					
	BE 24A	17 - 26					
	BE 22A	19 - 28					
C16-PBR30 C20-PBR30	BE 20A	21 - 30	30	27	16/20	TP08/ M3.2xM2/ T6	0.25
	BE 18A	23 - 32					
	BE 36A	25 - 34					
	BE 34A	27 - 36					
	BE 32A	29 - 38					0.285
	BE 30A	31 - 40					
	BE 28A	33 - 42					
	BE 26A	35 - 44					
C20-PBR30	BE 24A	37 - 46					
	BE 22A	39 - 48					
	BE 20A	41 - 50					
	BE 18A	43 - 52					

※C16-PBR20、PBR30 為 PBJ6 搪孔器專用搪外徑組件

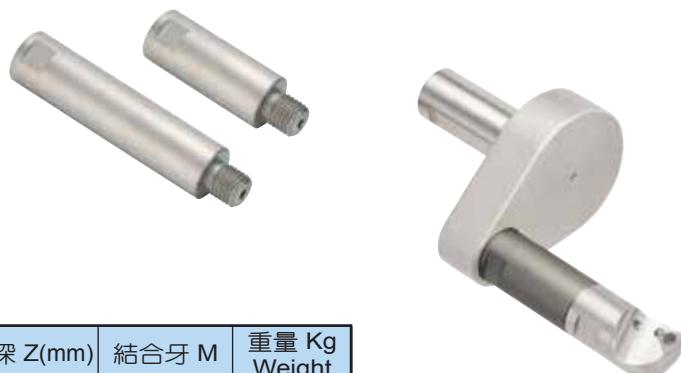
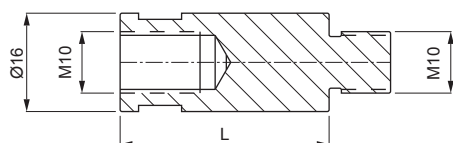
※C16-PBR20、PBR30 are the external boring assemblies for PBJ6 boring system.

※C20-PBR20、PBR30 為 PBH2084 搪孔器專用搪外徑組件

※C20-PBR20、PBR30 are the external boring assemblies for PBH2084 boring system.

PBR20, PBR30專用加長連接桿

Extension Adapters for PBR20、PBR30



型號 Type	適用搪孔頭	桿長 L(mm)	有效深 Z(mm)	結合牙 M	重量 Kg Weight
PBRM10-34	BE18A-BE36A	34	61	M10	0.45
PBRM10-64		64	91		0.95

PRH可調式雙刃粗搪刀系列 搪孔範圍 Ø25 - Ø204mm

PRH Indexable Twin-bit Rough Boring Head Boring Range from 25 - 204mm

特色

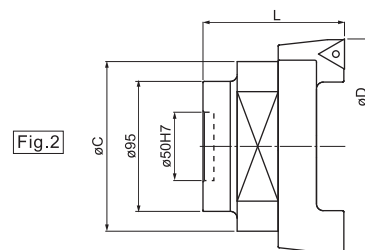
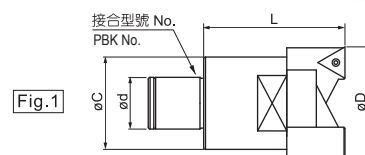
- 適用單刃搪孔，雙刃搪孔及高低階搪孔。搪孔範圍Ø25~Ø204mm。
- 新型刀刀滑座設計，刀背補強。加工時，滑座承受的兩個作用力相互抵消，產生最大剛性和切削力。適合各形態的搪孔作業。
- 可依照各種不同加工需求，輕易調整搪刀，做少量多樣的加工。加工深度可配合延長桿延伸至所需長度。
- 清晰的側邊刻度，協助使用者輕易調整到所需的範圍，無須在刀具設定儀上預設。
- 最適合在各型切削中心機或搪床上配合使用，並可搭配各種廠牌相同規格的指定刀片，節省刀具研磨時間並大幅增加搪孔效率。
- 專利高低段差設計，平刃或高低刃均可採用。
- PRH120與PRH160為可更換式刀片座

Features

- The head is suitable for single bit boring, twin-bit boring and step boring with working diameter from 25mm to 204mm 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.
- PRH120 and PRH160 are replaceable insert holders.

規格 Specifications:

搪頭型號 Boring Head Type	樣式 Fig	接合型號 PBK No.	搪孔範圍ØDmm Boring Range	L mm	ØC mm	Ød mm	刀片規格 Insert	重量 kg Weight
PRH25-33-C	1	PBK2	25~33	45	24	14	CCMT060204	0.15
PRH32-42-C		PBK3	32~42	55	31	18	CCMT060204	0.3
PRH32-42-T							TCMT110204	
PRH40-55-C		PBK4	40~55	65	39	22	CCMT09T304	0.5
PRH40-55-T							TCMT16T304	
PRH40-55-S							SCMT09T304	
PRH52-70-C		PBK5	52~70	75	50	28	CCMT09T304	1
PRH52-70-T							TCMT16T304	
PRH52-70-S							SCMT09T304	
PRH68-92-C		PBK6	68~92	85	64	36	CCMT120408	2
PRH68-92-T							TCMT16T304	
PRH68-92-S							SCMT120404	
PRH90-122-C			90~122	100	80	36	CCMT120408	2.9
PRH90-122-T							TCMT220408	
PRH90-122-S							SCMT120404	
PRH120-164-C	2	PST Series	120~164	95	100	50	CCMT120408	4.3
PRH120-164-T							TCMT220408	
PRH120-164-S							SCMT120404	
PRH160-204-C			160~204	130	100	50	CCMT120408	5.3
PRH160-204-T							TCMT220408	
PRH160-204-S							SCMT120404	



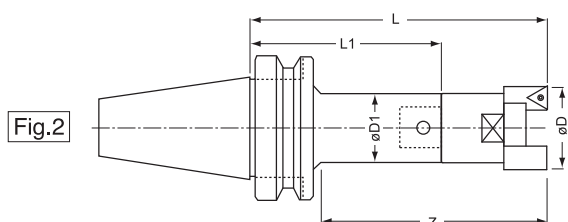
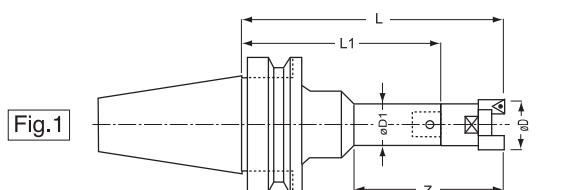
刀片選用說明	C Type		剛性較 T 型佳，可加工盲孔	T Type		刀片可利用邊數較 C 型多，可加工盲孔	S Type		刀片剛性最佳，但適合加工通孔
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PRH可調式雙刃粗搪刀+PBK刀把 (MAS 403BT)

PRH Indexable Twin-bit Rough Boring Head + PBK Shank (MAS 403BT)

(與刀把組合例一)

(Tool Connection Type One)



※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

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 PBK No.	全 長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
				PBK刀把 PBK shank	PRH刀頭PRH boring head					
BT30-PRH25-125	2	25-33	95	BT30-PBK2-080	PRH25	2	125	80	24	0.8
BT30-PRH32-135		32-42	105	BT30-PBK3-080	PRH32	3	135		31	1.0
BT30-PRH40-135		40-55		BT30-PBK4-070	PRH40	4		39	1.3	
BT30-PRH52-135		52-70		BT30-PBK5-060	PRH52	5		50	1.8	
BT30-PRH68-145		68-92	115	BT30-PBK6-060	PRH68	6	145	60	3.0	
BT30-PRH90-160		90-122	130		PRH90		160	64	3.9	
BT40-PRH25-130	2	25-33	95	BT40-PBK2-085	PRH25	2	130	85	24	1.3
BT40-PRH25-160			125	BT40-PBK2-115			160	115		1.6
BT40-PRH32-150		32-42	115	BT40-PBK3-095	PRH32	3	150	95	31	1.5
BT40-PRH32-180			145	BT40-PBK3-125			180	125		1.8
BT40-PRH32-210			175	BT40-PBK3-155			210	155		2.0
BT40-PRH40-150		40-55	115	BT40-PBK4-085	PRH40	4	150	85	39	1.8
BT40-PRH40-195			160	BT40-PBK4-130			195	130		2.4
BT40-PRH40-240			205	BT40-PBK4-175			240	175		2.7
BT40-PRH52-150		52-70	115	BT40-PBK5-075	PRH52	5	150	75	50	2.3
BT40-PRH52-200			165	BT40-PBK5-125			200	125		3.3
BT40-PRH52-250			215	BT40-PBK5-175			250	175		4.0
BT40-PRH68-150		68-92	115	BT40-PBK6-065	PRH68	6	150	65	64	3.3
BT40-PRH68-200			165	BT40-PBK6-115			200	115		4.7
BT40-PRH68-250			215	BT40-PBK6-165			250	165		5.9
BT40-PRH90-165		92-122	130	BT40-PBK6-065	PRH90	6	165	65	64	4.2
BT40-PRH90-215			180	BT40-PBK6-115			215	115		5.6
BT40-PRH90-265			230	BT40-PBK6-165			265	165		6.8
BT40-PRH120-165		120-164	130	BT40-PST-070	PRH120	PST	165	70	95	7.0
BT40-PRH160-165		160-204			PRH160					8.0
BT50-PRH25-155	2	25-33	105	BT50-PBK2-110	PRH25	2	155	110	24	4.1
BT50-PRH25-185			135	BT50-PBK2-140			185	140		4.2
BT50-PRH32-180		32-42	130	BT50-PBK3-125	PRH32	3	180	125	31	4.4
BT50-PRH32-210			160	BT50-PBK3-155			210	155		4.5
BT50-PRH40-180		40-55	130	BT50-PBK4-115	PRH40	4	180	115	39	4.8
BT50-PRH40-210			160	BT50-PBK4-145			210	145		4.9
BT50-PRH40-240			190	BT50-PBK4-175			240	175		5.3
BT50-PRH40-270			220	BT50-PBK4-205			270	205		5.4
BT50-PRH52-180		52-70	130	BT50-PBK5-105	PRH52	5	180	105	50	5.5
BT50-PRH52-255			205	BT50-PBK5-180			255	180		6.5
BT50-PRH52-315			265	BT50-PBK5-240			315	240		7.2
BT50-PRH52-375			1	<Ø64=265L >Ø64=325L			BT50-PBK5-300			
BT50-PRH68-180	2	68-92	130	BT50-PBK6-095	PRH68	6	180	95	64	6.5
BT50-PRH68-255			205	BT50-PBK6-170			255	170		8.3
BT50-PRH68-315			265	BT50-PBK6-230			315	230		9.6
BT50-PRH68-375			325	BT50-PBK6-290			375	290		11.0
BT50-PRH68-435	1	<Ø90=265L >Ø90=385L	BT50-PBK6-350			435	350	90/64	15.5	
PBT50-PRH68-435	2	90-122	385	PBT50-PBK6-350						13.2
BT50-PRH90-195			145	BT50-PBK6-095	PRH90	6	195	95	64	7.4
BT50-PRH90-270			220	BT50-PBK6-170			270	170		9.2
BT50-PRH90-330			280	BT50-PBK6-230			330	230		10.5
BT50-PRH90-390			340	BT50-PBK6-290			390	290		11.9
BT50-PRH90-450			400	BT50-PBK6-350			450	350		90/64 64
PBT50-PRH90-450	1		PBT50-PBK6-350							
BT50-PRH120-195	2	120-164	150	BT50-PST-100	PRH120	PST	195	100	95	8.9
BT50-PRH120-245			200	BT50-PST-150			245	150		10.6
BT50-PRH120-295			250	BT50-PST-200			295	200		13.3
BT50-PRH120-345			300	BT50-PST-250			345	250		15.3
BT50-PRH120-395			350	BT50-PST-300			395	300		18.7
BT50-PRH120-445			400	BT50-PST-350			445	350		21.1
BT50-PRH120-495			450	BT50-PST-400			495	400		23.6
BT50-PRH160-195		160-204	150	BT50-PST-100	PRH160	PST	195	100	95	13.3
BT50-PRH160-245			200	BT50-PST-150			245	150		13.8
BT50-PRH160-295			250	BT50-PST-200			295	200		14.3
BT50-PRH160-345			300	BT50-PST-250			345	250		16.3
BT50-PRH160-395			350	BT50-PST-300			395	300		19.7
BT50-PRH160-445			400	BT50-PST-350			445	350		22.1
BT50-PRH160-495			450	BT50-PST-400			495	400		24.6

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

※刀把詳細尺寸請參閱P.34。

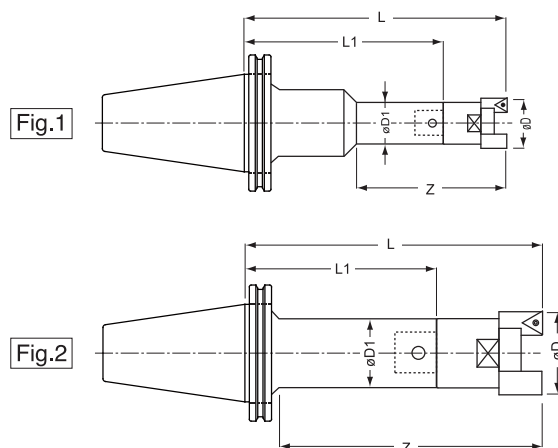
※Please refer to P.34 for detailed tool holder dimensions.

PRH可調式雙刃粗搪刀+PBK刀把 (DIN 69871)

(與刀把組合例二)

PRH Indexable Twin-bit Rough Boring Head + PBK Shank (DIN 69871)

(Tool Connection Type Two)



規格 Specifications:

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 PBK No.	全 長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG	
				PBK 刀把 PBK shank	PRH 刀頭 PRH boring head						
SK40-PRH25-125	2	25-33	97	SK40-PBK2-080	PRH25	2	125	80	24	1.15	
SK40-PRH32-150		32-42	123	SK40-PBK3-095	PRH32	3	150	95	31	1.5	
SK40-PRH40-150		40-55	125	SK40-PBK4-085	PRH40	4	150	85	39	1.8	
SK40-PRH52-150		52-70	125	SK40-PBK5-075	PRH52	5	150	75	49	2.5	
SK40-PRH68-150		68-92	115	SK40-PBK6-065	PRH68	6	150	65	64	3.4	
SK40-PRH90-165		90-122	130	SK40-PBK6-065	PRH90		165			4.3	
SK50-PRH25-160	2	25-33	128	SK50-PBK2-115	PRH25	2	160	115	24	2.95	
SK50-PRH25-215			183	SK50-PBK2-170			215	170		3.15	
SK50-PRH32-180		32-42	150	SK50-PBK3-125	PRH32	3	180	125	31	3.3	
SK50-PRH32-240			210	SK50-PBK3-185			240	185		3.6	
SK50-PRH40-180		40-55	152	SK50-PBK4-115	PRH40	4	180	115	39	3.7	
SK50-PRH40-270			242	SK50-PBK4-205			270	205		4.4	
SK50-PRH52-180		52-70	154	SK50-PBK5-105	PRH52	5	180	105	49	4.6	
SK50-PRH52-375			127	SK50-PBK5-300			375	300		9.2	
SK50-PRH68-180		2	68-92	155	SK50-PBK6-095	PRH68	6	180	095	64	6.0
SK50-PRH68-315				290	SK50-PBK6-230			315	230		9.0
SK50-PRH68-385				360	SK50-PBK6-300			385	300		10.6
SK50-PRH90-195			92-122	170	SK50-PBK6-095	PRH90		195	095		6.9
SK50-PRH90-330	305			SK50-PBK6-230	330			230	9.9		
SK50-PRH90-400	375			SK50-PBK6-300	400			300	11.5		
SK50-PRH120-195	120-164		173	SK50-PST-100	PRH120	PST	195	100	95	8.5	
SK50-PRH120-245			223	SK50-PST-150			245	150		9.7	
SK50-PRH120-295			273	SK50-PST-200			295	200		12.4	
SK50-PRH120-345			323	SK50-PST-250			345	250		14.3	
SK50-PRH120-395			373	SK50-PST-300			395	300		16.2	
SK50-PRH160-195	160-204		173	SK50-PST-100	PRH160		195	100		9.5	
SK50-PRH160-245			223	SK50-PST-150			245	150		10.7	
SK50-PRH160-295			237	SK50-PST-200			295	200		13.4	
SK50-PRH160-345			323	SK50-PST-250			345	250		15.3	
SK50-PRH160-395			373	SK50-PST-300			395	300		17.2	

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

Ø200以上PRH可調式大徑雙刀粗搪刀系列 搪孔範圍 Ø200 - Ø500mm

PRH Indexable Twin-bit Rough Boring Head

Boring Range from 200 - 500mm

特色

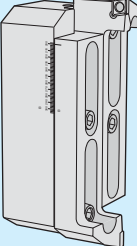
- 適用單刀搪孔，雙刀搪孔及高低階搪孔。搪孔範圍Ø200~Ø500mm。
- 新型刀刀滑座設計，刀背補強。加工時，滑座承受的兩個作用力相互抵消，產生最大剛性和切削力。適合各形態的搪孔作業。
- 可依照各種不同加工需求，輕易調整搪刀，做少量多樣的加工。備有多種長度刀桿可加工至所需深度。
- 清晰的側邊刻度，協助使用者輕易調整到所需的範圍，無須在刀具設定儀上預設。
- 最適合在各型切削中心機或搪床上配合使用，並可搭配各種廠牌相同規格的指定刀片，節省刀具研磨時間並大幅增加搪孔效率。
- 專利高低段差設計，平刃或高低刃均可採用。
- 直徑 Ø200mm以上大孔徑搪刀，使用直接組件，結構簡單剛性強，調整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

Features

- The head is suitable for single bit boring, twin-bit boring and step boring with working diameter from 200mm to 500mm 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 direct module, simple structure and high rigidity with adjustment range 100mm on diameter.
- Replaceable insert holders.



規格 Specifications:

	搪頭型號 Boring Head Type	接合型號 PST No.	搪孔範圍ØDmm Boring Range	搪頭長度 L2 mm	刀片規格 Insert	重 量 kg Weight
	PRH200-300-C	PST Series	200~300	95	CCMT120408	7.0
	PRH200-300-T				TCMT220408	
	PRH200-300-S				SCMT120404	
	PRH300-400-C		300~400		CCMT120408	10.7
	PRH300-400-T				TCMT220408	
	PRH300-400-S				SCMT120404	
	PRH400-500-C		400~500		CCMT120408	14.0
	PRH400-500-T				TCMT220408	
	PRH400-500-S				SCMT120404	

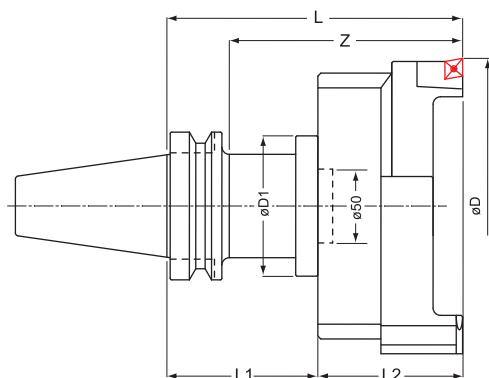
刀片選用說明	C Type		剛性較 T 型佳，可加工盲孔	T Type		刀片可利用邊數較 C 型多，可加工盲孔	S Type		刀片剛性最佳，但適合加工通孔
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Ø200以上PRH可調式大徑雙刃粗搪刀+PST刀把 (MAS 403 BT)

PRH Indexable Twin-bit Rough Boring Head for Large Hole Boring+PST Shank (MAS 403 BT)

(與刀把組合例一)

(Tool Connection Type One)



■ 可拆式刀片座規格 **RBH120(LA)** 以上皆共用

刀片規格 Insert	螺絲/扳手 Screw/Wrench
CCMT120408	M5/T20
TCMT220408	
SCMT120404	
TCMT16T304	M4/T15

※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

■ 規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把 PST shank	PRH刀頭PRH boring head					
BT50-PRH200-195	200-300	150	BT50-PST-100	PRH200	PST	195	100	95	12.1
BT50-PRH200-245		200	BT50-PST-150			245	150		13.8
BT50-PRH200-295		250	BT50-PST-200			295	200		16.6
BT50-PRH200-345		300	BT50-PST-250			345	250		18.5
BT50-PRH200-395		350	BT50-PST-300			395	300		21.4
BT50-PRH200-445		400	BT50-PST-350			445	350		23.8
BT50-PRH200-495		450	BT50-PST-400			495	400		26.3
BT50-PRH300-195	300-400	150	BT50-PST-100	PRH300		195	100		15.8
BT50-PRH300-245		200	BT50-PST-150			245	150		17.5
BT50-PRH300-295		250	BT50-PST-200			295	200		20.3
BT50-PRH300-345		300	BT50-PST-250			345	250		22.2
BT50-PRH300-395		350	BT50-PST-300			395	300		25.1
BT50-PRH300-445		400	BT50-PST-350			445	350		27.5
BT50-PRH300-495		450	BT50-PST-400			495	400		30.0
BT50-PRH400-195	400-500	150	BT50-PST-100	PRH400		195	100		19.1
BT50-PRH400-245		200	BT50-PST-150			245	150		20.8
BT50-PRH400-295		250	BT50-PST-200			295	200		23.6
BT50-PRH400-345		300	BT50-PST-250			345	250		25.5
BT50-PRH400-395		350	BT50-PST-300			395	300		28.4
BT50-PRH400-445		400	BT50-PST-350			445	350		30.8
BT50-PRH400-495		450	BT50-PST-400			495	400		33.3

※刀把詳細尺寸請參閱P.34。

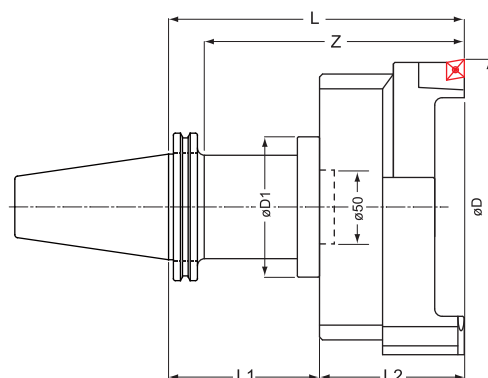
※Please refer to P.34 for detailed tool holder dimensions.

Ø200以上PRH可調式大徑雙刀粗搪刀+PST刀把 (DIN 69871)

PRH Indexable Twin-bit Rough Boring Head for Large Hole Boring+PST Shank (DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把	PST shankPRH刀頭PRH boring head					
SK50-PRH200-195	200-300	173	SK50-PST-100	PRH200	PST	195	100	95	11.2
SK50-PRH200-245		223	SK50-PST-150			245	150		12.4
SK50-PRH200-295		273	SK50-PST-200			295	200		15.1
SK50-PRH200-345		323	SK50-PST-250			345	250		17.0
SK50-PRH200-395		373	SK50-PST-300			395	300		18.9
SK50-PRH300-195	300-400	173	SK50-PST-100	PRH300		195	100		14.9
SK50-PRH300-245		223	SK50-PST-150			245	150		16.1
SK50-PRH300-295		273	SK50-PST-200			295	200		18.8
SK50-PRH300-345		323	SK50-PST-250			345	250		20.7
SK50-PRH300-395		373	SK50-PST-300			395	300		22.6
SK50-PRH400-195	400-500	173	SK50-PST-100	PRH400		195	100		18.2
SK50-PRH400-245		223	SK50-PST-150			245	150		19.4
SK50-PRH400-295		273	SK50-PST-200			295	200		22.1
SK50-PRH400-345		323	SK50-PST-250			345	250		24.0
SK50-PRH400-395		373	SK50-PST-300			395	300		25.9

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

PRH-LA 雙刃粗搪刀(加長型)

TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)

新型PRH-LA可調式雙刃粗搪刀系列 搪孔範圍Ø25 - Ø204mm

PRH-LA Indexable Twin-bit Rough Boring Head Boring Range from Ø25 - Ø204mm

Features

1. Thickened cartridge with higher rigidity.
2. Coolant nozzle easily cools the insert elongating its working life.
3. Completed with chip pocket, improving chip flow of deep boring.
4. Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
5. Patented step boring design; suitable for both level boring and step boring.
6. PRH120LA and PRH160LA are replaceable insert holders.

特色

1. 刀片支持座厚度增加，剛性增強。
2. 內藏式水孔，直接冷卻，刀片壽命長。
3. 排屑槽設計，增加深孔排屑功能。
4. 連接壓板使刀頭與刀座一體，增加切削剛性。
5. 獨特高低段差設計，平刃或高低刃均可採用。
6. PRH120LA與PRH160LA為可更換式刀片座。

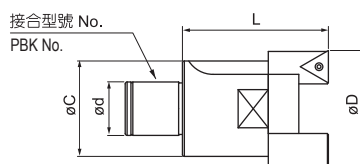


Fig.1

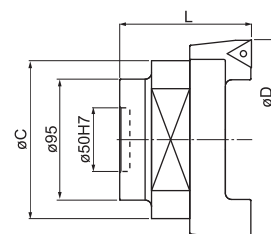


Fig.2

規格 Specifications:

搪頭型號 Boring Head Type	樣式 Fig	接合型號 PBK No.	搪孔範圍 ØDmm Boring Range	L mm	ØC mm	Ød mm	刀片規格 Insert	重量 kg Weight
PRH25-35LA-C	1	PBK2	25~35	50	24	14	CCMT060204	0.15
PRH32-45LA-C		PBK3	32~45	60	31	18	CCMT060204	0.3
PRH32-45LA-T							TCMT110204	
PRH40-55LA-C		PBK4	40~55	74	39	22	CCMT09T304	0.6
PRH40-55LA-T							TCMT16T304	
PRH40-55LA-S							SCMT09T304	
PRH52-75LA-C		PBK5	52~75	80	50	28	CCMT09T304	1
PRH52-75LA-T							TCMT16T304	
PRH52-75LA-S							SCMT09T304	
PRH68-100LA-C		PBK6	68~100	90	66	36	CCMT120408	2.5
PRH68-100LA-T							TCMT16T304	
PRH68-100LA-S							SCMT120404	
PRH90-130LA-C			90~130	100	88	36	CCMT120408	3.1
PRH90-130LA-T							TCMT16T304	
PRH90-130LA-S							SCMT120404	
PRH120-164LA-C	2	PST Series	120~164	95	100	50	CCMT120408	4.3
PRH120-164LA-T							TCMT220408	
PRH120-164LA-S							SCMT120404	
PRH160-204LA-C			160~204	95	130	50	CCMT120408	5.3
PRH160-204LA-T							TCMT220408	
PRH160-204LA-S							SCMT120404	

★PRH120LA,160LA與PRH120,160為相同產品

★PRH120LA and PRH160LA are the same as PRH120 and PRH160 individually.

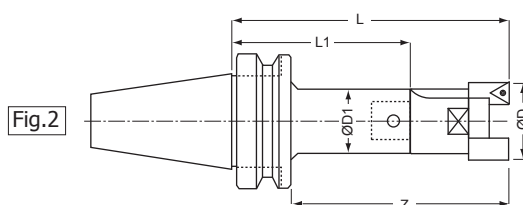
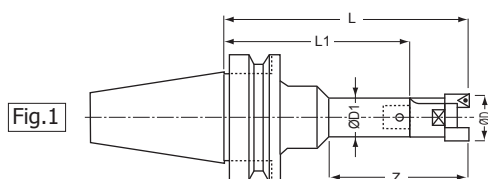
刀片選用說明	C Type		剛性較 T 型佳，可加工盲孔	T Type		刀片可利用邊數較 C 型多，可加工盲孔	S Type		刀片剛性最佳，但適合加工通孔
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新型PRH-LA雙刃粗搪刀+PBK刀把 (MAS 403 BT)

PRH-LA Indexable Twin-bit Rough Boring Head+PBK Shank(MAS 403 BT)

(與刀把組合例一)

(Tool Connection Type One)



PRH-LA 雙刃粗搪刀(加長型)

TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)

※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

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 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG				
				PBK刀把PBK shank	PRH-LA刀頭PRH-LA boring head									
BT30-PRH25LA-130	2	25-35	100	BT30-PBK2-080	PRH25LA	2	130	80	24	0.8				
BT30-PRH32LA-140				BT30-PBK3-080	PRH32LA	3			31	1.0				
BT30-PRH40LA-140		40-55	110	BT30-PBK4-070	PRH40LA	4	144	70	39	1.4				
BT30-PRH52LA-140		52-75		BT30-PBK5-060	PRH52LA	5		50	1.8					
BT30-PRH68LA-150		68-100	120	BT30-PBK6-060	PRH68LA	6	150	60	64	3.5				
BT30-PRH90LA-160		90-130	130		PRH90LA		160			4.1				
BT40-PRH25LA-135	2	25-35	100	BT40-PBK2-085	PRH25LA	2	135	85	24	1.3				
BT40-PRH25LA-165				130			BT40-PBK2-115	165		115	1.6			
BT40-PRH32LA-155		32-45	120	BT40-PBK3-095	PRH32LA	3	155	95	31	1.5				
BT40-PRH32LA-185			150	BT40-PBK3-125			185	125		1.8				
BT40-PRH32LA-215			180	BT40-PBK3-155			215	155		2.0				
BT40-PRH40LA-155		40-55	120	BT40-PBK4-085	PRH40LA	4	159	85	39	1.9				
BT40-PRH40LA-200			165	BT40-PBK4-130			204	130		2.5				
BT40-PRH40LA-245			210	BT40-PBK4-175			249	175		2.8				
BT40-PRH52LA-155		52-75	120	BT40-PBK5-075	PRH52LA	5	155	75	50	2.3				
BT40-PRH52LA-205			170	BT40-PBK5-125			205	125		3.3				
BT40-PRH52LA-255			220	BT40-PBK5-175			255	175		4.0				
BT40-PRH68LA-155		68-100	120	BT40-PBK6-065	PRH68LA	6	155	65	64	3.8				
BT40-PRH68LA-205			170	BT40-PBK6-115			205	115		5.2				
BT40-PRH68LA-255			220	BT40-PBK6-165			255	165		6.4				
BT40-PRH90LA-165		90-130	130	BT40-PBK6-065	PRH90LA	6	165	65	64	4.4				
BT40-PRH90LA-215			180	BT40-PBK6-115			215	115		5.8				
BT40-PRH90LA-265			230	BT40-PBK6-165			265	165		7.0				
BT40-PRH120LA-165		120-164	130	BT40-PST-070	PRH120LA	PST	165	70	95	7.0				
BT40-PRH160LA-165		160-204			PRH160LA					8.0				
BT50-PRH25LA-160	2	25-35	110	BT50-PBK2-110	PRH25LA	2	160	110	24	4.1				
BT50-PRH25LA-190				140			BT50-PBK2-140	190		140	4.2			
BT50-PRH32LA-185		32-45	135	BT50-PBK3-125	PRH32LA	3	185	125	31	4.4				
BT50-PRH32LA-215			165	BT50-PBK3-155			215	155		4.5				
BT50-PRH40LA-185		40-55	135	BT50-PBK4-115	PRH40LA	4	189	115	39	4.9				
BT50-PRH40LA-215			165	BT50-PBK4-145			219	145		5.0				
BT50-PRH40LA-245			195	BT50-PBK4-175			249	175		5.4				
BT50-PRH40LA-275			225	BT50-PBK4-205			279	205		5.5				
BT50-PRH52LA-185		52-75	135	BT50-PBK5-105	PRH52LA	5	185	105	50	5.5				
BT50-PRH52LA-260			210	BT50-PBK5-180			260	180		6.5				
BT50-PRH52LA-320			270	BT50-PBK5-240			320	240		7.2				
BT50-PRH52LA-380		1	<Ø64=270L >Ø64=330L	BT50-PBK5-300	6	PST	380	300	64/50	8.6				
BT50-PRH68LA-185	2	135	BT50-PBK6-095	185			95	64	7.0					
BT50-PRH68LA-260		210	BT50-PBK6-170	260			170		8.8					
BT50-PRH68LA-320		270	BT50-PBK6-230	320			230		10.1					
BT50-PRH68LA-380		330	BT50-PBK6-290	380			290		11.5					
BT50-PRH68LA-440	1	<Ø90=270L >Ø90=390L	BT50-PBK6-350	440			350	90/64	16.0					
PBT50-PRH68LA-440	2	390	PBT50-PBK6-350	195			95	64	13.7					
BT50-PRH90LA-195		145	BT50-PBK6-095	270			170		7.6					
BT50-PRH90LA-270		220	BT50-PBK6-170	330			230		9.4					
BT50-PRH90LA-330		280	BT50-PBK6-230	390			290		10.7					
BT50-PRH90LA-390		340	BT50-PBK6-290	450			350		12.1					
BT50-PRH90LA-450	1	400	BT50-PBK6-350	450			350	90/64	16.6					
PBT50-PRH90LA-450	2	120-164	PBT50-PBK6-350	PST			100	95	64	14.3				
BT50-PRH120LA-195			150		BT50-PST-100				PRH120LA					8.9
BT50-PRH120LA-245			200		BT50-PST-150									10.6
BT50-PRH120LA-295			250		BT50-PST-200									13.3
BT50-PRH120LA-345			300		BT50-PST-250									15.3
BT50-PRH120LA-395			350		BT50-PST-300									18.7
BT50-PRH120LA-445			400		BT50-PST-350									21.1
BT50-PRH120LA-495			450		BT50-PST-400									23.6
BT50-PRH160LA-195		160-204	150		BT50-PST-100			PRH160LA				95	9.9	
BT50-PRH160LA-245			200		BT50-PST-150								11.6	
BT50-PRH160LA-295			250		BT50-PST-200								14.3	
BT50-PRH160LA-345			300		BT50-PST-250								16.3	
BT50-PRH160LA-395			350		BT50-PST-300								19.7	
BT50-PRH160LA-445			400		BT50-PST-350								22.1	
BT50-PRH160LA-495			450		BT50-PST-400								24.6	

★PBT是專為抑制搪孔共振而改良之專用刀桿 ★PBT is the improved type dedicated to eliminating resonance in boring.
※刀把詳細尺寸請參閱P.34。 ※Please refer to P.34 for detailed tool holder dimensions.

PRH-LA 雙刃粗搪刀(加長型)

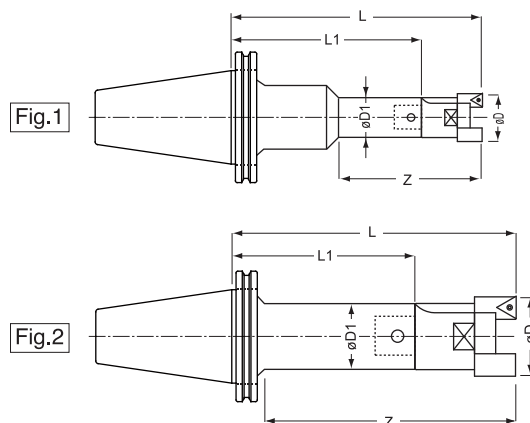
TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)

新型PRH-LA雙刃粗搪刀+PBK刀把 (DIN 69871)

PRH-LA Indexable Twin-bit Rough Boring Head+PBK Shank(DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

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 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG
				PBK刀把 PBK shank	PRH-LA刀頭PRH-LA boring head					
SK40-PRH25LA-130	2	25-35	102	SK40-PBK2-080	PRH25LA	2	130	80	24	1.15
SK40-PRH32LA-155		32-45	128	SK40-PBK3-095	PRH32LA	3	155	95	31	1.5
SK40-PRH40LA-155		40-55	130	SK40-PBK4-085	PRH40LA	4	159	85	39	1.9
SK40-PRH52LA-155		52-75	130	SK40-PBK5-075	PRH52LA	5	155	75	49	2.5
SK40-PRH68LA-155		68-100	120	SK40-PBK6-065	PRH68LA	6	155	65	64	3.9
SK40-PRH90LA-165		90-130	130	SK40-PBK6-065	PRH90LA		165			4.5
SK50-PRH25LA-165		25-35	133	SK50-PBK2-115	PRH25LA	2	165	115	24	2.95
SK50-PRH25LA-220			188	SK50-PBK2-170			220	170		3.15
SK50-PRH32LA-185		32-45	155	SK50-PBK3-125	PRH32LA	3	185	125	31	3.3
SK50-PRH32LA-245			215	SK50-PBK3-185			245	185		3.6
SK50-PRH40LA-185		40-55	157	SK50-PBK4-115	PRH40LA	4	189	115	39	3.8
SK50-PRH40LA-275			247	SK50-PBK4-205			279	205		4.5
SK50-PRH52LA-185		52-75	159	SK50-PBK5-105	PRH52LA	5	185	105	49	4.6
SK50-PRH52LA-380			132	SK50-PBK5-300			380	300		9.2
SK50-PRH68LA-185	2	68-100	160	SK50-PBK6-095	PRH68LA	6	185	095	64	6.5
SK50-PRH68LA-320			295	SK50-PBK6-230			320	230		9.5
SK50-PRH68LA-390			365	SK50-PBK6-300			390	300		11.1
SK50-PRH90LA-195		90-130	170	SK50-PBK6-095	PRH90LA		195	095		7.1
SK50-PRH90LA-330			305	SK50-PBK6-230			330	230		10.1
SK50-PRH90LA-400			375	SK50-PBK6-300			400	300		11.7
SK50-PRH120LA-195		120-164	173	SK50-PST-100	PRH120LA	PST	195	100	95	8.5
SK50-PRH120LA-245			223	SK50-PST-150			245	150		9.7
SK50-PRH120LA-295			273	SK50-PST-200			295	200		12.4
SK50-PRH120LA-345			323	SK50-PST-250			345	250		14.3
SK50-PRH120LA-395			373	SK50-PST-300			395	300		16.2
SK50-PRH160LA-195		160-204	173	SK50-PST-100	PRH160LA		195	100		9.5
SK50-PRH160LA-245			223	SK50-PST-150			245	150		10.7
SK50-PRH160LA-295			273	SK50-PST-200			295	200		13.4
SK50-PRH160LA-345	323		SK50-PST-250	345			250	15.3		
SK50-PRH160LA-395	373		SK50-PST-300	395			300	17.2		

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

PRH-LA 大徑雙刃粗搪刀(加長型)

LARGE DIAMETER TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)



Ø200以上PRH-LA組合式大徑粗搪刀系列

搪孔範圍 Ø200 - Ø2000mm

PRH-LA Large Diameter Modular Rough Boring Head with Diameter over Ø200mm

Boring Range from Ø200 - Ø2000mm

特色

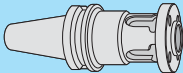
1. 通用Ø200~Ø2000mm大型孔徑加工使用。
2. 粗、精搪刀使用同基礎組件，且可另選配附件搭配使用。加工調整範圍為直徑110mm。600LA與900LA調整範圍為Ø300mm，1200LA以上為Ø400mm。
3. 粗搪刀，具有多種刀片選擇，可適用於多種材質及加工方式。
4. 可依客戶需求訂製2M以上規格



Features

1. This type is suitable for large diameter boring with ranges from Ø200 mm to Ø2000 mm.
2. 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 both 600LA and 900LA is Ø300mm, and 1200LA above are Ø400mm.
3. Options of various inserts for rough boring of different materials and boring styles.
4. Boring head can be ordered according to client's requirements above 2M specification.

規格 Specifications:

搪頭型號 Boring Head Type	型 號 Type		PRH 200LA	PRH 300LA	PRH 400LA	PRH 500LA	PRH 600LA	PRH 900LA	PRH 1200LA	PRH 1600LA
	長 度 Length (mm)		130	130	130	130	150	150	180	180
	整組重量 Total Weight (kg)		9.5	11.5	13.5	15.5	23	31.7	46.6	52
	加工直徑 Boring Diameter ØD (mm)		200-310	300-410	400-510	500-610	600-900	900-1200	1200-1600	1600-2000
組 合 式 Module	接合刀把 Taper Shank		BT50-PST / NT50-PST系列 BT50-PST / NT50-PST Series				BT50-FMA-47.625			
	連接盤 Flange		BR200				BR600	BR900	BR1200	BR1600
	重量 (kg) Weight		合金鋼 Alloy Steel				鋁合金 Alum. Alloy			
			2.7				8.8	13.5	24.4	29.6
	橫向滑板(合金鋼) Extension Slide Alloy Steel		RST200	RST300	RST400	RST500	RST300 x 2 pcs	RST400 x 2 pcs	RST500 x 2pcs	
	重量 Weight (kg)		3.4	5.4	7.4	9.4	10.8	14.8	18.8	
	滑塊 Clamp Base		RS200							
	鋁合金重量 (kg) Alum. Alloy 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									

PRH-LA 大徑雙刃粗搪刀(加長型)

LARGE DIAMETER TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)



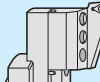
Ø200以上PRH-LA組合式大徑雙刃粗搪刀+PST刀把 (MAS 403 BT)

(與刀把組合例一)

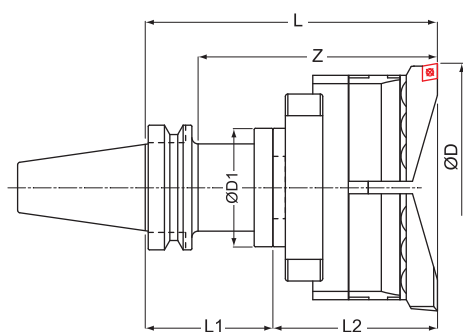
PRH-LA Indexable Twin-bit Rough Boring Head for Large Hole Boring+PST Shank (MAS 403 BT)

(Tool Connection Type One)

搪孔範圍 Ø200 - 2000mm Boring Range from Ø200 - Ø2000mm

	搪頭型號 Boring Head Type	接合型號 PST No.	搪孔範圍ØD mm Boring Range	搪頭長度 L2 mm	刀片規格 Insert	重量(kg) Weight
	PRH200LA	PST Series	200~310	130	(選配刀片座) Optional Inserts	9.5
	PRH300LA		300~410			11.5
	PRH400LA		400~510			13.5
	PRH500LA		500~610			15.5
	PRH600LA	FMA-47.625	600~900	150	CCMT120408	23.0
	PRH900LA		900~1200		TCMT16T304	31.7
	PRH1200LA		1200~1600	180	TCMT220408	46.6
	PRH1600LA		1600~2000		SCMT120404	52

刀片選用說明	C Type		剛性較 T 型佳，可加工盲孔	T Type		刀片可利用邊數較 C 型多，可加工盲孔	S Type		刀片剛性最佳，但適合加工通孔
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Boring diameter
Ø200~2000 mm



※另提供兩面靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG
			PST刀把 PST shank	PRH-LA刀頭 PRH-LA boring head					
BT50-PRH200LA-230	200-310	185	BT50-PST-100	PRH200LA	PST	230	100	95	14.6
BT50-PRH200LA-280		235	BT50-PST-150			280	150		16.3
BT50-PRH200LA-330		285	BT50-PST-200			330	200		19.0
BT50-PRH200LA-380		335	BT50-PST-250			380	250		21.0
BT50-PRH200LA-430		385	BT50-PST-300			430	300		23.9
BT50-PRH200LA-480		435	BT50-PST-350			480	350		26.3
BT50-PRH200LA-530		485	BT50-PST-400			530	400		28.8
BT50-PRH300LA-230	300-410	185	BT50-PST-100	PRH300LA		230	100		16.6
BT50-PRH300LA-280		235	BT50-PST-150			280	150		18.3
BT50-PRH300LA-330		285	BT50-PST-200			330	200		21.0
BT50-PRH300LA-380		335	BT50-PST-250			380	250		23.0
BT50-PRH300LA-430		385	BT50-PST-300			430	300		25.9
BT50-PRH300LA-480		435	BT50-PST-350			480	350		28.3
BT50-PRH300LA-530		485	BT50-PST-400			530	400		30.8
BT50-PRH400LA-230	400-510	185	BT50-PST-100	PRH400LA		230	100		18.6
BT50-PRH400LA-280		235	BT50-PST-150			280	150		20.3
BT50-PRH400LA-330		285	BT50-PST-200			330	200		23.0
BT50-PRH400LA-380		335	BT50-PST-250			380	250		25.0
BT50-PRH400LA-430		385	BT50-PST-300			430	300		27.9
BT50-PRH400LA-480		435	BT50-PST-350			480	350		30.3
BT50-PRH400LA-530		485	BT50-PST-400			530	400		32.8
BT50-PRH500LA-230	500-610	185	BT50-PST-100	PRH500LA		230	100		20.6
BT50-PRH500LA-280		235	BT50-PST-150			280	150		22.3
BT50-PRH500LA-330		285	BT50-PST-200			330	200		25.0
BT50-PRH500LA-380		335	BT50-PST-250			380	250		27.0
BT50-PRH500LA-430		385	BT50-PST-300			430	300		29.9
BT50-PRH500LA-480		435	BT50-PST-350			480	350		33.3
BT50-PRH500LA-530		485	BT50-PST-400			530	400		34.8
BT50-PRH600LA-230	600-900	185	BT50-FMA47.625-075	PRH600LA	FMA 47.625	225	75	128	30.0
BT50-PRH900LA-230	900-1200			PRH900LA					38.7
BT50-PRH1200LA-260	1200~1600	PRH1200LA		255		53.6			
BT50-PRH1600LA-260	1600~2000	PRH1600LA				59			

※刀把詳細尺寸請參閱P.34。

※Please refer to P.34 for detailed tool holder dimensions.

PRH-LA 大徑雙刃粗搪刀(加長型)

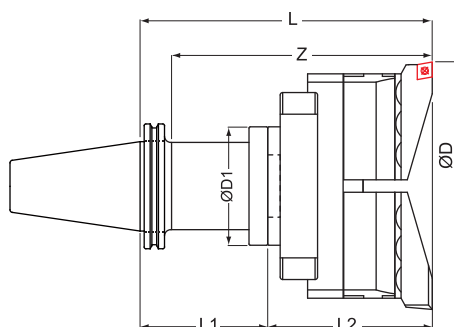
LARGE DIAMETER TWIN-BIT ROUGH BORING TOOL HOLDER (LONG TYPE)

Ø200以上PRH-LA組合式大徑雙刃粗搪刀+PST刀把 (DIN 69871)

PRH-LA Indexable Twin-bit Rough Boring Head for Large Hole Boring+PST Shank (DIN 69871)

(與刀把組合例二)

(Tool Connection Type Two)



規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重量 KG
			PST刀把 PST shank	PRH-LA刀頭 PRH-LA boring head					
SK50-PRH200LA-230	200-310	208	SK50-PST-100	PRH200LA	PST	230	100	95	13.7
SK50-PRH200LA-280		258	SK50-PST-150			280	150		14.9
SK50-PRH200LA-330		308	SK50-PST-200			330	200		17.6
SK50-PRH200LA-380		358	SK50-PST-250			380	250		19.5
SK50-PRH200LA-430		408	SK50-PST-300			430	300		21.4
SK50-PRH300LA-230	300-410	208	SK50-PST-100	PRH300LA		230	100		15.7
SK50-PRH300LA-280		258	SK50-PST-150			280	150		16.9
SK50-PRH300LA-330		308	SK50-PST-200			330	200		19.6
SK50-PRH300LA-380		358	SK50-PST-250			380	250		21.5
SK50-PRH300LA-430		408	SK50-PST-300			430	300		23.4
SK50-PRH400LA-230	400-510	208	SK50-PST-100	PRH400LA		230	100		17.7
SK50-PRH400LA-280		258	SK50-PST-150			280	150		18.9
SK50-PRH400LA-330		308	SK50-PST-200			330	200		21.6
SK50-PRH400LA-380		358	SK50-PST-250			380	250		23.5
SK50-PRH400LA-430		408	SK50-PST-300			430	300		25.4
SK50-PRH500LA-230	500-610	208	SK50-PST-100	PRH500LA		230	100		19.7
SK50-PRH500LA-280		258	SK50-PST-150			280	150		20.9
SK50-PRH500LA-330		308	SK50-PST-200			330	200		23.6
SK50-PRH500LA-380		358	SK50-PST-250			380	250		25.5
SK50-PRH500LA-430		408	SK50-PST-300			430	300		27.4

※刀把詳細尺寸請參閱P.35。

※Please refer to P.35 for detailed tool holder dimensions.

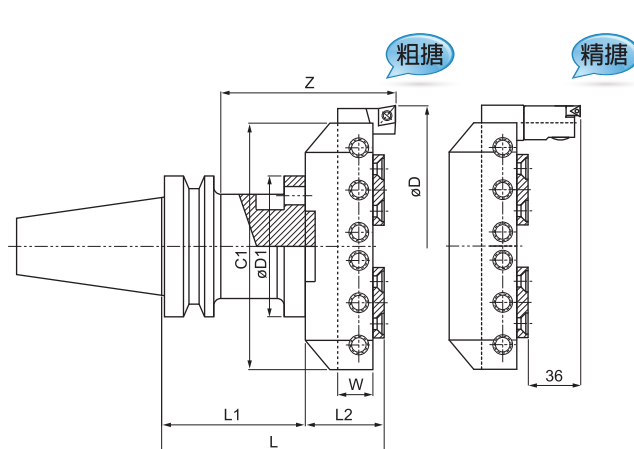
Ø150以上WPST四方柄大徑搪刀+PST刀把 (MAS 403 BT)

Square Shank Large Hole Boring Head Fitted with WPST Tool Rest +PST Shank (MAS 403BT)

搪孔範圍Ø150-Ø510mm Boring Range from Ø150 - Ø510mm

(與刀把組合例一)

(Tool Connection Type One)



WPST四方柄搪孔刀架+PST刀把+BSB25四方柄搪刀

※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把 PST shank	WPST刀架 WPST Tool Rest					
BT40-WPST150-125	150-260	90	BT40-PST-070	WPST150	PST	125	70	95	5.7
BT40-WPST200-125	200-310			WPST200					6.8
BT50-WPST150-155	150-260	110	BT50-PST-100	WPST150		155	100		7.6
BT50-WPST150-205		160	BT50-PST-150			205	150		9.3
BT50-WPST150-255		210	BT50-PST-200			255	200		12.1
BT50-WPST150-305		260	BT50-PST-250			305	250		14
BT50-WPST150-355		310	BT50-PST-300			355	300		16
BT50-WPST150-405		360	BT50-PST-350			405	350		18.6
BT50-WPST150-455		410	BT50-PST-400			455	400		21.8
BT50-WPST200-155	200-310	110	BT50-PST-100	WPST200		155	100		8.7
BT50-WPST200-205		160	BT50-PST-150			205	150		10.4
BT50-WPST200-255		210	BT50-PST-200			255	200		13.2
BT50-WPST200-305		260	BT50-PST-250			305	250		15.1
BT50-WPST200-355		310	BT50-PST-300			355	300		17.1
BT50-WPST200-405		360	BT50-PST-350			405	350		19.7
BT50-WPST200-455		410	BT50-PST-400			455	400		22.9
BT50-WPST300-155	300-410	110	BT50-PST-100	WPST300		155	100		11.1
BT50-WPST300-205		160	BT50-PST-150			205	150		12.8
BT50-WPST300-255		210	BT50-PST-200			255	200		15.6
BT50-WPST300-305		260	BT50-PST-250			305	250		17.5
BT50-WPST300-355		310	BT50-PST-300			355	300		19.5
BT50-WPST300-405		360	BT50-PST-350			405	350		22.1
BT50-WPST300-455		410	BT50-PST-400			455	400		25.3
BT50-WPST400-155	400-510	110	BT50-PST-100	WPST400		155	100		13.4
BT50-WPST400-205		160	BT50-PST-150			205	150		15.1
BT50-WPST400-255		210	BT50-PST-200			255	200		17.9
BT50-WPST400-305		260	BT50-PST-250			305	250		19.8
BT50-WPST400-355		310	BT50-PST-300			355	300		21.8
BT50-WPST400-405		360	BT50-PST-350			405	350		24.4
BT50-WPST400-455		410	BT50-PST-400			455	400		27.6

※此規格不含BSB25四方柄搪刀。

※刀把詳細尺寸請參閱P.34。

※Option of BSB25 Square Shank Boring Tool Holder.

※Please refer to P.34 for detailed tool holder dimensions.

Ø150以上WPST四方柄大徑搪刀+PST刀把 (DIN 69871)

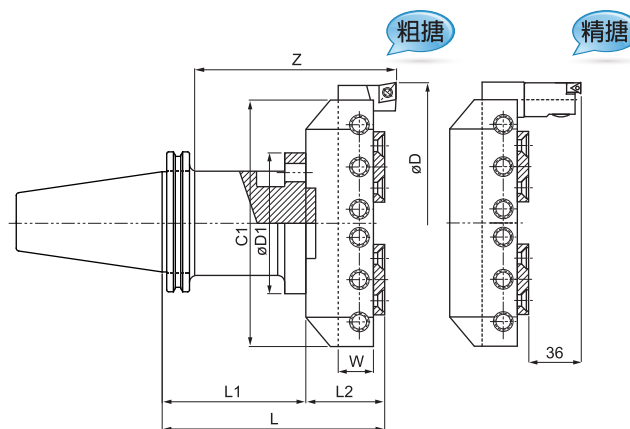
Square Shank Large Hole Boring Head Fitted with WPST Tool Rest +PST Shank (DIN 69871)

搪孔範圍Ø150-Ø510mm

Boring Range from Ø150 - Ø510mm

(與刀把組合例二)

(Tool Connection Type Two)



WPST四方柄搪孔刀架+PST刀把+BSB25四方柄搪刀

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	有效長 Z	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
			PST刀把 PST shank	WPST刀架 WPST Tool Rest					
SK50-WPST150-155	150-260	133	SK50-PST-100	WPST150	PST	155	100	95	6.7
SK50-WPST150-205		183	SK50-PST-150			205	150		7.9
SK50-WPST150-255		233	SK50-PST-200			255	200		10.6
SK50-WPST150-305		283	SK50-PST-250			305	250		12.5
SK50-WPST150-355		333	SK50-PST-300			355	300		9.4
SK50-WPST200-155	200-310	133	SK50-PST-100	WPST200		155	100		7.8
SK50-WPST200-205		183	SK50-PST-150			205	150		9.0
SK50-WPST200-255		233	SK50-PST-200			255	200		11.7
SK50-WPST200-305		283	SK50-PST-250			305	250		13.6
SK50-WPST200-355		333	SK50-PST-300			355	300		15.5
SK50-WPST300-155	300-410	133	SK50-PST-100	WPST300		155	100		10.2
SK50-WPST300-205		183	SK50-PST-150			205	150		11.4
SK50-WPST300-255		233	SK50-PST-200			255	200		14.1
SK50-WPST300-305		283	SK50-PST-250			305	250		16.0
SK50-WPST300-355		333	SK50-PST-300			355	300		17.9
SK50-WPST400-155	400-510	133	SK50-PST-100	WPST400		155	100		12.5
SK50-WPST400-205		183	SK50-PST-150			205	150		13.7
SK50-WPST400-255		233	SK50-PST-200			255	200		16.4
SK50-WPST400-305		283	SK50-PST-250			305	250		18.3
SK50-WPST400-355		333	SK50-PST-300			355	300		20.2

※此規格不含BSB25四方柄搪刀。
※刀把詳細尺寸請參閱P.35。

※Option of BSB25 Square Shank Boring Tool Holder.
※Please refer to P.35 for detailed tool holder dimensions.

Ø150以上WPST四方柄外徑搪刀+PST刀把 (MAS 403 BT)

(與刀把組合例一)

Square Shank Large External Boring Head Fitted with WPST Tool Rest +PST Shank (MAS 403BT)

(Tool Connection Type One)

外徑範圍Ø80-Ø450mm External Boring Range from Ø80 - Ø450mm



WPST四方柄搪孔刀架+PST刀把+EBSB25四方柄外徑搪刀

※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	Z	加工 深 A	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
				PST刀把	PST shank					
BT40-WPST150-125	80-200	90	40/36	BT40-PST-070	WPST150	PST	125	70	95	5.7
BT40-WPST200-125	130-250				WPST200					6.8
BT50-WPST150-155	80-200	110		BT50-PST-100	WPST150		155	100		7.6
BT50-WPST150-205		160		BT50-PST-150			205	150		9.3
BT50-WPST150-255		210		BT50-PST-200			255	200		12.1
BT50-WPST150-305		260		BT50-PST-250			305	250		14
BT50-WPST150-355		310		BT50-PST-300			355	300		16
BT50-WPST150-405		360		BT50-PST-350			405	350		18.6
BT50-WPST150-455		410		BT50-PST-400			455	400		21.8
BT50-WPST200-155		130-250		110			BT50-PST-100	WPST200		155
BT50-WPST200-205	160			BT50-PST-150	205		150			10.4
BT50-WPST200-255	210			BT50-PST-200	255		200			13.2
BT50-WPST200-305	260			BT50-PST-250	305		250			15.1
BT50-WPST200-355	310			BT50-PST-300	355		300			17.1
BT50-WPST200-405	360			BT50-PST-350	405		350			19.7
BT50-WPST200-455	410			BT50-PST-400	455		400			22.9
BT50-WPST300-155	230-350			110	BT50-PST-100		WPST300			155
BT50-WPST300-205		160		BT50-PST-150	205			150		12.8
BT50-WPST300-255		210		BT50-PST-200	255			200		15.6
BT50-WPST300-305		260		BT50-PST-250	305			250		17.5
BT50-WPST300-355		310		BT50-PST-300	355			300		19.5
BT50-WPST300-405		360		BT50-PST-350	405			350		22.1
BT50-WPST300-455		410		BT50-PST-400	455			400		25.3
BT50-WPST400-155		330-450		110	BT50-PST-100			WPST400		155
BT50-WPST400-205	160			BT50-PST-150	205		150			15.1
BT50-WPST400-255	210			BT50-PST-200	255		200			17.9
BT50-WPST400-305	260			BT50-PST-250	305		250			19.8
BT50-WPST400-355	310			BT50-PST-300	355		300			21.8
BT50-WPST400-405	360			BT50-PST-350	405		350			24.4
BT50-WPST400-455	410			BT50-PST-400	455		400			27.6

※此規格不含EBSB25/BSB25四方柄外徑搪刀。 ※Option of EBSB25/BSB25 Square Shank External Boring Tool Holder..

※拆掉護蓋，有效深可達到45mm，最小搪孔範圍可達到Ø10mm。

※Applicable Boring Depth up to 45mm with Minimum Boring Range down to Ø10mm after Taking off the Shield.

※刀把詳細尺寸請參閱P.34。

※Please refer to P.34 for detailed tool holder dimensions.

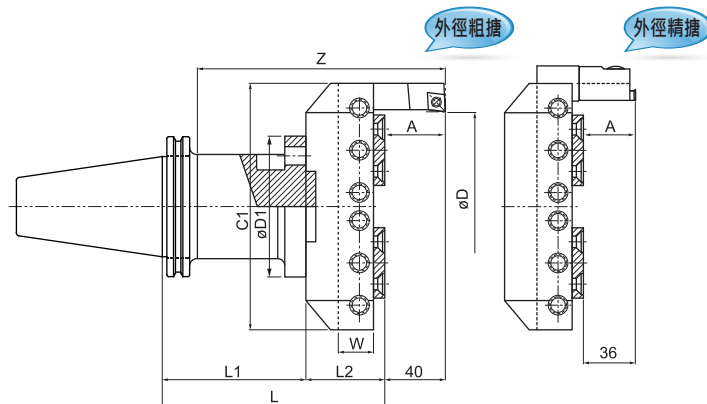
Ø150以上WPST四方柄外徑搪刀+PST刀把 (DIN 69871)

(與刀把組合例二)

Square Shank Large External Boring Head Fitted with WPST Tool Rest + PST Shank (DIN 69871)

(Tool Connection Type Two)

外徑範圍Ø80-Ø450mm External Boring Range from Ø80 - Ø450mm



WPST四方柄搪孔刀架+PST刀把+EBSB25四方柄外徑搪刀

規格 Specifications:

型 號 Type	搪孔範圍 ØD(mm)	Z	加工 深 A	組合內容 Tool Connection		接合型號 PBK No.	全長 L	刀把長 L1	刀把外徑 ØD1	重 量 KG
				PST刀把	PST shank					
SK50-WPST150-155	80-200	133	40/36	BT50-PST-100	WPST150	PST	155	100	95	6.7
SK50-WPST150-205		183		BT50-PST-150			205	150		7.9
SK50-WPST150-255		233		BT50-PST-200			255	200		10.6
SK50-WPST150-305		283		BT50-PST-250			305	250		12.5
SK50-WPST150-355		333		BT50-PST-300			355	300		9.4
SK50-WPST200-155	130-250	133		BT50-PST-100	WPST200		155	100		7.8
SK50-WPST200-205		183		BT50-PST-150			205	150		9.0
SK50-WPST200-255		233		BT50-PST-200			255	200		11.7
SK50-WPST200-305		283		BT50-PST-250			305	250		13.6
SK50-WPST200-355		333		BT50-PST-300			355	300		15.5
SK50-WPST300-155	230-350	133		BT50-PST-100	WPST300		155	100		10.2
SK50-WPST300-205		183		BT50-PST-150			205	150		11.4
SK50-WPST300-255		233		BT50-PST-200			255	200		14.1
SK50-WPST300-305		283		BT50-PST-250			305	250		16.0
SK50-WPST300-355		333		BT50-PST-300			355	300		17.9
SK50-WPST400-155	330-450	133		BT50-PST-100	WPST400		155	100		12.5
SK50-WPST400-205		183		BT50-PST-150			205	150		13.7
SK50-WPST400-255		233		BT50-PST-200			255	200		16.4
SK50-WPST400-305		283		BT50-PST-250			305	250		18.3
SK50-WPST400-355		333		BT50-PST-300			355	300		20.2

※此規格不含EBSB25/BSB25四方柄外徑搪刀。 ※Option of EBSB25/BSB25 Square Shank External Boring Tool Holder..

※拆掉護蓋，有效深可達到45mm，最小搪孔範圍可達到Ø10mm。

※Applicable Boring Depth up to 45mm with Minimum Boring Range down to Ø10mm after Taking off the Shield.

※刀把詳細尺寸請參閱P.35。

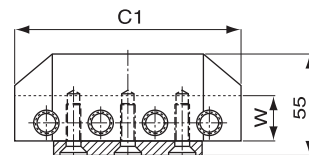
※Please refer to P.35 for detailed tool holder dimensions.

WPST四方柄搪孔刀架

WPST Tool Rest

規格 Specifications:

搪孔刀架型號 Type	接合型號 PBK 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 Weight (kg)	
						合金鋼 Alloy Steel	鋁合金 Alum. Alloy
WPST150	PST	150-260	55	125	25	2.5	1.03
WPST200		200-310		175		3.6	1.50
WPST300		300-410		275		6.0	2.34
WPST400		400-510		375		8.3	3.17

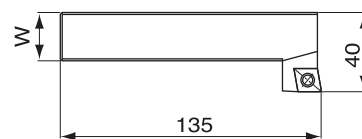


WPST刀盤專用四方柄搪刀

Square Shank Boring Tool holder for WPST Tool Rest

規格 Specifications:

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			TCMT22...	M5	
BSB25-C12-135			CCMT12...	M5	
BSB25-S12-135			SCMT12...	M5	

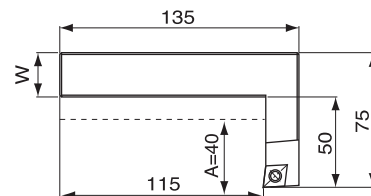


WPST刀盤專用四方柄外徑搪刀

Square Shank External Boring Tool holder for WPST Tool Rest

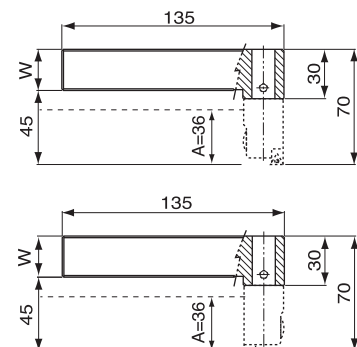
規格 Specifications:

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				CCMT120404	M5	



WPST刀盤專用四方柄 內外徑精搪孔刀架

Internal & External Square Shank Finish Boring Tool Holder for WPST Tool Rest



規格 Specifications:

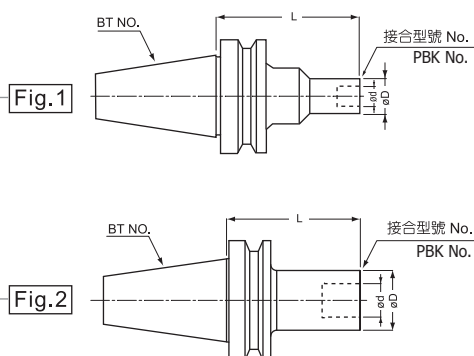
型號 Type	□W (mm)	全長 L (mm)	加工深 A (mm)	適用搪頭 Applicable Boring Heads	適用刀片 Applicable Insert Holder	刀片螺絲 Length	重量 kg Weight
BSB25-PBK2-135	25	135	36	PBH25	TP08	Ø3.2xM2	0.63

※此規格不含搪刀頭

※Boring head is not included.

BT錐柄搪刀刀把 (PBK系列) (MAS 403 BT)

BT Taper Shank for Boring Heads Series PBK



※另提供兩面承靠刀把訂製服務。 ※We also provide Dualdrive chuck custom-made.

規格 Specifications:

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	螺絲 Screw	重量kg Weight
BT30-PBK1-070L	2	70	19	PBH20	CK1-M4xP0.5	0.5
BT30-PBK2-080L		80	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	0.6
BT30-PBK3-080L		80	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	0.7
BT30-PBK4-070L		70	39	PBH40 ; PRH40(LA) ; PBJ 4	CK4-M8xP0.75	0.8
BT30-PBK5-060L		60	50	PBH52 ; PRH52(LA) ; PBJ 5	CK5-M10xP1.0	0.8
BT30-PBK6-060L		60	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	1.0
BT40-PBK1-075L	2	75	19	PBH20	CK1-M4xP0.5	1.0
BT40-PBK1-105L		105	19	PBH20	CK1-M4xP0.5	1.2
BT40-PBK2-085L		85	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	1.1
BT40-PBK2-115L		115	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	1.4
BT40-PBK3-095L		95	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	1.2
BT40-PBK3-125L		125	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	1.5
BT40-PBK3-155L		155	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	1.7
BT40-PBK4-085L		85	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	1.3
BT40-PBK4-130L		130	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	1.9
BT40-PBK4-175L		175	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	2.2
BT40-PBK5-075L		75	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	1.3
BT40-PBK5-125L		125	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	2.3
BT40-PBK5-175L		175	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	3.0
BT40-PBK6-065L		65	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	1.3
BT40-PBK6-115L		115	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	2.7
BT40-PBK6-165L		165	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	3.9
BT50-PBK1-115L	1	115	31/19	PBH20	CK1-M4xP0.5	4.0
BT50-PBK1-145L		145	31/19	PBH20	CK1-M4xP0.5	4.1
BT50-PBK2-110L	2	110	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	3.9
BT50-PBK2-140L		140	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	4.0
BT50-PBK3-125L		125	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	4.1
BT50-PBK3-155L		155	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	4.2
BT50-PBK4-115L		115	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	4.3
BT50-PBK4-145L		145	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	4.4
BT50-PBK4-175L		175	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	4.8
BT50-PBK4-205L		205	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	4.9
BT50-PBK5-105L		105	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	4.5
BT50-PBK5-180L		180	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	5.5
BT50-PBK5-240L		240	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	6.2
BT50-PBK5-300L	1	300	64/50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	7.6
BT50-PBK6-095L	2	95	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	4.5
BT50-PBK6-170L		170	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	6.3
BT50-PBK6-230L		230	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	7.6
BT50-PBK6-290L		290	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	9.0
BT50-PBK6-350L	1	350	90/64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	13.5
★ PBT50-PBK6-350L	2	350	64	PBH68,100,150 ; PBJ6 ; PRH68(LA) ; PRH90(LA)	CK6-M12xP1.0	11.2

★PBT是專為抑制搪孔共振而改良之專用刀桿

★PBT is the improved type dedicated to eliminating resonance in boring

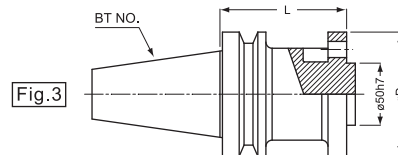
BT錐柄搪刀刀把 (PST系列) (MAS 403 BT)

BT Taper Shank for Boring Heads Series PST

※另提供兩面承靠刀把訂製服務。

※We also provide Dualdrive chuck custom-made.

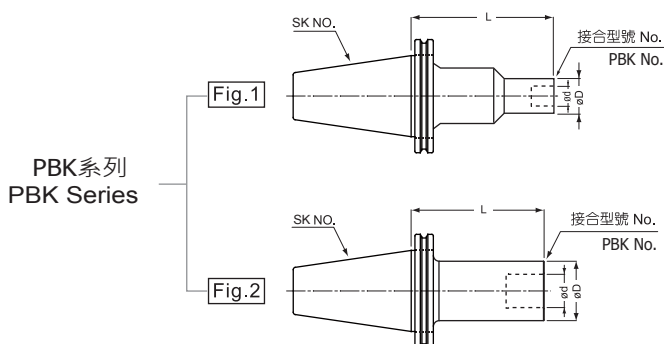
規格 Specifications:



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
BT40-PST-070L	3	70	95	PBH100B,150B ; PBH200~PBH500 ; PRH200,300,400 ; PRH120(LA);PRH160(LA) ; PRH120LA~PRH500LA ; PBR200~PBR500 ; WPST150,200,300,400	3.2
BT50-PST-100L		100			5.1
BT50-PST-150L		150			6.8
BT50-PST-200L		200			9.6
BT50-PST-250L		250			11.5
BT50-PST-300L		300			14.4
BT50-PST-350L		350			16.8
BT50-PST-400L		400			19.3
BT50-FMA47.625-075		75	128	PBH600~PBH1600 ; PRH600LA~PRH900LA ; PBR600~PBR1600	7.0

SK錐柄搪刀刀把 (PBK,PST系列) (DIN 69871)

SK Taper Shank for Boring Heads Series PBK,PST

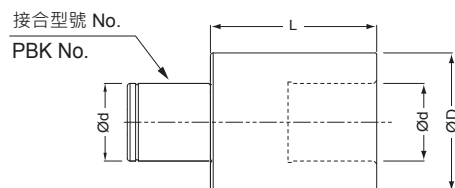


規格 Specifications:

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	螺絲 Screw	重量kg Weight
SK40-PBK1-070L	2	75	19	PBH20	CK1-M4xP0.5	0.9
SK40-PBK2-080L		80	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	1.0
SK40-PBK3-095L		95	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	1.2
SK40-PBK4-085L		85	39	PBH40 ; PRH40(LA) ; PBJ 4	CK4-M8xP0.75	1.3
SK40-PBK5-075L		75	49	PBH52 ; PRH52(LA) ; PBJ 5	CK5-M10xP1.0	1.5
SK40-PBK6-065L		65	64	PBH68 ,100 ,150 ; PRH68(LA) ; PRH90(LA) ; PBJ6	CK6-M12xP1.0	1.4
SK50-PBK1-115L	1	115	19	PBH20	CK1-M4xP0.5	2.9
SK50-PBK2-115L	2	115	24	MBH16 ; PBH25 ; PRH25(LA)	CK2-M5xP0.5	2.8
SK50-PBK2-170L		170				3.0
SK50-PBK3-125L		125	31	PBH32 ; PRH32(LA)	CK3-M6xP0.75	3.0
SK50-PBK3-185L		185				3.3
SK50-PBK4-115L		115	39	PBH40 ; PRH40(LA) ; PBJ4	CK4-M8xP0.75	3.2
SK50-PBK4-205L		205				3.9
SK50-PBK5-105L	1	105	50	PBH52 ; PRH52(LA) ; PBJ5	CK5-M10xP1.0	3.6
SK50-PBK5-300L		300				8.2
SK50-PBK6-095L		95				4.0
SK50-PBK6-230L	2	230	64	PBH68,100,150 ; PRH68(LA) ; PRH90(LA) ; PBJ6	CK6-M12xP1.0	7.0
SK50-PBK6-300L		300				8.6
SK50-PST-100L	3	100	95	PBH100B,150B ; PBH200~PBH500 ; PRH120(LA) ; PRH160(LA) ; PRH200,300,400 ; PRH120LA~PRH500LA ; PBR200~PBR500 ; WPST150 , 200 , 300 , 400	----	4.2
SK50-PST-150L		150				5.4
SK50-PST-200L		200				8.1
SK50-PST-250L		250				10
SK50-PST-300L		300				11.9

等徑搪刀延長桿

Extension(Constant Diameter)

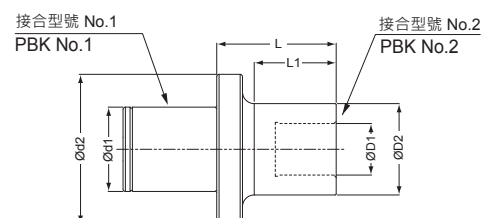


規格 Specifications:

規格 Type	Ød mm	ØD mm	L mm	接合搪刀頭 Applicable Boring Heads	重量 Weight
PBK1-1-30L	11	19	30	PBH20	0.07
PBK2-2-30L	14	24	30	MBH16 ; PBH25 ; PRH25(LA)	0.1
PBK3-3-30L	18	31	30	PBH32 ; PRH32(LA)	0.15
PBK4-4-45L	22	39	45	PBH40 ; PRH40(LA)	0.4
PBK5-5-60L	28	50	60	PBH52 ; PRH52(LA)	0.8
PBK6-6-60L	36	64	60	PBH68,100,150 ; PRH68(LA) ; PRH90(LA)	1.4
PST-PST-100L	50	95	100	PBH100B,150B ; PBH200~PBH500 ; PRH120(LA),160(LA) ; PRH200LA~PRH500LA	5.0

異徑搪刀延長桿

Extension(Reducing)



規格 Specifications:

型 號 Type	Ød 1 mm	Ød 2 mm	ØD1 mm	ØD2 mm	L mm	L1 mm	接 合 搪 刀 頭 Applicable Boring Heads	重量 kg Weight
PBK2-1-36L	14	24	11	19	36	30	PBH20	0.1
PBK3-1-41L	18	31			41	30		0.15
PBK3-2-37L			14	24	37	25	MBH16 ; PBH25 ; PRH25(LA)	0.15
PBK4-1-58L	22	39	11	19	58	40	PBH20	0.3
PBK4-2-50L			14	24	50	36	MBH16 ; PBH25 ; PRH25(LA)	0.3
PBK4-3-50L			18	31	50	37	PBH32 ; PRH32(LA)	0.35
PBK5-1-60L	28	50	11	19	60	40	PBH20	0.45
PBK5-2-54L			14	24	54	35	MBH16 ; PBH25 ; PRH25(LA)	0.45
PBK5-2-74L					74	55		0.5
PBK5-3-47L			18	31	47	29	PBH32 ; PRH32(LA)	0.5
PBK5-3-72L					72	54		0.6
PBK5-4-42L			22	39	42	25	PBH40 ; PRH40(LA)	0.5
PBK5-4-67L					67	50		0.7
PBK6-1-70L	36	64	11	19	70	40	PBH20	0.9
PBK6-2-63L			14	24	63	45	MBH16 ; PBH25 ; PRH25(LA)	0.7
PBK6-2-93L					93	75		0.8
PBK6-3-56L			18	31	56	39	PBH32 ; PRH32(LA)	0.75
PBK6-3-96L					96	79		0.95
PBK6-4-51L			22	39	51	35	PBH40 ; PRH40(LA)	0.85
PBK6-4-101L					101	85		1.3
PBK6-5-41L			28	52	41	25	PBH52 ; PRH52(LA)	0.85
PBK6-5-91L					91	75		1.45
PST-PBK6	50	95	36	64	100	60	PBH68,100,150 ; PRH68(LA) ; PRH90(LA)	3.32

超硬整體碳化鎢製搪刀桿 搪孔範圍Ø16.5 - Ø75mm

Super Hard Solid Tungsten Carbide Boring Bar Boring Range from Ø16.5 - Ø75mm

特色

1. 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(10xD)。
2. 各種規格均有內部水孔，深孔加工時排屑及冷卻效果良好。
3. 直柄結構，加工深度可依加工須求自行調整。
4. 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。

Features

1. 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 (10xD).
2. Standard internal coolant hole is built in every size of the bar, best for cooling and chip evacuation in deep hole boring.
3. Featuring straight shank structure, the bar can be adjusted to different working lengths.
4. 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.

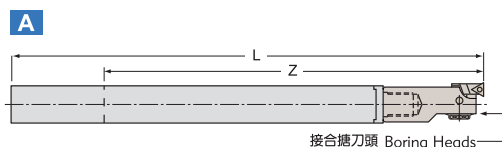


Fig 1

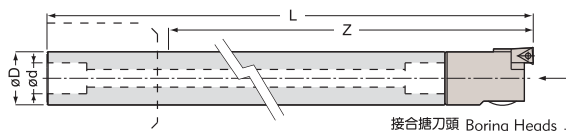


Fig 2

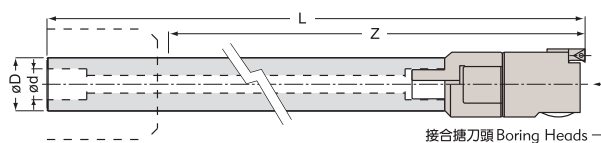


Fig 3

A 碳化鎢直柄搪刀桿 Super Head Solid Tungsten Carbide Boring Bar

規格 Specifications:

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-PBK1-190	2	11	19	225	150	PBH20	20-26	0.8
SC19-PBK1-240				275	200			1
SC24-PBK2-220		14	24	260	180	PBH25	25-33	1.45
SC24-PBK2-280				320	240			1.8
SC32-PBK3-280	3	18	32	320	240	PBH32	33-42	2.8
SC32-PBK3-350				390	310			3.5
SC32-PBK3/4-315		18/22	32/39	365	280	PBH40	40-55	3.1
SC32-PBK3/4-385				435	350			3.8
SC40-PBK4-340	2	22	40	390	310	PBH40	41-55	5
SC40-PBK4-430				480	400			6.5
SC40-PBK4/5-385	3	22/28	40/50	445	360	PBH52	52-75	5.6
SC40-PBK4/5-475				535	450			7.1
ST16-W10-160	1	結合牙M10	16	210	135	MBH16	16.5-20	0.5

※此規格不含搪刀頭。

※Boring head is not included.

※PBK3/4與PBK4/5為小變大異徑延長桿，非碳化鎢材質。

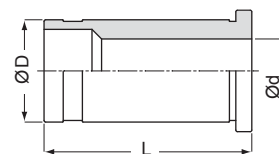
※PBK3/4 and PBK4/5 are adapter from small to large reducing, the material are not solid tungsten carbide.

B 碳化鎢PBK直柄搪刀桿專用套筒 Collet for Super Head Solid Tungsten Carbide Boring Bar

規格 Specifications:

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)
PFC32-16	16	32	65	0.31
PFC32-19	19	32	65	0.25
PFC32-24	24	32	65	0.18

B

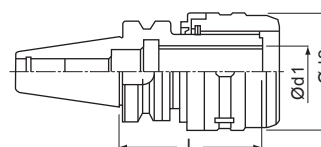


C 強力銑刀刀把及油壓刀把 Power Milling Chuck (PFC) and Hydraulic Chucks (HY)

規格 Specifications:

型號 Type	刀把長 Length L (mm)	內徑 Inside Dia. Ød1 (mm)	外徑 External Dia. Ød2 (mm)	重量 Weight (kg)
BT40-PFC32-090	90	32	69	2.0
BT50-PFC32-105	105	32	69	4.8
BT40-HY32-105	105	32	62.5	2.3
BT50-HY32-115	115	32	62.5	4.9

C

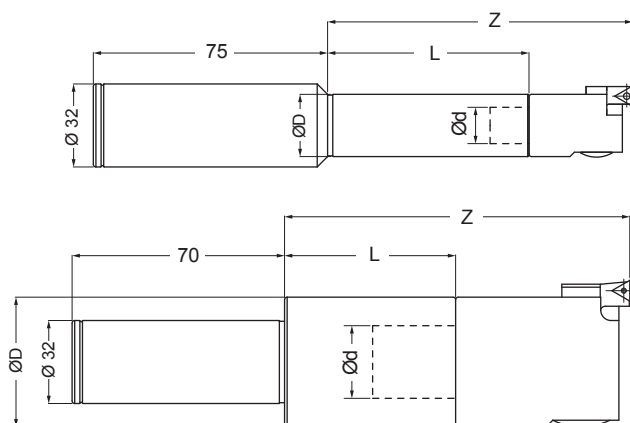


※BT40-HY、BT50-HY為油壓夾頭

※Both BT40-HY and BT50-HY are Hydraulic Chucks.

C32直柄搪刀桿

C32 Straight Shank Boring Bar 接合搪刀頭



規格 Specifications:

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-PBK1-075L	11	19	75	110	PBH20	0.5
C32-PBK2-070L	14	24	70	110	PBH25 ; PRH25 ; PRH25LA	0.55
C32-PBK2-120L	14	24	120	160		0.8
C32-PBK3-070L	18	31	70	110	PBH32 ; PRH32 ; PRH32LA	0.65
C32-PBK3-120L	18	31	120	160		0.95
C32-PBK4-060L	22	39	60	110	PBH40 ; PRH40 ; PRH40LA	0.8
C32-PBK4-110L	22	39	110	160		1.2
C32-PBK5-060L	28	50	60	120	PBH52 ; PRH52 ; PRH52LA	1
C32-PBK5-120L	28	50	120	180		1.95
C32-PBK6-060L	36	64	60	130	PBH68,100,150 ; PRH68 ; PRH90 ; PRH68LA ; PRH90LA	1.55
C32-PBK6-120L	36	64	120	190		2.9

※此規格不含搪刀頭

※Boring head is not included.



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