

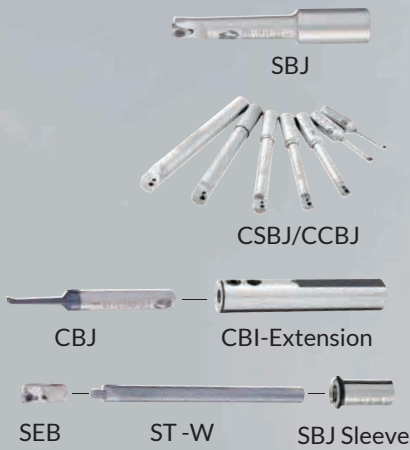


Boring

搪孔模組化示意圖

Modular combination

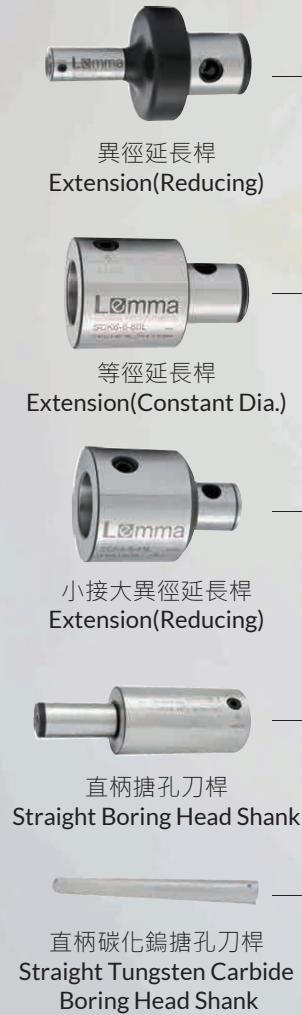
搪刀類
Boring Cutter



搪頭類
Boring Head



延長桿類
Extension



MCK CK



MCK.CK
Boring Head Shank

BST



BST
Boring Head Shank

搪頭類 Boring Head



SMB大孔徑(精搪)
Large Dia. Finish Boring Head



SRW大孔徑(粗搪)
Large Dia. Roughing Boring Head



CBH大孔徑(精搪)
Large Dia. Finish Boring Head



RBH-LA大孔徑(粗搪)
Large Dia. Roughing Boring Head



RBH120.160大孔徑(粗搪)
Large Dia. Roughing Boring Head



RBH200以上大孔徑(粗搪)
Large Dia. Roughing Boring Head

NBH



BT/NT 粗 / 精搪孔頭刀桿
BT/NT Boring Head Shank



NBH2084S 精密搪孔頭
NBH2084S Precision Boring Head



SBJ-20 替換式搪孔刀柄
SBJ-20 Interchangeable Boring Cutter

Boring Head

SMB特點

搭配MCK系列刀桿並可與CK系統刀桿相容，另有PSC三角錐結構可與BT-PSC刀桿結合，並採模組化設計，連結不同長度之延長桿，解決加工需求並有更多的搭配性。

微調單位:每刻度移動量為0.01mm。

替換式刀座設計，可模組化組合使用。

Suitable for combining with MCK series of tool holders as well as CK series of tool holders. Another PSC structure can be combined with BT-PSC arbor, The modular design connects the extension rods of different lengths to solve the processing needs and has more matching. Micro-adjustment unit: each unit is 0.01mm. The insert seat has an exchangeable design and can be used after combination.



SIC-1



SIC-2

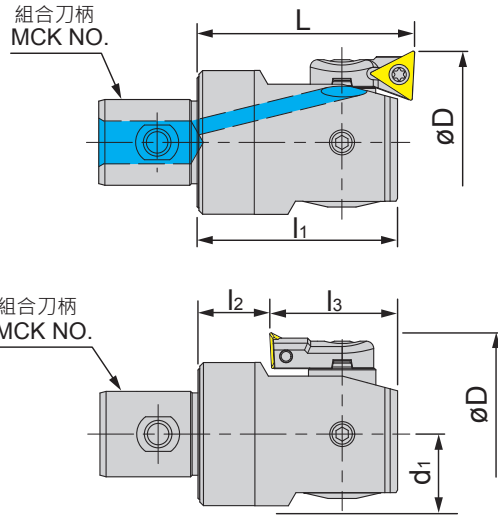


SIC-3

SIC刀座，可完全包覆住心軸，提升穩固性。三種尺寸刀座，可加大搪孔範圍，搪孔範圍 $\varnothing 25 \sim \varnothing 203\text{mm}$ 。2號及3號刀座，皆能做背搪加工，1號刀座僅SMB53、SMB68、SMB100，才能做背搪加工。

SIC insert holder can be completely coated to live spindle and enhance stability. Three type insert holder can increase the range of Boring, boring range $\varnothing 25$ to $\varnothing 203\text{mm}$. SIC-2 and SIC-3 insert holder can do back boring processing, SIC-1 insert holder can do back boring processing only SMB53、SMB68、SMB100.

Feature



搪孔範圍 ø25~203 Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
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特點 Feature

- 精搪孔專用
- 微調單位：每刻度移動量為 $\phi 0.01\text{mm}$
- 搪頭內藏式出水孔，可以有效沖刷屑片，提高加工效果
- 替換式刀座設計，可模組化組合使用
- 組合搭配 MCK 系列刀桿或是相容於 CK 系列刀桿
- For finish boring.
- Micro-adjustment unit: each unit is 0.01 mm.
- The insert seat is designed to have a coolant holes at sides, which can remove the metal chips effectively and raise the manufacturing effect.
- The insert seat has an exchangeable design and can be used after modular.
- Suitable for combining with MCK series of tool holders as CK series of tool holders.

規格 Spec.	øD 搪孔範圍 Boring Range(正搪)				øD 搪孔範圍 Boring Range(背搪)					組合刀柄 Mck No.	刀片座 Insert Holder	刀片 Insert	重量 (KGS) Weight
	Min.	Max.	L	l ₁	Min.	Max.	l ₂	l ₃	d ₁				
SMB 20	20	26	32.5	29.5	-	-	10.5	19.5	10	CK 1	SIB20-1/SIC20-1	TB..0601 TP..0802	0.07
	25	31	32.5	29.5	30	31	10.5	19.5	10	CK 1	SIB20-2/SIC20-2		0.07
	30	36	32.5	29.5	30	36	10.5	19.5	10	CK 1	SIB20-3/SIC20-3		0.07
SMB 25	25	33	35.5	32.5	-	-	11.5	21	12.5	CK 2	SIB25-1/SIC25-1	TB..0601 TP..0802	0.12
	32	40	35.5	32.5	36	40	11.5	21	12.5	CK 2	SIB25-2/SIC25-2		0.12
	39	47	35.5	32.5	39	47	11.5	21	12.5	CK 2	SIB25-3/SIC25-3		0.12
SMB 32	32	42	40	35	-	-	10	25	16	CK 3	SIB32-1/SIC32-1	TB..0601 TP..0802	0.21
	41	51	40	35	46	51	10	25	16	CK 3	SIB32-2/SIC32-2		0.21
	50	60	40	35	50	60	10	25	16	CK 3	SIB32-3/SIC32-3		0.21
SMB 41	41	54	47	43	-	-	14	29	20	CK 4	SIB41-1/SIC41-1	TP..0902 TC..1102	0.40
	50	63	47	43	53	63	14	29	20	CK 4	SIB41-2/SIC41-2		0.40
	61	74	47	43	61	74	14	29	20	CK 4	SIB41-3/SIC41-3		0.40
SMB 53	53	70	57	53	62	70	19	34	25.5	CK 5	SIB53-1/SIC53-1	TP..0902 TC..1102	1.10
	65	82	57	53	65	82	19	34	25.5	CK 5	SIB53-2/SIC53-2		1.10
	78	95	57	53	78	95	19	34	25.5	CK 5	SIB53-3/SIC53-3		1.10
SMB 68	68	100	71	67.2	80	100	22	45.2	32.5	CK 6	SIB68-1/SIC68-1	TP..0902 TC..1102	1.74
	94	126	71	67.2	94	126	22	45.2	32.5	CK 6	SIB68-2/SIC68-2		1.74
	118	150	71	67.2	118	150	22	45.2	32.5	CK 6	SIB68-3/SIC68-3		1.74
SMB100	100	153	71	67.2	112	153	22	45.2	45.5	CK 6	SIB68-1/SIC68-1	TP..0902 TC..1102	2.46
	126	179	71	67.2	126	179	22	45.2	45.5	CK 6	SIB68-2/SIC68-2		2.46
	150	203	71	67.2	150	203	22	45.2	45.5	CK 6	SIB68-3/SIC68-3		2.46

- 標準配備附為 SIB □□ -1 刀片座 · SIB/C □□ -2 · SIB/C □□ -3 需另購
 -Standard marting part SIB □□ -1, SIB/C □□ -2, SIB/C □□ -3 is ordered separately

• 長度單位 Unit of Length (mm)

BORING



3°

規格 Spec.	刀座形狀 Insert Holder	組合搪頭	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SIB20-1	 使用刀片 TB..0601 TP..0802	SMB 20	M2-5.0-2.7-60	T6	0.6	-
SIB20-2		-				
SIB20-3		-				
SIB25-1		-				
SIB25-2		-				
SIB25-3		-				
SIB32-1		-				
SIB32-2		-				
SIB32-3		-				
SIB41-1	 使用刀片 TP..0902 TC..1102	SMB 41	M2.5-6.0-3.5-60	T8	1.2	-
SIB41-2		-				
SIB41-3		-				
SIB53-1		-				
SIB53-2		-				
SIB53-3		-				
SIB68-1		-				
SIB68-2		-				
SIB68-3		-				

0°

規格 Spec.	刀座形狀 Insert Holder	組合搪頭	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SIB20-1E	 使用刀片 TB..0601 TP..0802	SMB 20	M2-5.0-2.7-60	T6	0.6	-
SIB20-2E		-				
SIB20-3E		-				
SIB25-1E		-				
SIB25-2E		-				
SIB25-3E		-				
SIB32-1E		-				
SIB32-2E		-				
SIB32-3E		-				
SIB41-1E	 使用刀片 TP..0902 TC..1102	SMB 41	M2.5-6.0-3.5-60	T8	1.2	0.03
SIB41-2E		-				
SIB41-3E		-				
SIB53-1E		-				
SIB53-2E		-				
SIB53-3E		-				
SIB68-1E		-				
SIB68-2E		-				
SIB68-3E		-				



3°

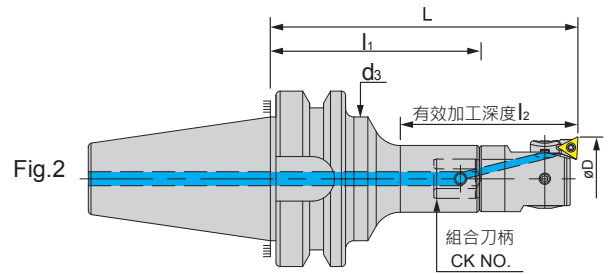
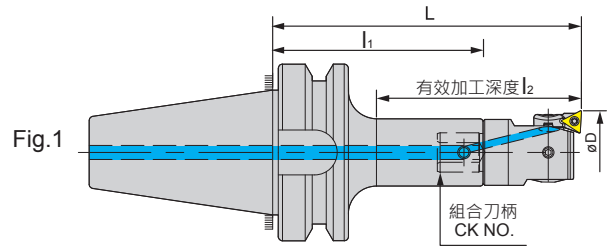
規格 Spec.	刀座形狀 Insert Holder	組合搪頭	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SIC20-1	 使用刀片 TB..0601 TP..0802	SMB 20	M2-5.0-2.7-60	T6	0.6	-
SIC20-2		-				
SIC20-3		-				
SIC25-1		0.02				
SIC25-2		0.02				
SIC25-3		0.02				
SIC32-1		0.02				
SIC32-2		0.02				
SIC32-3		0.02				
SIC41-1	 使用刀片 TP..0902 TC..1102	SMB 41	M2.5-6.0-3.5-60	T8	1.2	0.03
SIC41-2		0.03				
SIC41-3		0.03				
SIC53-1		0.04				
SIC53-2		0.04				
SIC53-3		0.04				
SIC68-1		0.06				
SIC68-2		0.06				
SIC68-3		0.06				

0°

規格 Spec.	刀座形狀 Insert Holders	組合搪頭	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SIC20-1E	 使用刀片 TB..0601 TP..0802	SMB 20	M2-5.0-2.7-60	T6	0.6	-
SIC20-2E		-				
SIC20-3E		-				
SIC25-1E		-				
SIC25-2E		-				
SIC25-3E		-				
SIC32-1E		-				
SIC32-2E		-				
SIC32-3E		-				
SIC41-1E	 使用刀片 TP..0902 TC..1102	SMB 41	M2.5-6.0-3.5-60	T8	1.2	-
SIC41-2E		-				
SIC41-3E		-				
SIC53-1E		-				
SIC53-2E		-				
SIC53-3E		-				
SIC68-1E		-				
SIC68-2E		-				
SIC68-3E		-				

規格 Spec.	Mck No.	工件材質 Material	刀片 Insert		切削速度 (m/min)	切削量 (mm/Ø)	進給量 (mm/rev)	
			刀片 R 角	刀片材質 Insert Material			推薦值	Max.
SMB20	MCK1 CK1	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 120 60 180 200 400	0.15 0.15 0.10 0.15 0.20 0.20	0.06 0.06 0.06 0.06 0.10 0.06	0.15 0.15 0.10 0.15 0.15 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						
SMB25	MCK2 CK2	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 120 60 180 200 400	0.15 0.15 0.10 0.15 0.20 0.20	0.06 0.06 0.06 0.06 0.10 0.06	0.15 0.15 0.10 0.15 0.15 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						
SMB32	MCK3 CK3	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 150 80 200 300 800	0.20 0.20 0.10 0.15 0.25 0.25	0.06 0.06 0.06 0.06 0.10 0.10	0.15 0.15 0.10 0.10 0.15 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						
SMB41	MCK4 CK4	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 150 80 200 300 800	0.25 0.25 0.10 0.20 0.30 0.30	0.06 0.06 0.08 0.10 0.12 0.12	0.15 0.15 0.10 0.10 0.15 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						
SMB53	MCK5 CK5	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 150 80 200 300 800	0.25 0.25 0.10 0.20 0.30 0.30	0.10 0.10 0.10 0.10 0.16 0.12	0.15 0.15 0.10 0.10 0.28 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						
SMB68 SMB100	MCK6 CK6	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.2/0.4	RM4030 RM1205 CBN250 CBN500 RM5005 PCD	180 150 80 200 300 800	0.25 0.25 0.10 0.20 0.30 0.30	0.10 0.10 0.10 0.10 0.16 0.12	0.15 0.15 0.10 0.10 0.28 0.15
		不鏽鋼 Stainless Steels						
		鑄鐵 Cast Iron						
		球墨鑄鐵 Nodular Cast Iron						
		鋁合金 Aluminum Alloy						
		碳鋼、合金鋼 Carbon steel . Alloyed Steels						

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整。
 - The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.



搪孔範圍 ø25~203 Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
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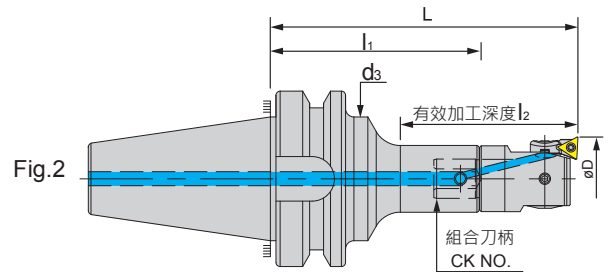
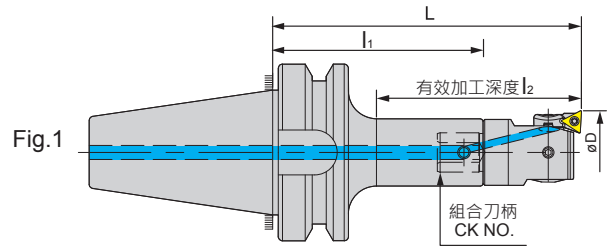
規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Combination		組合刀柄 ck No.	L	l ₁	有效加工深度 l ₂	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 Boring Head						
BT30 - SMB25 - 115	25	47	BT30-CK2-80	SMB25	CK2	115.5	80	85.5	1	0.92
BT30 - SMB32 - 120	32	60	BT30-CK3-80	SMB32	CK3	120	80	96	1	1.11
BT30 - SMB41 - 117	41	74	BT30-CK4-70	SMB41	CK4	117	70	87	1	1.40
BT30 - SMB53 - 117	53	95	BT30-CK5-60	SMB53	CK5	117	60	87	1	2.20
BT30 - SMB68 - 131	68	150	BT30-CK6-60	SMB68	CK6	131	60	101	1	1.94
BT30 - SMB100 - 131	100	203	BT30-CK6-60	SMB100	CK6	131	60	101	1	-
BT40 - SMB25 - 120	25	47	BT40-CK2-85	SMB25	CK2	120.5	85	85.5	2	1.32
BT40 - SMB32 - 135	32	60	BT40-CK3-95	SMB32	CK3	135	95	100	1	1.51
BT40 - SMB41 - 132	41	74	BT40-CK4-85	SMB41	CK4	132	85	97	1	1.85
BT40 - SMB41 - 177	41	74	BT40-CK4-130	SMB41	CK4	177	130	142	1	1.90
BT40 - SMB53 - 132	53	95	BT40-CK5-75	SMB53	CK5	132	75	97	1	2.80
BT40 - SMB53 - 182	53	95	BT40-CK5-125	SMB53	CK5	182	125	147	1	3.05
BT40 - SMB68 - 136	68	150	BT40-CK6-65	SMB68	CK6	136	65	101	1	3.89
BT40 - SMB100 - 136	100	203	BT40-CK6-65	SMB100	CK6	136	65	101	1	-

- 標準配備附為 SIB □□ -1 刀片座，SIB □□ -2、SIB □□ -3 需另購。
- 訂購時請說明使用刀座型號。
- SIB、SIC 刀片的相關資料請參照 A290-A291。
- 刀片座有三種型式可交換使用，增大加工範圍。
- < 例 > BT50-SMB25-140 不同刀片座的加工範圍。

- Standard mating part SIB □□ -1, SIB/C □□ -2, SIB/C □□ -3 is ordered separately.
- Please inform the spec / model no. for insert holder when ordering.
- For related information of SIB, SIC inserts, please refer to A290-A291.
- There are three kinds of insert holders for selection for the different cutting range.
- for example: BT50-SMB25-140 has different cutting range for different insert holder.

標準型刀片座 Standard insert holder	另購型刀片座 In additional purchased insert holder	
SIB25-1	SIB25-2	SIB25-3
Ø25~Ø33	Ø32~Ø40	Ø39~Ø47

• 長度單位 Unit of Length (mm)



搪孔範圍 ø25~203 Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
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規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Combination		組合刀柄 ck No.	L	l ₁	有效加工深度 l ₂	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 Boring Head						
BT50-SMB25-145	25	47	BT50-CK2-110	SMB25	CK2	145	110	100.5	2	4.12
BT50-SMB25-175	25	47	BT50-CK2-140	SMB25	CK2	175	140	130.5	2	4.22
BT50-SMB32-165	32	60	BT50-CK3-125	SMB32	CK3	165	125	120	1	4.61
BT50-SMB32-195	32	60	BT50-CK3-155	SMB32	CK3	195	155	150	1	4.81
BT50-SMB41-162	41	74	BT50-CK4-115	SMB41	CK4	162	115	117	1	5.20
BT50-SMB41-192	41	74	BT50-CK4-145	SMB41	CK4	192	145	147	1	5.60
BT50-SMB53-162	53	95	BT50-CK5-105	SMB53	CK5	162	105	117	1	6.50
BT50-SMB53-237	53	95	BT50-CK5-180	SMB53	CK5	237	180	192	1	7.30
BT50-SMB53-297	53	95	BT50-CK5-240	SMB53	CK5	297	240	252	1	7.50
BT50-SMB68-166	68	150	BT50-CK6-95	SMB68	CK6	166	95	121	1	7.65
BT50-SMB68-241	68	150	BT50-CK6-170	SMB68	CK6	241	170	196	1	8.25
BT50-SMB68-301	68	150	BT50-CK6-230	SMB68	CK6	301	230	256	1	8.65
BT50-SMB68-361	68	150	BT50-CK6-290	SMB68	CK6	361	290	316	1	-
BT50-SMB68-421	68	150	BT50-CK6-350	SMB68	CK6	421	350	371	1	-
BT50-SMB100-166	100	203	BT50-CK6-95	SMB100	CK6	166	95	121	1	-
BT50-SMB100-241	100	203	BT50-CK6-170	SMB100	CK6	241	170	196	1	-
BT50-SMB100-301	100	203	BT50-CK6-230	SMB100	CK6	301	230	256	1	-
BT50-SMB100-361	100	203	BT50-CK6-290	SMB100	CK6	361	290	316	1	-
BT50-SMB100-421	100	203	BT50-CK6-350	SMB100	CK6	421	350	371	1	-

- 標準配備附為 SIB □□-1 刀片座，SIB □□-2、SIB □□-3 需另購。
- 訂購時請說明使用刀片型號。
- SIB、SIC 刀片的相關資料請參照 A290-A291。
- 刀片座有三種型式可交換使用，增大加工範圍。
- < 例 > BT50-SMB25-140 不同刀片座的加工範圍。

- Standard mating part SIB □□-1, SIB/C □□-2, SIB/C □□-3 is ordered separately.
- Please inform the spec / model no. for insert holder when ordering.
- For related information of SIB, SIC inserts, please refer to A290-A291.
- There are three kinds of insert holders for selection for the different cutting range.
- for example: BT50-SMB25-140 has different cutting range for different insert holder.

標準型刀片座 Standard insert holder	另購型刀片座 In additional purchased insert holder	
SIB25-1	SIB25-2	SIB25-3
Ø25~Ø33	Ø32~Ø40	Ø39~Ø47

• 長度單位 Unit of Length (mm)

Feature

SCK特點

使用CCMT刀片，適合重切削及斷續切削，SCK80102-C採用替換式刀座設計，增加搪孔範圍，並可降低維修成本

Use CCMT inserts are suitable for rough boring, heavy and interrupted cutting. The insert seat of SCK80102-C type has an exchangeable design, increase the range of boring and reduces maintenance costs.

微調螺絲，轉動時雙刃可同時移動

Fine-tuning screw, two insert seats at the same time move.

微調單位：每一刻度移動量1mm，直徑為 $\varnothing 2\text{mm}$ ，搪孔範圍 $\varnothing 24 \sim \varnothing 220\text{mm}$

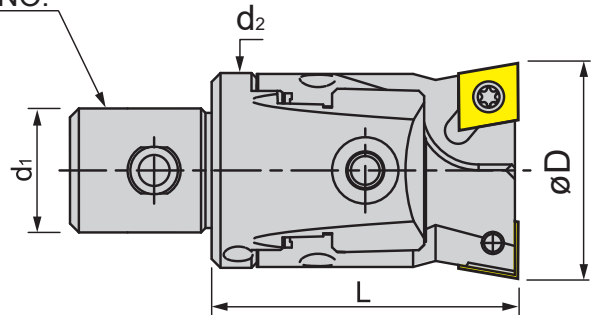
Micro-adjustment unit: 1mm of each, diameter $\varnothing 2\text{mm}$, boring range $\varnothing 24 \sim \varnothing 220\text{mm}$.



採一體式本體，加強包覆刀座力量

Adopt one body, Strengthen the inserts seat strength.

Boring Head


 組合刀柄
CK NO.


搪孔範圍
ø24~220
Boring Range

精度
0.2mm
Accuracy

特點 Feature

- 雙刃微調同時移動 · 適用於大進給 (F) 切削

- Both inserts operate with a fine adjustment and simultaneous movement, suitable for big feeding (F) cutting.

規格 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 Mck No.	L	d ₁	d ₂	鎖固螺絲 Screw	鎖固扳手 Wrench	扭力值 (N.m) Torque	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.												
SCK2430-C	24	30	CK2	34	14	22	M4	PL3	3.0	CC..0602	M2.5-6.45-3.7-43	T8	1.4	0.19
SCK2940-C	29	40	CK2	42	14	27	M5	PL4	4.0	CC..09T3	M4-10-5.7-60	T15	3.0	0.19
SCK3950-C	39	50	CK3	45	18	32	M5	PL4	5.0	CC..09T3	M4-10-5.7-60	T15	3.0	0.19
SCK4965-C	49	65	CK4	56	22	42	M6	PL5	6.0	CC..1204	M5-11-7.5-60	T20	5.0	0.10
SCK6382-C	63	82	CK5	66	28	54	M8	PL6	10.0	CC..1204	M5-11-7.5-60	T20	5.0	0.20
SCK80102-C	80	102	CK6	86	36	68	M10	PL8	12.0	CC..1204	M5-11-7.5-60	T20	5.0	2.30
SCK100125-C	100	125	MCK7	100	46	85	M10	PL8	12.0	CC..1204	M5-11-7.5-60	T20	5.0	4.00
SCK125160-C	125	160	MCK7	100	46	110	M10	PL8	12.0	CC..1204	M5-11-7.5-60	T20	5.0	6.16
SCK160220-C	160	220	MCK7	100	46	145	M10	PL8	12.0	CC..1204	M5-11-7.5-60	T20	5.0	8.10

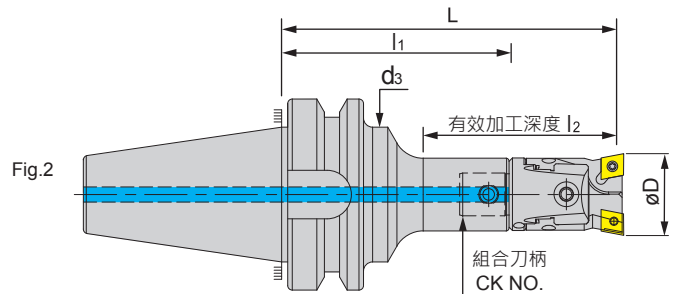
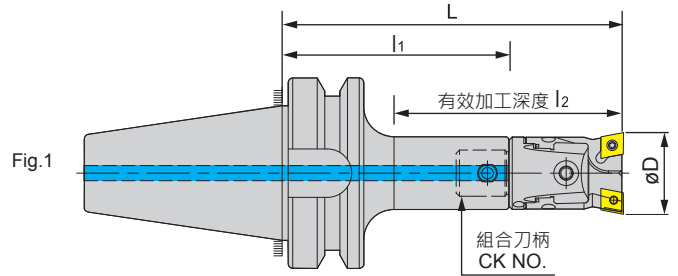


CCMT 刀片適用粗搪、重及斷續切削。
CCMT inserts are suitable for rough boring, heavy and interrupted cutting.



搪孔範圍
ø24~220
Boring Range

精度
0.2mm
Accuracy



規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Combination		組合刀柄 ck No.	L	l ₁	有效加工深度 l ₂	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 Boring Head						
BT30-SCK2430C-114	24	30	BT30-CK2-80	SCK2430-C	CK2	114	80	84	1	1.17
BT30-SCK2940C-122	30	40	BT30-CK2-80	SCK2940-C	CK2	122	80	92	1	1.21
BT30-SCK3950C-125	39	50	BT30-CK3-80	SCK3950-C	CK3	125	80	95	1	1.31
BT30-SCK4965C-126	49	65	BT30-CK4-70	SCK4965-C	CK4	126	70	96	1	1.59
BT30-SCK6382C-126	63	82	BT30-CK5-60	SCK6382-C	CK5	126	60	96	1	1.75
BT30-SCK80102C-146	80	102	BT30-CK6-60	SCK80102-C	CK6	146	60	116	1	2.25
BT40-SCK2430C-119	24	30	BT40-CK2-85	SCK2430-C	CK2	119	85	84	2	1.57
BT40-SCK2940C-127	30	40	BT40-CK2-85	SCK2940-C	CK2	127	85	92	2	1.61
BT40-SCK3950C-140	39	50	BT40-CK3-95	SCK3950-C	CK3	140	95	105	1	1.71
BT40-SCK4965C-141	49	65	BT40-CK4-85	SCK4965-C	CK4	141	85	106	1	2.04
BT40-SCK4965C-186	49	65	BT40-CK4-130	SCK4965-C	CK4	186	130	151	1	2.09
BT40-SCK6382C-141	63	82	BT40-CK5-75	SCK6382-C	CK5	141	75	106	1	2.35
BT40-SCK6382C-191	63	82	BT40-CK5-125	SCK6382-C	CK5	191	125	156	1	2.60
BT40-SCK80102C-151	80	102	BT40-CK6-65	SCK80102-C	CK6	151	65	116	1	3.20

選配表 Option

拉頭 Pull Stud



B645-B647

• 長度單位 Unit of Length (mm)

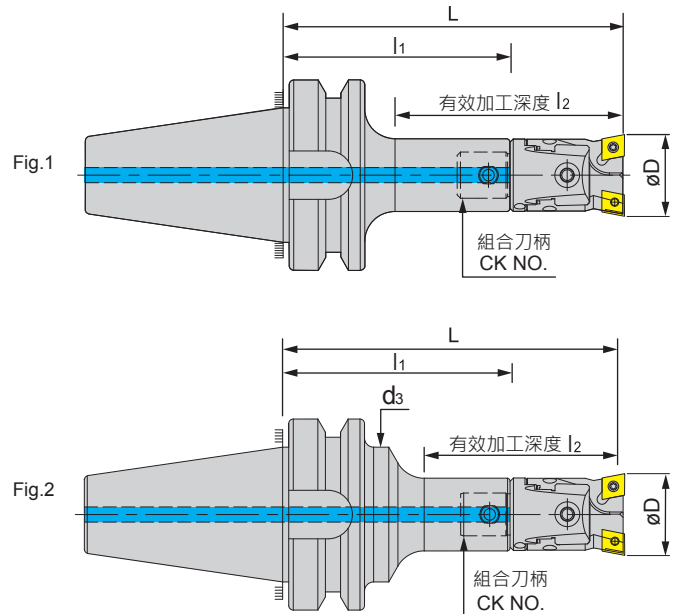


BT/SCK 搪孔頭刀桿 BT/SCK BORING HEAD SHANK



搪孔範圍
 ø24~220
 Boring Range

精度
 0.2mm
 Accuracy



規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Combination		組合刀柄 ck No.	L	l ₁	有效加工深度 l ₂	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 Boring Head						
BT50-SCK2430C-144	24	30	BT50-CK2-110	SCK2430-C	CK2	144	110	99	2	4.37
BT50-SCK2430C-174	24	30	BT50-CK2-140	SCK2430-C	CK2	174	140	129	2	4.47
BT50-SCK2940C-152	30	40	BT50-CK2-110	SCK2940-C	CK2	152	110	107	2	4.41
BT50-SCK2940C-182	30	40	BT50-CK2-140	SCK2940-C	CK2	182	140	137	2	4.51
BT50-SCK3950C-170	39	50	BT50-CK3-125	SCK3950-C	CK3	170	125	125	1	4.81
BT50-SCK3950C-200	39	50	BT50-CK3-155	SCK3950-C	CK3	200	155	155	1	5.01
BT50-SCK4965C-171	49	65	BT50-CK4-115	SCK4965-C	CK4	171	115	126	1	5.39
BT50-SCK4965C-201	49	65	BT50-CK4-145	SCK4965-C	CK4	201	145	156	1	5.79
BT50-SCK6382C-171	63	82	BT50-CK5-105	SCK6382-C	CK5	171	105	126	1	6.05
BT50-SCK6382C-246	63	82	BT50-CK5-180	SCK6382-C	CK5	246	180	201	1	6.85
BT50-SCK6382C-306	63	82	BT50-CK5-240	SCK6382-C	CK5	306	240	261	1	7.05
BT50-SCK80102C-181	80	102	BT50-CK6-95	SCK80102-C	CK6	181	95	136	1	6.95
BT50-SCK80102C-256	80	102	BT50-CK6-170	SCK80102-C	CK6	256	170	211	1	7.55
BT50-SCK80102C-316	80	102	BT50-CK6-230	SCK80102-C	CK6	316	230	271	1	7.95
BT50-SCK80102C-376	80	102	BT50-CK6-290	SCK80102-C	CK6	376	290	331	1	-
BT50-SCK80102C-436	80	102	BT50-CK6-350	SCK80102-C	CK6	436	350	386	1	-

BORING

選配表 Option



• 長度單位 Unit of Length (mm)

搪孔刀片切削數據表

BORING HEAD INSERT CUTTING CONDITIONS

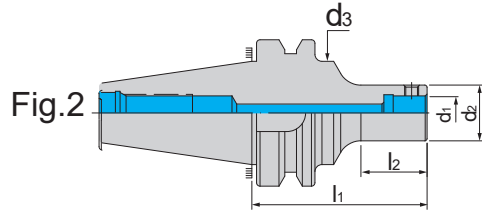
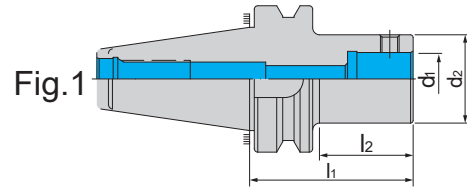
規格	Mck No.	工件材質	刀片		切削速度 (m/min)	切削量 (mm/Ø)		進給量 (mm/rev)	
			刀片 R 角	刀片材質		推薦值	Max.	推薦值	Max.
SCK2430-C	MCK2 CK2	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	2.5	3.5	0.25	0.35
		不鏽鋼 Stainless Steels		OM4010	140	2.0	3.0	0.25	0.35
		鑄鐵 Cast Iron		RM315	120	2.5	3.5	0.30	0.35
		鋁合金 Aluminum Alloy		RM5005	160	3.5	4.5	0.35	0.40
SCK2940-C	MCK2 CK2	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	3.5	4.0	0.25	0.40
		不鏽鋼 Stainless Steels		OM4010	140	3.0	4.0	0.30	0.35
		鑄鐵 Cast Iron		RM315	120	3.5	4.0	0.35	0.40
		鋁合金 Aluminum Alloy		RM5005	160	4.0	5.0	0.40	0.45
SCK3950-C	MCK3 CK3	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	4.5	5.5	0.30	0.45
		不鏽鋼 Stainless Steels		OM4010	140	4.0	5.5	0.35	0.45
		鑄鐵 Cast Iron		RM315	120	4.5	5.5	0.40	0.45
		鋁合金 Aluminum Alloy		RM5005	160	6.0	8.0	0.45	0.50
SCK4965-C	MCK4 CK4	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	6.0	8.0	0.30	0.50
		不鏽鋼 Stainless Steels		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵 Cast Iron		RM315	120	6.0	8.0	0.45	0.50
		鋁合金 Aluminum Alloy		RM5005	160	8.0	10.0	0.45	0.55
SCK6382-C	MCK5 CK5	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	6.0	8.0	0.35	0.50
		不鏽鋼 Stainless Steels		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵 Cast Iron		RM315	120	6.0	8.0	0.45	0.50
		鋁合金 Aluminum Alloy		RM5005	160	8.0	10.0	0.45	0.55
SCK80102-C	MCK6 CK6	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	6.0	8.0	0.35	0.50
		不鏽鋼 Stainless Steels		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵 Cast Iron		RM315	120	6.0	8.0	0.45	0.50
		鋁合金 Aluminum Alloy		RM5005	160	8.0	10.0	0.45	0.55
SCK100125-C SCK125160-C SCK160220-C	MCK7	碳鋼、合金鋼 Carbon steel . Alloyed Steels	0.4/0.8	RM4035	140	6.0	8.0	0.35	0.50
		不鏽鋼 Stainless Steels		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵 Cast Iron		RM315	120	6.0	8.0	0.45	0.50
		鋁合金 Aluminum Alloy		RM5005	160	8.0	10.0	0.45	0.55

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整

-The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.

• 長度單位 Unit of Length (mm)

細牙
Fine Teeth



特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Compatible tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Use locking screw preventing oil to prevent excessive torque due to boring processing, resulting in seizure of the thread is difficult to remove the assembly screws.

規格 Spec.	l ₁	l ₂	d ₁	d ₂	d ₃	側邊螺絲 Screw	Fig.	重量 (KGS) Weight
BT30-CK1-70L	70	40	11	19	-	M4-0.5P-5L	1	0.50
BT30-CK2-80L	80	50	14	24	-	M5-0.5P-6.5L	1	0.60
BT30-CK3-80L	80	50	18	31	-	M6-0.75P-8L	1	0.70
BT30-CK4-70L	70	40	22	39	-	M8-0.75P-11L	1	0.80
BT30-CK5-60L	60	30	28	50	-	M10-1.0P-14L	1	0.80
BT30-CK6-60L	60	30	36	64	-	M12-1.0P-18L	1	1.00
BT40-CK1-75L	75	40	11	19	-	M4-0.5P-5L	1	1.00
BT40-CK1-105L	105	70	11	19	-	M4-0.5P-5L	1	1.20
BT40-CK2-85L	85	50	14	24	-	M5-0.5P-6.5L	1	1.10
BT40-CK2-115L	115	80	14	24	-	M5-0.5P-6.5L	1	1.40
BT40-CK3-95L	95	60	18	31	-	M6-0.75P-8L	1	1.20
BT40-CK3-125L	125	90	18	31	-	M6-0.75P-8L	1	1.50
BT40-CK3-155L	155	120	18	31	-	M6-0.75P-8L	1	1.70
BT40-CK4-85L	85	50	22	39	-	M8-0.75P-11L	1	1.30
BT40-CK4-130L	130	95	22	39	-	M8-0.75P-11L	1	1.90
BT40-CK4-175L	175	140	22	39	-	M8-0.75P-11L	1	2.20
BT40-CK5-75L	75	40	28	50	-	M10-1.0P-14L	1	1.30
BT40-CK5-125L	125	90	28	50	-	M10-1.0P-14L	1	2.30
BT40-CK5-175L	175	140	28	50	-	M10-1.0P-14L	1	3.00
BT40-CK6-65L	65	30	36	64	-	M12-1.0P-18L	1	1.30
BT40-CK6-115L	115	80	36	64	-	M12-1.0P-18L	1	2.70
BT40-CK6-165L	165	130	36	64	-	M12-1.0P-18L	1	3.90

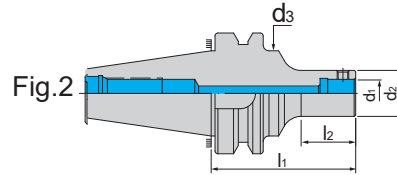
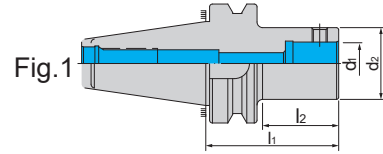
選配表 Option

拉頭 Pull Stud	延長桿 Extension Spacer	搪頭 Boring Head					
B645-B647	B708-B709	B687	B694	B746	B717	B727	B730

• 長度單位 Unit of Length (mm)



細牙
Fine Teeth



規格 Spec.	l_1	l_2	d_1	d_2	d_3	側邊螺絲 Screw	Fig.	重量 (KGS) Weight
BT50-CK1-115L	115	40	11	19	31	M4-0.5P-5L	2	4.00
BT50-CK1-145L	145	70	11	19	31	M4-0.5P-5L	2	4.10
BT50-CK2-110L	110	65	14	24	-	M5-0.5P-6.5L	1	3.90
BT50-CK2-140L	140	95	14	24	-	M5-0.5P-6.5L	1	4.00
BT50-CK3-125L	125	80	18	31	-	M6-0.75P-8L	1	4.10
BT50-CK3-155L	155	110	18	31	-	M6-0.75P-8L	1	4.20
BT50-CK4-115L	115	70	22	39	-	M8-0.75P-11L	1	4.30
BT50-CK4-145L	145	100	22	39	-	M8-0.75P-11L	1	4.40
BT50-CK4-175L	175	130	22	39	-	M8-0.75P-11L	1	4.80
BT50-CK4-205L	205	160	22	39	-	M8-0.75P-11L	1	4.90
BT50-CK5-105L	105	60	28	50	-	M10-1.0P-14L	1	4.50
BT50-CK5-180L	180	135	28	50	-	M10-1.0P-14L	1	5.50
BT50-CK5-240L	240	195	28	50	-	M10-1.0P-14L	1	6.20
BT50-CK5-300L	300	195	28	50	64	M10-1.0P-14L	2	7.60
BT50-CK6-95L	95	50	36	64	-	M12-1.0P-18L	1	4.50
BT50-CK6-170L	170	125	36	64	-	M12-1.0P-18L	1	6.30
BT50-CK6-230L	230	185	36	64	-	M12-1.0P-18L	1	7.60
BT50-CK6-290L	290	245	36	64	-	M12-1.0P-18L	1	9.00
BT50-CK6-350L	350	300	36	64	90	M12-1.0P-18L	2	13.5
BT50-CK7R-100	100	55	58	88	-	M12-1.0P-18L	1	4.80
BT50-CK7R-150	150	105	58	88	-	M12-1.0P-18L	1	6.50
BT50-CK7R-200	200	155	58	88	-	M12-1.0P-18L	1	8.00
BT50-CK7R-250	250	205	58	88	-	M12-1.0P-18L	1	9.00
BT50-CK7R-300	300	255	58	88	-	M12-1.0P-18L	1	10.00
BT50-CK7R-350	350	305	58	88	-	M12-1.0P-18L	1	12.00
BT50-CK7R-400	400	355	58	88	-	M12-1.0P-18L	1	14.00
BT50-CK7R-450	450	405	58	88	-	M12-1.0P-18L	1	17.10
BT50-CK7R-500	500	455	58	88	-	M12-1.0P-18L	1	18.70
BT50-CK7R-550	550	505	58	88	-	M12-1.0P-18L	1	20.40
HSK100A-CK7R-100	100	66	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-150	150	116	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-200	200	166	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-250	250	216	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-300	300	266	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-350	350	316	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-400	400	366	58	88	-	M12-1.0P-18L	1	-
HSK100A-CK7R-450	450	416	58	88	-	M12-1.0P-18L	1	-

選配表 Option

拉頭 Pull Stud	延長桿 Extension Spacer	搪頭 Boring Head					
B645-B647	B708-B709	B687	B694	B746	B717	B727	B730

• 長度單位 Unit of Length (mm)



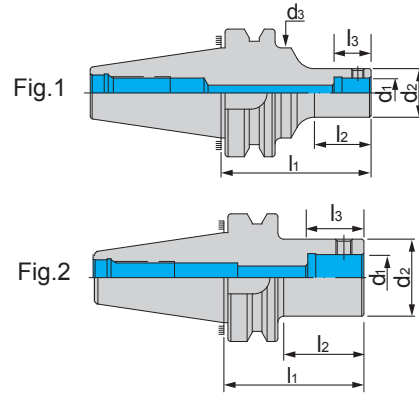
SBT/MCK 法蘭加厚型搪孔刀柄

SBT/MCK DUAL DRIVE BORING HEAD SHANK

雙面拘束 Dual Contact | 細牙 Fine Teeth



SBT



特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Sharing and mutual tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

規格 Spec.	l_1	l_2	l_3	d_1	d_2	d_3	側邊螺絲 Screw	Fig.	重量 (KGS) Weight
SBT30-MCK1-55	55	28	18	11	19	-	M4x0.5P	2	0.70
SBT30-MCK1-70	70	43	18	11	19	-	M4x0.5P	2	0.80
SBT30-MCK2-60	60	33	18.5	14	23.5	-	M5x0.5P	2	0.80
SBT30-MCK2-75	75	48	18.5	14	23.5	-	M5x0.5P	2	0.80
SBT30-MCK2-80	80	53	18.5	14	23.5	-	M5x0.5P	2	0.81
SBT30-MCK3-50	50	26	24	18	31	-	M6x0.75P	2	0.90
SBT30-MCK3-80	80	56	24	18	31	-	M6x0.75P	2	0.95
SBT30-MCK4-60	60	37	22	22	39	-	M8x0.75P	2	1.00
SBT30-MCK4-70	70	47	29	22	39	-	M8x0.75P	2	1.00
SBT30-MCK5-70	70	47	35	28	50	-	M10x1.0P	2	1.10
SBT30-MCK6-60	60	38	42	36	63	-	M12x1.0P	2	1.20
SBT40-MCK1-100	100	51	18	11	19	44.45	M4x0.5P	1	1.48
SBT40-MCK1-115	115	66	18	11	19	44.45	M4x0.5P	1	1.30
SBT40-MCK2-75	75	28	18.5	14	23.5	44.45	M5x0.75P	1	1.14
SBT40-MCK2-85	85	38	18.5	14	23.5	44.45	M5x0.75P	1	1.24
SBT40-MCK2-115	115	68	18.5	14	23.5	44.45	M5x0.75P	1	1.30
SBT40-MCK3-80	80	48	24	18	31	-	M6x0.75P	2	1.22
SBT40-MCK3-95	95	63	24	18	31	-	M6x0.75P	2	1.32
SBT40-MCK3-125	125	93	24	18	31	-	M6x0.75P	2	1.40
SBT40-MCK3-155	155	123	24	18	31	-	M6x0.75P	2	1.42
SBT40-MCK4-70	70	40	28	22	39	-	M8x0.75P	2	1.50
SBT40-MCK4-100	100	70	28	22	39	-	M8x0.75P	2	1.56
SBT40-MCK4-130	130	98	28	22	39	-	M8x0.75P	2	1.66
SBT40-MCK4-175	175	143	28	22	39	-	M8x0.75P	2	1.76
SBT40-MCK5-60	60	30	35	28	50	-	M10x1.0P	2	1.30
SBT40-MCK5-80	80	51	35	28	50	-	M10x1.0P	2	1.60
SBT40-MCK5-125	125	96	35	28	50	-	M10x1.0P	2	1.70
SBT40-MCK5-175	175	146	35	28	50	-	M10x1.0P	2	1.90
SBT40-MCK6-55	55	28	42	36	63	-	M12x1.0P	2	2.15
SBT40-MCK6-65	65	38	42	36	63	-	M12x1.0P	2	2.20
SBT40-MCK6-115	115	88	42	36	63	-	M12x1.0P	2	2.40
SBT40-MCK6-165	165	138	42	36	63	-	M12x1.0P	2	2.50

選配表 Option

拉頭 Pull Stud	延長桿 Extension Spacer	搪頭 Boring Head					
B645-B647	B708-B709	B687	B694	B746	B717	B727	B730

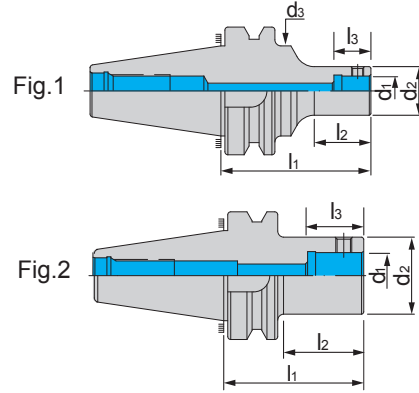
• 長度單位 Unit of Length (mm)

SBT/MCK 法蘭加厚型搪孔刀柄

SBT/MCK DUAL DRIVE BORING HEAD SHANK

雙面拘束 Dual Contact

細牙 Fine Teeth



SBT

特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

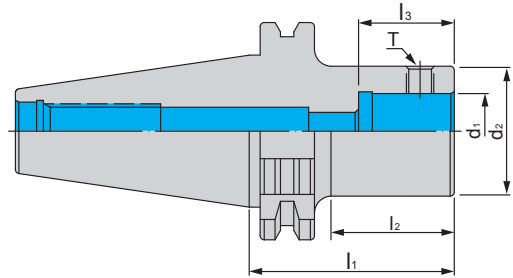
- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Sharing and mutual tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

規格 Spec.	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	側邊螺絲 Screw	Fig.	重量 (KGS) Weight
SBT50-MCK1-105	105	38	18	11	19	69.85	M4x0.5P	1	3.90
SBT50-MCK1-115	115	48	18	11	19	69.85	M4x0.5P	1	3.90
SBT50-MCK1-145	145	78	18	11	19	69.85	M4x0.5P	1	4.00
SBT50-MCK2-105	105	39	18.5	14	23.5	69.85	M5x0.5P	1	4.00
SBT50-MCK2-135	135	67	18.5	14	23.5	69.85	M5x0.5P	1	4.10
SBT50-MCK2-140	140	72	18.5	14	23.5	69.85	M5x0.5P	1	4.10
SBT50-MCK3-110	110	62	24	18	31	-	M6x0.75P	2	4.40
SBT50-MCK3-140	140	92	24	18	31	-	M6x0.75P	2	4.60
SBT50-MCK3-155	155	107	24	18	31	-	M6x0.75P	2	4.60
SBT50-MCK4-100	100	52	28	22	39	-	M8x0.75P	2	4.80
SBT50-MCK4-160	160	112	28	22	39	-	M8x0.75P	2	5.20
SBT50-MCK4-175	175	127	28	22	39	-	M8x0.75P	2	5.30
SBT50-MCK4-205	205	205	28	22	39	-	M8x0.75P	2	5.40
SBT50-MCK5-90	90	42	35	28	50	-	M10x1.0P	2	5.40
SBT50-MCK5-105	105	57	35	28	50	-	M10x1.0P	2	5.60
SBT50-MCK5-165	165	117	35	28	50	-	M10x1.0P	2	6.20
SBT50-MCK5-210	210	162	35	28	50	-	M10x1.0P	2	6.40
SBT50-MCK5-240	240	192	35	28	50	-	M10x1.0P	2	6.60
SBT50-MCK5-300	300	252	35	28	50	-	M10x1.0P	2	6.80
SBT50-MCK6-85	85	37	42	36	63	-	M12x1.0P	2	5.90
SBT50-MCK6-155	155	107	42	36	63	-	M12x1.0P	2	6.50
SBT50-MCK6-215	215	167	42	36	63	-	M12x1.0P	2	6.90
SBT50-MCK6-250	250	212	42	36	63	-	M12x1.0P	2	7.00
SBT50-MCK6-300	300	262	42	36	63	-	M12x1.0P	2	7.20
SBT50-MCK6-350	350	312	42	36	63	-	M12x1.0P	2	7.40
SBT50-MCK7-180	180	139	52	46	90	-	M12x1.0P	2	5.00
SBT50-MCK7-330	330	289	52	46	90	-	M12x1.0P	2	12.5

選配表 Option

拉頭 Pull Stud	延長桿 Extension Spacer	搪頭 Boring Head					
B645-B647	B708-B709	B687	B694	B746	B717	B727	B730

• 長度單位 Unit of Length (mm)



DAT

特點 Feature

- 內孔公差 H6
- 整支通孔 · 利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度 · 確保搪孔切削機能時的退刀相位
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大 · 導致螺絲卡死難以拆卸組裝

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Compatible on most "CK" series
- 90 degree between the side lock screw & notch, ensure the correct position of cutter when the cutter go back.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

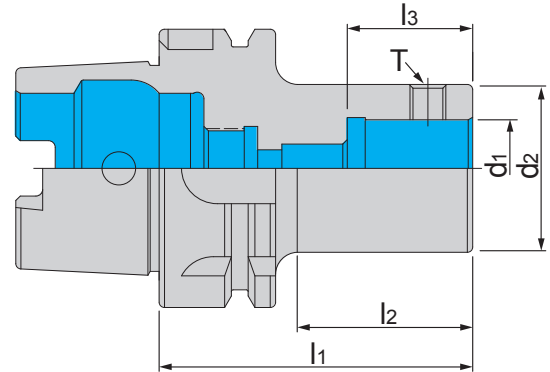
規格 Spec.	l_1	l_2	l_3	d_1	d_2	T	重量 (KGS) Weight
DAT30 x MCK1-50	50	27.9	15	11	19	M4x0.5P	0.60
DAT30 x MCK2-65	65	42.9	18.5	14	23.5	M5x0.5P	0.70
DAT30 x MCK3-50	50	27.9	22	18	31	M6x0.75P	0.80
DAT30 x MCK4-50	50	27.9	28	22	39	M8x0.75P	1.30
DAT40 x MCK1-80	80	50.9	18	11	19	M4x0.5P	1.00
DAT40 x MCK1-95	95	65.9	18	11	19	M4x0.5P	1.05
DAT40 x MCK2-80	80	50.9	18.5	14	23.5	M5x0.5P	1.10
DAT40 x MCK2-110	110	80.9	18.5	14	23.5	M5x0.5P	1.15
DAT40 x MCK3-90	90	65.9	24	18	31	M6x0.75P	1.20
DAT40 x MCK3-125	125	100.9	24	18	31	M6x0.75P	1.25
DAT40 x MCK4-80	80	55.9	28	22	39	M8x0.75P	1.30
DAT40 x MCK4-110	110	85.9	28	22	39	M8x0.75P	1.35
DAT40 x MCK5-95	95	75.4	35	28	50	M10x1.0P	1.40
DAT40 x MCK5-110	110	90.4	35	28	50	M10x1.0P	1.45
DAT40 x MCK6-65	65	45.4	42	36	63	M12x1.0P	1.50
DAT40 x MCK6-95	95	75.4	42	36	63	M12x1.0P	1.55
DAT50 x MCK1-110	110	80.9	18	11	19	M4x0.5P	3.10
DAT50 x MCK1-125	125	95.9	18	11	19	M4x0.5P	3.15
DAT50 x MCK2-95	95	65.9	18.5	14	23.5	M5x0.5P	3.20
DAT50 x MCK2-125	125	95.9	18.5	14	23.5	M5x0.5P	3.25
DAT50 x MCK3-125	125	95.9	24	18	31	M6x0.75P	3.30
DAT50 x MCK3-155	155	125.9	24	18	31	M6x0.75P	3.35
DAT50 x MCK4-110	110	80.9	28	22	39	M8x0.75P	3.40
DAT50 x MCK4-125	125	95.9	28	22	39	M8x0.75P	3.45
DAT50 x MCK5-65	65	35.9	35	28	50	M10x1.0P	3.50
DAT50 x MCK5-140	140	110.9	35	28	50	M10x1.0P	3.55
DAT50 x MCK6-140	140	110.9	42	36	63	M12x1.0P	3.60
DAT50 x MCK6-170	170	140.9	42	36	63	M12x1.0P	3.65
DAT50 x MCK7-95	95	60	52	46	90	M20x1.5P	5.00

選配表 Option

拉頭 Pull Stud	延長桿 Extension Spacer	搪頭 Boring Head					
B645-B647	B708-B709	B687	B694	B746	B717	B727	B730

• 長度單位 Unit of Length (mm)

細牙 Fine Teeth



規格 Spec.	l_1	l_2	l_3	d_1	d_2	T	重量 (KGS) Weight
HSK40A x MCK1 - 50	50	27	15	11	19	M4x0.5P	0.60
HSK40A x MCK2 - 60	60	37	18.5	14	23.5	M5x0.5P	0.36
HSK40A x MCK3 - 60	60	38	22	18	31	M6x0.75P	0.80
HSK50A x MCK1 - 60	60	31	15	11	19	M4x0.5P	1.00
HSK50A x MCK2 - 60	60	31	18.5	14	23.5	M5x0.5P	1.10
HSK50A x MCK3 - 60	60	32	22	18	31	M6x0.75P	1.20
HSK50A x MCK4 - 60	60	32	24	22	39	M8x0.75P	1.30
HSK50A x MCK5 - 80	80	53	30	28	50	M10x1.0P	1.00
HSK50A x MCK6 - 80	80	53	40	36	63	M12x1.0P	1.50
HSK63A x MCK1 - 80	80	49	15	11	19	M4x0.5P	1.20
HSK63A x MCK1 - 95	95	64	15	11	19	M4x0.5P	1.25
HSK63A x MCK2 - 80	80	44	18.5	14	23.5	M5x0.5P	0.86
HSK63A x MCK2 - 110	110	79	18.5	14	23.5	M5x0.5P	1.35
HSK63A x MCK3 - 90	90	59	24	18	31	M6x0.75P	1.02
HSK63A x MCK3 - 125	125	94	24	18	31	M6x0.75P	0.52
HSK63A x MCK3 - 155							
HSK63A x MCK4 - 80	80	49	28	22	39	M8x0.75P	1.09
HSK63A x MCK4 - 110	110	79	28	22	39	M8x0.75P	1.55
HSK63A x MCK4 - 130							
HSK63A x MCK4 - 175							
HSK63A x MCK5 - 95	95	67.5	35	28	50	M10x1.0P	1.60
HSK63A x MCK5 - 110	110	82.5	35	28	50	M10x1.0P	1.78
HSK63A x MCK5 - 175							
HSK63A x MCK6 - 70	70	43.5	42	36	63	M12x1.0P	1.31
HSK63A x MCK6 - 95	95	68.5	42	36	63	M12x1.0P	1.84
HSK63A x MCK6 - 115							
HSK63A x MCK6 - 165							
HSK100A x MCK1 - 100	100	61	18	11	19	M4x0.5P	2.07
HSK100A x MCK1 - 140							

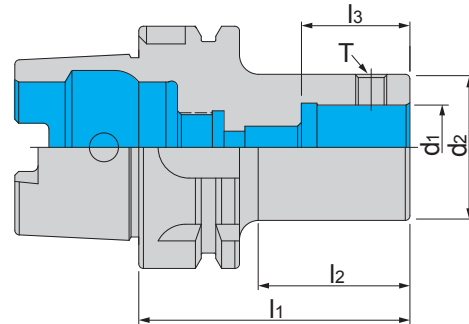
HSK

選配表 Option

延長桿 Extension Spacer	搪頭 Boring Head						給水管 Coolant Supply Unit
B708-B709	B687	B694	B746	B717	B727	B730	B519

• 長度單位 Unit of Length (mm)

細牙 Fine Teeth



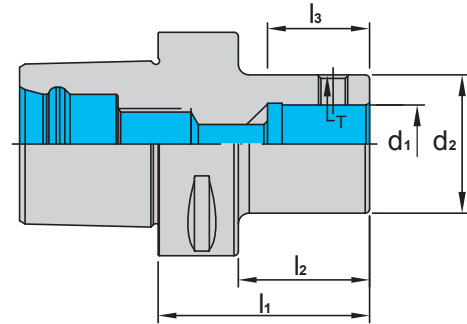
HSK

規格 Spec.	l_1	l_2	l_3	d_1	d_2	T	重量 (KGS) Weight
HSK100A x MCK2 - 75	75	36	18.5	14	23.5	M5x0.5P	2.09
HSK100A x MCK2 - 115	115	76	18.5	14	23.5	M5x0.5P	2.18
HSK100A x MCK2 - 135							
HSK100A x MCK3 - 60	60	21	24	18	31	M6x0.75P	2.15
HSK100A x MCK3 - 125	125	86	24	18	31	M6x0.75P	2.47
HSK100A x MCK3 - 150							
HSK100A x MCK4 - 70	70	31	28	22	39	M8x0.75P	2.34
HSK100A x MCK4 - 120	120	86	28	22	39	M8x0.75P	2.76
HSK100A x MCK4 - 140							
HSK100A x MCK4 - 170							
HSK100A x MCK4 - 200							
HSK100A x MCK5 - 70	70	31	35	28	50	M10x1.0P	2.60
HSK100A x MCK5 - 110	110	76	35	28	50	M10x1.0P	3.17
HSK100A x MCK5 - 175							
HSK100A x MCK5 - 235							
HSK100A x MCK5 - 295							
HSK100A x MCK6 - 75	75	41	42	36	63	M12x1.0P	3.02
HSK100A x MCK6 - 100	100	66	42	36	63	M12x1.0P	3.60
HSK100A x MCK6 - 165							
HSK100A x MCK6 - 225							
HSK100A x MCK6 - 285							
HSK100A x MCK6 - 345							

選配表 Option

延長桿 Extension Spacer	搪頭 Boring Head						給水管 Coolant Supply Unit
B708-B709	B687	B694	B746	B717	B727	B730	B519

• 長度單位 Unit of Length (mm)



特點 Feature

- 內孔公差 H6
- 整支通孔 · 利於出水及抗震

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance

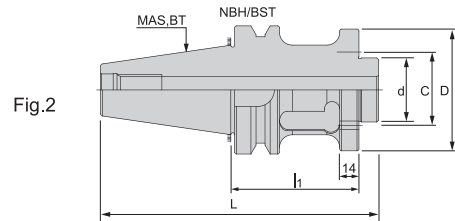
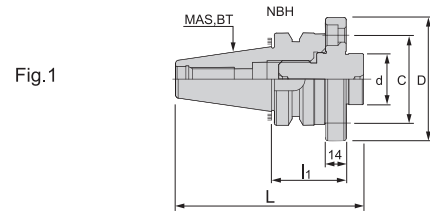
規格 Spec.	l_1	l_2	l_3	d_1	d_2	T	重量 (KGS) Weight
PSC40xMCK2-45	45	19.5	18.5	14	24	M5X0.5P	0.40
PSC40xMCK3-40	40	17	24	18	31	M6X0.75P	0.50
PSC40xMCK4-33	33	12.5	28	22	39	M8X0.75P	0.50
PSC50xMCK2-85	85	60.5	18.5	14	24	M5X0.5P	0.60
PSC50xMCK3-55	55	30	24	18	31	M6X0.75P	0.60
PSC50xMCK3-80	80	55	24	18	31	M6X0.75P	0.70
PSC50xMCK4-48	48	23	28	22	39	M8X0.75P	0.60
PSC50xMCK4-73	73	48	28	22	39	M8X0.75P	0.70
PSC50xMCK5-50	50	30	35	28	50	M10X1.0P	0.60
PSC50xMCK5-83	83	63	35	28	50	M10X1.0P	1.30
PSC50xMCK6-50	50	30	42	36	63	M12X1.0P	1.00
PSC63xMCK2-90	90	53	18.5	14	24	M5X0.5P	1.30
PSC63xMCK3-65	65	38	24	18	31	M6X0.75P	1.30
PSC63xMCK3-100	100	73	24	18	31	M6X0.75P	1.50
PSC63xMCK4-58	58	31	28	22	39	M8X0.75P	1.30
PSC63xMCK4-93	93	66	28	22	39	M8X0.75P	1.70
PSC63xMCK5-48	48	22	35	28	50	M10X1.0P	1.30
PSC63xMCK5-83	83	57	35	28	50	M10X1.0P	1.70
PSC63xMCK6-59	59	37	42	36	63	M12X1.0P	1.60
PSC63xMCK6-94	94	72	42	36	63	M12X1.0P	2.30

PSC

選配表 Option

延長桿 Extension Spacer	搪頭 Boring Head						鎖刀座 Lock Device
B708-B709	B687	B694	B746	B717	B727	B730	B655

• 長度單位 Unit of Length (mm)



規格 Spec.	L	l ₁	D	d h7	C	Fig.	重量 (KGS) Weight
BT40xNBH2084A	155.4	51	84	35	PCD.Ø60 4-M8x1.25P	1	1.70
BT50xNBH2084A	170.8	57	84	35		1	3.50
NT50xNBH2084A	168	41.2	84	35		1	6.30
FR60xNBH2084	58.5	14	84	35	PCD.Ø60	-	-
BT40xNBH2084B-100	204.4	100	84	35	PCD.Ø60 4-M8x1.25P	2	2.00
BT50xNBH2084B-100	213.8	100	84	35		2	4.00
BT50xNBH2084B-165	278.8	165	84	35		2	4.50
BT50xNBH2084B-200	313.8	200	84	35		2	-
BT50xNBH2084B-250	363.8	250	84	35		2	8.50
BT50xNBH2084B-300	413.8	300	84	35		2	9.67
NT30xNBH2084	109	14	84	35	PCD.Ø60 4-M8x1.25P	2	3.60
NT40xNBH2084	136	14	84	35		2	4.00
NT50xNBH2084	168	14	84	35		2	6.30
BT40xBST-70	131	70	95	50	PCD.Ø72 4-Ø13	2	2.50
BT50xBST-100	208.8	100	95	50		2	5.65
BT50xBST-150	258.8	150	95	50		2	4.00
BT50xBST-200	308.8	200	95	50		2	8.75
BT50xBST-250	358.8	250	95	50		2	9.76
BT50xBST-300	408.8	300	95	50		2	11.5
BT50xBST-350	458.8	350	95	50		2	12.8
BT50xBST-400	508.8	400	95	50		2	14.1

選配表 Option

拉頭 Pull Stud	搪頭 Boring Head
B645-B647	B753

Fig.1



Fig.2



Fig.1

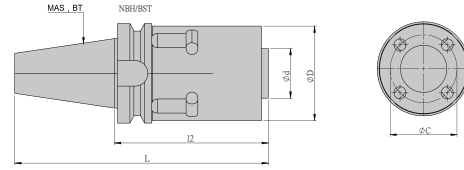
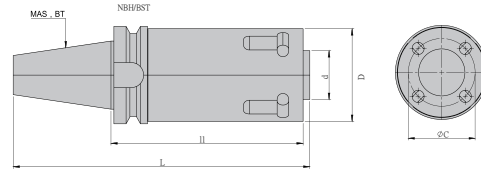


Fig.2



規格 Spec.	L	l ₁	l ₂	D	d h7	C	重量 (KGS) Weight	Fig.
BT50xBST-150L-D95	258.8	150	200.8	95	50	PCD,Ø72 4-Ø13	4.00	1
BT50xBST-200L-D95	308.8	200	250.8	95	50		-	2
BT50xBST-250L-D95	358.8	250	300.8	95	50		-	2
BT50xBST-300L-D95	408.8	300	350.8	95	50		-	2

Fig.1

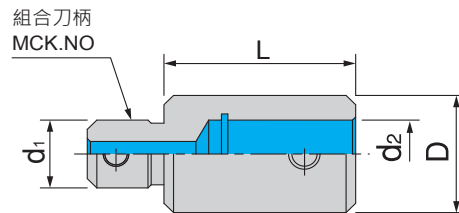
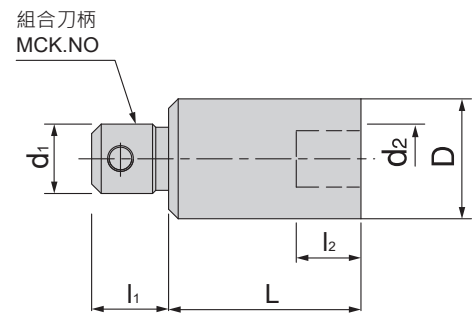


Fig.2

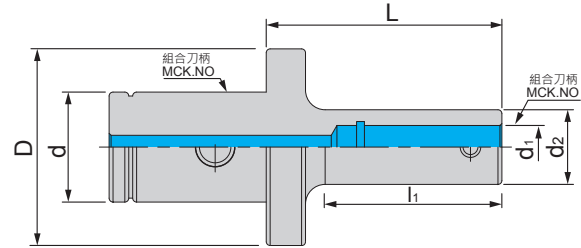


規格 Spec.	L	l ₁	l ₂	D	d	d ₁	d ₂	側邊螺絲 Screw	適用搪頭 Boring Head	Fig.	重量 (KGS) Weight
SCK1- 1 - 30L	30	-	-	19	-	11	11	M4-0.5P-5L	-	1	0.07
SCK2- 2 - 30L	30	-	-	24	-	14	14	M5-0.5P-6.5L	-	1	0.10
SCK3- 3 - 30L	30	-	-	31	-	18	18	M6-0.75P-8L	-	1	0.15
SCK4- 4 - 45L	45	-	-	39	-	22	22	M8-0.75P-11L	-	1	0.40
SCK5- 5 - 60L	60	-	-	50	-	28	28	M10-1.0P-14L	-	1	0.80
SCK6- 6 - 60L	60	-	-	64	-	36	36	M12-1.0P-18L	-	1	1.40
SCK7R-7R-100	100	50	52	88	58	58	-	M12-1.0P-18L	CBH100DP、CBH150DP、CBH200DP	2	4.85

選配表 Option

拉頭 Pull Stud	搪頭 Boring Head
B645-B647	B753

• 長度單位 Unit of Length (mm)



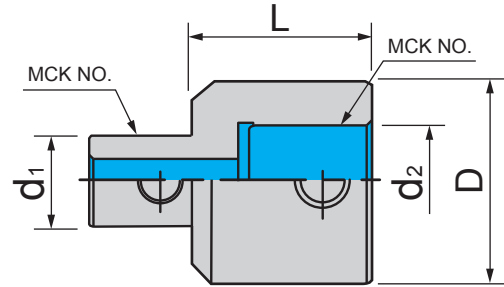
特點 Feature

- CBH100DP~CBH200DP /CK7R 接合柄專用

-For CBH100DP~CBH200DP /CK7R

規格 Spec.	L	l ₁	D	d	d ₁	d ₂	側邊螺絲 Screw	重量 (KGS) Weight
SCK2 - 1 - 36L	36	30	24	14	11	19	M4-0.5P-5L	0.10
SCK3 - 1 - 41L	41	30	31	18	11	19	M4-0.5P-5L	0.15
SCK3 - 2 - 37L	37	25	31	18	14	24	M5-0.5P-6.5L	0.15
SCK4 - 1 - 58L	58	40	39	22	11	19	M4-0.5P-5L	0.30
SCK4 - 2 - 50L	50	36	39	22	14	24	M5-0.5P-6.5L	0.30
SCK4 - 3 - 50L	50	37	39	22	18	31	M6-0.75P-8L	0.35
SCK5 - 1 - 60L	60	40	50	28	11	19	M4-0.5P-5L	0.48
SCK5 - 2 - 54L	54	35	50	28	14	24	M5-0.5P-6.5L	0.45
SCK5 - 2 - 74L	74	55	50	28	14	24	M5-0.5P-6.5L	0.60
SCK5 - 3 - 47L	47	29	50	28	18	31	M6-0.75P-8L	0.52
SCK5 - 3 - 72L	72	54	50	28	18	31	M6-0.75P-8L	0.68
SCK5 - 4 - 42L	42	25	50	28	22	39	M8-0.75P-11L	0.50
SCK5 - 4 - 67L	67	50	50	28	22	39	M8-0.75P-11L	0.80
SCK6 - 1 - 70L	70	40	64	36	11	19	M4-0.5P-5L	0.95
SCK6 - 2 - 63L	63	45	64	36	14	24	M5-0.5P-6.5L	0.78
SCK6 - 2 - 93L	93	75	64	36	14	24	M5-0.5P-6.5L	0.80
SCK6 - 3 - 56L	56	39	64	36	18	31	M6-0.75P-8L	0.82
SCK6 - 3 - 96L	96	79	64	36	18	31	M6-0.75P-8L	1.07
SCK6 - 4 - 51L	51	35	64	36	22	39	M8-0.75P-11L	0.92
SCK6 - 4 - 101L	101	85	64	36	22	39	M8-0.75P-11L	1.30
SCK6 - 5 - 41L	41	25	64	36	28	52	M10-1.0P-14L	0.94
SCK6 - 5 - 91L	91	75	64	36	28	52	M10-1.0P-14L	1.60
BST-SCK6	100	60	95	50	36	64	-	3.32
SCK7R-6-145	145	128	88	58	36	64	M12-1.0P-18L	-

碳化鎢刀桿專用 SCK 延長桿 (小接大) CARBIDE ARBOR FOR SCK EXTENSION



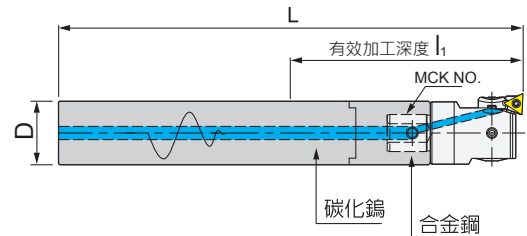
規格 Spec.	L	D	d ₁	d ₂	適用搪孔頭 Applicable Boring Head	重量 (KGS) Weight
SCK3-4-35L	35	39	18	22	CBH40	0.28
SCK4-5-45L	45	50	22	28	CBH52	0.58

- SCK3-4-35L 與 SCK4-5-45L 為小變大異徑延長桿
- SCK3-4-35L and SCK4-5-45L are the extension bar, diameter ranged from small to big.

SCK 直柄碳化鎢製搪孔頭刀桿 SCK STRAIGHT CARBIDE BORING SHANK



範例 Example

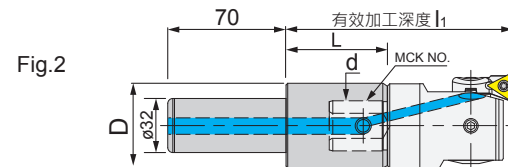
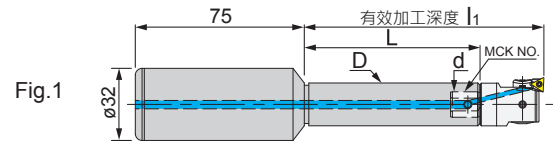
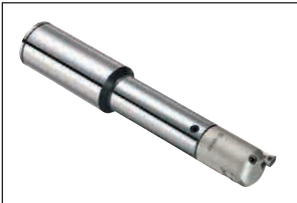


規格 Spec.	L	l ₁	D	適用搪孔頭 Applicable Boring Head	重量 (KGS) Weight
SC19 - SCK1-130L	180	130	19	CBH20	0.54
SC19 - SCK1-150L	225	150	19	CBH20	0.72
SC19 - SCK1-200L	275	200	19	CBH20	0.92
SC24 - SCK2-140L	200	140	24	SMB25	0.88
SC24 - SCK2-180L	260	180	24	SMB25	1.24
SC24 - SCK2-240L	320	240	24	SMB25	1.60
SC32 - SCK3-160L	240	160	32	SMB32	2.00
SC32 - SCK3-240L	320	240	32	SMB32	2.88
SC32 - SCK3-310L	390	310	32	SMB32	3.62

• 長度單位 Unit of Length (mm)



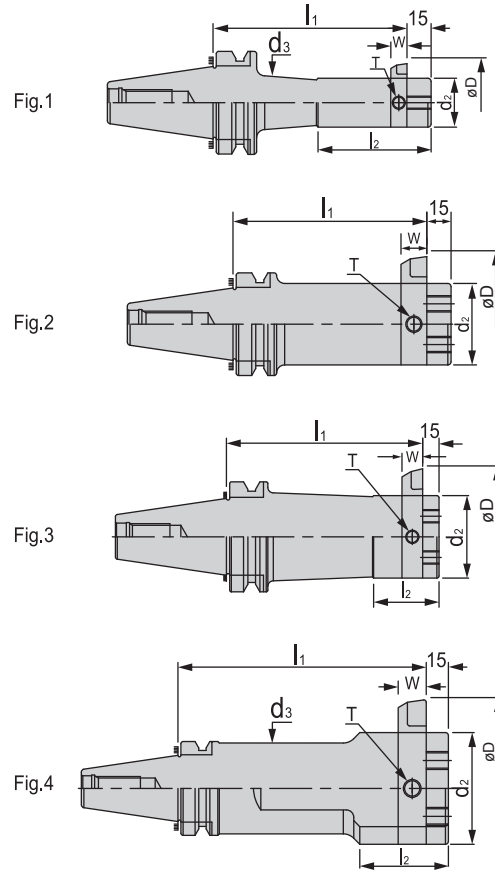
範例 Example



規格 Spec.	L	有效加工深度 l_1	D	d	適用搪孔頭 Applicable Boring Head	Fig.	重量 (KGS) Weight
C32 - SCK1-75L	75	110	19	11	CBH20	1	0.62
C32 - SCK2-70L	70	110	24	14	RBH25/RBH25LA/CBH25	1	0.67
C32 - SCK2-120L	120	160	24	14	RBH25/RBH25LA/CBH25	1	0.82
C32 - SCK3-70L	70	110	31	18	RBH32/RBH32LA/CBH32	1	0.77
C32 - SCK3-120L	120	160	31	18	RBH32/RBH32LA/CBH32	1	1.03
C32 - SCK4-60L	60	110	39	22	RBH40/RBH40LA/CBH40/CBI4	2	0.93
C32 - SCK4-110L	110	160	39	22	RBH40/RBH40LA/CBH40/CBI4	2	1.37
C32 - SCK5-60L	60	120	50	28	RBH52/RBH52LA/CBH52/CBI5	2	1.22
C32 - SCK5-120L	120	180	50	28	RBH52/RBH52LA/CBH52/CBI5	2	2.00
C32 - SCK6-60L	60	130	64	36	RBH68,90/RBH68LA,90LA /CBH68,100,150/CBI6	2	1.55
C32 - SCK6-120L	120	190	64	36	RBH68,90/RBH68LA,90LA /CBH68,100,150/CBI6	2	2.93



搪孔範圍
ø25~260
Boring Range



特點 Feature

- 適用於孔徑凹凸不平・毛胚粗糙之加工物
- 可選用四角形焊刃刀具或捨棄式刀具
- 搪通孔專用

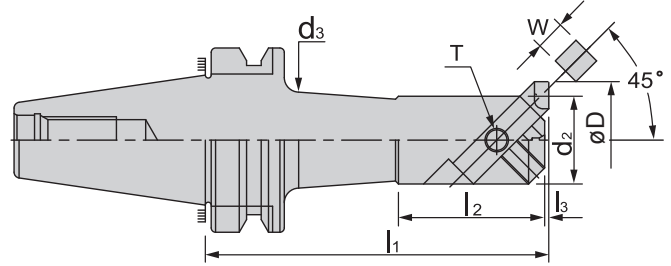
- Suitable for the uneven hole & raw parts with rough surface.
- Selects the foursquare carbide tipped cutter or supplemental cutting tool.
- Exclusively for boring through hole.

規格 Spec.	øD 搪孔範圍 Boring Range		l ₁	l ₂	d ₂	d ₃	W	T	Fig.	重量 (KGS) Weight
	Min.	Max.								
BT40 x BSB25-120	25	52	120	50	20	22	8	M6	1	1.97
BT40 x BSB38-150	38	70	150	70	30	33	10	M8	1	1.70
BT40 x BSB50-165	50	90	165	85	40	44	13	M10	1	2.50
BT40 x BSB62-180	62	115	180	95	50	56	16	M10	3	3.66
BT40 x BSB90-180	90	150	180	60	75	61	19	M12	4	5.90
BT50 x BSB25-135	25	52	135	50	20	22	8	M6	1	4.30
BT50 x BSB38-180	38	70	180	50	30	33	10	M8	1	4.94
BT50 x BSB50-180	50	90	180	85	40	44	13	M10	1	5.50
BT50 x BSB50-240	50	90	240	85	40	44	13	M10	1	6.35
BT50 x BSB62-195	62	115	195	-	50	-	16	M10	2	6.40
BT50 x BSB62-270	62	115	270	-	50	-	16	M10	2	7.82
BT50 x BSB72-195	72	135	195	95	60	66	19	M12	3	7.84
BT50 x BSB72-285	72	135	285	95	60	66	19	M12	3	9.97
BT50 x BSB90-210	90	150	210	60	75	80	19	M12	3	10.7
BT50 x BSB90-300	90	150	300	60	75	80	19	M12	3	12.8
BT50 x BSB105-195	105	190	195	-	90	-	25	M12	2	12.3
BT50 x BSB105-285	105	190	285	-	90	-	25	M12	2	16.9
BT50 x BSB130-255	130	260	255	75	110	98	25	M12	4	18.1

選配表 Option

搪刀 Boring Cutter		
B714	B715	B715

• 長度單位 Unit of Length (mm)



搪孔範圍
ø25~190
Boring Range

特點 Feature

- 可選用四角形熔焊刀具或捨棄式刀具
- 搪盲孔專用

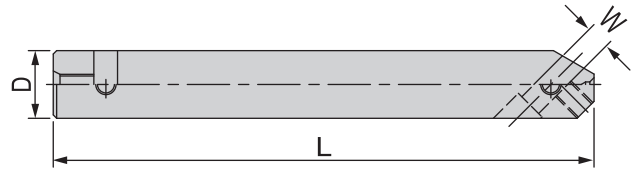
- Selects the foursquare carbide tipped cutter or supplemental cutting tool.
- Exclusively for boring blind hole.

規格 Spec.	øD 搪孔範圍 Boring Range		l ₁	l ₂	l ₃	d ₂	d ₃	W	T	重量 (KGS) Weight
	Min.	Max.								
BT40 x BSA25-120	25	38	120	35	1	20	22	8	M6	1.20
BT40 x BSA30-150	30	42	150	40	1.6	24	26	8	M6	1.40
BT40 x BSA38-165	38	52	165	50	2.6	30	33	10	M8	1.70
BT40 x BSA42-165	42	56	165	50	2.6	34	37	10	M8	2.00
BT40 x BSA50-165	50	65	165	65	3	40	44	13	M8	2.30
BT40 x BSA62-180	62	90	180	80	2	50	56	16	M10	3.40
BT40 x BSA72-180	72	110	180	149	2.4	60	-	19	M10	3.90
BT40 x BSA90-180	90	125	180	60	4	75	-	19	M10	5.20
BT50 x BSA25-135	25	38	135	35	1	20	22	8	M6	4.20
BT50 x BSA30-165	30	42	165	40	1.6	24	26	8	M6	4.40
BT50 x BSA38-180	38	52	180	50	2.6	30	33	10	M8	4.80
BT50 x BSA42-210	42	56	210	50	2.6	34	37	10	M8	5.00
BT50 x BSA50-180	50	65	180	65	3	40	44	13	M10	5.40
BT50 x BSA50-240	50	65	240	65	3	40	44	13	M10	5.70
BT50 x BSA62-195	62	90	195	80	2	50	56	16	M10	6.20
BT50 x BSA62-270	62	90	270	80	2	50	56	16	M10	7.60
BT50 x BSA72-195	72	110	195	95	2.4	60	66	19	M10	7.00
BT50 x BSA72-285	72	110	285	95	2.4	60	66	19	M10	9.30
BT50 x BSA90-210	90	125	210	110	4	75	80	19	M12	9.20
BT50 x BSA90-300	90	125	300	110	4	75	80	19	M12	12.3
BT50 x BSA105-195	105	160	195	153	3	90	-	25	M12	10.7
BT50 x BSA105-285	105	160	285	130	3	90	94	25	M12	15.0
BT50 x BSA130-255	130	190	255	120	3	110	-	25	M12	14.5

選配表 Option

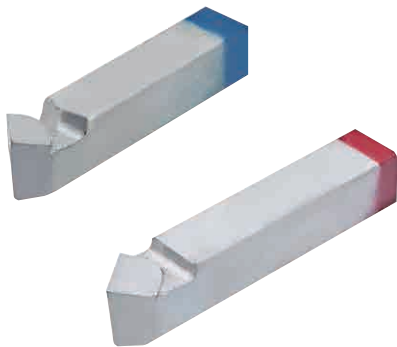
搪刀 Boring Cutter	
B714	B715

• 長度單位 Unit of Length (mm)



搪孔範圍
ø18~75
Boring Range

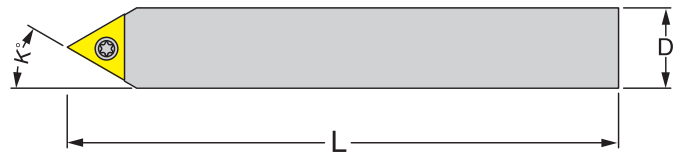
規格 Spec.	搪孔角度 Boring Angle	øD 搪孔範圍 Boring Range		L	D	側邊固定螺絲 Screw	W	重量 (KGS) Weight
		Min.	Max.					
C16-BS150	90°	18	28	150	16	M5x0.8P-5L	6	0.24
	30°							
C18-BS180	90°	20	32	180	18	M5x0.8P-5L	6	0.38
	30°							
C20-BS200	90°	22	36	200	20	M6x1.0P-6L	8	0.50
	30°							
C25-BS250	90°	28	45	250	25	M6x1.0P-6L	8	1.00
	30°							
C32-BS300	90°	36	58	300	32	M8x1.25P-10L	10	1.88
	30°							
C42-BS300	90°	48	75		42	M10x1.5P-10L	13	3.18
	30°							



規格 Spec.	規格 Spec.	柄徑 Shank Diameter	全長 Length	角度 Angle	重量 (KGS) Weight
BS-306P	BS-306K	6	30	30°	0.01
BS-308P	BS-308K	8	40		0.02
BS-310P	BS-310K	10	50		0.04
BS-313P	BS-313K	13	65		0.10
BS-316P	BS-316K	16	75		0.22
BS-406P	BS-406K	6	30	45°	0.01
BS-408P	BS-408K	8	40		0.03
BS-410P	BS-410K	10	50		0.04
BS-413P	BS-413K	13	65		0.09
BS-416P	BS-416K	16	75		0.22
BS-906P	BS-906K	6	30	90°	0.01
BS-908P	BS-908K	8	40		0.03
BS-910P	BS-910K	10	50		0.05
BS-913P	BS-913K	13	65		0.09
BS-916P	BS-916K	16	75		0.18

- K 加工鑄鐵、鋁合金
- P 加工合金鋼
- 訂購前註明 K 或 P

- K Cast Iron, aluminium alloy
- P Alloy Steels
- Before the purchase please indicate K or P.



特點 Feature

- 適用於 BSA、BSB 粗搪刀桿
- SBS 適合精加工及中切削加工

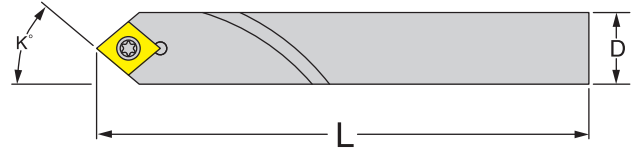
- Applicable for BSA BSB rough boring cutter.
- SBS is suitable for fine processing and medium cutting processing.

規格 Spec.	L	D	K	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SBS-308	55	8	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
SBS-310	65	10	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
SBS-313	80	13	30°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
SBS-316	120	16	30°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.24
SBS-319	140	19	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
SBS-325	150	25	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
SBS-408	55	8	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
SBS-410	65	10	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
SBS-413	80	13	45°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
SBS-416	120	16	45°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.26
SBS-419	140	19	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.41
SBS-425	150	25	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
SBS-908	55	8	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
SBS-910	65	10	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
SBS-913	80	13	90°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.11
SBS-916	120	16	90°	TP.1103	M3-8.0-4.0-43	T9	1.4	0.25
SBS-919	140	19	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.41
SBS-925	150	25	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.75

選配表 Option



• 長度單位 Unit of Length (mm)



特點 Feature

- 適用於 BSA、BSB 粗搪刀桿
- CBS 適合重切削加工

- Applicable for BSA BSB rough boring cutter.
- CBS is suitable for heavy cutting processing.

規格 Spec.	D	L	K	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
CBS-308	8	55	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.04
CBS-310	10	65	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.06
CBS-313	13	80	30°	CC..09T3	M4-10-5.7-60	T15	2.0	0.12
CBS-316	16	120	30°	CC..09T3	M4-10-5.7-60	T15	2.0	0.27
CBS-319	19	140	30°	CC..1204	M5-11-7.5-60	T20	3.0	0.41
CBS-408	8	55	45°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.04
CBS-410	10	65	45°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.06
CBS-413	13	80	45°	CC..09T3	M4-10-5.7-60	T15	2.0	0.12
CBS-416	16	120	45°	CC..09T3	M4-10-5.7-60	T15	2.0	0.26
CBS-419	19	140	45°	CC..1204	M5-11-7.5-60	T20	3.0	0.40
CBS-908	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.04
CBS-910	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.06
CBS-913	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	0.14
CBS-916	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	0.27
CBS-919	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	0.42



特點 Feature

- 適用於 BSA、BSB 粗搪刀桿
- CBS 適合重切削加工

- Applicable for BSA BSB rough boring cutter.
- CBS is suitable for heavy cutting processing.

規格 Spec.	D	L	K	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
CBS-908L	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.04
CBS-910L	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.06
CBS-913L	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	0.12
CBS-916L	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	0.27
CBS-919L	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	0.42

※ 背搪專用 For reverse boring

選配表 Option



• 長度單位 Unit of Length (mm)

Feature

RBH-LA特點

微調單位：每一刻度移動量1mm，直徑為
Ø2mm，搪孔範圍Ø25~Ø2000mm。

連接壓板使刀頭與刀座一體，增加切削剛性。

CC及TC刀片座，供客戶選擇，獨特高低段差
設計，平刃或高低刃均可採用。

排屑槽設計，增加深孔排屑功能。

Micro-adjustment unit: 1mm of each, diameter
Ø2mm, boring range Ø25~Ø2000mm.

Clamp plate solidifies cartridges and head,
upgrading cutting rigidity.

CC and TC insert seats are suitable for customers
to choose, Patented step boring design;
suitable for both level boring and step boring.

Completed with chip pocket,
improving chip flow of deep boring.



A-A / B-B刀片座
A-A / B-B Insert seat



A-B / B-A刀片座
A-B / B-A Insert seat

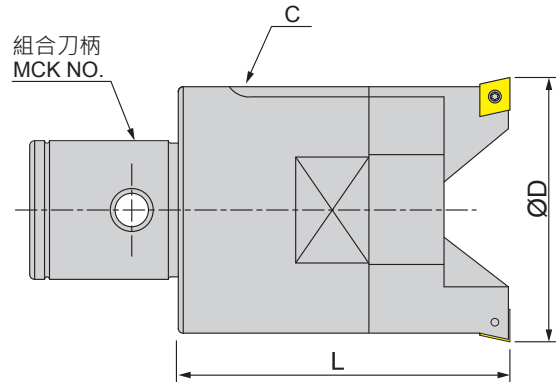


A-A及B-B為平刃設計，刀片座為等高狀態，
可用於一般搪孔加工A-B及B-A為高低刃設計
，刀座獨特高低段差設計，可實現不等徑、不
等高的搪孔加工。

A-A and B-B flat blade design, the insert
seat contours state, can be used for
general Boring processing.

A-B and B-A for the high and low edge
design, knife blocks unique level of
segment Poor design can achieve unequal
diameter, height Boring processing.

Boring Head



搪孔範圍
 ø25~500
 Boring Range

特點 Feature

- 適用單刃搪孔、雙刃搪孔及高低階搪孔。搪孔範圍 Ø25~500mm
- 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
- 可依照不同加工需求，輕易調整搪刀，作少量多樣的加工。加工深度可配合延長桿延伸至所需長度
- 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 Ø200 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

- The head is suitable for single bit boring, twin-bit boring and step boring with working diameter from Ø25mm to Ø500mm on diameter.
- New blade slide design with reinforced back. 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.
- 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.

規格 Spec.	øD 搪孔範圍 Boring Range		C	L	組合刀柄 Mck No.	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.								
RBH25 - 33 - C	25	33	24	45	CK2/MCK2	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.23
RBH32 - 42 - T	32	42	31	55	CK3/MCK3	TC..1102	M2.5-6.0-3.5-60	T8	1.2	0.23
RBH32 - 42 - C	32	42	31	55	CK3/MCK3	CC..0602	M2.5-6.0-3.5-60	T8	1.2	0.23
RBH40 - 55 - T	40	55	39	65	CK4/MCK4	TC..16T3	M4-10-5.0-43	T15	3.0	0.66
RBH40 - 55 - C	40	55	39	65	CK4/MCK4	CC..09T3	M4-10-5.7-60	T15	3.0	0.66
RBH52 - 70 - T	52	70	50	75	CK5/MCK5	TC..16T3	M4-10-5.0-43	T15	3.0	0.40
RBH52 - 70 - C	52	70	50	75	CK5/MCK5	CC..09T3	M4-10-5.7-60	T15	3.0	0.40
RBH68 - 92 - T	68	92	64	85	CK6/MCK6	TC..16T3	M4-10-5.0-43	T15	3.0	2.00
RBH68 - 92 - C	68	92	64	85	CK6/MCK6	CC..1204	M5-11-7.0-55	T20	5.0	2.10
RBH90 - 122 - T	90	122	80	100	CK6/MCK6	TC..2204	M5-11-7.0-55	T20	5.0	3.03
RBH90 - 122 - C	90	122	80	100	CK6/MCK6	CC..1204	M5-11-7.0-55	T20	5.0	3.18
RBH200 - 300 - T	200	300	-	95	BST	TC..2204	M5-11-7.0-55	T20	5.0	7.00
RBH200 - 300 - C	200	300	-	95	BST	CC..1204	M5-11-7.0-55	T20	5.0	7.00
RBH300 - 400 - T	300	400	-	95	BST	TC..2204	M5-11-7.0-55	T20	5.0	10.70
RBH300 - 400 - C	300	400	-	95	BST	CC..1204	M5-11-7.0-55	T20	5.0	10.70
RBH400 - 500 - T	400	500	-	95	BST	TC..2204	M5-11-7.0-55	T20	5.0	14.00
RBH400 - 500 - C	400	500	-	95	BST	CC..1204	M5-11-7.0-55	T20	5.0	14.00

選配表 Option

刀桿 Shank	
B698-B700	B706

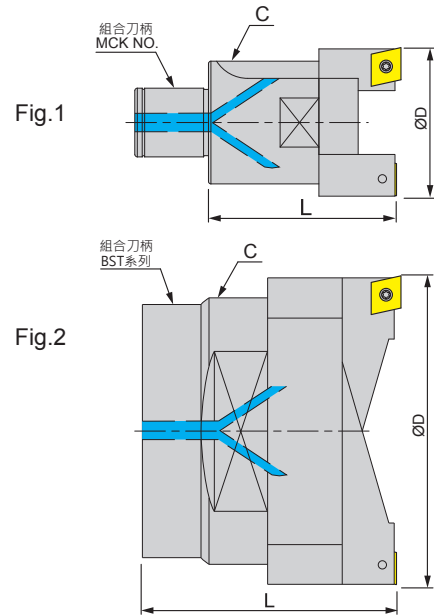
• 長度單位 Unit of Length (mm)



搪孔範圍
 ø25~204
 Boring Range

特點 Feature

- 新型第二代 LA 搪刀頭增加如下功能：
- 刀片支持座厚度增加，剛性增強
 - RBH-25LA~RBH-160LA 為內藏式水孔，直接冷卻，增加刀片的壽命
 - 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
 - 調整範圍增大，增加穩定性



Following is the junior LA boring head new functions:

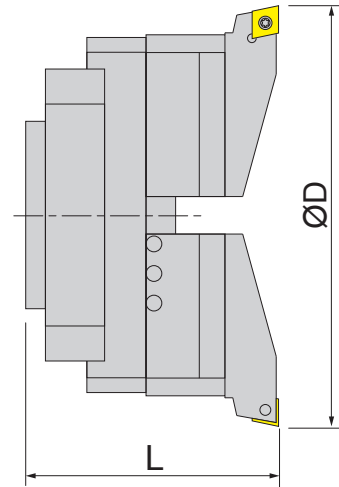
- Thickened cartridge with higher rigidity.
- RBH-25LA~RBH-160LA Coolant nozzle easily cools the insert elongating its working life.
- Flute design, improving chip discharge of deep boring.
- Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
- Patented step boring design; suitable for both level boring and step boring.
- The extended of adjustment range, increased stability.

規格 Spec.	øD 搪孔範圍 Boring Range		C	L	組合刀柄 Mck No.	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	Fig	重量 (KGS) Weight
	Min.	Max.									
RBH - 25-35LA - C	25	35	24	50	CK2/MCK2	CC..0602	M2.5-6.0-3.5-60	T8	1.2	1	0.18
RBH - 32-45LA - C	32	45	31	60	CK3/MCK3	CC..0602	M2.5-6.0-3.5-60	T8	1.2	1	0.34
RBH - 32-45LA - T	32	45	31	60	CK3/MCK3	TC..1102	M2.5-6.0-3.5-60	T8	1.2	1	0.35
RBH - 40-55LA - C	40	55	39	74	CK4/MCK4	CC..09T3	M4-10-5.7-60	T15	3.0	1	0.62
RBH - 40-55LA - T	40	55	39	74	CK4/MCK4	TC..16T3	M4-10-5.0-43	T15	3.0	1	0.61
RBH - 52-75LA - C	52	75	50	80	CK5/MCK5	CC..09T3	M4-10-5.7-60	T15	3.0	1	1.13
RBH - 52-75LA - T	52	75	50	80	CK5/MCK5	TC..16T3	M4-10-5.0-43	T15	3.0	1	1.11
RBH - 68-100LA - C	68	100	66	90	CK6/MCK6	CC..1204	M5-11-7.0-55	T20	5.0	1	2.20
RBH - 68-100LA - T	68	100	66	90	CK6/MCK6	TC..16T3	M4-10-5.0-43	T15	3.0	1	2.21
RBH - 90-130LA - C	90	130	88	100	CK6/MCK6	CC..1204	M5-11-7.0-55	T20	5.0	1	3.10
RBH - 90-130LA - T	90	130	88	100	CK6/MCK6	TC..16T3	M4-10-5.0-43	T15	3.0	1	2.99
RBH - 120-164LA - C	120	164	100	95	BST	CC..1204	M5-11-7.0-55	T20	5.0	2	3.80
RBH - 120-164LA - T	120	164	100	95	BST	TC..2204	M5-11-7.0-55	T20	5.0	2	3.80
RBH - 160-204LA - C	160	204	130	95	BST	CC..1204	M5-11-7.0-55	T20	5.0	2	4.80
RBH - 160-204LA - T	160	204	130	95	BST	TC..2204	M5-11-7.0-55	T20	5.0	2	4.80

選配表 Option

刀桿 Shank	
B698-B700	B706

• 長度單位 Unit of Length (mm)



搪孔範圍
 ø200~2000
 Boring Range

特點 Feature

- RBH600LA 以下加工調整範圍為直徑 110mm · RBH600LA~RBH900LA 調整範圍為 300mm · RBH1200LA 以上調整範圍為 400mm

- Processing adjustment range RBH600LA within 110mm diameter
 RBH600LA of ~RBH900LA adjustment range is 300mm,
 above RBH1200LA adjustment range of 400mm.

規格 Spec.	ØD 搪孔範圍 Boring Range		L	組合型式 Combination type						
	Min.	Max.		組合刀柄 Mck No.	連接盤 Flange	橫向滑板 Extension Slide	滑塊 Horizontal Slide	刀片座墊片 Insert Seat Shim	刀片座 Insert Seat	重量 (KGS) Weight
RBH200LA	200	310	130	BST	合金鋼 BR200	合金鋼	RS200	RS201	RB200C12 RB200T16 RB200T22 RB200S12 (四選一)	9.52
RBH300LA	300	410								11.52
RBH400LA	400	510								13.52
RBH500LA	500	610								15.52
RBH600LA	600	900	150	FMA 47.625	鋁合金	合金鋼	RS200	RS201	RB200C12 RB200T16 RB200T22 RB200S12 (四選一)	23.02
RBH900LA	900	1200								31.72
RBH1200LA	1200	1600	180	FMA 47.625	鋁合金	合金鋼	RS200	RS201	RB200C12 RB200T16 RB200T22 RB200S12 (四選一)	46.62
RBH1600LA	1600	2000								51.82

配件表 Accessories

刀片座 Insert Seat	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
RB200C12	CC..1204	M5-11-7.0-55	T20	5.0	0.68
RB200T16	TC..16T3	M4-10-5.0-43	T15	3.0	0.68
RB200T22	TC..2204	M5-11-7.0-55	T20	5.0	0.68
RB200S12	SC..1204	M5	T20	5.0	0.68

選配表 Option

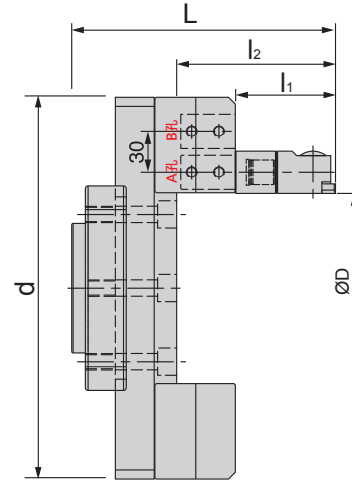


• 長度單位 Unit of Length (mm)

規格 Spec.	Mck No.	工件材質	刀片		切削速度 (m/min)	切削量 (mm/Ø)		進給量 (mm/rev)	
			刀片 R 角	刀片材質		推薦值	Max.	推薦值	Max.
RBH-25-35LA - C	MCK2 CK2	碳鋼、合金鋼	0.4/0.8	RM4035	140	2.5	3.5	0.25	0.35
		不鏽鋼		OM4010	140	2.0	3.0	0.25	0.35
		鑄鐵		RM315	120	2.5	3.5	0.30	0.35
		鋁合金		RM5005	160	3.5	4.5	0.35	0.40
RBH-32-45LA - C RBH-32-45LA - T	MCK3 CK3	碳鋼、合金鋼	0.4/0.8	RM4035	140	4.5	5.5	0.25	0.45
		不鏽鋼		OM4010	140	4.0	5.5	0.35	0.45
		鑄鐵		RM315	120	4.5	5.5	0.40	0.45
		鋁合金		RM5005	160	6.0	8.0	0.45	0.50
RBH-40-55LA - C RBH-40-55LA - T	MCK4 CK4	碳鋼、合金鋼	0.4/0.8	RM4035	140	6.0	8.0	0.30	0.50
		不鏽鋼		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵		RM315	120	6.0	8.0	0.45	0.50
		鋁合金		RM5005	160	8.0	10.0	0.45	0.55
RBH-52-75LA - C RBH-52-75LA - T RBH-68-100LA - C RBH-68-100LA - T RBH-90-130LA - C RBH-90-130LA - T	MCK5 CK5	碳鋼、合金鋼	0.4/0.8	RM4035	140	6.0	8.0	0.30	0.50
		不鏽鋼		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵		RM315	120	6.0	8.0	0.45	0.50
		鋁合金		RM5005	160	8.0	10.0	0.45	0.55
	MCK6 CK6	碳鋼、合金鋼	0.4/0.8	RM4035	140	6.0	8.0	0.35	0.50
		不鏽鋼		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵		RM315	120	6.0	8.0	0.45	0.50
		鋁合金		RM5005	160	8.0	10.0	0.45	0.55
RBH-120-164LA - C RBH-120-164LA - T RBH-160-204LA - C RBH-160-204LA - T RBH200LA RBH300LA RBH400LA RBH500LA RBH600LA RBH900LA RBH1200LA RBH1600LA	BST FMA47.625	碳鋼、合金鋼	0.4/0.8	RM4035	140	6.0	8.0	0.35	0.50
		不鏽鋼		OM4010	140	6.0	8.0	0.40	0.45
		鑄鐵		RM315	120	6.0	8.0	0.45	0.50
		鋁合金		RM5005	160	8.0	10.0	0.45	0.55

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整。

- The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.



搪孔範圍
ø10~850
Boring Range

規格 Spec.	ØD 搪孔範圍 Boring Range				L	l ₁	l ₂	d	重量 (KGS) Weight
	A 孔 A Hole		B 孔 B Hole						
	Min.	Max.	Min.	Max.					
CBR200	10	90	70	150	190/220	70/100	115/145	180	9.70
CBR300	10	190	70	250	190/220	70/100	115/145	280	11.7
CBR400	10	290	70	350	190/220	70/100	115/145	380	13.7
CBR500	10	390	70	450	190/220	70/100	115/145	480	15.7
CBR600	200	490	400	850	210/240	70/100	115/145	580	19.6
CBR900	200	790	500	1150	210/240	70/100	115/145	880	30.8

規格 Spec.	組合型式 Combination type							組合搪頭 Applicable Boring Head
	組合刀柄 Mck No.	連接盤 Flange	橫向滑板 Extension Slide	平衡滑塊 Balance Slide	外圍滑塊 Clamp Base	外圍用接桿 Adapter For External Boring		
CBR200	BST	合金鋼 BR200 (2.7KG)	鋁合金	A-RST200 (1.1KG)	RBN200 (1.6KG)	HBR200 (1.3KG)	C25-SCK3-30 (0.3KG) C25-SCK3-60 (0.5KG) (二選一)	CBH32
CBR300	BST			A-RST300 (1.9KG)				
CBR400	BST			A-RST400 (2.7KG)				
CBR500	BST			A-RST500 (3.5KG)				
CBR600	FMA 47.625	鋁合金 BR600 (8.8KG)	A-RST300X2 只 (3.8KG)	A-RST400X2 只 (5.4KG)				
CBR900	FMA 47.625	BR900 (13.5KG)						

※ 在主軸逆轉下使用 Spindle reversal using.

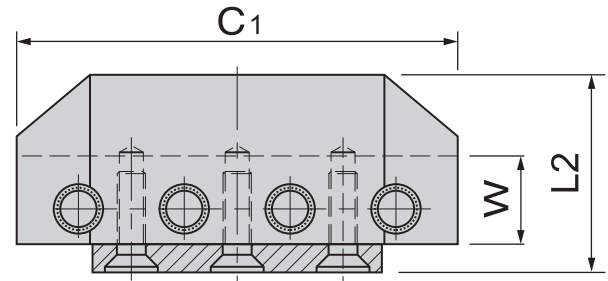
選配表 Option

刀桿 Shank
B706

• 長度單位 Unit of Length (mm)

WBST 四方柄徑搪孔刀架

WBST SQUARE BORING TOOL REST



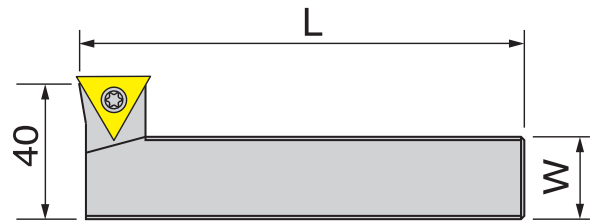
搪孔範圍
ø150~500
Boring Range

規格 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 No.	L ₂	C ₁	W	重量 (KGS) Weight
	Min.	Max.					
A-WBST150	150	250	BST	55	125	25	1.03
S-WBST150	150	250	BST	55	125	25	2.50
A-WBST200	200	300	BST	55	175	25	1.50
S-WBST200	200	300	BST	55	175	25	3.60
A-WBST300	300	400	BST	55	275	25	2.34
S-WBST300	300	400	BST	55	275	25	6.00
A-WBST400	400	500	BST	55	375	25	3.17
S-WBST400	400	500	BST	55	375	25	8.30

※ 規格 A- 材質為鋁合金 · 規格 S- 為合金鋼 Spec. A-made of aluminum alloy, Spec. S- steels alloy.

WBST 刀盤專用四方柄搪刀

WBST SQUARE SHANK BORING TOOL HOLDER



規格 Spec.	L	W	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
BSB25-T16-135	135	25	TC..16T3	M4-10-5.0-43	T15	3.0	0.67
BSB25-T22-135	135	25	TC..2204	M5-11-7.0-55	T20	5.0	0.67
BSB25-C12-135	135	25	CC..1204	M5-11-7.0-55	T20	5.0	0.67
BSB25-S12-135	135	25	SC..1204	M5-11-7.0-55	T20	5.0	0.67

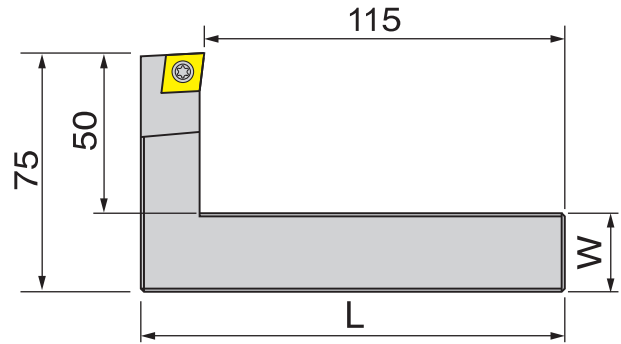
BORING

• 長度單位 Unit of Length (mm)

WBST 刀盤專用四方柄外圓搪刀

WBST SQUARE SHANK EXTERNAL BORING TOOL HOLDER

LEMMA

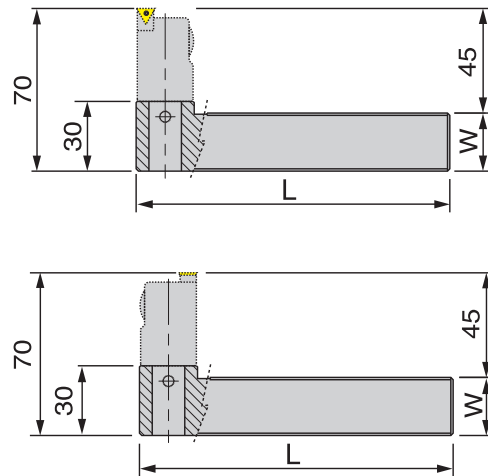


規格 Spec.	L	W	有效加工深度 valid depth	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
EBSB25-T16-135-50	135	25	40	TC..16T3	M4-10-5.0-43	T15	3.0	0.8
EBSB25-C12-135-50	135	25	40	CC..1204	M5-11-7.0-55	T20	5.0	0.8

WBST 刀盤專用四方柄內外圓精搪孔刀架

WBST SQUARE INTERNAL & EXTERNAL BORING TOOL HOLDER

LEMMA



規格 Spec.	L	W	加工深度	搪頭 Boring Head	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
BSB25-SCK2-135	135	25	36	CBH25	TP.0802	M2-5.0-3.1-60	T6	0.6	0.63

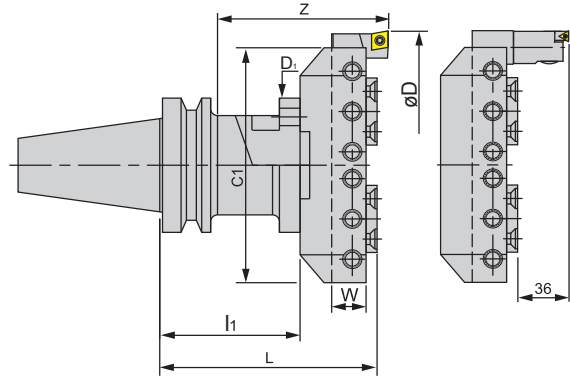
※ 此規格不含搪刀頭 Boring head is not included.

• 長度單位 Unit of Length (mm)

WBST 四方柄大徑搪刀 + BST 刀桿

WBST SQUARE LARGE BORING CUTTER+BST SHANK

LEMMA



搪孔範圍
ø150~510
Boring Range

精度
0.01mm
Accuracy

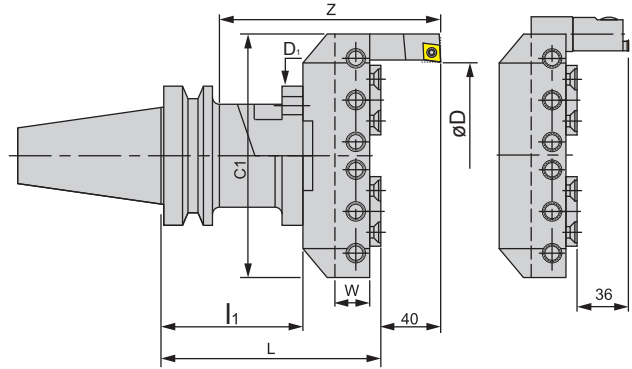
最高轉速
8000
Max. rpm

WBST 四方柄搪孔刀架 +BST 刀桿 +BSB25 四方柄搪刀

規格 Spec.	øD 搪孔範圍 Boring Range		Z	組合內容 Tool Connection		組合刀柄 No.	L	l ₁	D ₁	重量 (KGS) Weight
	Min.	Max.		BST 刀桿 BST Shank	WBST 刀桿 WBST Tool Rest					
BT40-WBST150-125	150	260	90	BT40-BST-70	WBST150	BST	150	70	95	5.70
BT40-WBST200-125	200	310	90	BT40-BST-70	WBST200	BST	150	70	95	6.80
BT50-WBST150-155	150	260	110	BT50-BST-100	WBST150	BST	155	100	95	7.60
BT50-WBST150-205	150	260	160	BT50-BST-150	WBST150	BST	205	150	95	9.30
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	14.0
BT50-WBST150-355	150	260	310	BT50-BST-300	WBST150	BST	355	300	95	16.0
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	8.70
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 This specification is not included BSB25 Quartet Shank Boring Tool.

• 長度單位 Unit of Length (mm)



搪孔範圍
ø80~450
Boring Range

WBST 四方柄搪孔刀架 + BST 刀桿 + BSB25 四方柄外圓搪刀

規格 Spec.	øD 搪孔範圍 Boring Range		Z	加工深度 depth	組合內容 Tool Connection		組合刀柄 No.	L	l ₁	D ₁	重量 (KGS) Weight
	Min.	Max.			BST 刀桿 BST Shank	WBST 刀桿 WBST Tool Rest					
BT40-WBST150-125	80	200	90	36	BT40-BST-70	WBST150	BST	150	70	95	5.7
BT40-WBST200-125	130	250	90	36	BT40-BST-70	WBST200	BST	150	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 BSB25 四方柄搪刀 Not included BSB25 Square Shank External Boring Tool holder.

※ 拆掉護蓋，有效深可達到 45，最小搪孔範圍可達到 Ø10. Applicable Boring Depth up to 45mm with Minimum Boring Range down to Ø10mm after taking off the Shield.

• 長度單位 Unit of Length (mm)

Feature

CBH特點

微調單位：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，搪孔範圍 $\varnothing 20 \sim \varnothing 202$ 均可搭配選用。

搭配T型刀片離隙角為 3° 。

刀座心軸採用方型結構，雙支撐面固定，所以切削穩定且剛性大。

Micro-adjustments with fifty 0.01mm in diameter. Includes a sub-dial for finer adjustments ranging from $\varnothing 20\text{mm} \sim \varnothing 202\text{mm}$.

T-type insert has a clearance angle of 3° .

The insert seat spindle use square structure with two face support, proving high stability and rigidity on diameter.

CBH大孔徑

橫向滑板，搪孔範圍 $\varnothing 200 \sim \varnothing 2000$ 均可搭配選用，材質採用鋁合金製，可減少重量。

平衡滑塊，減少搪孔時的不平衡量。

刀座心軸採用方型結構，雙支撐面固定，所以切削穩定且剛性大。

微調滑塊，每格調整尺寸為直徑0.01mm。

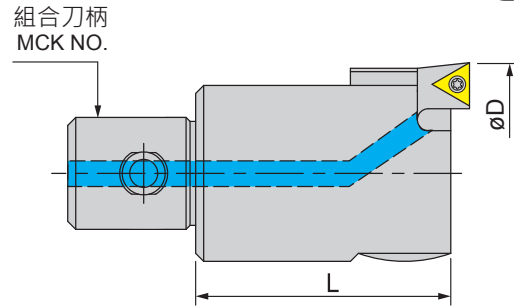
Horizontal boring ranges from $\varnothing 200\text{mm} \sim \varnothing 2000\text{mm}$ in diameter and is made with light-weight aluminum alloy.

Sliding counter-weight for long term precision.

0.01mm diameter Micro-adjustable sliding block.



Boring Head



搪孔範圍 ø20~202 Boring Range	精度 0.01mm Accuracy	最高轉速 6000 Max. rpm
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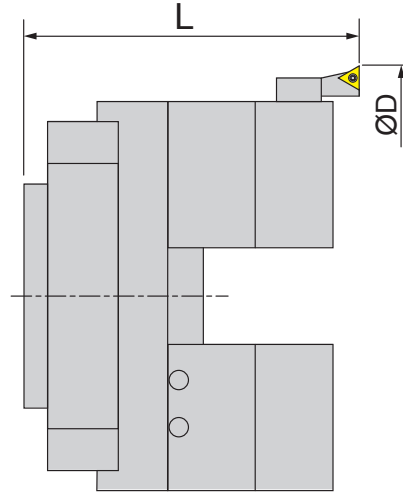
規格 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 Mck No.	L	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.							
CBH20-TB06	20	26	MCK1	35	TB..0601	M2-5.0-2.7-60	T6	0.6	0.19
CBH25-TB06	25	33	MCK2	40	TB..0601	M2-5.0-2.7-60	T6	0.6	0.20
CBH32-TB06	32	42	MCK3	40	TB..0601	M2-5.0-2.7-60	T6	0.6	0.28
CBH40-TB06	40	55	MCK4	50	TB..0601	M2-5.0-2.7-60	T6	0.6	0.59
CBH20-TP08	20	26	MCK1	35	TP..0802	M2-5.0-3.1-60	T6	0.6	0.19
CBH25-TP08	25	33	MCK2	40	TP..0802	M2-5.0-3.1-60	T6	0.6	0.26
CBH32-TP08	32	42	MCK3	40	TP..0802	M2-5.0-3.1-60	T6	0.6	0.37
CBH40-TP08	40	55	MCK4	50	TP..0802	M2-5.0-3.1-60	T6	0.6	0.52
CBH20-TC09	20	26	MCK1	35	TC..0902	M2-5.0-3.1-60	T6	0.6	0.19
CBH25-TC09	25	33	MCK2	40	TC..0902	M2-5.0-3.1-60	T6	0.6	0.20
CBH32-TC09	32	42	MCK3	40	TC..0902	M2-5.0-3.1-60	T6	0.6	0.37
CBH40-TC09	40	55	MCK4	50	TC..0902	M2-5.0-3.1-60	T6	0.6	0.50
CBH20-TP09	20	26	MCK1	35	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.10
CBH25-TP09	25	33	MCK2	40	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.20
CBH32-TP09	32	42	MCK3	40	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.30
CBH40-TP09	40	55	MCK4	50	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.50
CBH52-TP08	52	75	MCK5	60	TP..0802	M2-5.0-3.1-60	T6	0.6	1.02
CBH68-TP08	68	102	MCK6	72	TP..0802	M2-5.0-3.1-60	T6	0.6	2.02
CBH100-TP08	100	152	MCK6	72	TP..0802	M2-5.0-3.1-60	T6	0.6	2.90
CBH100B-TP08	100	152	BST	95	TP..0802	M2-5.0-3.1-60	T6	0.6	3.70
CBH150-TP08	150	202	MCK6	72	TP..0802	M2-5.0-3.1-60	T6	0.6	4.43
CBH150B-TP08	150	202	BST	95	TP..0802	M2-5.0-3.1-60	T6	0.6	4.90
CBH52-TP09	52	75	MCK5	60	TP..0902	M2.5-6.0-3.5-60	T8	1.2	1.00
CBH68-TP09	68	102	MCK6	72	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2.00
CBH100-TP09	100	152	MCK6	72	TP..0902	M2.5-6.0-3.5-60	T8	1.2	3.16
CBH100B-TP09	100	152	BST	95	TP..0902	M2.5-6.0-3.5-60	T8	1.2	3.70
CBH150-TP09	150	202	MCK6	72	TP..0902	M2.5-6.0-3.5-60	T8	1.2	4.20
CBH150B-TP09	150	202	BST	95	TP..0902	M2.5-6.0-3.5-60	T8	1.2	4.90
CBH52-TC11	52	75	MCK5	60	TC..1102	M2.5-6.0-3.5-60	T8	1.2	1.00
CBH68-TC11	68	102	MCK6	72	TC..1102	M2.5-6.0-3.5-60	T8	1.2	2.00
CBH100-TC11	100	152	MCK6	72	TC..1102	M2.5-6.0-3.5-60	T8	1.2	2.90
CBH100B-TC11	100	152	BST	95	TC..1102	M2.5-6.0-3.5-60	T8	1.2	3.70
CBH150-TC11	150	202	MCK6	72	TC..1102	M2.5-6.0-3.5-60	T8	1.2	4.20
CBH150B-TC11	150	202	BST	95	TC..1102	M2.5-6.0-3.5-60	T8	1.2	4.90

選配表 Option

刀桿 Shank	
B698-B700	B706

• 長度單位 Unit of Length (mm)

BORING



搪孔範圍
 ø200~2000
 Boring Range

精度
 0.01mm
 Accuracy

特點 Feature

- CBH600 以下加工調整範圍為直徑 110mm · CBH600~CBH900 調整範圍為 300mm · CBH1200 以上調整範圍為 400mm

- Processing adjustment range below CBH600 is 110mm diameter, CBH600 of ~ RBH900 adjustment range is 300mm, above CBH1200 adjustment range is 400mm.

規格 Spec.	øD 搪孔範圍 Boring Range		L	組合型式 Combination type							重量 (KGS) Weight	
	Min.	Max.		組合刀柄 Mck No.	連接盤 Flange	橫向滑板 Extension Slide	平衡滑塊 Balance Slide	微調滑塊 Micro-Adjusted Sliding Block	刀片 Insert			
CBH200	200	310	130	BST	合金鋼	BR200	鋁合金	A-RST200	RBN200	CB200	TP.0802 TP.0902 TC..1102 (三選一)	7.40
CBH300	300	410	130	BST		BR200		A-RST300	RBN200	CB200		8.20
CBH400	400	510	130	BST		BR200		A-RST400	RBN200	CB200		9.00
CBH500	500	610	130	BST	BR200	A-RST500	RBN200	CB200	9.80			
CBH600	600	900	150	FMA47.625	鋁合金	BR600	A-RST300x2 只	RBN200	CB200	16.20		
CBH900	900	1200	150	FMA47.625		BR900	A-RST400x2 只	RBN200	CB200	21.40		
CBH1200	1200	1600	180	FMA47.625		BR1200	A-RST500x2 只	RBN200	CB200	35.00		
CBH1600	1600	2000	180	FMA47.625		BR1600	A-RST500x2 只	RBN200	CB200	40.20		

配件表 Accessories

刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque
TP.0802	M2-5.0-3.1-60	T6	0.6
TP.0902	M2.5-6.0-3.5-60	T8	1.2
TC..1102	M2.5-6.0-3.5-60	T8	1.2

選配表 Option



• 長度單位 Unit of Length (mm)

Feature

MBH特點

微調單位：每刻度移動量為0.01mm，另有副尺可做更精確之調整，精密導程螺絲與螺帽均經硬化處理，堅固耐用。

搭配T型刀片離隙角為3°，C型刀片離隙角為0°。刀片座可承靠於本體上，能穩定搪孔尺寸與增加加工面光滑度。

內藏式水孔，易於排屑與冷卻。

Micro-adjustments with fifty 0.01mm in diameter. Includes a sub-dial for finer adjustments. High precision lead screw and nut are heat hardened for high durability.

T-type inserts with clearance angle of 3° or 0°. Interchangeable insert seats are able to stabilize and improve surface quality.

Built-in coolant nozzle improves chip removal rate and workpiece quality.



A型刀座

A-Type Insert seat



B型刀座

B-Type Insert seat

MBH40~MBH500皆附A、B型兩款刀座、可自行更換增加搪孔範圍、節省客戶另外購買刀座之成本。

MBH40-MBH500 offers exchangeable A and B insert-holders for exchange on demand to obtain the optimum boring range and cost.

Boring Head



MBH 微調精搪孔頭

MBH FINISH BORING HEAD



搪孔範圍
 ø16~200
 Boring Range

最高轉速
 8000
 Max. rpm

特點 Feature

- MBH 精搪刀使用於精切削搪孔，搪孔範圍 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

- MBH Finish Boring Head is suitable for fine boring with working range from Ø16 to Ø200mm diameter.
- Every division for adjustment is 0.01mm diameter.
- High precision lead screw and nut have been heat treated and hardened, with high durability.
- Built-in coolant nozzle is easy for chip removal and 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.

規格 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 Mck No.	L	l ₁	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	Fig.	重量 (KGS) Weight
	Min.	Max.									
MBH16A	16	20	MCK2	55	50	WC..02	M2.0-5.0-2.7-60	T6	0.6	1	0.09
MBH16B	16	20	MCK2	80	75	WC..02	M2.0-5.0-2.7-60	T6	0.6	1	0.12
MBH20	20	26	MCK1	35		WC..02	M2.0-5.0-2.7-60	T6	0.6	2	0.07
MBH25	25	32	MCK2	40		WC..02	M2.0-5.0-2.7-60	T6	0.6	2	0.12
MBH32	32	42	MCK3	40		TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.23
	32	42	MCK3	40		TC..0902	M2-5.0-3.1-60	T6	0.6	2	0.23
MBH32C	32	42	MCK3	40		CC..0602	M2.5-6.0-3.5-60	T8	1.2	2	0.23
MBH40	A	40	55	MCK4	50	TP..1103	M3-8.0-4.0-43	T9	1.4	2	0.43
	B	55	70	MCK4	50	TC..1102	M2.5-6.0-3.5-60	T8	1.2		
MBH52	A	52	70	MCK5	60	TP..1103	M3-8.0-4.0-43	T9	1.4	2	0.9
	B	67	85	MCK5	60	TC..1102	M2.5-6.0-3.5-60	T8	1.2		
MBH68	A	68	88	MCK6	75	TP..1103	M3-8.0-4.0-43	T9	1.4	2	1.86
	B	85	105	MCK6	75	TC..1102	M2.5-6.0-3.5-60	T8	1.2		
MBH100	A	100	140	BST	105	TP..1103	M3-8.0-4.0-43	T9	1.4	2	4.08
	B	120	160	BST	105	TC..1102	M2.5-6.0-3.5-60	T8	1.2		
MBH140	A	140	180	BST	105	TP..1103	M3-8.0-4.0-43	T9	1.4	2	5.45
	B	160	200	BST	105	TC..1102	M2.5-6.0-3.5-60	T8	1.2		
						CC..1204	M5-11-7.0-55	T20	5.0	2	5.45

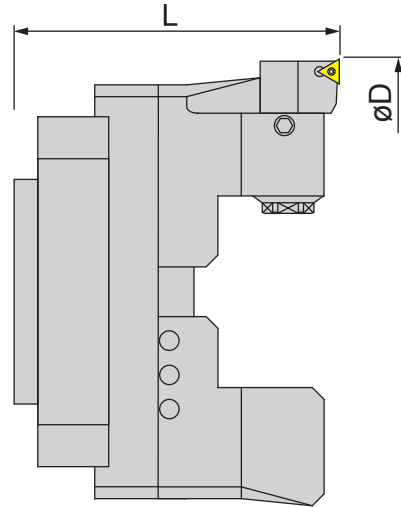
※MBH40、MBH52、MBH68、MBH100、MBH140、MBH200、MBH300、MBH400、MBH500 各有 A、B 兩款刀片座，由使用者自行替換，以達到最大搪孔範圍

※Each of MBH40、MBH52、MBH68、MBH100、MBH140、MBH200、MBH300、MBH400、MBH500 is with both A and B insert-holders for exchange on demand to obtain the maximum boring range.

選配表 Option

刀桿 Shank	
B698-B700	B706

• 長度單位 Unit of Length (mm)



搪孔範圍 ø16~200 Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
--	---------------------------------	---------------------------------

特點 Feature

- MBH 精搪刀使用於精切削搪孔，搪孔範圍 Ø200~Ø1250mm 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
- 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

- MBH Finish Boring Head is suitable for fine boring with working range from Ø200 to Ø1250mm diameter.
- Every division for adjustment is 0.01mm diameter.
- High precision lead screw and nut have been heat treated and hardened, with high durability.
- 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 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 Mck No.	L	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight			
	Min.	Max.										
MBH200	A	200	260	BST	TC..1102 TP..1103 CC..1204	M2.5-6.0-3.5-60 M3-8.0-4.0-43 M5-11-7.5-60	T8 T9 T20	1.2 1.4 5.0	7.5			
	B	250	310	BST					130	8.3		
MBH300	A	300	360	BST					130	9.1	5.0	9.9
	B	350	410	BST					130			
MBH400	A	400	460	BST					130	16.3	5.0	22.6
	B	450	510	BST					130			
MBH500	A	500	560	BST					130	16.3	5.0	22.6
	B	550	610	BST					130			
MBH600	A	600	900	FMA47.625					150	16.3	5.0	22.6
MBH900	A	900	1250	FMA47.625					150			

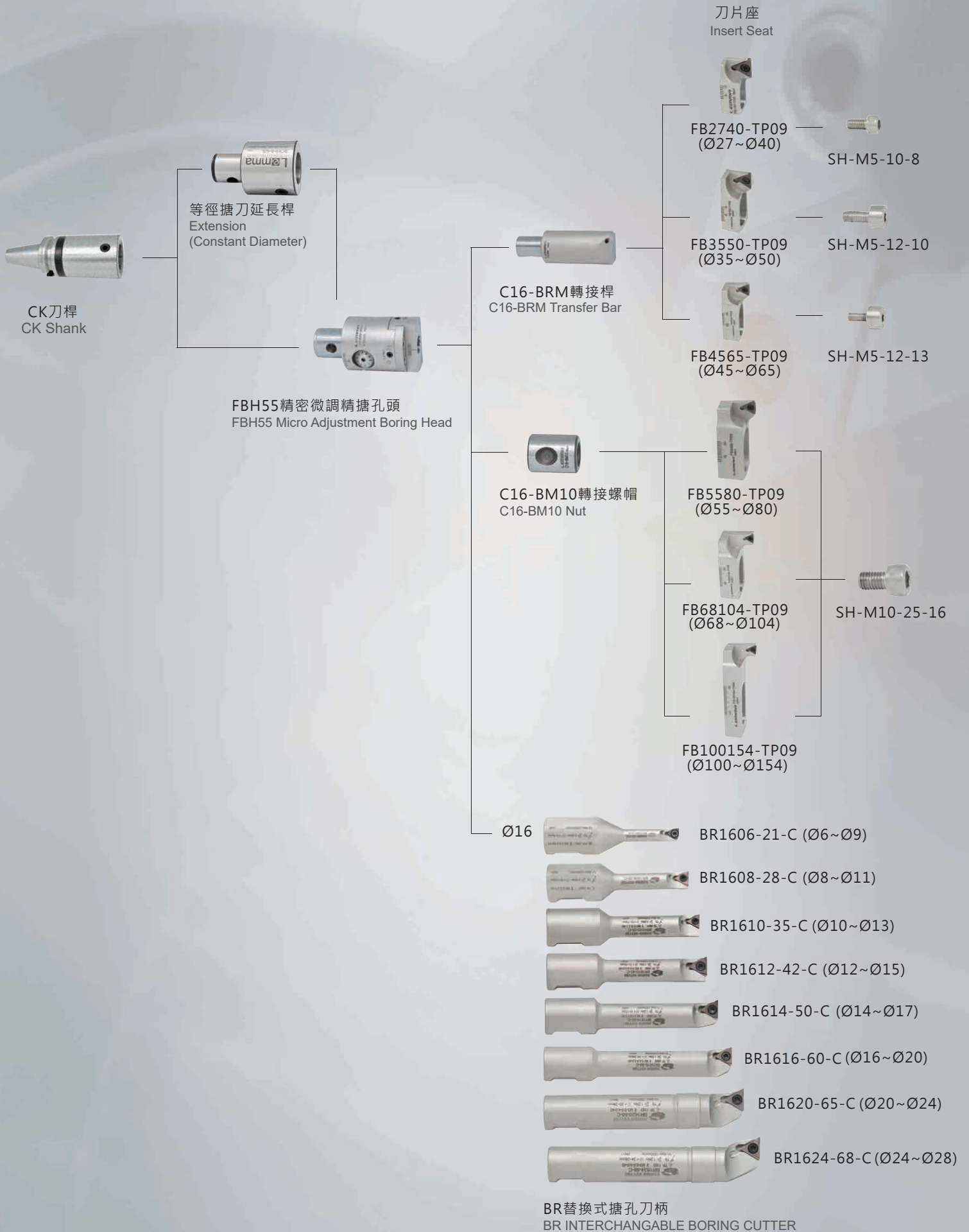
選配表 Option

刀桿 Shank
B706

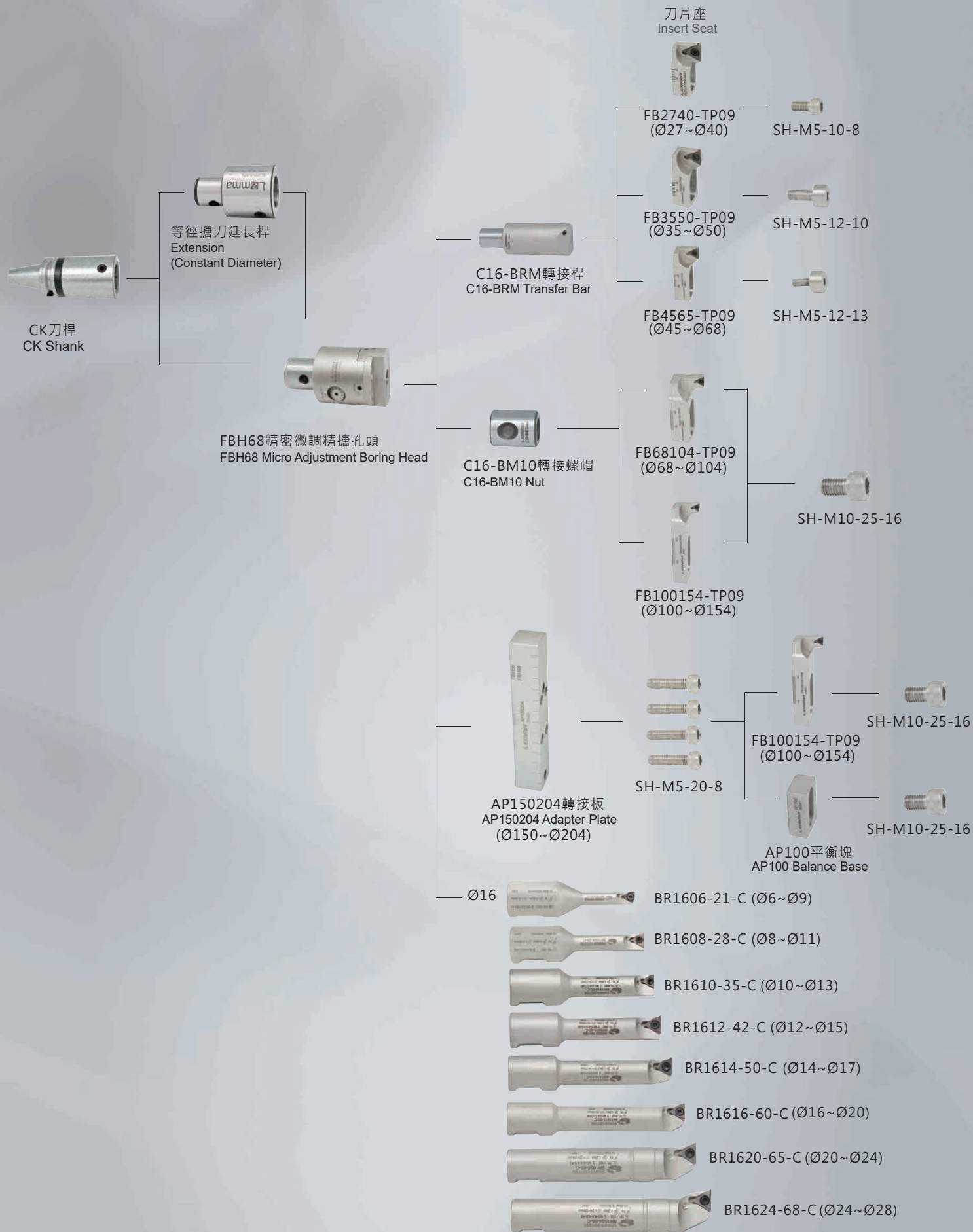
• 長度單位 Unit of Length (mm)

BORING

FBH55 組合圖 combination



FBH68 組合圖 combination



刀片座
Insert Seat

等徑搪刀延長桿
Extension
(Constant Diameter)

CK刀桿
CK Shank

FBH68精密微調精搪孔頭
FBH68 Micro Adjustment Boring Head

C16-BRM轉接桿
C16-BRM Transfer Bar

C16-BM10轉接螺帽
C16-BM10 Nut

AP150204轉接板
AP150204 Adapter Plate
(Ø150~Ø204)

FB2740-TP09
(Ø27~Ø40)

SH-M5-10-8

FB3550-TP09
(Ø35~Ø50)

SH-M5-12-10

FB4565-TP09
(Ø45~Ø68)

SH-M5-12-13

FB68104-TP09
(Ø68~Ø104)

SH-M10-25-16

FB100154-TP09
(Ø100~Ø154)

SH-M5-20-8

FB100154-TP09
(Ø100~Ø154)

SH-M10-25-16

AP100平衡塊
AP100 Balance Base

SH-M10-25-16

Ø16 BR1606-21-C (Ø6~Ø9)

BR1608-28-C (Ø8~Ø11)

BR1610-35-C (Ø10~Ø13)

BR1612-42-C (Ø12~Ø15)

BR1614-50-C (Ø14~Ø17)

BR1616-60-C (Ø16~Ø20)

BR1620-65-C (Ø20~Ø24)

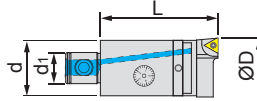
BR1624-68-C (Ø24~Ø28)

BR替換式搪孔刀柄
BR INTERCHANGABLE BORING CUTTER



正搪
Forward Boring

Fig.1



背搪
Reverse Boring

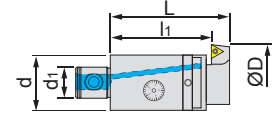
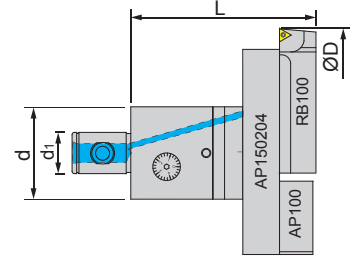
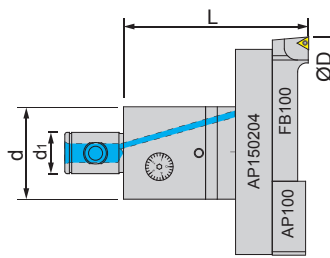


Fig.2



搪孔範圍
ø55~204
Boring Range

精度
0.002mm
Accuracy

規格 Spec.	øD 搪孔範圍 Boring Range(正搪)				øD 搪孔範圍 Boring Range(背搪)					d	d ₁	組合刀柄 ck No.	刀片 Insert	Fig.	重量 (KGS) Weight
	Min.	Max.	Insert Seat	L	Min.	Max.	刀片座 Insert Seat	L	l ₁						
FBH55	55	80	FB5580-TP09	85	60	84	RB6084-TP09	85	60	50	28	CK	TP.0902	1	1.04
	68	104	FB68104-TP09	95	78	115	RB78115-TP09	95	70	50	28	CK	TP.0902	1	1.11
	100	154	FB100154-TP09	95	110	164	RB110164-TP09	95	70	50	28	CK	TP.0902	1	1.22
	150	204	FB100154-TP09 AP150204 AP100	120	160	214	RB110164-TP09 AP150204 AP100	120	95	140	28	CK	TP.0902	2	2.13
FBH68	68	104	FB68104-TP09	100	78	115	RB78115-TP09	100	75	63	36	CK	TP.0902	1	2.00
	100	154	FB100154-TP09	100	110	164	RB110164-TP09	100	75	63	36	CK	TP.0902	1	2.11
	150	204	FB100154-TP09 AP150204 AP100	125	160	214	RB110164-TP09 AP150204 AP100	125	100	140	36	CK	TP.0902	2	3.02

配件表 Accessories

刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque
TP.0902	M2.5-6.0-3.5-60	T8	1.2

選配表 Option

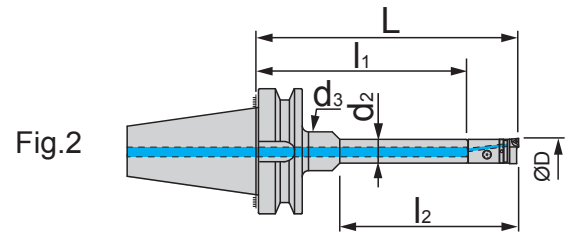
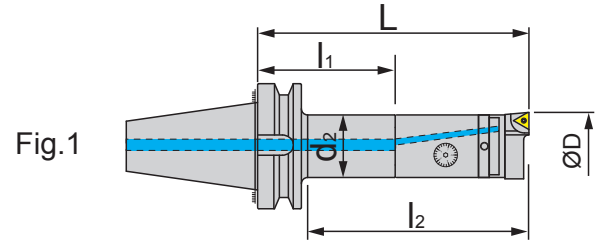
刀桿 Shank
B698-B700



正搪
Forward
Boring

搪孔範圍
ø55~104
Boring Range

精度
0.002mm
Accuracy



規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Tools Combination					L	l ₁	l ₂	d ₂	d ₃	組合刀柄 Ck No.	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 Boring Head - Insert Seat	刀片座										
BT30-FBH55-145	55	80	BT30-CK5-60	FBH55 - FB5580-TP09		145	60	115	50	-	CK	1	1.84		
BT30-FBH68-160	68	104	BT30-CK6-60	FBH68 - FB68104-TP09		160	60	130	64	-	CK	1	3.00		
BT40-FBH55-160	55	80	BT40-CK5-75	FBH55 - FB5580-TP09		160	75	125	50	-	CK	1	2.34		
BT40-FBH55-210	55	80	BT40-CK5-125	FBH55 - FB5580-TP09		210	125	175	50	-	CK	1	3.34		
BT40-FBH55-260	55	80	BT40-CK5-175	FBH55 - FB5580-TP09		260	175	225	50	-	CK	1	4.04		
BT40-FBH68-165	68	104	BT40-CK6-65	FBH68 - FB68104-TP09		165	65	130	50	-	CK	1	3.30		
BT40-FBH68-215	68	104	BT40-CK6-115	FBH68 - FB68104-TP09		215	115	180	50	-	CK	1	4.70		
BT40-FBH68-265	68	104	BT40-CK6-165	FBH68 - FB68104-TP09		265	165	230	50	-	CK	1	5.90		
BT50-FBH55-190	55	80	BT50-CK5-105	FBH55 - FB5580-TP09		190	105	145	50	-	CK	1	5.54		
BT50-FBH55-265	55	80	BT50-CK5-180	FBH55 - FB5580-TP09		265	180	220	50	-	CK	1	6.54		
BT50-FBH55-325	55	80	BT50-CK5-240	FBH55 - FB5580-TP09		325	240	280	50	-	CK	1	7.24		
BT50-FBH55-385	55	80	BT50-CK5-300	FBH55 - FB5580-TP09		385	300	280	50	64	CK	2	8.64		
BT50-FBH68-195	68	104	BT50-CK6-95	FBH68 - FB68104-TP09		195	95	150	64	-	CK	1	6.50		
BT50-FBH68-270	68	104	BT50-CK6-170	FBH68 - FB68104-TP09		270	170	225	64	-	CK	1	8.30		
BT50-FBH68-330	68	104	BT50-CK6-230	FBH68 - FB68104-TP09		330	230	285	64	-	CK	1	9.60		
BT50-FBH68-390	68	104	BT50-CK6-290	FBH68 - FB68104-TP09		390	290	345	64	-	CK	1	11.0		
BT50-FBH68-450	68	104	BT50-CK6-350	FBH68 - FB68104-TP09		450	350	285	64	90	CK	2	15.5		

選配表 Option

刀桿 Shank
B700

• 長度單位 Unit of Length (mm)



背搪
Reverse
Boring

Fig.1

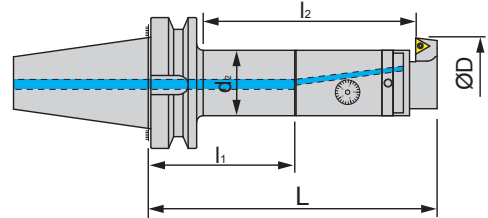
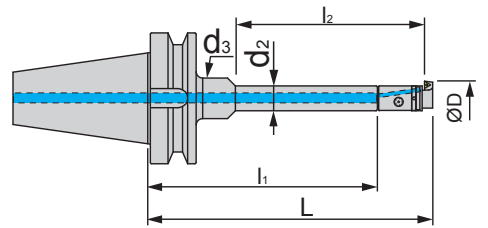


Fig.2



搪孔範圍
ø60~115
Boring Range

精度
0.002mm
Accuracy

規格 Spec.	øD 搪孔範圍 Boring Range		搪孔組合 Tools Combination								組合刀柄 Ck No.	Fig.	重量 (KGS) Weight
	Min.	Max.	刀桿 Shank	搪頭 - 刀片座 Boring Head - Insert Seat	L	l ₁	l ₂	d ₂	d ₃				
BT30-FBH55-145-R	60	84	BT30-CK5-60	FBH55 - RB6084-TP09	145	60	90	50	-	CK	1	1.84	
BT30-FBH68-160-R	78	115	BT30-CK6-60	FBH68 - RB78115-TP09	160	60	105	64	-	CK	1	3.00	
BT40-FBH55-160-R	60	84	BT40-CK5-75	FBH55 - RB6084-TP09	160	75	100	50	-	CK	1	2.34	
BT40-FBH55-210-R	60	84	BT40-CK5-125	FBH55 - RB6084-TP09	210	125	150	50	-	CK	1	3.34	
BT40-FBH55-260-R	60	84	BT40-CK5-175	FBH55 - RB6084-TP09	260	175	200	50	-	CK	1	4.04	
BT40-FBH68-165-R	78	115	BT40-CK6-65	FBH68 - RB78115-TP09	165	65	105	50	-	CK	1	3.30	
BT40-FBH68-215-R	78	115	BT40-CK6-115	FBH68 - RB78115-TP09	215	115	155	50	-	CK	1	4.70	
BT40-FBH68-265-R	78	115	BT40-CK6-165	FBH68 - RB78115-TP09	265	165	205	50	-	CK	1	5.90	
BT50-FBH55-190-R	60	84	BT50-CK5-105	FBH55 - RB6084-TP09	190	105	120	50	-	CK	1	5.54	
BT50-FBH55-265-R	60	84	BT50-CK5-180	FBH55 - RB6084-TP09	265	180	195	50	-	CK	1	6.54	
BT50-FBH55-325-R	60	84	BT50-CK5-240	FBH55 - RB6084-TP09	325	240	255	50	-	CK	1	7.24	
BT50-FBH55-385-R	60	84	BT50-CK5-300	FBH55 - RB6084-TP09	385	300	255	50	64	CK	2	8.64	
BT50-FBH68-195-R	78	115	BT50-CK6-95	FBH68 - RB78115-TP09	195	95	125	64	-	CK	1	6.50	
BT50-FBH68-270-R	78	115	BT50-CK6-170	FBH68 - RB78115-TP09	270	170	200	64	-	CK	1	8.30	
BT50-FBH68-330-R	78	115	BT50-CK6-230	FBH68 - RB78115-TP09	330	230	260	64	-	CK	1	9.60	
BT50-FBH68-390-R	78	115	BT50-CK6-290	FBH68 - RB78115-TP09	390	290	320	64	-	CK	1	11.0	
BT50-FBH68-450-R	78	115	BT50-CK6-350	FBH68 - RB78115-TP09	450	350	260	64	90	CK	2	15.5	

選配表 Option

刀桿 Shank

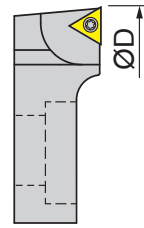


B700

• 長度單位 Unit of Length (mm)

FBH55/68 專用正反搪刀片座

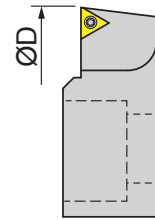
FBH55/68 FORWARD/REVERSE INSERT SEAT



- 正搪 Forward Boring

規格 Spec.	組合搪頭 Suitable Boring Head	øD 搪孔範圍 Boring Range(正搪)		轉接螺帽 Nut	鎖固螺絲 Locking screws	刀片 Insert	重量 (KGS) Weight
		Min.	Max.				
FB5580-TP09	FBH55	55	80	C16-BM10	SH-M10-25-16	TP.0902	0.14
FB68104-TP09	FBH55/FBH68	68	104	C16-BM10	SH-M10-25-16	TP.0902	0.22
FB100154-TP09	FBH55/FBH68	100	154	C16-BM10	SH-M10-25-16	TP.0902	0.3

※ 附鎖固螺絲 With locking screws



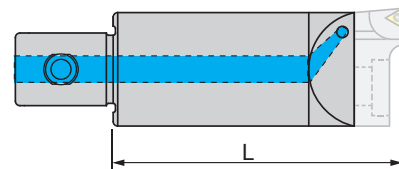
- 背搪 Reverse Boring

規格 Spec.	組合搪頭 Suitable Boring Head	øD 搪孔範圍 Boring Range(背搪)		轉接螺帽 Nut	鎖固螺絲 Locking screws	刀片 Insert	重量 (KGS) Weight
		Min.	Max.				
RB6084-TP09	FBH55	60	84	C16-BM10	SH-M10-25-16	TP.0902	0.20
RB78115-TP09	FBH55/FBH68	78	115	C16-BM10	SH-M10-25-16	TP.0902	0.40
RB110164-TP09	FBH55/FBH68	110	164	C16-BM10	SH-M10-25-16	TP.0902	0.60

※ 附鎖固螺絲 With locking screws

FBH55/68 專用刀片座轉接桿

FBH55/68 TRANSFER BAR FOR INSERT HOLDER



規格 Spec.	組合搪頭 Suitable Boring Head	刀片座 Insert Seat	øD 搪孔範圍 Boring Range		L	刀片 Insert	重量 (KGS) Weight
			Min.	Max.			
C16-BRM	FBH55 FBH68	FB2740-TP09	Ø27	Ø40	62	TP.0902	-
		FB3550-TP09	Ø35	Ø50	65	TP.0902	-
		FB4565-TP09	Ø45	Ø68	68	TP.0902	-

配件表 Accessories

刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque
TP.0902	M2.5-6.0-3.5-60	T8	1.2

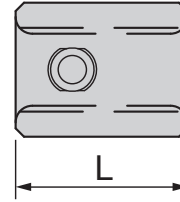
• 長度單位 Unit of Length (mm)



FBH55/68 專用轉接螺帽

FBH55/68 NUT

LEMMA



規格 Spec.	L	重量 (KGS) Weight
C16-BM10	20.5	0.04



FBH55/68 專用轉接板

FBH55/68 ADAPTER PLATE

LEMMA



規格 Spec.	組合搪頭 Suitable Boring Head	正搪刀片座 Forward Boring Insert Seat	øD 搪孔範圍 Boring Range(正搪)		背搪刀片座 Forward Boring Insert Seat	øD 搪孔範圍 Boring Range(背搪)		刀片 Insert	重量 (KGS) Weight
			Min.	Max.		Min.	Max.		
AP150204	FBH55 FBH68	FB100154-TP09	150	204	RB110164-TP09	160	214	TP.0902	0.72

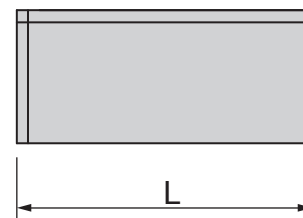
※ 附鎖固螺絲 SH-M5-20-8*4pcs With locking screws SH-M5-20-8*4pcs



FBH55/68 專用平衡塊

FBH55/68 BALANCE BASE

LEMMA



BORING

規格 Spec.	L	重量 (KGS) Weight
AP100	50	0.2

※ 附鎖固螺絲 SH-M10-25-16 With locking screws SH-M10-25-16

• 長度單位 Unit of Length (mm)



規格 Spec.	內容物 Contents								重量 (KGS) Weight		
	刀桿 Shank	搪頭 Boring Head	刀片座 Insert Seat	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque			
FBH55-SET	BT30-CK5-60 BT40-CK5-75 BT50-CK5-105 (任選一只)	FBH55	FB2740-TP09	BR1606-21-C	WBGT060104L-F RM4015(10片)	M2-3.8-2.68-43	T6	0.6	6.2		
			FB3550-TP09	BR1608-28-C	TBGT060102L-F01 RM4030(10片)	M2-5.0-2.7-60					
			FB4565-TP09	BR1610-35-C	TPGT090204L-F01 RM4030(10片)	M2.5-6.0-3.5-60	T8	1.2			
			FB5580-TP09	BR1612-42-C							
			FB68104-TP09	BR1614-50-C							
						BR1616-60-C	TPGT110302L-F02 RM4030(10片)	M3-8.0-4.0-43		T9	1.4
						BR1620-65-C					
			BR1624-68-C								

※ 此套裝組刀片為選配 The insert is optional for this set.

規格 Spec.	內容物 Contents							重量 (KGS) Weight
	轉接桿 Transfer Bar	轉接螺帽 Nut	鎖固螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench	扭力值 (N.m) Torque	
FBH55-SET	C16-BRM	C16-BM10	SH-M5-10-8 (1只) SH-M5-12-10 (1只) SH-M5-12-13 (1只) SH-M10-25-16 (1只)	PL4 PL5 PL6 PL8	5.0 6.0	PT2.5 PT3	5.0	6.2

• 長度單位 Unit of Length (mm)



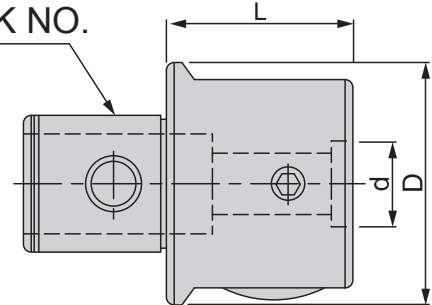
規格 Spec.	內容物 Contents								重量 (KGS) Weight
	刀桿 Shank	搪頭 Boring Head	刀片座 Insert Seat	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	
FBH68-SET	BT30-CK6-60 BT40-CK6-65 BT50-CK6-95 (任選一只)	FBH68	FB2740-TP09	BR1606-21-C	WBGTO60104L-F RM4015(10片)	M2-3.8-2.68-43	T6	0.6	7.7
			FB3550-TP09	BR1608-28-C	TBGT060102L-F01 RM4030(10片)	M2-5.0-2.7-60			
			FB4565-TP09	BR1610-35-C	TPGT090204L-F01 RM4030(10片)	M2.5-6.0-3.5-60	T8	1.2	
			FB68104-TP09	BR1612-42-C					
			FB100154-TP09	BR1614-50-C					
				BR1616-60-C	TPGT110302L-F02 RM4030(10片)	M3-8.0-4.0-43	T9	1.4	
				BR1620-65-C					
	BR1624-68-C								

※ 此套裝組刀片為選配 The insert is optional for this set.

規格 Spec.	內容物 Contents								重量 (KGS) Weight	
	轉接桿 Transfer Bar	轉接螺帽 Nut	轉接板 Adapter Plate	平衡塊 Balance Base	鎖固螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench		扭力值 (N.m) Torque
FBH68-SET	C16-BRM	C16-BM10	AP150204	AP100	SH-M5-10-8 (1只) SH-M5-12-10 (1只) SH-M5-12-13 (1只) SH-M5-20-8 (4只) SH-M10-25-16 (2只)	PL4 PL5 PL6 PL8	5.0 6.0	PT2.5 PT3	5.0	7.7



組合刀柄
MCK NO.

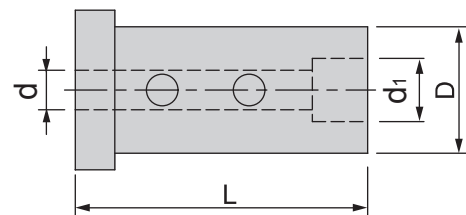


特點 Feature

- CBI 小徑精搪刀有三種選擇，適用於 $\varnothing 8 \sim \varnothing 50 \text{mm}$ 小孔徑使用，如使用全鎢鋼小徑搪刀桿可加工 $\varnothing 3 \sim \varnothing 10 \text{mm}$ 範圍小孔
- 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

- Three options of CBI compatible with small aperture from $\varnothing 8 \text{mm}$ to $\varnothing 50 \text{mm}$. Boring range can be within $\varnothing 3 \text{mm}$ to $\varnothing 10 \text{mm}$ if small diameter solid carbide boring bar has been employed.
- The dial has been graduated into 50 divisions, each of which is 0.01mm diameter, attached with sub-dial for finer adjustment.
- High precision internal lead screw maintain inner lubrication is free from the effects of chips, abrasion, and rust, featuring precision and high durability.

規格 Spec.	移動量 mm	組合刀柄 Mck No.	L	D	d	重量 (KGS) Weight
CBI4	0-2.0	MCK4	32	39	10	0.40
CBI5	0-3.5	MCK5	40	50	12	0.80
CBI6	0-5.0	MCK6	50	64	16	1.27



規格 Spec.	L	D	d	d ₁	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
SH-0416-37	37	16	4	8	HS4x4	PL2	3.0	0.07
SH-0516-37	37	16	5	8	HS5x5.5	PL2	3.0	0.06
SH-0616-37	37	16	6	8	HS6x4	PL2	3.0	0.06
SH-0716-37	37	16	7	8	HS6x4	PL2	3.0	0.06

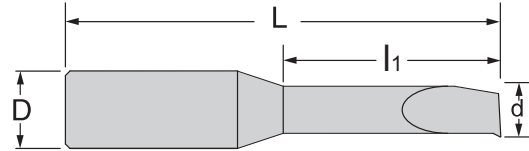
• 長度單位 Unit of Length (mm)



CBI 系列專用超小徑碳化鎢搪孔刀

CARBIDE BORING BAR FOR SMALL DIA.

KOVIT



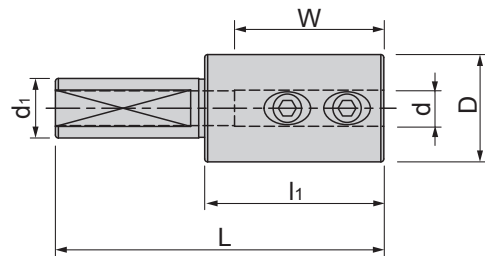
規格 Spec.	ød 搪孔範圍 Boring Range				L	l ₁	D	重量 (KGS) Weight
	Min.	Max.						
		CBI 4	CBI 5	CBI 6				
CBJ0603-15	3	7	10	13	50	15	6	-
CBJ0604-20	4	8	11	14	50	20	6	-
CBJ0605-25	5	9	12	15	60	25	6	-
CBJ0606-30	6	10	13	16	60	30	6	-
CBJ1008-35	8	12	15	18	75	35	10	-
CBJ1010-40	10	14	17	20	75	40		0.07



CBI 系列專用超小徑搪刀延長桿

BORING BAR EXTENSION FOR SMALL DIA.

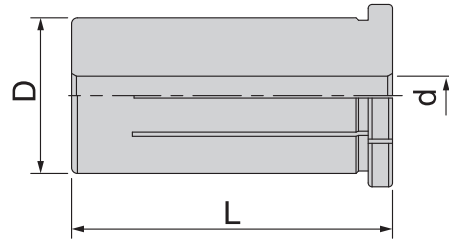
LEMMA



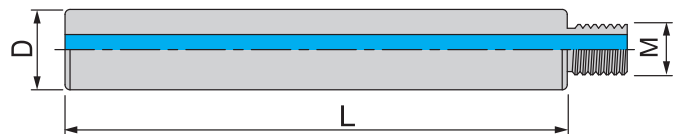
規格 Spec.	L	l ₁	D	d	d ₁	W	重量 (KGS) Weight
AC1006-30	55	30	18	6	10	25	0.08
AC1206-35	65	35	22	6	12	25	0.14
AC1210-35	65	35	22	10	12	30	0.12
AC1606-35	85	35	16	6	16	25	0.14
AC1610-35	85	35	22	10	16	30	0.14

BORING

• 長度單位 Unit of Length (mm)



規格 Spec.	L	D	d	重量 (KGS) Weight
SBJ - 10-4K	30	10	4	0.01
SBJ - 10-6K	30	10	6	0.01
SBJ - 10-8K	30	10	8	0.01
SBJ - 12-4K	35	12	4	0.01
SBJ - 12-6K	35	12	6	0.01
SBJ - 12-8K	35	12	8	0.01
SBJ - 12-10K	35	12	10	0.01
SBJ - 16-8K	37	16	8	0.08
SBJ - 16-10K	37	16	10	0.04
SBJ - 16-12K	37	16	12	0.02
SBJ - 16-14K	37	16	14	0.01



特點 Feature

- 搪孔深度不得超過孔徑六倍

- Boring depth must not exceed six times of the diameter.

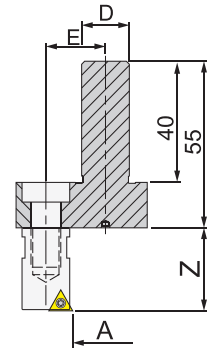
規格 Spec.	øD 搪孔範圍 Boring Range		L	D	M	組合搪頭 Suitable Boring Head	重量 (KGS) Weight
	Min.	Max.					
ST08 - W5-100L	9	13	100	8	M5x0.8P	SEB09N	0.07
ST10 - W6-110L	12	15	110	10	M6x1.0P	SEB12N	0.14
ST12 - W6-120L	14	17	120	12	M6x1.0P	SEB14N	0.21
ST14 - W6-160L	16	20	160	14	M6x1.0P	SEB16N	0.36
ST16 - W10-160L	18	42	160	16	M10x1.25P	SEB18N~SEB50N	0.47

CBR20/CBR30 組合式外圓搪孔組件

CBR20/CBR30 MODULAR EXTERNAL BORING HEAD



範例 Example



規格 Spec.	搪頭	A	偏心距離 E	有效深 Z	D	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
C16-CBR20 C20-CBR20	SEB36N	5 - 14	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB34N	7 - 16	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB32N	9 - 18	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB30N	11 - 20	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB28N	13 - 22	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB26N	15 - 24	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB24N	17 - 26	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB22N	19 - 28	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB20N	21 - 30	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB18N	23 - 32	20	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
C16-CBR30 C20-CBR30	SEB36N	25 - 34	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB34N	27 - 36	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB32N	29 - 38	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB30N	31 - 40	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB28N	33 - 42	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB26N	35 - 44	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB24N	37 - 46	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB22N	39 - 48	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB20N	41 - 50	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-
	SEB18N	43 - 52	30	25	16/20	TP.0802	M2-5.0-2.7-60	T6	0.6	-

※C16-CBR20、CBR30 為 CBI6 搪孔器專用搪外圓組件 C16-CBR20、CBR30 are the external boring assemblies for CBI6 boring system.

※C20-CBR20、CBR30 為 NBH2084 搪孔器專用搪外圓組件 C20-CBR20、CBR30 are the external boring assemblies for NBH2084 boring system.

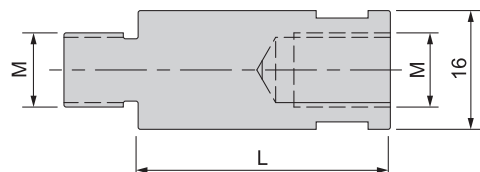
※ 附螺絲 M10x20L With Screw M10 x 20L

CBR20/CBR30 專用加長連接桿

CBR20/CBR30 EXTENSION ADAPTER

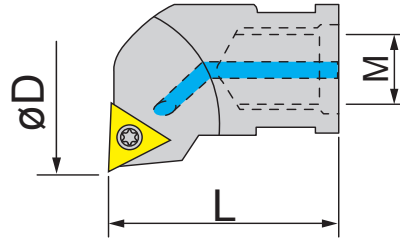


範例 Example



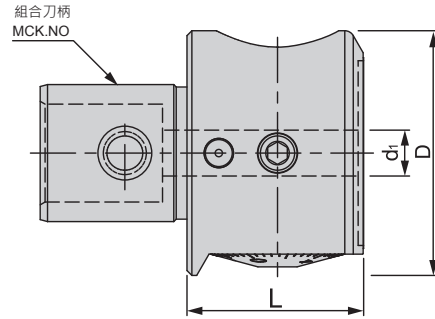
規格 Spec.	搪頭 Boring Head	L	結合牙 M	重量 (KGS) Weight
CBRM10-34	SEB18N~SEB36N	34	M10	0.06
CBRM10-64	SEB18N~SEB36N	64	M10	0.10

• 長度單位 Unit of Length (mm)



規格 Spec.	øD 搪孔範圍 Boring Range		L	M	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.							
SEB09N-TP08	9	10.5	18	M5	TP.0802	M2-5.0-2.7-60	T6	0.6	0.02
SEB10.5N-TP08	10.5	12	18	M5	TP.0802	M2-5.0-2.7-60	T6	0.6	0.02
SEB12N-TP08	12	14	23	M6	TP.0802	M2-5.0-2.7-60	T6	0.6	0.02
SEB14N-TP08	14	16	23	M6	TP.0802	M2-5.0-2.7-60	T6	0.6	0.02
SEB16N-TP08	16	18	23	M6	TP.0802	M2-5.0-2.7-60	T6	0.6	0.03
SEB18N-TP08	18	20	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.03
SEB20N-TP08	20	22	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB22N-TP08	22	24	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB24N-TP08	24	26	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB26N-TP08	26	28	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB28N-TP08	28	30	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB30N-TP08	30	32	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB32N-TP08	32	34	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04
SEB34N-TP08	34	36	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.05
SEB36N-TP08	36	38	27	M10	TP.0802	M2-5.0-2.7-60	T6	0.6	0.04

規格 Spec.	øD 搪孔範圍 Boring Range		L	M	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.							
SEB09N-TB06	9	10.5	18	M5	TB.0601	M2-5.0-2.7-60	T6	0.6	0.02
SEB12N-TB06	12	14	23	M6	TB.0601	M2-5.0-2.7-60	T6	0.6	0.02
SEB14N-TP09	14	16	23	M6	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.02
SEB16N-TP09	16	18	23	M6	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.03
SEB18N-TP09	18	20	27	M10	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.03
SEB20N-TP09	20	22	27	M10	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
SEB22N-TP11	22	24	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB24N-TP11	24	26	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB26N-TP11	26	28	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB28N-TP11	28	30	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB30N-TP11	30	32	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB32N-TP11	32	34	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB34N-TP11	34	36	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.05
SEB36N-TP11	36	38	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.04
SEB38N-TP11	38	40	27	M10	TP.1103	M3-8.0-4.0-43	T9	1.4	0.05



搪孔範圍 ø6~50 Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
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特點 Feature

- 採用特殊表面處理，加強防鏽效果
- 搭配 16mm 柄徑的小徑搪刀，並搭配不同切削刀具，達成多樣化的組合，以利客戶加工使用
- 微調單位：每刻度移動量為 0.01mm，另有副尺可做更精確之調整，搪孔範圍 Ø6~Ø50mm
- With special coating treatment, to strengthen the anti-corrosion effect.
- Use with 16mm shank trails boring, and match with different cutting tools can achieve variety of combinations, in order to facilitate customers choice of tool.
- Micro-adjustment until: each unit is 0.01mm. Attached with a sub-dial for finer adjustment, boring range Ø6~Ø50mm.

規格 Spec.	øD 搪孔範圍 Boring Range		D	微調行程 Stroke	精度 Accuracy	d.	L	組合刀柄 Mck No.	重量 (KGS) Weight
	Min.	Max.							
SBJ10	6	22	39	2	0.01	10	28.5	CK4/MCK4	0.25
SBJ12	6	32	50	3.5	0.01	12	36	CK5/MCK5	0.50
SBJ16	6	50	63.5	6	0.01	16	45	CK6/MCK6	1.00

範例 Example

1. SBJ16+SBJ1612-53



2. SBJ16+SBJ-16-10K+ST10-W6-110L
+SEB12N TP08



3. SBJ16+AC1606-35+CBJ0603-15



4. SBJ16+C16-CBR30+SEB28N TP09

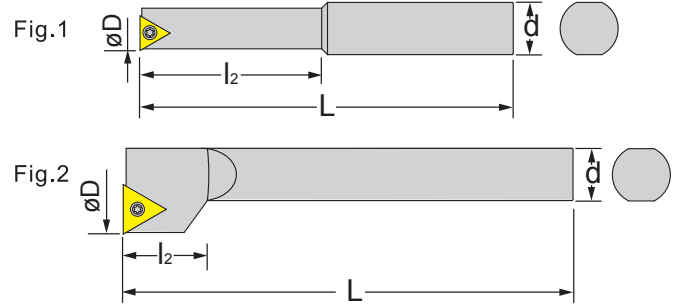


SBJ-10 替換式搪孔刀柄

SBJ-10 INTERCHANGABLE BORING CUTTER



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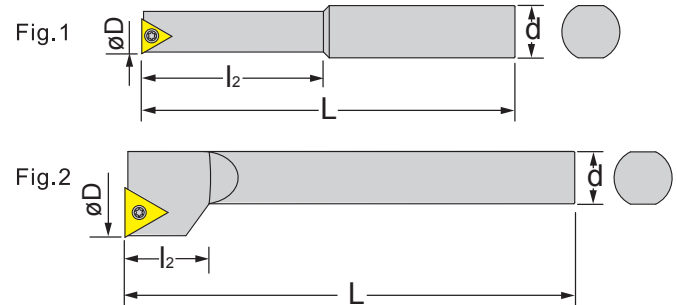
規格 Spec.	ϕD 搪孔範圍 Boring Range		D	d	L	l_2	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	Fig.	重量 (KGS) Weight
	Min.	Max.										
SBJ-1008-32	8	10	8	10	64	32	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.06
SBJ-1010-40	10	12	10	10	77	40	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.06
SBJ-1012-45	12	16	12	10	77	22	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.08
SBJ-1016-45	16	20	16	10	77	20	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.08
SBJ-1020-45	20	25	20	10	77	22.7	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.08

SBJ-12 替換式搪孔刀柄

SBJ-12 INTERCHANGABLE BORING CUTTER

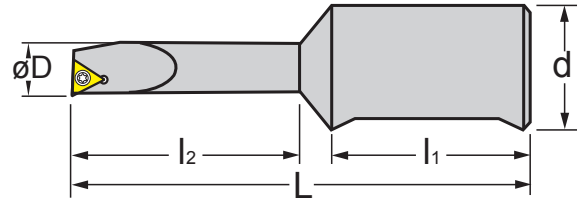


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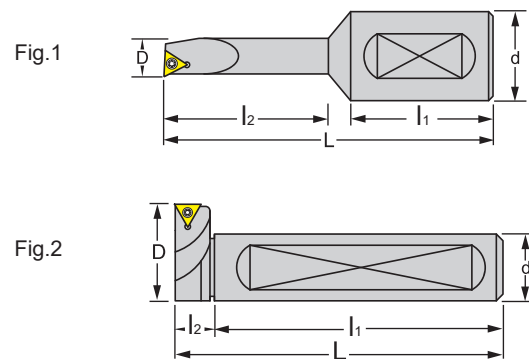


規格 Spec.	ϕD 搪孔範圍 Boring Range		D	d	L	l_2	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	Fig.	重量 (KGS) Weight
	Min.	Max.										
SBJ-1208-32	8	10	8	12	64	32	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.08
SBJ-1210-40	10	12	10	12	72	40	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.08
SBJ-1212-45	12	16	12	12	77	45	TP..0902	M2.5-6.0-3.5-60	T8	1.2	1	0.08
SBJ-1216-45	16	20	16	12	77	20	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.10
SBJ-1220-45	20	25	20	12	77	23	TP..0902	M2.5-6.0-3.5-60	T8	1.2	2	0.08

• 長度單位 Unit of Length (mm)



規格 Spec.	øD 搪孔範圍 Boring Range		D	d	L	l ₁	l ₂	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight
	Min.	Max.										
SBJ-1606-24	6	9	6	16	-	32	24	WB..0601	M2-3.8-2.68-43	T6	0.6	0.09
SBJ-1608-32	8	11	8	16	74	32	32	TB..0601	M2-5.0-2.7-60	T6	0.6	0.09
SBJ-1608-40	8	11	8	16	82	32	40	TB..0601	M2-5.0-2.7-60	T6	0.6	0.07
SBJ-1610-40	10	13	10	16	75	32	40	TB..0601	M2-5.0-2.7-60	T6	0.6	0.09
SBJ-1610-50	10	13	10	16	85	32	50	TB..0601	M2-5.0-2.7-60	T6	0.6	0.08
SBJ-1612-53	12	17	12	16	85	32	53	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.10
SBJ-1612-65	12	17	12	16	97	32	65	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.12
SBJ-1616-68	16	21	16	16	100	32	68	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.15
SBJ-1616-85	16	21	16	16	117	32	85	TP..0902	M2.5-6.0-3.5-60	T8	1.2	0.16
SBJ-1620-83	20	26	20	16	115	32	83	TP..1103	M3-8.0-4.0-43	T9	1.4	0.23
SBJ-1620-105	20	26	20	16	137	32	105	TP..1103	M3-8.0-4.0-43	T9	1.4	0.25
SBJ-1625-90	25	32	25	16	122	32	90	TP..1103	M3-8.0-4.0-43	T9	1.4	0.25
SBJ-1630-90	30	40	30	16	122	32	90	TP..1103	M3-8.0-4.0-43	T9	1.4	0.29
SBJ-1640-90	40	50	40	16	122	32	90	TP..1103	M3-8.0-4.0-43	T9	1.4	0.30



規格 Spec.	øD 搪孔範圍 Boring Range		D	d	L	l ₁	l ₂	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	Fig.	重量 (KGS) Weight
	Min.	Max.											
SBJ-2008-32	8	11	8	20	76	32	44	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.12
SBJ-2010-40	10	13	10	20	76	32	44	TB..0601	M2-5.0-2.7-60	T6	0.6	1	0.10
SBJ-2012-53	12	17	12	20	85	32	53	TP..0902	M2.5-6.0-3.5-60	T8	1.2	1	0.13
SBJ-2016-68	16	21	16	20	100	32	68	TP..0902	M2.5-6.0-3.5-60	T8	1.2	1	0.18
SBJ-2020-83	20	26	20	20	115	32	83	TP..1103	M3-8.0-4.0-43	T9	1.4	1	0.25
SBJ-2025-96	25	32	25	20	135	32	96	TP..1103	M3-8.0-4.0-43	T9	1.4	1	0.30
SBJ-2030-115	30	40	30	20	158	32	115	TP..1103	M3-8.0-4.0-43	T9	1.4	1	0.59
SBJ-L20-20	120	280	28	20	97	83.5	13.5	TP..1103	M3-8.0-4.0-43	T9	1.4	2	0.28


Fig.1

Fig.2

Fig.3

Fig.4

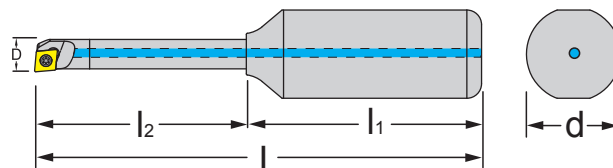
規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
SBJ-10-SET	SBJ-1008-32	TBGH060104L RM4030(10片)	M2-5.0-2.7-60	T6K	0.6	1	1	1.39
	SBJ-1010-40							
	SBJ-1012-45	TPGH090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	SBJ-1016-45							
	SBJ-1020-45							

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
SBJ-12-SET	SBJ-1208-32	TBGH060104L RM4030(10片)	M2-5.0-2.7-60	T6K	0.6	1	2	1.45
	SBJ-1210-40							
	SBJ-1212-45	TPGH090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	SBJ-1216-45							
	SBJ-1220-45							

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
SBJ-16-SET	SBJ-1608-32	TBGH060104L RM4030(10片)	M2-5.0-2.7-60	T6K	0.6	1	3	2.7
	SBJ-1610-40							
	SBJ-1612-53	TPGH090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	SBJ-1616-68							
	SBJ-1620-83	TPGH110304L RM4030(10片)	M3-8.0-4.0-43	T9K	1.4			
	SBJ-1625-90							
	SBJ-1630-90							
SBJ-1640-90								

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
SBJ-20-SET	SBJ-2008-32	TBGH060104L RM4030(10片)	M2-5.0-2.7-60	T6K	0.6	1	4	3.02
	SBJ-2010-40							
	SBJ-2012-53	TPGH090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	SBJ-2016-68							
	SBJ-2020-83	TPGH110304L RM4030(10片)	M3-8.0-4.0-43	T9K	1.4			
	SBJ-2025-96							
	SBJ-2030-115							
SBJ-L20-20								

• 長度單位 Unit of Length (mm)



特點 Feature

- 使用碳化鎢鋼材質，加工深度可達直徑的數倍
- 高剛性，延長使用刀片壽命
- 抗震性佳，加工後搪孔尺寸穩定

- The use carbon tungsten steel material quality, the working depth may reach the diameter the several-fold.
- High rigidity, extend use bit life.
- The vibration resistance quality is good, after the processing, the boring size is stable.

Dx5

規格 Spec.	L	l ₁	l ₂	D	d	øD 搪孔範圍 Boring Range		刀片 Insert	重量 (KGS) Weight
						Min.	Max.		
CSBJ-1605-28-C	68	40	28	5.6	16	5.6	8	CC..03S1	0.06
CSBJ-1606-30-C	70	40	30	6	16	6	9	CC..03S1	0.07
CSBJ-1608-40-C	80	40	40	8	16	8	11	TB..0601	0.07
CSBJ-1610-50-C	90	40	50	10	16	10	13	TB..0601	0.10
CSBJ-1612-60-C	100	40	60	12	16	12	15	TP..0902	0.13
CSBJ-1614-70-C	110	40	70	14	16	14	17	TP..0902	0.18
CSBJ-1616-80-C	120	40	80	16	16	16	19	TP..1103	0.25
CSBJ-1618-90-C	130	-	-	18	16	18	21	TP..1103	0.33

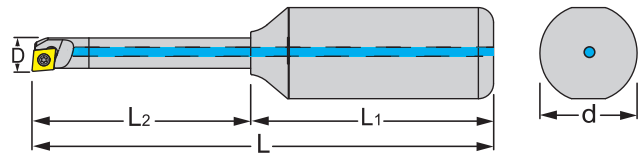
Dx6

規格 Spec.	L	l ₁	l ₂	D	d	øD 搪孔範圍 Boring Range		刀片 Insert	重量 (KGS) Weight
						Min.	Max.		
CSBJ-1605-34-C	74	40	34	5.6	16	5.6	8	CC..03S1	0.06
CSBJ-1606-36-C	76	40	36	6	16	6	9	CC..03S1	0.07
CSBJ-1608-48-C	88	40	48	8	16	8	11	TB..0601	0.08
CSBJ-1610-60-C	100	40	60	10	16	10	13	TB..0601	0.10
CSBJ-1612-72-C	112	40	72	12	16	12	15	TP..0902	0.15
CSBJ-1614-84-C	124	40	84	14	16	14	17	TP..0902	0.20
CSBJ-1616-96-C	136	40	96	16	16	16	19	TP..1103	0.28
CSBJ-1618-108-C	148	-	-	18	16	18	21	TP..1103	0.38

配件表 Accessories

刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque
CC..03S1	M1.8-4.2-2.5-54	T6	0.6
TB..0601	M2-5.0-2.7-60	T6	0.6
TP..0902	M2.5-6.0-3.5-60	T8	1.2
TP..1103	M3-8.0-4.0-43	T9	1.4

• 長度單位 Unit of Length (mm)



特點 Feature

- 使用碳化鎢鋼材質·加工深度可達直徑的數倍
- 高剛性·延長使用刀片壽命
- 抗震性佳·加工後搪孔尺寸穩定

- The use carbon tungsten steel material quality, the working depth may reach the diameter the several-fold.
- High rigidity, extend use bit life.
- The vibration resistance quality is good, after the processing, the boring size is stable.

Dx5

規格 Spec.	D	d	L	L ₁	L ₂	øD 搪孔範圍 Boring Range		刀片 Insert	重量 (KGS) Weight
						Min.	Max.		
CSBJ-1605-28-C	5.6	16	68	40	28	5.6	8	CC..03S1	0.06
CSBJ-1606-30-C	6	16	70	40	30	6	9	CC..03S1	0.07
CCBJ-1608-40-C	8	16	80	40	40	8	11	CC..03S1	0.07
CCBJ-1610-50-C	10	16	90	40	50	10	13	CC..0602	0.10
CCBJ-1612-60-C	12	16	100	40	60	12	15	CC..0602	0.13
CCBJ-1614-70-C	14	16	110	40	70	14	17	CC..09T3	0.18
CCBJ-1616-80-C	16	16	120	40	80	16	19	CC..09T3	0.25
CCBJ-1618-90-C	18	16	130	-	-	18	21	CC..09T3	0.33

Dx6

規格 Spec.	D	d	L	L ₁	L ₂	øD 搪孔範圍 Boring Range		刀片 Insert	重量 (KGS) Weight
						Min.	Max.		
CSBJ-1605-34-C	5.6	16	74	40	34	5.6	8	CC..03S1	0.06
CSBJ-1606-36-C	6	16	76	40	36	6	9	CC..03S1	0.07
CCBJ-1608-48-C	8	16	88	40	48	8	11	CC..03S1	0.08
CCBJ-1610-60-C	10	16	100	40	60	10	13	CC..0602	0.10
CCBJ-1612-72-C	12	16	112	40	72	12	15	CC..0602	0.15
CCBJ-1614-84-C	14	16	124	40	84	14	17	CC..09T3	0.20
CCBJ-1616-96-C	16	16	136	40	96	16	19	CC..09T3	0.28
CCBJ-1618-108-C	18	16	148	-	-	18	21	CC..09T3	0.38

配件表 Accessories

刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque
CC..03S1	M1.8-4.2-2.5-54	T6	0.6
CC..0602	M2.5-6.0-3.5-60	T8	1.2
CC..09T3	M4-8.0-5.7-60	T15	3.0

• 長度單位 Unit of Length (mm)



Fig.1



Fig.2



Fig.3



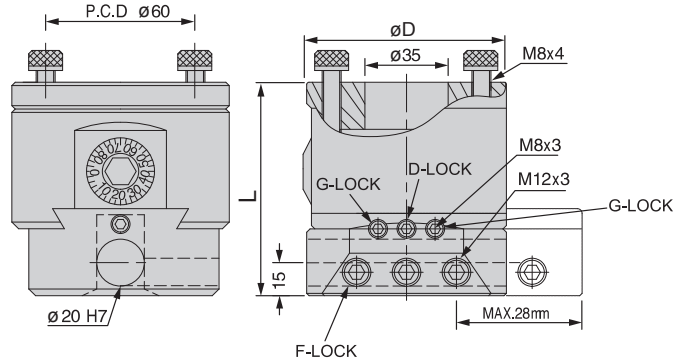
Fig.4

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
CSBJ16-C Dx5-SET	CSBJ-1605-28-C	CCGT03S104L-F RM4015(10片)	M1.8-4.2-2.5-54	T6K	0.6	1	1	2.16
	CSBJ-1606-30-C							
	CSBJ-1608-40-C	TBGT060104L RM4030(10片)	M2-5.0-2.7-60					
	CSBJ-1610-50-C							
	CSBJ-1612-60-C	TPGT090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	CSBJ-1614-70-C							
	CSBJ-1616-80-C	TPGT110304L RM4030(10片)	M3-8.0-4.0-43	T9K	1.4			
CSBJ-1618-90-C								

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
CSBJ16-C Dx6-SET	CSBJ-1605-34-C	CCGT03S104L-F RM4015(10片)	M1.8-4.2-2.5-54	T6K	0.6	1	2	2.16
	CSBJ-1606-36-C							
	CSBJ-1608-48-C	TBGT060104L RM4030(10片)	M2-5.0-2.7-60					
	CSBJ-1610-60-C							
	CSBJ-1612-72-C	TPGT090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	CSBJ-1614-84-C							
	CSBJ-1616-96-C	TPGT110304L RM4030(10片)	M3-8.0-4.0-43	T9K	1.4			
CSBJ-1618-108-C								

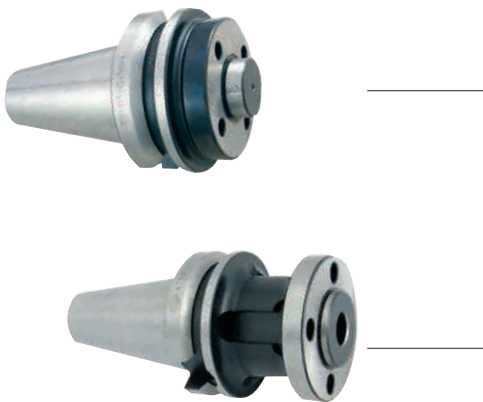
規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
CCBJ16-C Dx5-SET	CSBJ-1605-28-C	CCGT03S104L-F RM4015(10片)	M1.8-4.2-2.5-54	T6K	0.6	1	3	2.16
	CSBJ-1606-30-C							
	CCBJ-1608-40-C							
	CCBJ-1610-50-C	CCMT060204-M01 RM425(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	CCBJ-1612-60-C							
	CCBJ-1614-70-C	CCMT09T304-M01 RM425(10片)	M4-8.0-5.7-60	T15K	3.0			
	CCBJ-1616-80-C							
CCBJ-1618-90-C								

規格 Spec.	內容物 Contents						Fig.	重量 (KGS) Weight
	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	數量 Qty		
CCBJ16-C Dx6-SET	CSBJ-1605-34-C	CCGT03S104L-F RM4015(10片)	M1.8-4.2-2.5-54	T6K	0.6	1	4	3.2
	CSBJ-1606-36-C							
	CCBJ-1608-48-C							
	CCBJ-1610-60-C	CCMT060204-M01 RM425(10片)	M2.5-6.0-3.5-60	T8K	1.2			
	CCBJ-1612-72-C							
	CCBJ-1614-84-C	CCMT09T304-M01 RM425(10片)	M4-8.0-5.7-60	T15K	3.0			
	CCBJ-1616-96-C							
CCBJ-1618-108-C								



搪孔範圍 $\varnothing 8 \sim 280$ Boring Range	精度 0.01mm Accuracy	最高轉速 8000 Max. rpm
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規格 Spec.	$\varnothing D$ 搪孔範圍 Boring Range		微調行程 Stroke	精度 Win Feed	刀具孔徑 Tooling Dia	組合刀柄 NBH	L	D	重量 (KGS) Weight
	Min.	Max.							
NBH2084S	8	280	28	0.01	$\varnothing 20$	NBH	83	84	3.26



BT/NT 粗 / 精搪孔頭刀桿
BT/NT Boring Head Shank

NBH2084S 精密搪孔頭
NBH2084S Precision Boring Head



SBJ-20 替換式搪孔刀柄
SBJ-20 Interchangeable Boring Cutter

選配表 Option

刀桿 Shank		搪刀 Cutter
B698-B700	B706	B747

• 長度單位 Unit of Length (mm)



Fig.1



Fig.2



Fig.3



Fig.4

規格 Spec.	內容物 Contents							Fig.	重量 (KGS) Weight
	搪刀頭 Boring Head	刀具 Tools	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench	數量 Qty		
NT30-NBH2084S-3P-SET	NBH2084S	SBJ-2012-53	M2.5-6.0-3.5-60	T8K	1.2	PT4	1	1	6.20
NT40-NBH2084S-3P-SET									6.60
NT50-NBH2084S-3P-SET		SBJ-2025-96	M3-8.0-4.0-43	T9K	1.4	PT6			8.90
BT40-NBH2084S-3P-SET									8.00
BT50-NBH2084S-3P-SET									SBJ-L20-20

規格 Spec.	內容物 Contents								Fig.	重量 (KGS) Weight
	搪刀頭 Boring Head	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench	數量 Qty		
NT30-NBH2084S-3P-SET	NBH2084S	SBJ-2012-53	TPGT090204L RM4030(10片)	M2.5-6.0-3.5-60	T8K	1.2	PT4	1	2	6.40
NT40-NBH2084S-3P-SET										6.80
NT50-NBH2084S-3P-SET		SBJ-2025-96	TPGT110304L RM4030(10片)	M3-8.0-4.0-43	T9K	1.4	PT6			9.10
BT40-NBH2084S-3P-SET										8.50
BT50-NBH2084S-3P-SET										SBJ-L20-20

規格 Spec.	內容物 Contents							Fig.	重量 (KGS) Weight
	搪刀頭 Boring Head	刀具 Tools	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench	數量 Qty		
NT30-NBH2084S-8P-SET	NBH2084S	SBJ-2008-32	M2-5.0-2.7-60	T6K	0.6	PT4	1	3	7.30
NT40-NBH2084S-8P-SET		SBJ-2010-40							7.70
NT50-NBH2084S-8P-SET		SBJ-2012-53							10.0
BT40-NBH2084S-8P-SET		SBJ-2016-68	M2.5-6.0-3.5-60	T8K	1.2	8.70			
BT50-NBH2084S-8P-SET		SBJ-2020-83	M3-8.0-4.0-43	T9K	1.4	PT6			11.19
		SBJ-2025-96							-
		SBJ-2030-115							-
		SBJ-L20-20							-

規格 Spec.	內容物 Contents								Fig.	重量 (KGS) Weight
	搪刀頭 Boring Head	刀具 Tools	刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	扳手 Wrench	數量 Qty		
NT30-NBH2084S-8P-SET	NBH2084S	SBJ-2008-32	TBGT060102L RM4030 (10片)	M2-5.0-2.7-60	T6K	0.6	PT4	1	4	7.50
NT40-NBH2084S-8P-SET		SBJ-2010-40								7.80
NT50-NBH2084S-8P-SET		SBJ-2012-53	TPGT090204L RM4030 (10片)	M2.5-6.0-3.5-60	T8K	1.2	PT4			10.2
BT40-NBH2084S-8P-SET		SBJ-2016-68								9.00
BT50-NBH2084S-8P-SET		SBJ-2020-83								11.19
		SBJ-2025-96	TPGT110304L RM4030 (10片)	M3-8.0-4.0-43	T9K	1.4	PT6			-
		SBJ-2030-115								-
		SBJ-L20-20								-

• 長度單位 Unit of Length (mm)



ISO 分類	P	合金鋼 Alloyed Steels	○																		切削狀態 Cutting Condition : ● 連續切削 Continuous Cutting ○ 一般切削 General Cutting ■ 斷續切削 Interrupted Cutting		
	M	不鏽鋼 Stainless Steels																					
	K	鑄鐵 Cast Iron																					
	N	鋁及鋁合金 Aluminum&Al																					
S	高溫合金 Refractory Alloys																						
H	高硬度材 Hard Material																						
形狀 Form	規格 Spec.	鍍層硬質合金 Layer coating carbide alloy				鍍層超微粒 Layer coating ultra-micro				瓷金 Cermet		超硬微粒 Ultra-hard microprogram		尺寸 (mm)				圖形 Drawing					
		CVD				CHF				HT		HF		Size									
		RM4035				RM4015	RM4030			RM1205		RM5005			d	i	s		r				
	CCGT03S102L-F													3.57	-	1.39	0.2						
	CCGT03S104L-F					●								3.57	-	1.39	0.4						
	CCMT060202N-F01	●												6.35	6.4	2.38	0.4						
	CCMT060204N-F01	●												6.35	6.4	2.38	0.8						
	CCMT09T304N-F01	●												9.525	9.7	3.97	0.4						
	CCMT09T308N-F01	●												9.525	9.7	3.97	0.8						
	CCMT120404N-F01	●												12.7	12.9	4.76	0.4						
	CCMT120408N-F01	●												12.7	12.9	4.76	0.8						
	TBGT060102L-F01						●			●		●		3.97	6.4	1.59	0.2						
	TBGT060104L-F01						●			●		●		3.97	6.4	1.59	0.4						
	TPGT080202L-F01						●			●		●		4.76	8.2	2.38	0.2						
	TPGT080204L-F01						●			●		●		4.76	8.2	2.38	0.4						
	TPGT090202L-F01						●			●		●		5.56	9.6	2.38	0.2						
	TPGT090204L-F01						●			●		●		5.56	9.6	2.38	0.4						
	TPGT110302L-F01						●			●		●		6.35	11	3.18	0.2						
	TPGT110304L-F01						●			●		●		6.35	11	3.18	0.4						

• 長度單位 Unit of Length (mm)



Damping

減震模組化示意圖

Modular combination

車削TURNING

一體式
Integrated



DP/STUPR一體式減震車刀架
Vibration-damped Boring Bar With Coolant

BM 模組化系列
BM Modular Series



BM模組化高硬度減震車刀柄
Modular Vibration-damped Boring Bar



BM模組化高硬度大柄徑減震車刀柄
Modular Vibration-damped Boring Bar



BM模組化鎢鋼減震車刀柄
Modular Vibration-damped Carbide Boring Bar



BM/SCLCR, STUCR, SNR
BM/SDUCR, STUPR, SVUCR
BM/MCLNR, MTUNR

DPFSCK 模組化系列
DPFSCK Modular Series



DPFSCK 模組化減震車刀柄
Modular Vibration-damped Boring Bar Shank



FSCK/SCLC, SCLP, SCKC, SDZC
FSCK/SDUC, STFC, STUC, STUP
FSCK/SVJC, MCLN, MTUN, SDQC
FSCK/SSSC, SVUC, SIR, DGIR

平面銑削FACE MILLING



FDP減震銑刀桿
Damping Face Mill Arbor



HR圓刀殼型銑刀
Round Corner End Milling Cutter



BGP迷你殼型銑刀
Face Milling Cutter



IFM殼型銑刀
Face Milling Cutter



GR圓刀殼型銑刀
Round Corner End Milling Cutter



SFM殼型銑刀
Face Milling Cutter



KM45°殼型銑刀
Face Milling Cutter



KFM殼型銑刀
Face Milling Cutter

搪孔Boring

樣式1 Type1

(DX6)



MCK搪孔頭刀柄
Boring Head Shank



CK搪孔頭刀柄
Boring Head Shank



SCK/DP 減震延長桿
Damping Extension



SMB超微米精搪頭
SMB Super Micron Exchangeable
Finish Boring Head

樣式2 Type2

(DX6)



CK / DP搪孔頭刀柄
Boring Head Shank



SMB超微米精搪頭
SMB Super Micron Exchangeable
Finish Boring Head

樣式3 Type3

(DX8)



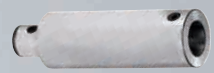
MCK搪孔頭刀柄
Boring Head Shank



CK搪孔頭刀柄
Boring Head Shank



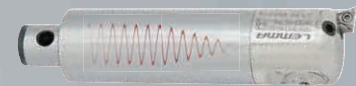
SBT/MLK法蘭加厚型(雙面拘束)
強力銑削夾頭
Dual DRIVE Force Collet Chuck



SCK延長桿
Anti-Vibration Extension



SCK直柄碳化鎢鋼搪孔頭刀桿
Straight Carbide Boring Shank



CBH / DP減震精搪頭
Damping Finish Boring Head

樣式4 Type4

(DX8)



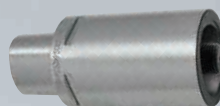
HSK/PSC套筒
HSK/PSC Adapter



SBT/PSC套筒
SBT/PSC Adapter



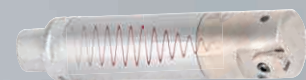
DAT/PSC套筒
DAT/PSC Adapter



PSC等徑套筒
PSC Adapter For Same Dia.



PSC異徑套筒
Adapter For Different Dia.



PSC/PMB減震精密微調搪頭
Submicron Finish Boring Head

Feature

Anti-Vibration



DP減震系列特點

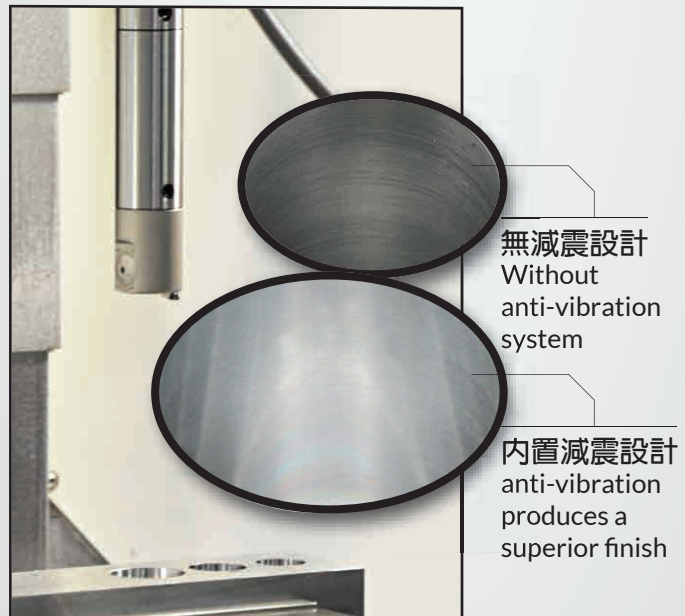


本產品應用在加工深度為柄徑的4~8倍長效果最好。減震器與搪孔頭的結合，一體式的結構，當搪孔加工時可與一般MCK/CK刀桿結合，得到更大的加工有效長與更好的加工表面精度。

具有多種規格，所有規格均具有中心出水功能。使用雙邊對稱定位接合，可使減震效果更好。

For most efficient results use for 4D~8D machining. Adjust the scale of each grid to a diameter of 0.002mm. The integrated damper and extension with generic MCK/CK arbors achieve wider cuts and better accuracy.

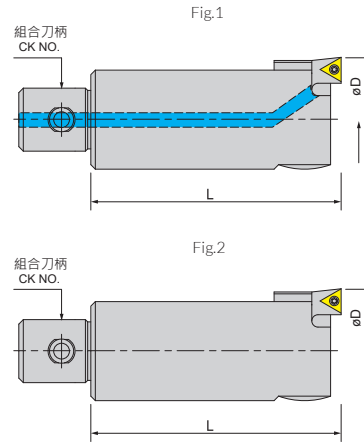
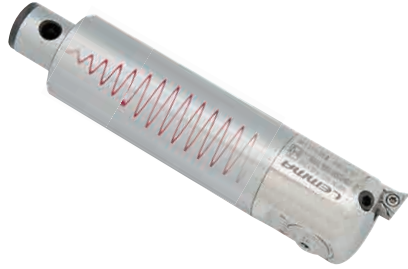
No matter the specifications or the desired function the coolant runs through the spindle. The bilateral symmetry joint allows for almost zero vibration.



使用減震系列產品，對於長懸伸刀具加工時，可有效改善工件表面粗糙度、提高金屬切除率、延長刀具使用壽命。

The CBH/DP is most efficient cutting deeply. It enhances the workpiece's surface finish and has a longer life.

Anti-Vibration



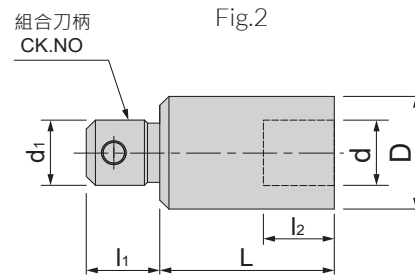
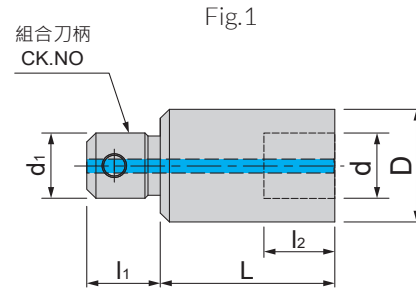
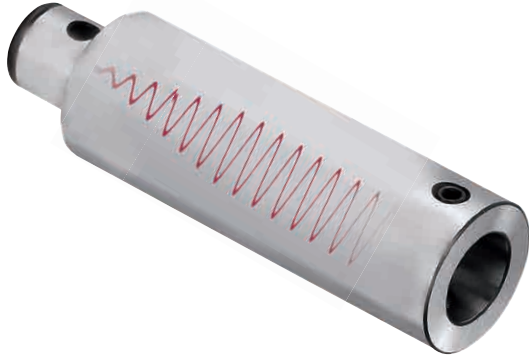
搪孔範圍 ø20~152 Boring Range	精度 0.01mm Accuracy	最高轉速 6000 Max. rpm
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規格 Spec.	øD 搪孔範圍 Boring Range		組合刀柄 Ck No.	L	使用刀片 Insert	螺絲 Screw	扳手 Wrench	扭力值 (N.m) Torque	重量 (KGS) Weight	Fig.
	Min.	Max.								
CBH20DP-90L-TP08	20	26	CK1	90	TP.0802	M2-5.0-3.1-60	T6	0.6	0.22	2
CBH25DP-90L-TP08	25	33	CK2	90	TP.0802	M2-5.0-3.1-60	T6	0.6	0.39	2
CBH32DP-100L-TP08	32	42	CK3	100	TP.0802	M2-5.0-3.1-60	T6	0.6	0.71	1
CBH40DP-120L-TP08	40	55	CK4	120	TP.0802	M2-5.0-3.1-60	T6	0.6	1.27	1
CBH52DP-140L-TP08	52	75	CK5	140	TP.0802	M2-5.0-3.1-60	T6	0.6	2.72	1
CBH68DP-175L-TP08	68	102	CK6	175	TP.0802	M2-5.0-3.1-60	T6	0.6	5.70	1
CBH68DP-175L-TP09	68	102	CK6	175	TP.0902	M2.5-6.0-3.5-60	T8	1.2	5.70	1
CBH68DP-175L-TC11	68	102	CK6	175	TC..1102	M2.5-6.0-3.5-60	T8	1.2	5.70	1
CBH100DP-225L-CK7R-TP08	100	152	CK7R	225	TP.0802	M2.5-5.0-3.1-60	T6	-	13.0	1
CBH100DP-225L-CK7R-TP09	100	152	CK7R	225	TP.0902	M2.5-6.0-3.5-60	T8	-	13.0	1
CBH100DP-225L-CK7R-TC11	100	152	CK7R	225	TC..1102	M2.5-6.0-3.5-60	T8	-	13.0	1
CBH150DP-225L-CK7R-TP08	150	202	CK7R	225	TP.0802	M2.5-5.0-3.1-60	T6	-	15.0	1
CBH150DP-225L-CK7R-TP09	150	202	CK7R	225	TP.0902	M2.5-6.0-3.5-60	T8	-	15.0	1
CBH150DP-225L-CK7R-TC11	150	202	CK7R	225	TC..1102	M2.5-6.0-3.5-60	T8	-	15.0	1
CBH200DP-285L-CK7R-TP08	200	310	CK7R	285	TP.0902	M2.5-6.0-3.5-60	T8	-	18.0	1
CBH200DP-285L-CK7R-TP09	200	310	CK7R	285	TC..1102	M2.5-6.0-3.5-60	T8	-	18.0	1
CBH200DP-285-CK7R-TC11	200	310	CK7R	285	TP.0802	M2.5-5.0-3.1-60	T8	-	18.0	1

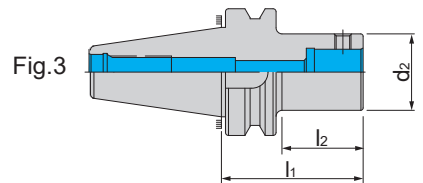
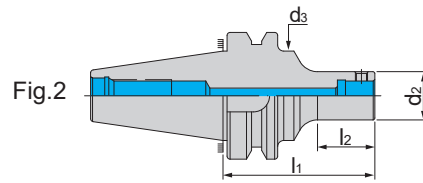
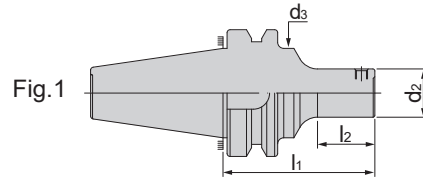
選配表 Option

刀桿 Shank	搪頭 Boring Head	
B698-B700	B727	B730

• 長度單位 Unit of Length (mm)



規格 Spec.	組合刀柄 Ck No.	L	l ₁	l ₂	D	d	d ₁	適用搪孔頭 Suitable Boring Head	重量 (KGS) Weight	Fig.
SCK2DP-2-75L	CK2	75	16	18	24	14	14	CBH25/MBH25	0.33	2
SCK3DP-3-100L	CK3	100	20	22	31	18	18	CBH32/MBH32	0.62	1
SCK4DP-4-120L	CK4	120	24	26	39	22	22	CBH40/MBH40	1.11	1
SCK5DP-5-130L	CK5	130	30	32	50	28	28	CBH52/MBH52/FBH55	2.30	1
SCK6DP-6-170L	CK6	170	40	42	64	36	36	CBH68/MBH68/FBH68	5.10	1



6 倍長 6 Times Longer

規格 Spec.	l_1	l_2	d_2	d_3	適用搪孔頭 Suitable Boring Head	Fig.	重量 (KGS) Weight
BT40 x CK2DP-150	150	110	24	39	SMB25/SCK2430-C/SCK2940-C	1	2.94
BT40 x CK3DP-200	200	160	31	50	SMB32/SCK3950-C	2	-
BT40 x CK4DP-235	235	200	39	50	SMB41/SCK4965-C	2	4.4
BT40 x CK5DP-310	310	280	50	-	SMB53/SCK6382-C	3	-
BT40 x CK6DP-295	295	270	64	-	SMB68/SCK80102-C	3	9.7
BT50 x CK2DP-160	160	110	24	39	SMB25/SCK2430-C/SCK2940-C	1	-
BT50 x CK3DP-220	220	160	31	50	SMB32/SCK3950-C	2	6.5
BT50 x CK4DP-260	260	205	39	64	SMB41/SCK4965-C	2	7.42
BT50 x CK5DP-310	310	265	50	64	SMB53/SCK6382-C	2	9.34
BT50 x CK6DP-375	375	330	64	-	SMB68/SCK80102-C	3	13.22

8 倍長 8 Times Longer

規格 Spec.	l_1	l_2	d_2	d_3	適用搪孔頭 Suitable Boring Head	Fig.	重量 (KGS) Weight
BT40 x CK2DP-200	200	160	24	39	SMB25/SCK2430-C/SCK2940-C	1	3.14
BT40 x CK3DP-260	260	220	31	50	SMB32/SCK3950-C	2	4.1
BT40 x CK4DP-315	315	280	39	50	SMB41/SCK4965-C	2	-
BT50 x CK2DP-210	210	160	24	39	SMB25/SCK2430-C/SCK2940-C	1	5.74
BT50 x CK3DP-280	280	220	31	50	SMB32/SCK3950-C	2	-
BT50 x CK4DP-340	340	285	39	64	SMB41/SCK4965-C	2	8.38
BT50 x CK5DP-400	400	355	50	64	SMB53/SCK6382-C	2	-
BT50 x CK6DP-505	505	460	64	-	SMB68/SCK80102-C	3	-

選配表 Option

搪頭 Boring Head	延長桿 Extension
B759	B760

• 長度單位 Unit of Length (mm)



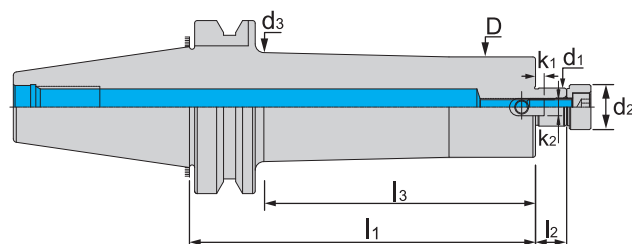
FDP 減震銑刀桿

FDP DAMPING FACE MILL ARBOR

PAT.NO : M505356
 PAT.NO : M510806
 ZL201520282217.6
 ZL201520282261.7

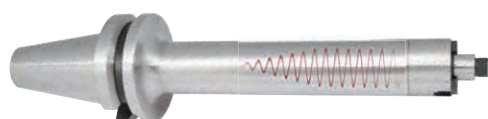


LEMMA



規格 Spec.	l_1	l_2	l_3	D	d_1	d_2	d_3	k_1	k_2	重量 (KGS) Weight
BT50 x FDP22-300BG	300	18	255	58	22	31.75	62	4.3	10	10.84
BT50 x FDP22-350BG	350	18	305	58	22	31.75	62	4.3	10	-
BT50 x FDP22-400BG	400	18	355	58	22	31.75	62	4.3	10	12.72
BT50 x FDP22-500BG	500	18	455	58	22	31.75	62	4.3	10	14.96
BT50 x FDP27-300BG	300	20	255	58	27	31.5	62	5.8	12	10.96
BT50 x FDP27-350BG	350	20	305	58	27	31.5	62	5.8	12	11.32
BT50 x FDP27-400BG	400	20	355	58	27	31.5	62	5.8	12	-
BT50 x FDP27-450BG	450	20	405	58	27	31.5	62	5.8	12	13.66
BT50 x FDP27-500BG	500	20	455	58	27	31.5	62	5.8	12	-
BT50 x FDP32-300BG	300	21	255	74	32	41	78	6.8	14	-
BT50 x FDP32-400BG	400	21	355	74	32	41	78	6.8	14	16.76
BT50 x FDP32-500BG	500	21	455	74	32	41	78	6.8	14	-
BT50 x FDP32-600BG	600	21	555	74	32	41	78	6.8	14	-
HSK63A-FDP16-200	200	16.5	169	38	16	17	38	4.3	8	2.58
HSK63A-FDP16-250	250	16.5	219	38	16	17	38	4.3	8	3.31
HSK63A-FDP22-250 BG	250	18	219	58	22	31.75	61	4.3	10	6.3
HSK63A-FDP22-300 BG	300	18	269	58	22	31.75	61	4.3	10	7.4
HSK100A-FDP22-300 BG	300	18	261	58	22	31.75	61	4.3	10	8.84
HSK100A-FDP22-350 BG	350	18	311	58	22	31.75	61	4.3	10	9.9
HSK100A-FDP22-400 BG	400	18	361	58	22	31.75	61	4.3	10	10.96
HSK100A-FDP22-450 BG	450	18	411	58	22	31.75	61	4.3	10	12.02
HSK100A-FDP22-500 BG	500	18	461	58	22	31.75	61	4.3	10	13.08
HSK100A-FDP27-300 BG	300	20	261	74	27	31.5	78	5.8	12	10.12
HSK100A-FDP27-350 BG	350	20	311	74	27	31.5	78	5.8	12	11.27
HSK100A-FDP27-400 BG	400	20	361	74	27	31.5	78	5.8	12	12.41
HSK100A-FDP27-450 BG	450	20	411	74	27	31.5	78	5.8	12	13.63
HSK100A-FDP27-500BG	500	20	461	74	27	31.5	78	5.8	12	14.71
HSK100A-FDP32-300 BG	300	21	261	74	32	41	85	6.8	14	10.28
HSK100A-FDP32-350 BG	350	21	311	74	32	41	85	6.8	14	11.46
HSK100A-FDP32-400 BG	400	21	361	74	32	41	85	6.8	14	12.58
HSK100A-FDP32-450 BG	450	21	411	74	32	41	85	6.8	14	13.73
HSK100A-FDP32-500 BG	500	21	461	74	32	41	85	6.8	14	14.88
HSK100A-FDP32-600 BG	600	21	561	74	32	41	85	6.8	14	17.18

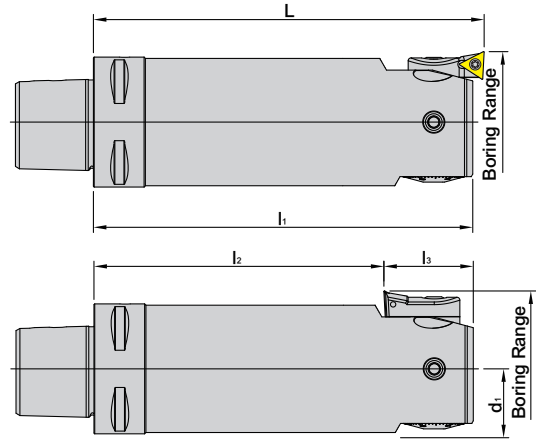
範例 Example



選配表 Option

銑刀頭 Milling Cutter						
A116	A125	A154	A141	A158	A161	A164

• 長度單位 Unit of Length (mm)



規格 Spec.	øD 搪孔範圍 Boring Range(正搪)				øD 搪孔範圍 Boring Range(背搪)					刀片座 Insert Seat	刀片 Insert	螺絲 Screw	重量 (KGS) Weight	
	Min.	Max.	L	l1	Min.	Max.	l2	l3	d1					
PSC32-PMB32DP-115	32	42	115	110	-	-	90	25	16	SIB32-1/SIC32-1	TB..0601 TP..0802	M2-5.0-2.7-60	0.82	
	41	51	115	110	46	51	90	25	16				SIB32-2/SIC32-2	0.82
	50	60	115	110	50	60	90	25	16				SIB32-3/SIC32-3	0.82
PSC40-PMB41DP-125	41	54	125	121	-	-	96	29	20	SIB41-1/SIC41-1	TP..0902 TC..1102	-	-	
	50	63	125	121	53	63	96	29	20				SIB41-2/SIC41-2	-
	61	74	125	121	61	74	96	29	20				SIB41-3/SIC41-3	-
PSC50-PMB53DP-150	53	70	150	146	62	70	116	34	25.5	SIB53-1/SIC53-1	TP..0902 TC..1102	M2.5-6.0-3.5-60	2.72	
	65	82	150	146	65	82	116	34	25.5				SIB53-2/SIC53-2	2.72
	78	95	150	146	78	95	116	34	25.5				SIB53-3/SIC53-3	2.72
PSC63-PMB68DP-190	68	100	190	186.2	80	100	114.8	45.2	32.5	SIB68-1/SIC68-1	TP..0902 TC..1102	-	5.82	
	94	126	190	186.2	94	126	114.8	45.2	32.5				SIB68-2/SIC68-2	5.82
	118	150	190	186.2	118	150	114.8	45.2	32.5				SIB68-3/SIC68-3	5.82

※ 不含 SIB/SIC 刀片座 · 刀片座需另外購買
 Not including SIB/SIC insert seat, insert seat need to purchase separately.

選配表 Option

刀桿 Shank	刀片座 Insert Seat
B698-B700	B688

• 長度單位 Unit of Length (mm)