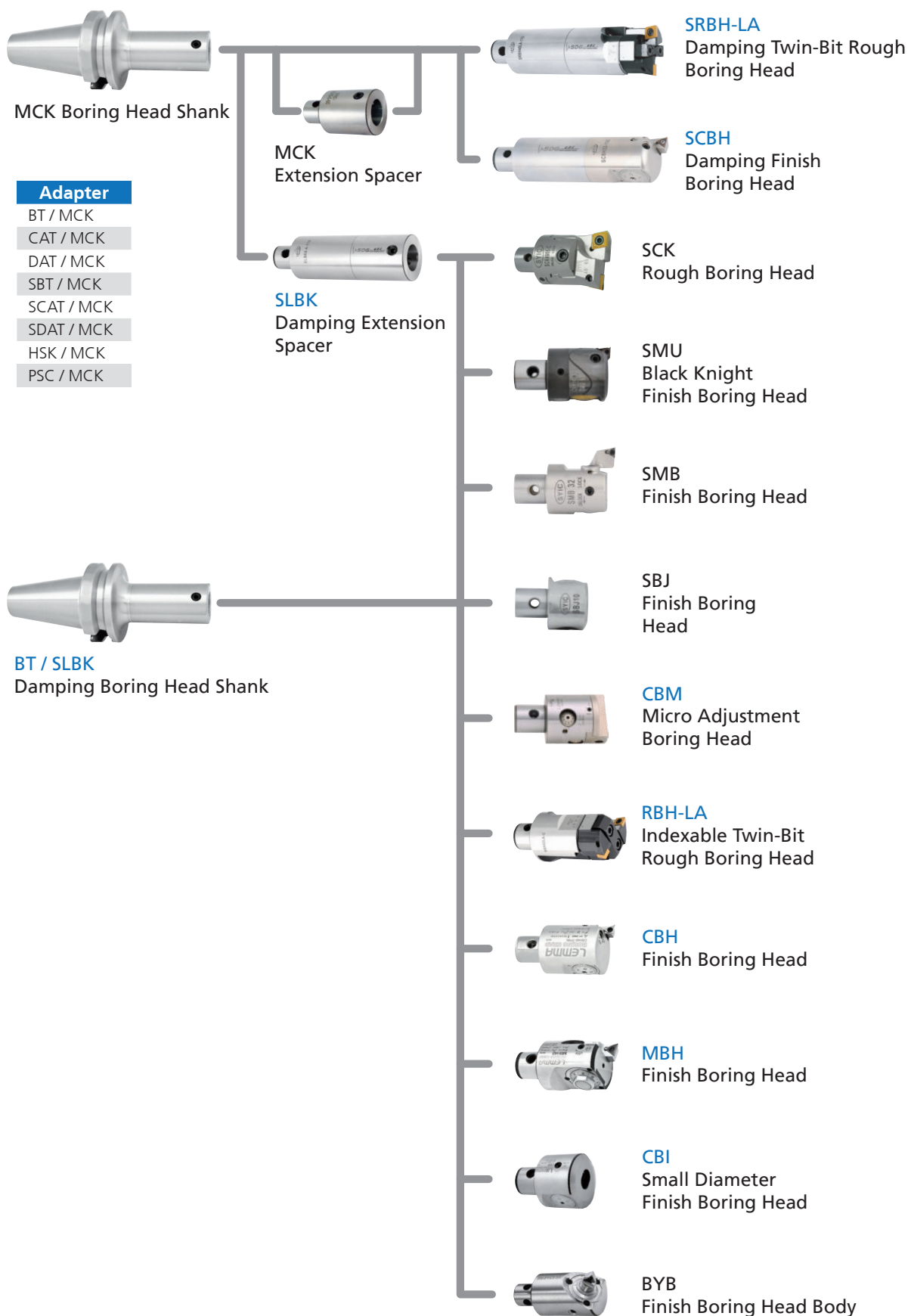


BORING CATEGORY

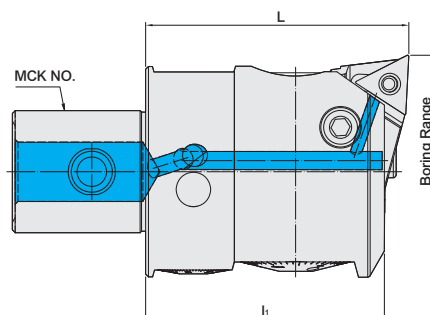
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APPLICATION DIAGRAM



SMU BLACK KNIGHT FINISH BORING HEAD

SMU 黑武士精搪頭



MODEL NO.	TYPE	MCK NO.	BORING AND PROCESSING AT FRONT			INSERT	SCREW	WRENCH	WEIGHT (KGS)
			BORING RANGE	L	I ₁				
5158-S14-032	SMU32	MCK3	32 ~ 42	40	37	TC..1102	M2.5-6.0-3.5-60	T8	0.20
5158-S14-041	SMU41	MCK4	41 ~ 54	47	43	TC..1102	M2.5-6.0-3.5-60	T8	0.40
5158-S14-053	SMU53	MCK5	53 ~ 70	57	53	TC..1102	M2.5-6.0-3.5-60	T8	0.80
5158-S14-068	SMU68	MCK6	68 ~ 100	71	67	TC..1102	M2.5-6.0-3.5-60	T8	1.65

Features:

- ▶ Micrometric adjustment on the diameters.
- ▶ Exchangeable insert seat is easy and convenient for replacement.
- ▶ Balancing adjustments can be made by users.
- ▶ Special surface structure to absorb shock and drain external water away.
- ▶ Surface treatment of matte finish for anti-glare and acid corrosion prevention.
- ▶ SMU is designed to have a coolant hole, which can remove the metal chips effectively and it's durable for coolant pressure up to 1,300 PSI.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



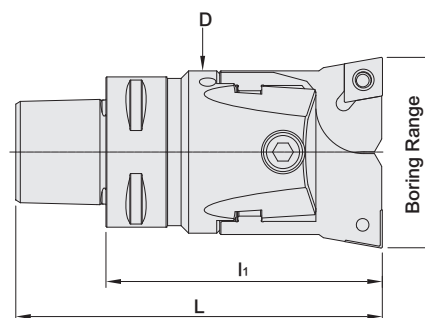
PSC / PCK ROUGH BORING HEAD

ONE-PIECE TYPE

PSC / PCK 可調整式雙刃粗搪孔頭 [一體式]



台灣精品 2015
TAIWAN EXCELLENCE



MODEL NO.	TYPE	BORING RANGE		L	L ₁	D	INSERT	SCREW	WRENCH	WEIGHT (KGS)
		MIN.	MAX.							
5140-543-039-080	PSC32 x PCK3950 - 80	39	50	99	80	32	CC..09T3	M4 - 10 - 5.7 - 60	T15	0.49
5141-543-049-082	PSC40 x PCK4965 - 82	49	65	106	82	42	CC..1204	M5 - 11 - 7.5 - 60	T20	0.49
5142-543-063-092	PSC50 x PCK6382 - 92	63	82	122	92	54	CC..1204	M5 - 11 - 7.5 - 60	T20	0.70
5143-543-080-140	PSC63 x PCK80102 - 140	80	102	178	140	68	CC..1204	M5 - 9.2 - 7.6 - 60	T20	3.60

Product information:

- ▶ With the design of PSC one piece boring head to lock with adapters, the total length is shorter than old design and the rigidity and stability are improved!
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



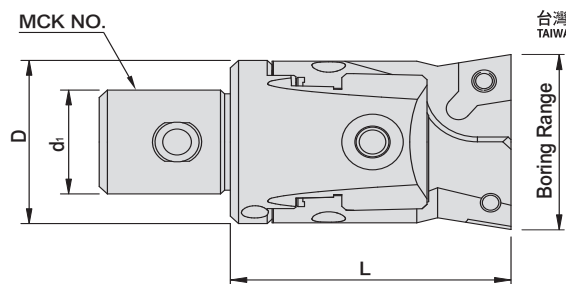
Adapter	Adapter
BT	SCAT
CAT	SDAT
DAT	HSK
SBT	PSC

ROUGHING TWIN ADJUSTMENT BORING HEAD

SCK 可調整式雙刃粗搪孔頭



台灣精品 2008
TAIWAN EXCELLENCE



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	Boring Range		d ₁	L	D	INSERT	SCREW	WRENCH	WEIGHT (KGS)
			MIN.	MAX.							
5158-687-024	SCK2430 - C	MCK2	24	30	14	34	22	CC..0602	M2.5-6.45-3.7	T8	0.19
5158-687-029	SCK2940 - C	MCK2	29	40	14	42	27	CC..09T3	M4-10-5.7-60	T15	0.19
5158-687-039	SCK3950 - C	MCK3	39	50	18	45	32	CC..09T3	M4-10-5.7-60	T15	0.19
5158-687-049	SCK4965 - C	MCK4	49	65	22	56	42	CC..1204	M5-11-7.5-60	T20	0.10
5158-687-063	SCK6382 - C	MCK5	63	82	28	66	54	CC..1204	M5-11-7.5-60	T20	0.20
5158-687-080	SCK80102 - C	MCK6	80	102	36	86	68	CC..1204	M5-9.2-7.6-60	T20	2.30
5158-687-100	SCK100125 - C	MCK7	100	125	46	100	85	CC..1204	M5-9.2-7.6-60	T20	4.00
5158-687-125	SCK125160 - C	MCK7	125	160	46	100	110	CC..1204	M5-9.2-7.6-60	T20	6.16
5158-687-160	SCK160220 - C	MCK7	160	220	46	100	145	CC..1204	M5-11-7.5-60	T20	8.10

Features:

- ▶ Both insert seats move simultaneously while setting diameters, which makes the adjustment precise and save time.
- ▶ High rigidity results from a perfect contact between the insert seats and the boring head body. Suitable for big table feed (F) cutting, heavy-duty and interrupted boring.
- ▶ The small difference of heights between two insert seats decreases the vibration caused by cutting impedance while touching a workpiece.
- ▶ Modular MCK system and exchangeable with CK system on the market.
- ▶ The coating surface treatment improves chips adhesion, increases heat resistance and extends using life.

Product information:

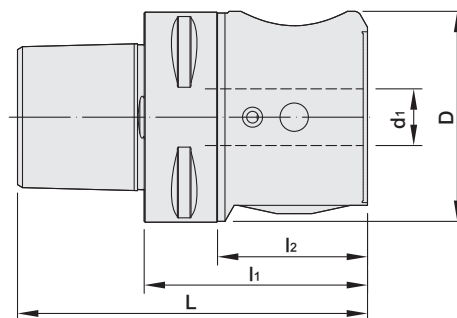
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



PSC / PBJ FINISH BORING HEAD

ONE-PIECE TYPE

PSC / PBJ 高精密搪孔頭 [一體式]



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
5141-542-010-049	PSC40 x PBJ10 - 48.5	72.5	48.5	28.5	39	10	0.49
5142-542-010-056	PSC50 x PBJ12 - 56	86	56	36	50	12	0.91
5143-542-016-067	PSC63 x PBJ16 - 67	105	67	45	63.5	16	1.76



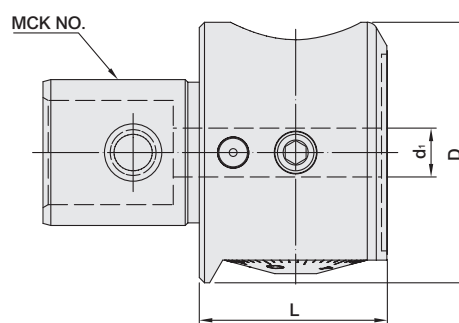
Adapter	Adapter
BT	SCAT
CAT	SDAT
DAT	HSK
SBT	PSC

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

SBJ BORING HEAD FOR FINISHING

SBJ 高精密搪孔頭



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	BORING RANGE	L	D	d ₁	WEIGHT (KGS)
5158-647-010	SBJ10	MCK4	8 - 21	28.5	39	10	0.25
5158-647-012	SBJ12	MCK5	8 - 26	36	50	12	0.50
5158-647-016	SBJ16	MCK6	8 - 50	45	63.5	16	1.00

Features:

- ▶ One division for adjustment is 10μm on diameter.
- ▶ Modular MCK system and exchangeable with CK system on the market.
- ▶ Used with SBJ boring cutters or SBE extended boring insert seat for larger diameters.

Product information:

- ▶ Can choose the shank for boring head fit for the machine spindle.
- ▶ Boring head only, not including shank and cutter.

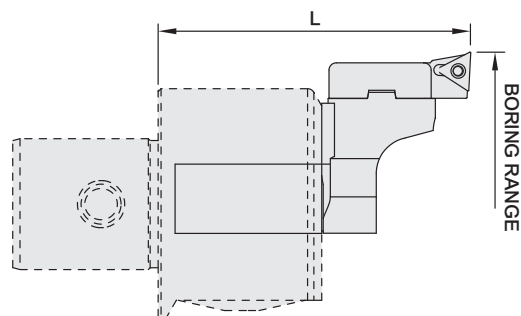


SBE EXTENDED BORING INSERT SEAT

SBE 延伸搪孔刀座



台灣精品 2013
TAIWAN EXCELLENCE



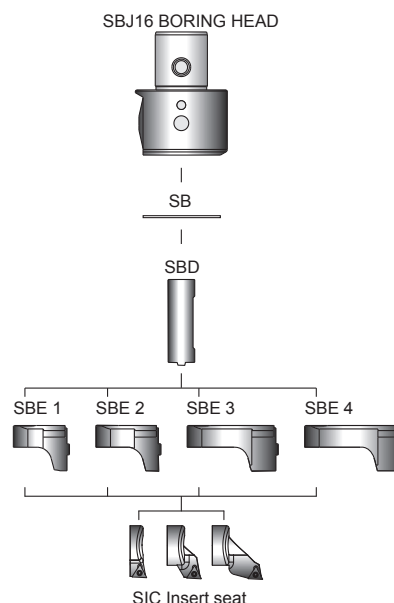
MODEL NO.	TYPE	SBJ NO.	INSERT SEAT	INSERT	BORING AND PROCESSING AT FRONT		WEIGHT (KGS)
					BORING RANGE	L	
5158-684-000	SBE - 0	SBJ16	SIC53 - 1	TP09 / TC11	48 - 60	127	0.16
				TP09 / TC11	60 - 72	127	0.16
				TP09 / TC11	72 - 85	127	0.16
5158-684-001	SBE - 1	SBJ16	SIC68 - 1	TP09 / TC11	84 - 96	85.5	0.18
5158-684-002	SBE - 2	SBJ16	SIC68 - 2	TP09 / TC11	95 - 107	85.5	0.18
				TP09 / TC11	120 - 132	86	0.18
				TP09 / TC11	145 - 157	85.5	0.18
5158-684-003	SBE - 3	SBJ16	SIC68 - 3	TP09 / TC11	130 - 142	85.5	0.20
				TP09 / TC11	156 ~ 168	86	0.20
				TP09 / TC11	180 ~ 192	85.5	0.20
5158-684-004	SBE - 4	SBJ16	SIC68 - 1	TP09 / TC11	142 ~ 154	85.5	0.24
				TP09 / TC11	168 ~ 180	86	0.24
				TP09 / TC11	192 ~ 202	85.5	0.24

ACCESSORIES

INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8
TC..1102	M2.5-6.0-3.5-60	T8

TYPES FOR INSERT SEAT:

INSERT	DRAWING	INSERT	DRAWING
SIC53 -1		SIC53 -1E	
SIC68 - 1		SIC68 - 1E	
SIC68 - 2		SIC68 - 2E	
SIC68 - 3		SIC68 - 3E	



Features:

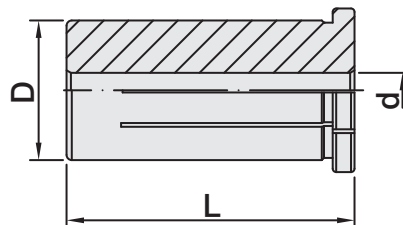
- ▶ Depending on the range of work piece's diameter, using SBE Extended Boring Insert Seat to enlarge the range of processing and can solve the difficulty of processing different work piece's diameter.
- ▶ To enlarge the range of processing it is easy to operate by only exchanging the insert seat.
- ▶ According to different processing material, operators choose suitable inserts which can increase precision, stability, and have excellent metal chips removal capability.
- ▶ Suitable for SBJ-16 (5158-647-016).

Product information:

- ▶ Tool holders, SBJ Boring head for finishing, and Inserts need to be purchased additionally.

SLEEVE FOR TUNGSTEN STEEL TOOL HOLDER

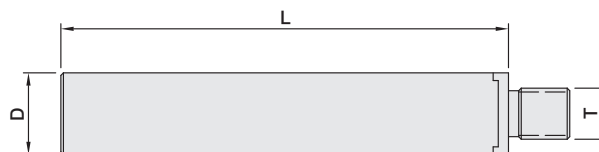
鎢鋼刀柄專用套筒



MODEL NO.	TYPE	L	D	d	WEIGHT (KGS)
5191-S19-1004	SBJ - 10 - 4K	25	10	4	0.01
5191-S19-1006	SBJ - 10 - 6K	25	10	6	0.01
5191-S19-1008	SBJ - 10 - 8K	25	10	8	0.01
5191-S19-1204	SBJ - 12 - 4K	30	12	4	0.01
5191-S19-1206	SBJ - 12 - 6K	30	12	6	0.01
5191-S19-1208	SBJ - 12 - 8K	30	12	8	0.01
5191-S19-1210	SBJ - 12 - 10K	30	12	10	0.01
5191-S19-1608	SBJ - 16 - 8K	37	16	8	0.08
5191-S19-1610	SBJ - 16 - 10K	37	16	10	0.04
5191-S19-1612	SBJ - 16 - 12K	37	16	12	0.02
5191-S19-1614	SBJ - 16 - 14K	37	16	14	0.01

ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER

抗震鎢鋼刀柄



MODEL NO.	TYPE	D	L	T	SUITABLE BORING HEAD	BORING CAPACITY	WEIGHT (KGS)
405-005-008-000	ST08 - W5 - 100L	8	100	M5	SEB09N	9mm ~ 13mm	0.08
405-005-010-000	ST10 - W6 - 110L	10	110	M6	SEB12N	12mm ~ 15mm	0.12
405-005-012-000	ST12 - W6 - 120L	12	120	M6	SEB14N	14mm ~ 17mm	0.21
405-005-014-000	ST14 - W6 - 160L	14	160	M6	SEB16N	16mm ~ 20mm	0.34
405-005-016-000	ST16 - W10 - 160L	16	160	M10	SEB18N ~ SEB40N	18mm ~ 42mm	0.45

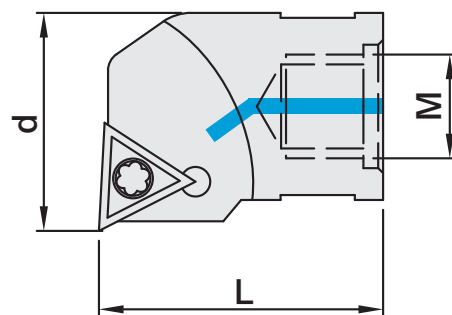
Features:

- ▶ Boring hole in depth can't exceed 6 times of hole diameter.



THROW - AWAY BORING HEAD

捨棄式搪頭



MODEL NO.	TYPE	BORING CAPACITY	d	L	M	INSERTS	SCREW	WRENCH	WEIGHT (KGS)
405-002-09N-001	SEB09N - TP08	9 - 10.5	9	18	M5	TP..0802	M2-5.0-2.7-60	T6	0.02
405-002-10.5N-000	SEB10.5N - TP08	10.5 - 12	10.5	18	M5	TP..0802	M2-5.0-2.7-60	T6	0.02
405-002-12N-001	SEB12N - TP08	12 - 14	12	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.02
405-002-14N-001	SEB14N - TP08	14 - 16	14	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.02
405-002-16N-001	SEB16N - TP08	16 - 18	16	23	M6	TP..0802	M2-5.0-2.7-60	T6	0.03
405-002-18N-001	SEB18N - TP08	18 - 20	18	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.03
405-002-20N-001	SEB20N - TP08	20 - 22	20	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-22N-001	SEB22N - TP08	22 - 24	22	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-24N-001	SEB24N - TP08	24 - 26	24	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-26N-001	SEB26N - TP08	26 - 28	26	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-28N-001	SEB28N - TP08	28 - 30	28	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-30N-001	SEB30N - TP08	30 - 32	30	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-32N-001	SEB32N - TP08	32 - 34	32	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-34N-001	SEB34N - TP08	34 - 36	34	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-36N-001	SEB36N - TP08	36 - 38	36	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.04
405-002-38N-001	SEB38N - TP08	38 - 40	38	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-40N-001	SEB40N - TP08	40 - 42	40	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-42N-001	SEB42N - TP08	42 - 44	42	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-44N-001	SEB44N - TP08	44 - 46	44	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-46N-001	SEB46N - TP08	46 - 48	46	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-48N-001	SEB48N - TP08	48 - 50	48	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-50N-001	SEB50N - TP08	50 - 52	50	27	M10	TP..0802	M2-5.0-2.7-60	T6	0.05
405-002-09N-000	SEB09N - 06 - TB06	9 - 10.5	9	18	M5	TB..0601	M2-5.0-2.7-60	T6	0.02
405-002-12N-000	SEB12N - 06 - TB06	12 - 14	12	23	M6	TB..0601	M2-5.0-2.7-60	T6	0.02
405-002-14N-000	SEB14N - 09 - TP09	14 - 16	14	23	M6	TP..0902	M2.5-6.0-3.5-60	T8	0.02
405-002-16N-000	SEB16N - 09 - TP09	16 - 18	16	23	M6	TP..0902	M2.5-6.0-3.5-60	T8	0.03
405-002-18N-000	SEB18N - 09 - TP09	18 - 20	18	27	M10	TP..0902	M2.5-6.0-3.5-60	T8	0.03
405-002-20N-000	SEB20N - 09 - TP09	20 - 22	20	27	M10	TP..0902	M2.5-6.0-3.5-60	T8	0.04
405-002-22N-000	SEB22N - 11 - TP11	22 - 24	22	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-24N-000	SEB24N - 11 - TP11	24 - 26	24	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-26N-000	SEB26N - 11 - TP11	26 - 28	26	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-28N-000	SEB28N - 11 - TP11	28 - 30	28	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-30N-000	SEB30N - 11 - TP11	30 - 32	30	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-32N-000	SEB32N - 11 - TP11	32 - 34	32	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-34N-000	SEB34N - 11 - TP11	34 - 36	34	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.05
405-002-36N-000	SEB36N - 11 - TP11	36 - 38	36	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04
405-002-38N-000	SEB38N - 11 - TP11	38 - 40	38	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.05
405-002-40N-000	SEB40N - 11 - TP11	40 - 42	40	27	M10	TP..1103	M3-8.0-4.0-43	T8	0.04

Product information:

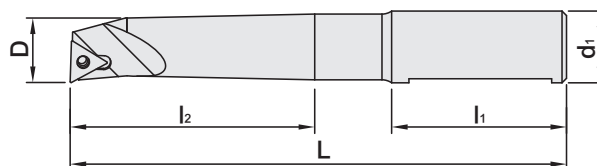
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



BORING CUTTER

INTERCHANGEABLE

替換式 搪孔刀



MODEL NO.	TYPE	BORING CAPACITY	D	d ₁	L	l ₁	l ₂	INSERTS	WEIGHT (KGS)
5158-S19-1008-024	SBJ - 1008 - 24	8 - 11	8	10	58	25	24	TB..0601	0.02
5158-S19-1010-030	SBJ - 1010 - 30	10 - 13	10	10	64	25	30	TB..0601	0.04
5158-S19-1012-036	SBJ - 1012 - 36	12 - 17	12	10	70	25	36	TP..0902	0.04
5158-S19-1016-048	SBJ - 1016 - 48	16 - 21	16	10	78	25	48	TP..0902	0.08
5366-158-S19-010-000	SBJ - 10 4PCS / SET INCLUDE BOX								
5158-S19-1208-028	SBJ - 1208 - 28	8 - 11	8	12	67	30	28	TB..0601	0.04
5158-S19-1210-035	SBJ - 1210 - 35	10 - 13	10	12	74	30	35	TB..0601	0.04
5158-S19-1212-042	SBJ - 1212 - 42	12 - 17	12	12	81	30	42	TP..0902	0.06
5158-S19-1216-056	SBJ - 1216 - 56	16 - 21	16	12	95	30	56	TP..0902	0.08
5158-S19-1220-070	SBJ - 1220 - 70	20 - 26	20	12	105	30	70	TP..1103	0.12
5366-158-S19-012-000	SBJ - 12 5PCS / SET INCLUDE BOX								
5158-S19-1608-032	SBJ - 1608 - 32	8 - 11	8	16	64	32	32	TB..0601	0.06
5158-S19-1610-040	SBJ - 1610 - 40	10 - 13	10	16	72	32	40	TB..0601	0.07
5158-S19-1612-053	SBJ - 1612 - 53	12 - 17	12	16	85	32	53	TP..0902	0.08
5158-S19-1616-068	SBJ - 1616 - 68	16 - 21	16	16	100	32	68	TP..0902	0.12
5158-S19-1620-083	SBJ - 1620 - 83	20 - 26	20	16	115	32	83	TP..1103	0.16
5158-S19-1625-090	SBJ - 1625 - 90	25 - 32	25	16	122	32	90	TP..1103	0.25
5158-S19-1630-090	SBJ - 1630 - 90	30 - 42	30	16	122	32	90	TP..1103	0.30
5158-S19-1640-090	SBJ - 1640 - 90	40 - 50	40	16	122	32	90	TP..1103	0.40
5366-158-S19-016-000	SBJ - 16 8PCS / SET INCLUDE BOX								
5158-S19-2008-032	SBJ - 2008 - 32	8 - 11	8	20	64	32	32	TB..0601	0.09
5158-S19-2010-040	SBJ - 2010 - 40	10 - 13	10	20	72	32	40	TB..0601	0.11
5158-S19-2012-053	SBJ - 2012 - 53	12 - 17	12	20	85	32	53	TP..0902	0.11
5158-S19-2016-068	SBJ - 2016 - 68	16 - 21	16	20	100	32	68	TP..0902	0.15
5158-S19-2020-083	SBJ - 2020 - 83	20 - 26	20	20	115	32	83	TP..1103	0.20
5158-S19-2025-096	SBJ - 2025 - 96	25 - 135	25	20	128	32	96	TP..1103	0.30
5158-S19-2030-115	SBJ - 2030 - 115	30 - 140	30	20	147	32	115	TP..1103	0.50
5158-S19-20-20	SBJ - 20 - 20L	280	40	20	97	-	-	TP..1103	0.25
5366-158-S19-020-000	SBJ - 20 8PCS / SET INCLUDE BOX								

ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TB..0601	M2-5.0-2.7-60	T6	TP..1103	M3-8.0-4.0-43	T8
TP..0902	M2.5-6.0-3.5-60	T8			

Product information:

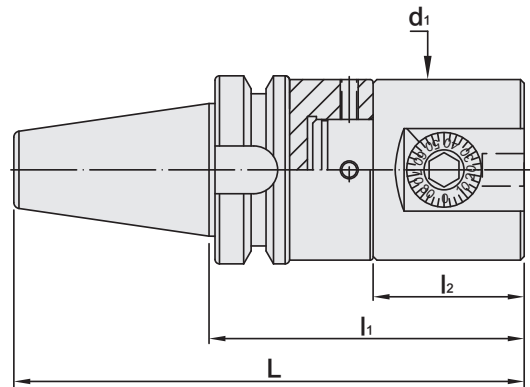
- Inserts are optional accessories. Needs to be purchased additionally.



BORING HEAD SHANK SET

PRECISION

高精密搪孔組



MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
5010-S19-010-089	BT30 x SBJ10 - 88.5	8 ~ 21	136.9	88.5	28.5	39	1.25
5010-S19-012-106	BT30 x SBJ12 - 106	8 ~ 26	154.4	106	36	50	1.60
5010-S19-016-105	BT30 x SBJ16 - 105	8 ~ 50	153.4	105	45	63.5	2.70
5011-S19-010-099	BT40 x SBJ10 - 98.5	8 ~ 21	163.9	98.5	28.5	39	1.70
5011-S19-012-096	BT40 x SBJ12 - 96	8 ~ 26	161.4	96	36	50	2.30
5011-S19-016-100	BT40 x SBJ16 - 100	8 ~ 50	165.4	100	45	63.5	2.24
5012-S19-010-129	BT50 x SBJ10 - 128.5	8 ~ 21	229.8	128.5	28.5	39	5.05
5012-S19-012-096	BT50 x SBJ12 - 96	8 ~ 26	197.8	96	36	50	5.90
5012-S19-016-130	BT50 x SBJ16 - 130	8 ~ 50	231.8	130	45	63.5	5.30
5050-S19-010-079	DAT30 x SBJ10 - 78.5	8 ~ 21	126.3	78.5	28.5	39	1.55
5051-S19-010-109	DAT40 x SBJ10 - 108.5	8 ~ 21	176.9	108.5	28.5	39	1.55
5051-S19-012-131	DAT40 x SBJ12 - 131	8 ~ 26	199.4	131	36	50	1.90
5051-S19-016-110	DAT40 x SBJ16 - 110	8 ~ 50	178.4	110	45	63.5	2.80
5052-S19-010-139	DAT50 x SBJ10 - 138.5	8 ~ 21	240.25	138.5	28.5	39	3.65
5052-S19-012-101	DAT50 x SBJ12 - 101	8 ~ 26	202.75	101	36	50	4.00
5052-S19-016-095	DAT50 x SBJ16 - 95	8 ~ 50	196.75	95	45	63.5	5.30
5272-S19-03216-073	C32 x SBJ16 - 73	8 ~ 50	153	73	45	63.5	2.4
5272-S19-04216-073	C42 x SBJ16 - 73	8 ~ 50	153	73	45	63.5	2.9
5120-S19-161/5-105	NT30 x SBJ16 - 105	8 ~ 50	173.4	105	45	63.5	2.3
5121-S19-161/5-100	NT40 x SBJ16 - 100	8 ~ 50	193.4	100	45	63.5	2.5
5122-S19-161/5-130	NT50 x SBJ16 - 130	8 ~ 50	256.8	130	45	63.5	5.0

Features:

- ▶ One division for adjustment is 10μm on diameter.
- ▶ Modular MCK system and exchangeable with CK system on the market.
- ▶ Used with SBJ boring cutters or SBE extended boring insert seat for larger diameters.

Product information:

- ▶ Including shank and boring head, but without boring cutters.
- ▶ Can order lengthened Boring Head Shank by request.
- ▶ The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- ▶ The balancing grade and revolution can be done according to customer's request but the additional charge is needed.
- ▶ Cardboard box packing.



PRECISION BORING HEAD

FULL SET

BT / SBJ 高精密 套裝搪孔頭



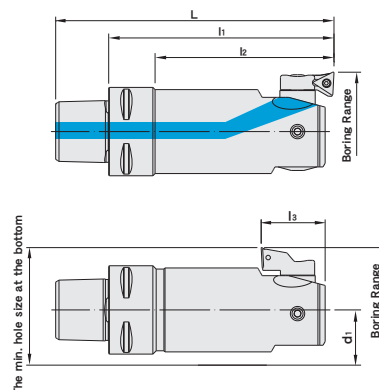
MODEL NO.	TYPE	BORING CAPACITY	BOING CUTTER W/O INSERTS	WRENCH
5366-010-S19-010	BT30 x SBJ10	8 ~ 21	SBJ-1008-24 / SBJ-1010-30 SBJ-1012-36 / SBJ-1016-48	2
5366-011-S19-010	BT40 x SBJ10	8 ~ 21		2
5366-012-S19-010	BT50 x SBJ10	8 ~ 21		2
5366-010-S19-012	BT30 x SBJ12	8 ~ 26	SBJ-1208-28 / SBJ-1210-35 SBJ-1212-42 / SBJ-1216-56 SBJ-1220-70	2
5366-011-S19-012	BT40 x SBJ12	8 ~ 26		2
5366-012-S19-012	BT50 x SBJ12	8 ~ 26		2
5366-010-S19-016	BT30 x SBJ16	8 ~ 50	SBJ-1608-32 / SBJ-1610-40 SBJ-1612-53 / SBJ-1616-68 SBJ-1620-83 / SBJ-1625-90 SBJ-1630-90 / SBJ-1640-90	2
5366-011-S19-016	BT40 x SBJ16	8 ~ 50		2
5366-012-S19-016	BT50 x SBJ16	8 ~ 50		2



PSC / PMB FINISH BORING HEAD

ONE-PIECE TYPE

PSC / PMB 超微米精搪頭 [一體式]



MODEL NO.	TYPE	INSERT SEAT	INSERT	INSERT SCREW	BORING AND PROCESSING AT FRONT					
					BORING RANGE	L	l ₁	l ₂	l ₃	d ₁
5140-544-032-085	PSC32 x PMB32 - 85	SIC32 - 1	TB..06 TP..08	M2-5.0-2.7-60	32 ~ 42	104	85	55	25	16
5140-544-032-085	PSC32 x PMB32 - 85	SIC32 - 2	TB..06 TP..08	M2-5.0-2.7-60	41 ~ 51	104	85	55	25	16
5140-544-032-085	PSC32 x PMB32 - 85	SIC32 - 3	TB..06 TP..08	M2-5.0-2.7-60	50 ~ 60	104	85	55	25	16
5141-544-041-102	PSC40 x PMB41 - 102	SIC41 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	41 ~ 54	126	102	70	29	20
5141-544-041-102	PSC40 x PMB41 - 102	SIC41 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	50 ~ 63	126	102	70	29	20
5141-544-041-102	PSC40 x PMB41 - 102	SIC41 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	61 ~ 74	126	102	70	29	20
5142-544-053-112	PSC50 x PMB53 - 112	SIC53 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	53 ~ 70	142	112	74	34	25.5
5142-544-053-112	PSC50 x PMB53 - 112	SIC53 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	65 ~ 82	142	112	74	34	25.5
5142-544-053-112	PSC50 x PMB53 - 112	SIC53 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	78 ~ 95	142	112	74	34	25.5
5143-544-068-140	PSC63 x PMB68 - 140	SIC68 - 1	TP..09 TC..11	M2.5-6.0-3.5-60	68 ~ 100	178	140	90.8	45.2	32.5
5143-544-068-140	PSC63 x PMB68 - 140	SIC68 - 2	TP..09 TC..11	M2.5-6.0-3.5-60	94 ~ 126	178	140	90.8	45.2	32.5
5143-544-068-140	PSC63 x PMB68 - 140	SIC68 - 3	TP..09 TC..11	M2.5-6.0-3.5-60	118 ~ 150	178	140	90.8	45.2	32.5

TYPES FOR INSERT SEAT:

SUITABLE FINISH BORING HEAD	TYPE	DRAWING	TYPE	DRAWING
PMB32	SIC32 - 1		SIC32 - 1E	
	SIC32 - 2		SIC32 - 2E	
	SIC32 - 3		SIC32 - 3E	
PMB41	SIC41 - 1		SIC41 - 1E	
	SIC41 - 2		SIC41 - 2E	
	SIC41 - 3		SIC41 - 3E	
PMB53	SIC53 - 1		SIC53 - 1E	
	SIC53 - 2		SIC53 - 2E	
	SIC53 - 3		SIC53 - 3E	
PMB68	SIC68 - 1		SIC68 - 1E	
	SIC68 - 2		SIC68 - 2E	
	SIC68 - 3		SIC68 - 3E	



Adapter	Adapter
BT	SCAT
CAT	SDAT
DAT	HSK
SBT	PSC

Product information:

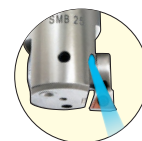
- ▶ With the design of PSC one piece boring head to lock with adapters, the total length is shorter than old design and the rigidity and stability are improved!
- ▶ The body of PMB Finish Boring Head is always designed to have coolant outlet.
- ▶ There are 3 types of insert seats and the boring range can be enlarged by exchanging another insert seat.
- ▶ SIC_-1 insert seat is a standard accessory. SIC_-2 and SIC_-3 insert seats are optional accessories and need to be purchased additionally.
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



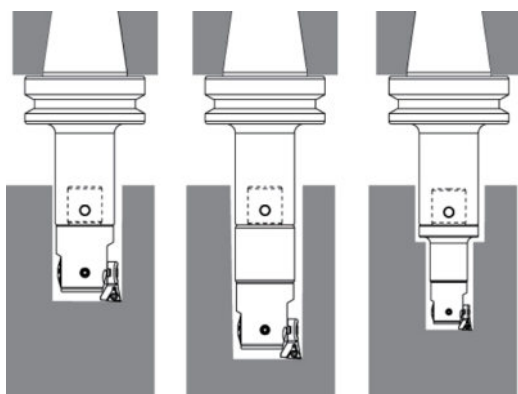
SUPER MICRON EXCHANGEABLE FINISH BORING HEAD



- ▶ For finish boring, boring range is $\varnothing 20 \sim \varnothing 203$.
- ▶ Micro-adjustment unit: each unit is 0.01mm.
- ▶ The insert seat is designed to have a coolant hole at the side, which can extend the use life of inserts, remove the metal chips effectively and is good for heat dissipation.
- ▶ The insert seat has an exchangeable design and the boring range can be enlarged. It can remove the metal chips effectively and avoid interference in the boring process.
- ▶ Suitable for combining with SCK tool holder series and can be used with SCK extension spacer (The Same Diameter/Different Diameter).
- ▶ Adjustable screw with almost no thread clearance to enhance adjusting accuracy. The pre-balance of boring head can apply to boring at high speed.
- ▶ SIC insert seat is designed to have less clearance to connect with boring head, having better rigidity, precision and dust-proof function.

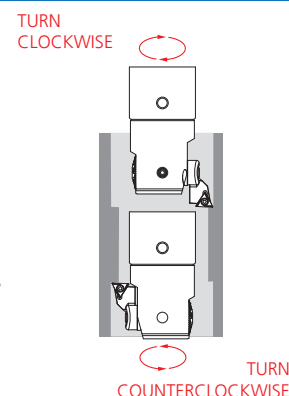


For finish boring, boring range is $20 \varnothing \sim \varnothing 203$.
The design is user-friendly, easy to operate and has multi-functional applications.



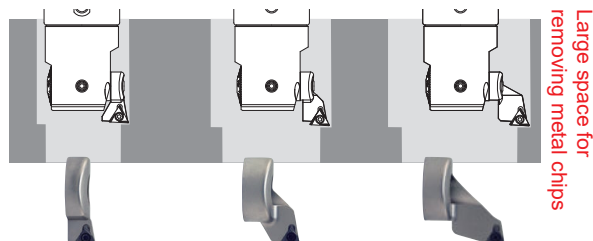
Meet required coaxiality
Back boring by reversing the standard insert seat

In general, users need to reverse the work piece when processing the workpiece by back boring. It not only wastes time but is hard to ensure the coaxiality of the front hole and back hole.
For SMB Finish Boring Head, users just need to reverse the insert seat and can process by back boring. It not only ensures rigidity but also enhances production efficiency.
※ Insert seat SIC-1 can not be used for back boring.



Only need to change insert seat.
Enlarging boring range and improving removal of metal chips.

- ▶ New SIC insert seat is designed to have less clearance to connect with boring head, having better rigidity close to the best rigidity of one piece and extending the use life of inserts.
- ▶ There are 3 types of insert seats for exchanging and boring range can be enlarged.
- ▶ Insert seat SIC-2 and Insert seat SIC-3 can be exchanged to enlarge boring ranges, having larger space for removing metal chips and processing by back boring.

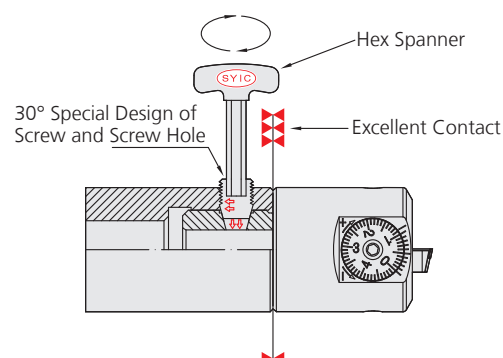


Insert seat SIC-1 Insert seat SIC-2 Insert seat SIC-3

Combination of boring head and SCK tool holder

The combination is easy to operate and has good accuracy and stability just by using a hex wrench to tighten the screw.

Special design on rake 30° for the fixed screw, which makes finish boring head tend to the direction of spindle when the fixed screw is tightened, provides perfect face contact for combining face of finish boring head and SCK tool holder.



Applicable for high speed boring.
(With pre-balanced design)

The influence of centrifugal force and balance of boring head are considered in our design. Max. boring speed is up to 1000m/min.

No clearance design
Better rigidity, precision and dust-proof function.

SIC insert seat is designed to have almost no clearance to connect with boring head, having better rigidity, precision and dust-proof function.

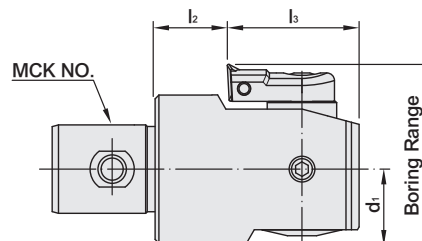
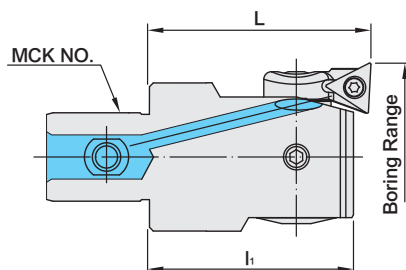


SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

SMB 超微米精搪頭



台灣精品 2009
TAIWAN EXCELLENCE



MODEL NO.	TYPE	MCK NO.	BORING AND PROCESSING AT FRONT			BORING AND PROCESSING AT BACK			WEIGHT (KGS)
			BORING RANGE	L	l ₁	BORING RANGE	l ₂	l ₃	
5158-657-020	SMB20	MCK1	20 ~ 26	32.5	30	-	10.5	19.5	0.07
			25 ~ 31	32.5	30	30 ~ 31	10.5	19.5	0.07
			30 ~ 36	32.5	30	30 ~ 36	10.5	19.5	0.07
5158-657-025	SMB25	MCK2	25 ~ 33	35.5	32.5	-	11.5	21	0.12
			32 ~ 40	35.5	32.5	36 ~ 40	11.5	21	0.12
			39 ~ 47	35.5	32.5	39 ~ 47	11.5	21	0.12
5158-657-032	SMB32	MCK3	32 ~ 42	40	35	-	10	25	0.21
			41 ~ 51	40	35	46 ~ 51	10	25	0.21
			50 ~ 60	40	35	50 ~ 60	10	25	0.21
5158-657-041	SMB41	MCK4	41 ~ 54	47	43	-	14	29	0.40
			50 ~ 63	47	43	53 ~ 63	14	29	0.40
			61 ~ 74	47	43	61 ~ 74	14	29	0.40
5158-657-053	SMB53	MCK5	53 ~ 70	57	53	62 ~ 70	19	34	1.10
			65 ~ 82	57	53	65 ~ 82	19	34	1.10
			78 ~ 95	57	53	78 ~ 95	19	34	1.10
5158-657-068	SMB68	MCK6	68 ~ 100	71	67.2	80 ~ 100	22	45.2	1.74
			94 ~ 126	71	67.2	94 ~ 126	22	45.2	1.74
			118 ~ 150	71	67.2	118 ~ 150	22	45.2	1.74
5158-657-100	SMB100	MCK6	100 ~ 153	71	67.2	112 ~ 153	22	45.2	2.46
			126 ~ 179	71	67.2	126 ~ 179	22	45.2	2.46
			150 ~ 203	71	67.2	150 ~ 203	22	45.2	2.46

TYPES FOR INSERT SEAT:

TYPE	DRAWING	SUITABLE FINISH BORING HEAD	INSERT	TYPE	DRAWING	SUITABLE FINISH BORING HEAD	INSERT
SIC20 - 1		SMB20	TB06 / TP08	SIC20 - 1E		SMB20	TB06 / TP08
SIC20 - 2				SIC20 - 2E			
SIC20 - 3				SIC20 - 3E			
SIC25 - 1		SMB25	TB06 / TP08	SIC25 - 1E		SMB25	TB06 / TP08
SIC25 - 2				SIC25 - 2E			
SIC25 - 3				SIC25 - 3E			
SIC32 - 1		SMB32	TB06 / TP08	SIC32 - 1E		SMB32	TB06 / TP08
SIC32 - 2				SIC32 - 2E			
SIC32 - 3				SIC32 - 3E			
SIC41 - 1		SMB41	TP09 / TC11	SIC41 - 1E		SMB41	TP09 / TC11
SIC41 - 2				SIC41 - 2E			
SIC41 - 3				SIC41 - 3E			
SIC53 - 1		SMB53	TP09 / TC11	SIC53 - 1E		SMB53	TP09 / TC11
SIC53 - 2				SIC53 - 2E			
SIC53 - 3				SIC53 - 3E			
SIC68 - 1		SMB68 / SMB100	TP09 / TC11	SIC68 - 1E		SMB68 / SMB100	TP09 / TC11
SIC68 - 2				SIC68 - 2E			
SIC68 - 3				SIC68 - 3E			

For example: there are different boring ranges for different insert seats of SMB25.

► SYIC_-1 insert seat is a standard accessory.

SYIC_-2 and SYIC_-3 insert seats are optional accessories and need to be purchased additionally.

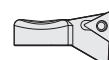
Product information:

► Inserts are optional accessories. Needs to be purchased additionally.

STANDARD INSERT SEAT

SIC25 - 1

Ø25 ~ Ø33



OPTIONAL INSERT SEAT

SIC25 - 2

Ø32 ~ Ø40



SIC25 - 3

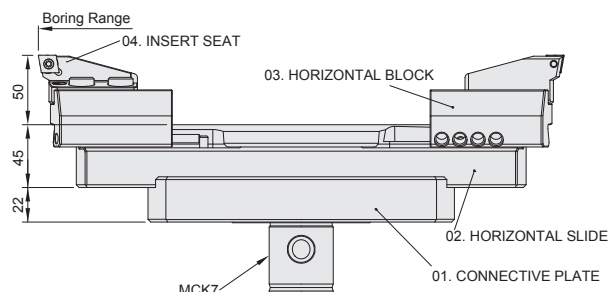
Ø39 ~ Ø47



SRW ROUGHING BORING HEAD

150mm
~
830mm

SRW 大孔徑粗搪頭〔150mm 以上系列〕



MODEL NO.	TYPE	BORING RANGE		01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. HORIZONTAL BLOCK	04. INSERT SEAT	WEIGHT (KGS)
		MIN.	MAX.					
5158-S18-150	SRW 150A	150	200	SFL135	SSL150 - 200	SCB150 - 200	SRW150A	7.24
5158-S18-200	SRW 200A	200	270	SFL135	SSL200 - 270	SCB200 - 550	SRW150A	8.85
5158-S18-270	SRW 270A	270	340	SFL135	SSL270 - 340	SCB200 - 550	SRW150A	10.3
5158-S18-340	SRW 340A	340	410	SFL135	SSL340 - 410	SCB200 - 550	SRW150A	11.8
5158-S18-410	SRW 410A	410	480	SFL135	SSL410 - 480	SCB200 - 550	SRW150A	13.2
5158-S18-480	SRW 480A	480	550	SFL135	SSL480 - 550	SCB200 - 550	SRW150A	14.7
5158-S18-550	SRW 550A	550	620	SFL220	SSL550 - 620	SCB200 - 550	SRW150A	18.6
5158-S18-620	SRW 620A	620	690	SFL220	SSL620 - 690	SCB200 - 550	SRW150A	20.1
5158-S18-690	SRW 690A	690	760	SFL220	SSL690 - 760	SCB200 - 550	SRW150A	21.5
5158-S18-760	SRW 760A	760	830	SFL220	SSL760 - 830	SCB200 - 550	SRW150A	22.9

ACCESSORIES

INSERT	SCREW	WRENCH
CC..1204	M5-11-7.5-60	T20

Features:

- ▶ Boring range: Ø150 ~ Ø830mm
- ▶ Spare parts can be purchased separately.
- ▶ Connection part: MCK7 type.

Product information:

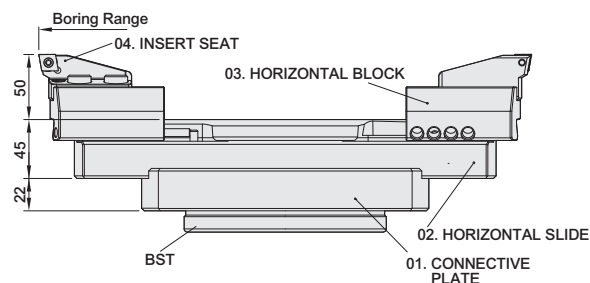
- ▶ Inserts are optional accessories. Needs to be purchased additionally.



SRW ROUGHING BORING HEAD

150mm
+
830mm

SRW 大孔徑粗搪頭 (150mm 以上系列)



MODEL NO.	TYPE	BORING RANGE		01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. HORIZONTAL BLOCK	04. INSERT SEAT	WEIGHT (KGS)
		MIN.	MAX.					
5158-S20-150	SRW 150A - BST	150	200	BST135	SSL150 - 200	SCB150 - 200	SRW150A	7.24
5158-S20-200	SRW 200A - BST	200	270	BST135	SSL200 - 270	SCB200 - 550	SRW150A	8.85
5158-S20-270	SRW 270A - BST	270	340	BST135	SSL270 - 340	SCB200 - 550	SRW150A	10.3
5158-S20-340	SRW 340A - BST	340	410	BST135	SSL340 - 410	SCB200 - 550	SRW150A	11.8
5158-S20-410	SRW 410A - BST	410	480	BST135	SSL410 - 480	SCB200 - 550	SRW150A	13.2
5158-S20-480	SRW 480A - BST	480	550	BST135	SSL480 - 550	SCB200 - 550	SRW150A	14.7
5158-S20-550	SRW 550A - BST	550	620	BST 220	SSL550 - 620	SCB200 - 550	SRW150A	18.6
5158-S20-620	SRW 620A - BST	620	690	BST 220	SSL620 - 690	SCB200 - 550	SRW150A	20.1
5158-S20-690	SRW 690A - BST	690	760	BST 220	SSL690 - 760	SCB200 - 550	SRW150A	21.5
5158-S20-760	SRW 760A - BST	760	830	BST 220	SSL760 - 830	SCB200 - 550	SRW150A	22.9

ACCESSORIES

INSERT	SCREW	WRENCH
CC..1204	M5-11-7.5-60	T20

Features:

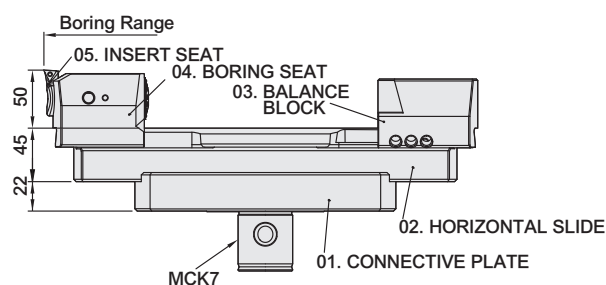
- ▶ Boring range: $\varnothing 150 \sim \varnothing 830\text{mm}$
- ▶ Spare parts can be purchased separately.
- ▶ Connection part: BST type.



SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

150mm
+
880mm

SMB 大孔徑精搪頭〔150mm 以上系列〕



MODEL NO.	TYPE	01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. BORING SEAT	05. INSERT SEAT	BORING RANGE	INSERT	WEIGHT (KGS)
5158-657-150	SMB150	SFL135	SSL150~200	SWB150~200	SMB150L	SIC68-1	150~200	TP09/TC11	10.6
						SIC68-2	176~226	TP09/TC11	10.6
						SIC68-3	200~250	TP09/TC11	10.6
5158-657-200	SMB200	SFL135	SSL200~270	SWB200~550	SMB150L	SIC68-1	200~270	TP09/TC11	11.6
						SIC68-2	226~296	TP09/TC11	11.6
						SIC68-3	250~320	TP09/TC11	11.6
5158-657-270	SMB270	SFL135	SSL270~340	SWB200~550	SMB150L	SIC68-1	270~340	TP09/TC11	13.0
						SIC68-2	296~366	TP09/TC11	13.0
						SIC68-3	320~390	TP09/TC11	13.0
5158-657-340	SMB340	SFL135	SSL340~410	SWB200~550	SMB150L	SIC68-1	340~410	TP09/TC11	14.4
						SIC68-2	366~436	TP09/TC11	14.4
						SIC68-3	390~460	TP09/TC11	14.4
5158-657-410	SMB410	SFL135	SSL410~480	SWB200~550	SMB150L	SIC68-1	410~480	TP09/TC11	15.8
						SIC68-2	436~506	TP09/TC11	15.8
						SIC68-3	460~530	TP09/TC11	15.8
5158-657-480	SMB480	SFL135	SSL480~550	SWB200~550	SMB150L	SIC68-1	480~550	TP09/TC11	17.2
						SIC68-2	506~576	TP09/TC11	17.2
						SIC68-3	530~600	TP09/TC11	17.2
5158-657-550	SMB550	SFL220	SSL550~620	SWB200~550	SMB150L	SIC68-1	550~620	TP09/TC11	20.0
						SIC68-2	576~646	TP09/TC11	20.0
						SIC68-3	600~670	TP09/TC11	20.0
5158-657-620	SMB620	SFL220	SSL620~690	SWB200~550	SMB150L	SIC68-1	620~690	TP09/TC11	21.4
						SIC68-2	646~716	TP09/TC11	21.4
						SIC68-3	670~740	TP09/TC11	21.4
5158-657-690	SMB690	SFL220	SSL690~760	SWB200~550	SMB150L	SIC68-1	690~760	TP09/TC11	22.9
						SIC68-2	716~786	TP09/TC11	22.9
						SIC68-3	740~810	TP09/TC11	22.9
5158-657-760	SMB760	SFL220	SSL760~830	SWB200~550	SMB150L	SIC68-1	760~830	TP09/TC11	24.3
						SIC68-2	786~856	TP09/TC11	24.3
						SIC68-3	810~880	TP09/TC11	24.3

ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8	TC..1102	M2.5-6.0-3.5-60	T8

Features:

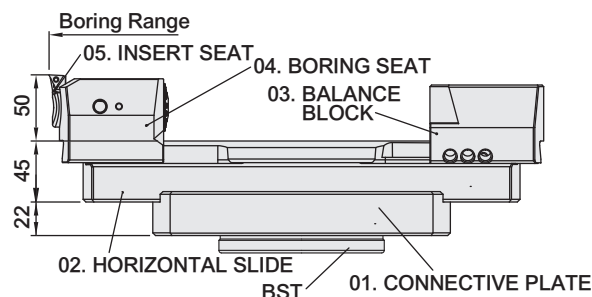
- ▶ Boring range: $\varnothing 150 \sim \varnothing 880\text{mm}$
- ▶ Micro- adjustment unit: one division = $10\mu\text{m}$ on diameter.
- ▶ Connection part: MCK7 type.



SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

150mm
+
880mm

SMB 大孔徑精搪頭〔150mm 以上系列〕



MODEL NO.	TYPE	01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. BORING SEAT	05. INSERT SEAT	BORING RANGE	INSERT	WEIGHT (KGS)
5158-S74-150	SMB150-BST	BST135	SSL150~200	SWB150~200	SMB150L	SIC68-1	150~200	TP09/TC11	10.6
						SIC68-2	176~226	TP09/TC11	10.6
						SIC68-3	200~250	TP09/TC11	10.6
5158-S74-200	SMB200-BST	BST135	SSL200~270	SWB200~550	SMB150L	SIC68-1	200~270	TP09/TC11	11.6
						SIC68-2	226~296	TP09/TC11	11.6
						SIC68-3	250~320	TP09/TC11	11.6
5158-S74-270	SMB270-BST	BST135	SSL270~340	SWB200~550	SMB150L	SIC68-1	270~340	TP09/TC11	13.0
						SIC68-2	296~366	TP09/TC11	13.0
						SIC68-3	320~390	TP09/TC11	13.0
5158-S74-340	SMB340-BST	BST135	SSL340~410	SWB200~550	SMB150L	SIC68-1	340~410	TP09/TC11	14.4
						SIC68-2	366~436	TP09/TC11	14.4
						SIC68-3	390~460	TP09/TC11	14.4
5158-S74-410	SMB410-BST	BST135	SSL410~480	SWB200~550	SMB150L	SIC68-1	410~480	TP09/TC11	15.8
						SIC68-2	436~506	TP09/TC11	15.8
						SIC68-3	460~530	TP09/TC11	15.8
5158-S74-480	SMB480-BST	BST135	SSL480~550	SWB200~550	SMB150L	SIC68-1	480~550	TP09/TC11	17.2
						SIC68-2	506~576	TP09/TC11	17.2
						SIC68-3	530~600	TP09/TC11	17.2
5158-S74-550	SMB550-BST	BST220	SSL550~620	SWB200~550	SMB150L	SIC68-1	550~620	TP09/TC11	20.0
						SIC68-2	576~646	TP09/TC11	20.0
						SIC68-3	600~670	TP09/TC11	20.0
5158-S74-620	SMB620-BST	BST220	SSL620~690	SWB200~550	SMB150L	SIC68-1	620~690	TP09/TC11	21.4
						SIC68-2	646~716	TP09/TC11	21.4
						SIC68-3	670~740	TP09/TC11	21.4
5158-S74-690	SMB690-BST	BST220	SSL690~760	SWB200~550	SMB150L	SIC68-1	690~760	TP09/TC11	22.9
						SIC68-2	716~786	TP09/TC11	22.9
						SIC68-3	740~810	TP09/TC11	22.9
5158-S74-760	SMB760-BST	BST220	SSL760~830	SWB200~550	SMB150L	SIC68-1	760~830	TP09/TC11	24.3
						SIC68-2	786~856	TP09/TC11	24.3
						SIC68-3	810~880	TP09/TC11	24.3

ACCESSORIES

INSERT	SCREW	WRENCH	INSERT	SCREW	WRENCH
TP..0902	M2.5-6.0-3.5-60	T8	TC..1102	M2.5-6.0-3.5-60	T8

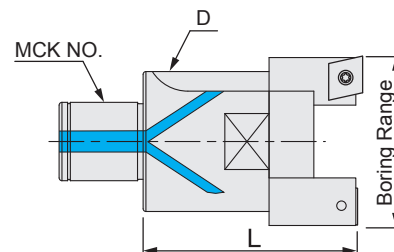
Features:

- ▶ Boring range: $\varnothing 150 \sim \varnothing 880\text{mm}$
- ▶ Micro- adjustment unit: one division = $10\mu\text{m}$ on diameter.
- ▶ Connection part: BST type.



RBH-LA INDEXABLE TWIN-BIT ROUGH BORING HEAD

RBH-LA 新型可調整式雙刀粗搪孔頭



MODEL NO.	TYPE	MCK NO.	L	D	BORING RANGE	INSERT	WEIGHT (KGS)
405-010-025-000	RBH - 25 - 35LA - C	MCK2	50	24	25 ~ 35	CC..0602	0.18
405-010-032-000	RBH - 32 - 45LA - C	MCK3	60	31	32 ~ 45	CC..0602	0.34
405-010-032-001	RBH - 32 - 45LA - T	MCK3	60	31	32 ~ 45	TC..1102	0.35
405-010-040-000	RBH - 40 - 55LA - C	MCK4	74	39	40 ~ 55	CC..09T3	0.62
405-010-040-001	RBH - 40 - 55LA - T	MCK4	74	39	40 ~ 55	TC..16T3	0.61
405-010-052-000	RBH - 52 - 75LA - C	MCK5	80	50	52 ~ 75	CC..09T3	1.13
405-010-052-001	RBH - 52 - 75LA - T	MCK5	80	50	52 ~ 75	TC..16T3	1.11
405-010-068-000	RBH - 68 - 100LA - C	MCK6	90	66	68 ~ 100	CC..1204	2.2
405-010-068-001	RBH - 68 - 100LA - T	MCK6	90	66	68 ~ 100	TC..16T3	2.21
405-010-090-000	RBH - 90 - 130LA - C	MCK6	100	88	90 ~ 130	CC..1204	3.1
405-010-090-001	RBH - 90 - 130LA - T	MCK6	100	88	90 ~ 130	TC..16T3	2.99

ACCESSORIES

INSERT	SCREW	WRENCH
CC..0602	M2.5-6.0-3.5-60	T8
CC..09T3	M4-10-5.7-60	T15
CC..1204	M5-11-7.5-60	T20
TC..1102	M2.5-6.0-3.5-60	T8
TC..16T3	M4-10-5.7-60	T15

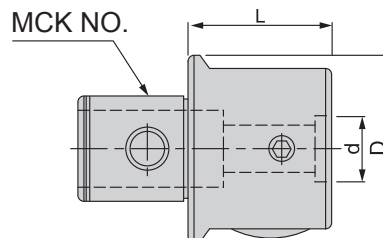
Features:

- ▶ Thickened cartridge with higher rigidity.
- ▶ RBH-25LA~RBH-160LA Coolant nozzle easily cools the insert elongating its working life.
- ▶ Completed with chip pocket, improving chip flow of deep boring.
- ▶ Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
- ▶ Patented step boring design; suitable for both level boring and step boring.



CBI SMALL DIAMETER FINISH BORING HEAD

CBI 小徑微調精搪頭



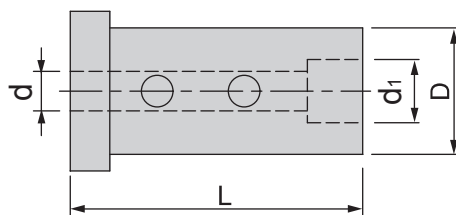
MODEL NO.	TYPE	MCK NO.	L	D	d	WEIGHT (KGS)
405-013-004-000	CBI4	MCK4	32	39	10	0.40
405-013-005-000	CBI5	MCK5	40	50	12	0.80
405-013-006-000	CBI6	MCK6	50	64	16	1.27

Features:

- ▶ Available are three different styles enabling small diameter boring from 8mm to 50mm. Boring range can be within 3mm to 10mm if small diameter solid carbide boring bar has been employed.
- ▶ The dial has been graduated into 50 divisions, each of which is 0.01mm on diameter. Available is sub-dial for finer adjustment.
- ▶ High precision internal lead screw with inner lubrication is free from the effects of chip, featuring high durability.

CBI SMALL DIAMETER ADAPTER

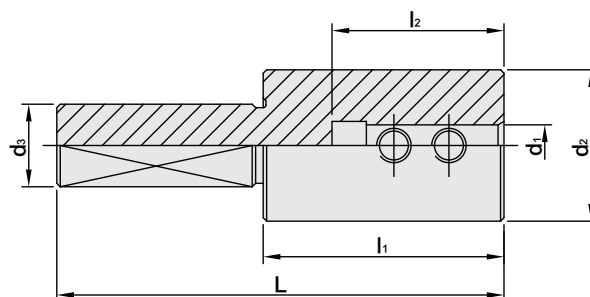
CBI 小徑套筒



MODEL NO.	TYPE	L	D	d	d ₁	CLAMPING SCREW	WRENCH	TORQUE (N.M)	WEIGHT (KGS)
408-013-0416-000	SH - 0416 - 37	37	16	4	8	HS4×4	PL2	3	0.07
408-013-0516-000	SH - 0516 - 37	37	16	5	8	HS5×5.5	PL2	3	0.06
408-013-0616-000	SH - 0616 - 37	37	16	6	8	HS6×4	PL2	3	0.06
408-013-0716-000	SH - 0716 - 37	37	16	7	8	HS6×4	PL2	3	0.06

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

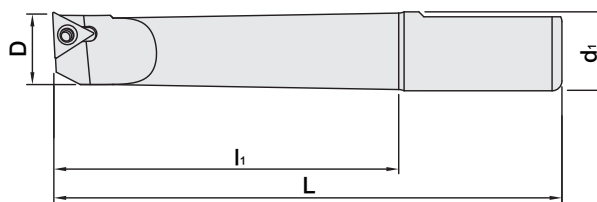
CBI 系列專用小徑搪刀延長桿 AC 型



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	SUITABLE BORING HEAD	WEIGHT (KGS)
405-015-010-000	AC1006 - 30	55	30	25	6	18	10	CBI4	0.06
405-015-012-000	AC1206 - 35	65	35	25	6	22	12	CBI5	0.12
405-015-012-001	AC1210 - 35	65	35	30	10	22	12	CBI5	0.11
405-015-016-000	AC1606 - 35	85	35	25	6	16	16	CBI6	0.12
405-015-016-001	AC1610 - 35	85	35	30	10	22	16	CBI6	0.15

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

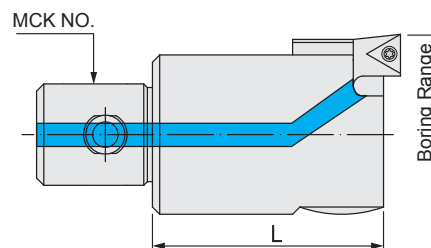
CBI 系列專用超小徑碳化鎢搪孔刀 SBJ 型



MODEL NO.	TYPE	L	MAX. BORING DIA.			l ₁	D	d ₁	WEIGHT (KGS)
			CBI4	CBI5	CBI6				
405-016-006-000	SBJ0603 - 15	50	7	10	13	15	3	6	0.02
405-016-006-001	SBJ0604 - 20	50	8	11	14	20	4	6	0.02
405-016-006-002	SBJ0605 - 25	60	9	12	15	25	5	6	0.02
405-016-006-003	SBJ0606 - 30	60	10	13	16	30	6	6	0.02
405-016-010-000	SBJ1008 - 35	75	12	15	18	35	8	10	0.06
405-016-010-001	SBJ1010 - 40	75	14	17	20	40	10	10	0.06

CBH FINISH BORING HEAD

CBH 微調精搪孔頭



MODEL NO.	TYPE	MCK NO.	L	BORING RANGE	INSERT	Torque (N.m)	WEIGHT (KGS)
405-011-020-000	CBH20 - TB06	MCK1	35	20 ~ 26	TB..0601	0.6	0.19
405-011-025-000	CBH25 - TB06	MCK2	40	25 ~ 33	TB..0601	0.6	0.20
405-011-032-000	CBH32 - TB06	MCK3	40	32 ~ 42	TB..0601	0.6	0.28
405-011-040-000	CBH40 - TB06	MCK4	50	40 ~ 55	TB..0601	0.6	0.59
405-011-020-001	CBH20 - TP08	MCK1	35	20 ~ 26	TP..0802	0.6	0.19
405-011-025-001	CBH25 - TP08	MCK2	40	25 ~ 33	TP..0802	0.6	0.26
405-011-032-001	CBH32 - TP08	MCK3	40	32 ~ 42	TP..0802	0.6	0.37
405-011-040-001	CBH40 - TP08	MCK4	50	40 ~ 55	TP..0802	0.6	0.52
405-011-020-002	CBH20 - TC09	MCK1	35	20 ~ 26	TC..0902	0.6	0.19
405-011-025-002	CBH25 - TC09	MCK2	40	25 ~ 33	TC..0902	0.6	0.20
405-011-032-002	CBH32 - TC09	MCK3	40	32 ~ 42	TC..0902	0.6	0.37
405-011-040-002	CBH40 - TC09	MCK4	50	40 ~ 55	TC..0902	0.6	0.50
405-011-020-003	CBH20 - TP09	MCK1	35	20 ~ 26	TP..0902	1.2	0.10
405-011-025-003	CBH25 - TP09	MCK2	40	25 ~ 33	TP..0902	1.2	0.20
405-011-032-003	CBH32 - TP09	MCK3	40	32 ~ 42	TP..0902	1.2	0.30
405-011-040-003	CBH40 - TP09	MCK4	50	40 ~ 55	TP..0902	1.2	0.50
405-011-052-003	CBH52 - TP08	MCK5	60	52 ~ 75	TP..0802	0.6	1.02
405-011-068-003	CBH68 - TP08	MCK6	72	68 ~ 102	TP..0802	0.6	2.02
405-011-100-003	CBH100 - TP08	MCK6	72	100 ~ 152	TP..0802	0.6	2.90
405-011-150-003	CBH150 - TP08	MCK6	72	150 ~ 202	TP..0802	0.6	4.43
405-011-052-004	CBH52 - TP09	MCK5	60	52 ~ 75	TP..0902	1.2	1.00
405-011-068-004	CBH68 - TP09	MCK6	72	68 ~ 102	TP..0902	1.2	2.00
405-011-100-004	CBH100 - TP09	MCK6	72	100 ~ 152	TP..0902	1.2	3.16
405-011-150-004	CBH150 - TP09	MCK6	72	150 ~ 202	TP..0902	1.2	4.20
405-011-052-005	CBH52 - TC11	MCK5	60	52 ~ 75	TC..1102	1.2	1.00
405-011-068-005	CBH68 - TC11	MCK6	72	68 ~ 102	TC..1102	1.2	2.00
405-011-100-005	CBH100 - TC11	MCK6	72	100 ~ 152	TC..1102	1.2	2.90
405-011-150-005	CBH150 - TC11	MCK6	72	150 ~ 202	TC..1102	1.2	4.20

ACCESSORIES

INSERT	CLAMPING SCREW	WRENCH	INSERT	CLAMPING SCREW	WRENCH
TB..0601	M2-5.0-2.7-60	T6	TC..0902	M2-5.0-3.1-60	T6
TP..0802	M2-5.0-3.1-60	T6	TC..1102	M2.5-6.0-3.5-60	T8
TP..0902	M2.5-6.0-3.5-60	T8			

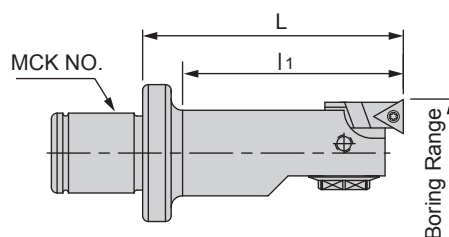
Features:

- ▶ Micro-adjustments with fifty 0.01mm in diameter. Includes a sub-dial for finer adjustments ranging from ϕ 20mm~ ϕ 202mm.
- ▶ 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.



MBH FINISH BORING HEAD

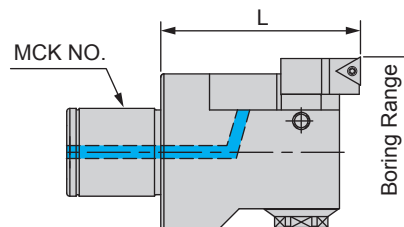
MBH 微調精搪孔頭



MODEL NO.	TYPE	MCK NO.	L	l ₁	BORING RANGE	INSERT	TORQUE (N.M)	WEIGHT (KGS)
405-012-16A	MBH16A	MCK2	55	50	16 ~ 20	WC..02	0.6	0.09
405-012-16B	MBH16B	MCK2	80	75	16 ~ 20	WC..02	0.6	0.12

MBH FINISH BORING HEAD

MBH 微調精搪孔頭



MODEL NO.	TYPE	MCK NO.	L	BORING RANGE	INSERT	Torque (N.m)	WEIGHT (KGS)
405-012-020	MBH20 - WC02	MCK1	35	20 ~ 26	WC..02	0.6	0.07
405-012-025	MBH25 - WC02	MCK2	40	25 ~ 32	WC..02	0.6	0.12
405-012-032	MBH32 - TP09	MCK3	40	32 ~ 42	TP..0902	1.2	0.23
	MBH32 - TC09	MCK3	40	32 ~ 42	TC..0902	0.6	0.23
	MBH32 - CC06	MCK3	40	32 ~ 42	CC..0602	1.2	0.23
405-012-40A	MBH40A - TP11	MCK4	50	40 ~ 55	TP..1103	1.4	0.43
	MBH40A - TC11	MCK4	50	40 ~ 55	TC..1102	1.2	0.43
	MBH40A - CC06	MCK4	50	40 ~ 55	CC..0602	1.2	0.43
405-012-40B	MBH40B - TP11	MCK4	50	55 ~ 70	TP..1103	1.4	0.43
	MBH40B - TC11	MCK4	50	55 ~ 70	TC..1102	1.2	0.43
	MBH40B - CC06	MCK4	50	55 ~ 70	CC..0602	1.2	0.43
405-012-52A	MBH52A - TP11	MCK5	60	52 ~ 70	TP..1103	1.4	0.90
	MBH52A - TC11	MCK5	60	52 ~ 70	TC..1102	1.2	0.90
	MBH52A - CC06	MCK5	60	52 ~ 70	CC..0602	1.2	0.90
405-012-52B	MBH52B - TP11	MCK5	60	67 ~ 85	TP..1103	1.4	0.90
	MBH52B - TC11	MCK5	60	67 ~ 85	TC..1102	1.2	0.90
	MBH52B - CC06	MCK5	60	67 ~ 85	CC..0602	1.2	0.90
405-012-68A	MBH68A - TP11	MCK6	75	68 ~ 88	TP..1103	1.4	1.86
	MBH68A - TC11	MCK6	75	68 ~ 88	TC..1102	1.2	1.86
	MBH68A - CC09	MCK6	75	68 ~ 88	CC..09T3	3.0	1.86
405-012-68B	MBH68B - TP11	MCK6	75	85 ~ 105	TP..1103	1.4	1.86
	MBH68B - TC11	MCK6	75	85 ~ 105	TC..1102	1.2	1.86
	MBH68B - CC09	MCK6	75	85 ~ 105	CC..09T3	3.0	1.86

ACCESSORIES

INSERT	CLAMPING SCREW	WRENCH	INSERT	CLAMPING SCREW	WRENCH
WC..02	M2.0-5.0-2.7-60	T6	TC..1102	M2.5-6.0-3.5-60	T8
CC..0602	M2.5-6.0-3.5-60	T8	TP..0902	M2.5-6.0-3.5-60	T8
CC..09T3	M4-10-5.7-60	T15	TP..1103	M3-8.0-4.0-43	T8
TC..0902	M2-5.0-3.1-60	T6			

Product Information:

► 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.



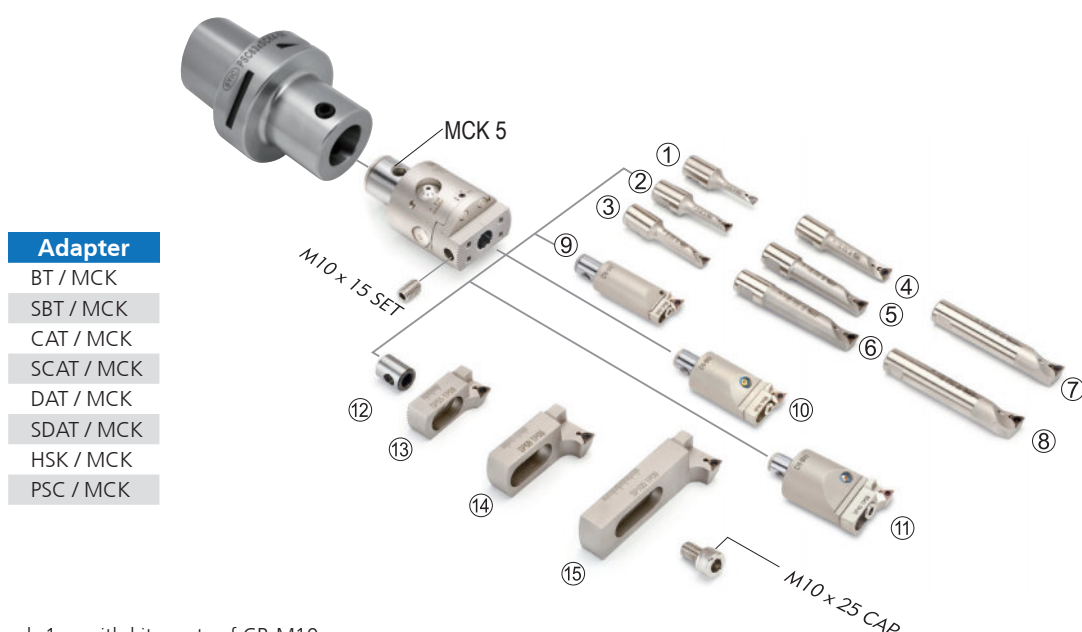
CBM55 MICRO ADJUSTMENT BORING HEAD SET

CBM55 精密微調搪孔頭套組



MODEL NO.	TYPE	BORING CAPACITY	BORING CUTTER W / O INSERTS			WEIGHT (KGS)
			TYPE	INSERTS / Clamp Screw	WRENCH	
405-007-055-000	CBM55	6 ~ 9	BR1606 - 21	WB06 / Ø3 x M2	T6	4.7
		8 ~ 11	BR1608 - 28	TB06 / Ø2.7 x M2	T6	
		10 ~ 13	BR1610 - 35			
		12 ~ 15	BR1612 - 42	TP09 / M2.5	T8	
		14 ~ 17	BR1614 - 50			
		16 ~ 20	BR1616 - 60			
		20 ~ 24	BR1620 - 65			
		24 ~ 28	BR1624 - 68			
		27 ~ 40	C16 - BR27 + SP27			
		35 ~ 50	C16 - BR35 + SP35			
		45 ~ 68	C16 - BR45 + SP45			
		55 ~ 80	CB-M10 + SP55			
		68 ~ 104	CB-M10 + SP68			
		100 ~ 154	CB-M10 + SP100			

CBM55 (Boring Range from Ø6 - Ø154 mm)



Features:

- ▶ Enclosed each 1pc with kits parts of CB-M10.
- ▶ Boring range up to Ø204mm can be match with option of CB150 adapter plate and RCM100 balance base.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.
- ▶ MCK boring head shank is optional accessory. Needs to be purchased additionally.

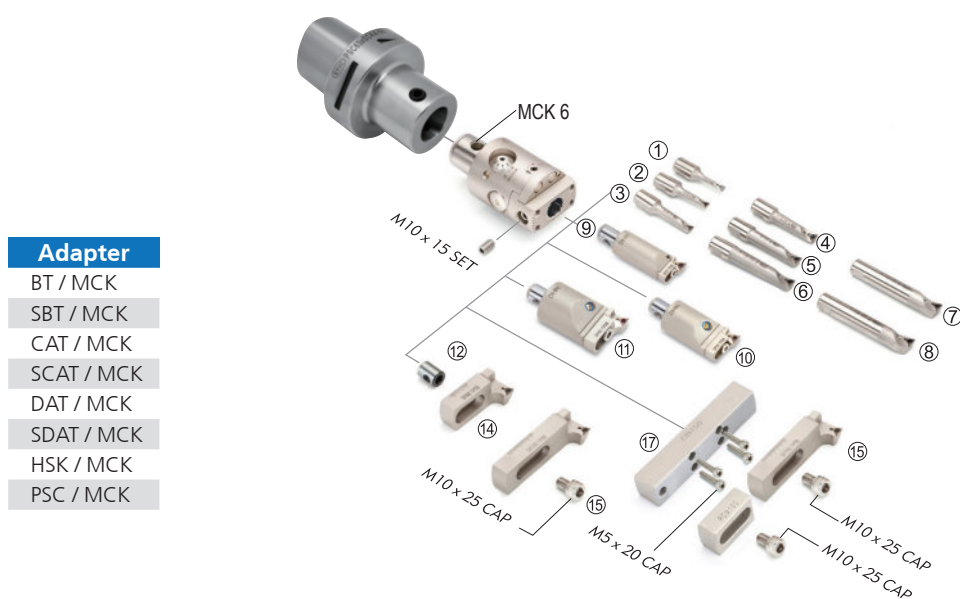
CBM68 MICRO ADJUSTMENT BORING HEAD SET

CBM68 精密微調搪孔頭套組



MODEL NO.	TYPE	BORING CAPACITY	BORING CUTTER W / O INSERTS			WEIGHT (KGS)
			TYPE	INSERTS / Clamp Screw	WRENCH	
405-007-068-000	CBM68	6 ~ 9	BR1606 - 21	WB06 / Ø3 x M2	T6	6.3
		8 ~ 11	BR1608 - 28	TB06 / Ø2.7 x M2	T6	
		10 ~ 13	BR1610 - 35			
		12 ~ 15	BR1612 - 42			
		14 ~ 17	BR1614 - 50	TP09 / M2.5	T8	
		16 ~ 20	BR1616 - 60			
		20 ~ 24	BR1620 - 65			
		24 ~ 28	BR1624 - 68			
		27 ~ 40	C16 - BR27 + SP27			
		35 ~ 50	C16 - BR35 + SP35			
		45 ~ 68	C16 - BR45 + SP45			
		68 ~ 104	CB - M10 + SP68			
		100 ~ 154	CB - M10 + SP100			
		150 ~ 204	CB150 + RCM100 + SP100			

CBM68 (Boring Range from Ø6 - Ø204 mm)



Features:

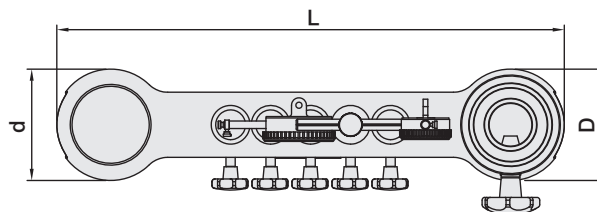
- ▶ Enclosed each 1pc with kits parts of CB-M10 and SP100.
- ▶ Boring range up to Ø254mm can be match with option of CB200 adapter plate.
- ▶ Boring range up to Ø304mm can be match with option of CB250 adapter plate.

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.
- ▶ MCK boring head shank is optional accessory. Needs to be purchased additionally.

SIMPLIFIED TOOL PRESETTER FOR SRW & SMB BORING HEAD

簡易式搪刀設定儀



MODEL NO.	TYPE	L	D	d	MEASURING RANGE	MCK NO.	WEIGHT (KGS)
5353-S93-550	SET 410 - 550	410	55	55	Ø100 ~ Ø550	MCK7	10.4
5353-S93-830	SET 410 - 830	610	55	55	Ø550 ~ Ø830	MCK7	12.8

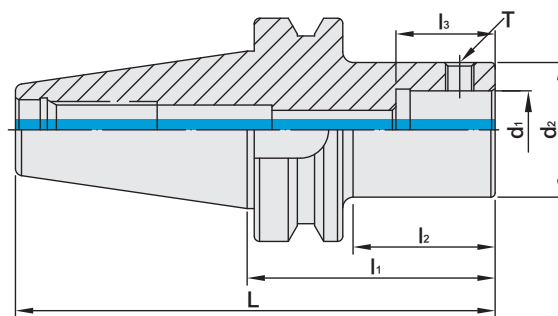
Features:

- ▶ Used for SRW & SMB boring heads for large boring diameter.
- ▶ Make quick adjustment for boring dimensions.
- ▶ Capable of measuring boring range from Ø100mm ~ Ø830mm.
- ▶ Each unit of dial indicator: Radial 0.02mm and Axial 0.01mm.



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5010-487-001-055	BT30 x MCK1 - 55	103.4	55	28	18	11	19	M4 x 0.5P	0.70
5010-487-001-070	BT30 x MCK1 - 70	118.4	70	43	18	11	19	M4 x 0.5P	0.80
5010-487-002-060	BT30 x MCK2 - 60	108.4	60	33	18.5	14	23.5	M5 x 0.5P	0.80
5010-487-002-075	BT30 x MCK2 - 75	123.4	75	48	18.5	14	23.5	M5 x 0.5P	0.80
5010-487-002-080	BT30 x MCK2 - 80	128.4	80	53	18.5	14	23.5	M5 x 0.5P	0.81
5010-487-003-050	BT30 x MCK3 - 50	98.4	50	26	24	18	31	M6 x 0.75P	0.90
5010-487-003-080	BT30 x MCK3 - 80	128.4	80	56	24	18	31	M6 x 0.75P	0.95
5010-487-004-060	BT30 x MCK4 - 60	108.4	60	37	28	22	39	M8 x 0.75P	1.00
5010-487-004-070	BT30 x MCK4 - 70	118.4	70	47	29	22	39	M8 x 0.75P	1.00
5010-487-005-070	BT30 x MCK5 - 70	118.4	70	47	35	28	50	M10 x 1.0P	1.10
5010-487-006-060	BT30 x MCK6 - 60	108.4	60	38	42	36	63	M12 x 1.0P	1.20

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ MAS/BT30 tool holders are without coolant supply over collars.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78

BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀桿



Fig.1

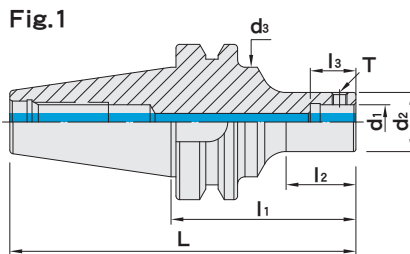
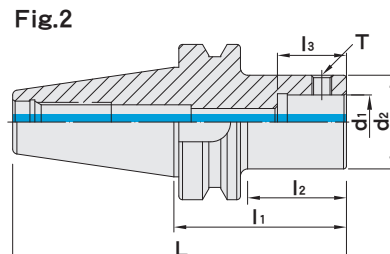


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
5011-487-001-100	BT40 x MCK1 - 100	165.4	100	51	18	11	19	44.45	M4 x 0.5P	1	1.20
5011-487-001-115	BT40 x MCK1 - 115	180.4	115	66	18	11	19	44.45	M4 x 0.5P	1	1.30
5011-487-002-075	BT40 x MCK2 - 75	140.4	75	28	18.5	14	23.5	44.45	M5 x 0.5P	1	1.14
5011-487-002-085	BT40 x MCK2 - 85	150.4	85	38	18.5	14	23.5	44.45	M5 x 0.5P	1	1.24
5011-487-002-115	BT40 x MCK2 - 115	180.4	115	68	18.5	14	23.5	44.45	M5 x 0.5P	1	1.30
5011-487-002-175	BT40 x MCK2 - 175	240.4	175	128	18.5	14	23.5	44.45	M5 x 0.5P	1	1.40
5011-487-003-080	BT40 x MCK3 - 80	145.4	80	48	24	18	31	-	M6 x 0.75P	2	3.90
5011-487-003-095	BT40 x MCK3 - 95	160.4	95	63	24	18	31	-	M6 x 0.75P	2	4.00
5011-487-003-125	BT40 x MCK3 - 125	190.4	125	93	24	18	31	-	M6 x 0.75P	2	4.10
5011-487-003-155	BT40 x MCK3 - 155	220.4	155	123	24	18	31	-	M6 x 0.75P	2	4.00
5011-487-003-200	BT40 x MCK3 - 200	265.4	200	168	24	18	31	-	M6 x 0.75P	2	4.10
5011-487-004-070	BT40 x MCK4 - 70	135.4	70	40	28	22	39	-	M8 x 0.75P	2	4.20
5011-487-004-100	BT40 x MCK4 - 100	165.4	100	70	28	22	39	-	M8 x 0.75P	2	4.40
5011-487-004-120	BT40 x MCK4 - 120	185.4	120	85	28	22	39	-	M8 x 0.75P	2	4.50
5011-487-004-130	BT40 x MCK4 - 130	195.4	130	98	28	22	39	-	M8 x 0.75P	2	1.66
5011-487-004-150	BT40 x MCK4 - 150	215.4	150	115	28	22	39	-	M8 x 0.75P	2	1.70
5011-487-004-175	BT40 x MCK4 - 175	240.4	175	143	28	22	39	-	M8 x 0.75P	2	1.76
5011-487-004-195	BT40 x MCK4 - 195	260.4	195	163	28	22	39	-	M8 x 0.75P	2	1.80

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

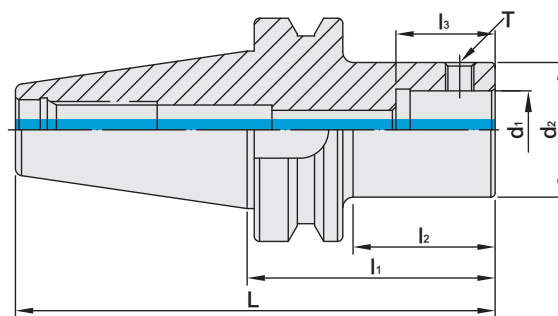
- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5011-487-005-060	BT40 x MCK5 - 60	125.4	60	30	35	28	50	M10 x 1.0P	1.30
5011-487-005-080	BT40 x MCK5 - 80	145.4	80	51	35	28	50	M10 x 1.0P	1.60
5011-487-005-100	BT40 x MCK5 - 100	165.4	100	70	35	28	50	M10 x 1.0P	1.65
5011-487-005-120	BT40 x MCK5 - 120	185.4	120	90	35	28	50	M10 x 1.0P	1.69
5011-487-005-125	BT40 x MCK5 - 125	190.4	125	96	35	28	50	M10 x 1.0P	1.70
5011-487-005-150	BT40 x MCK5 - 150	215.4	150	120	35	28	50	M10 x 1.0P	1.80
5011-487-005-175	BT40 x MCK5 - 175	240.4	175	146	35	28	50	M10 x 1.0P	1.90
5011-487-006-055	BT40 x MCK6 - 55	120.4	55	28	42	36	63	M12 x 1.0P	2.15
5011-487-006-065	BT40 x MCK6 - 65	130.4	65	38	42	36	63	M12 x 1.0P	2.20
5011-487-006-100	BT40 x MCK6 - 100	165.4	100	73	42	36	63	M12 x 1.0P	2.30
5011-487-006-115	BT40 x MCK6 - 115	180.4	115	88	42	36	63	M12 x 1.0P	2.40
5011-487-006-120	BT40 x MCK6 - 120	185.4	120	93	42	36	63	M12 x 1.0P	2.41
5011-487-006-150	BT40 x MCK6 - 150	215.4	150	123	42	36	63	M12 x 1.0P	2.45
5011-487-006-165	BT40 x MCK6 - 165	230.4	165	138	42	36	63	M12 x 1.0P	2.50

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78

BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀桿



Fig.1

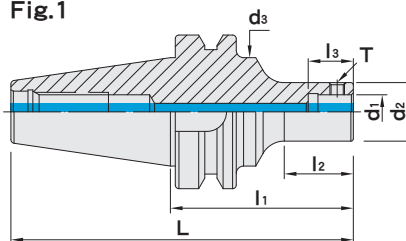
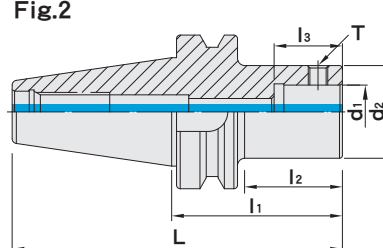


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
5012-487-001-105	BT50 x MCK1 - 105	206.8	105	38	18	11	19	69.85	M4 x 0.5P	1	3.90
5012-487-001-115	BT50 x MCK1 - 115	216.8	115	48	18	11	19	69.85	M4 x 0.5P	1	4.00
5012-487-001-145	BT50 x MCK1 - 145	246.8	145	78	18	11	19	69.85	M4 x 0.5P	1	4.10
5012-487-002-105	BT50 x MCK2 - 105	206.8	105	39	18.5	14	23.5	69.85	M5 x 0.5P	1	4.00
5012-487-002-135	BT50 x MCK2 - 135	236.8	135	67	18.5	14	23.5	69.85	M5 x 0.5P	1	4.10
5012-487-002-140	BT50 x MCK2 - 140	241.8	140	74	18.5	14	23.5	69.85	M5 x 0.5P	1	4.20
5012-487-002-175	BT50 x MCK2 - 175	276.8	175	109	18.5	14	23.5	69.85	M5 x 0.5P	1	4.40
5012-487-002-225	BT50 x MCK2 - 225	326.8	225	159	18.5	14	23.5	69.85	M5 x 0.5P	1	4.50
5012-487-003-110	BT50 x MCK3 - 110	211.8	110	62	24	18	31	-	M6 x 0.75P	2	4.40
5012-487-003-140	BT50 x MCK3 - 140	241.8	140	92	24	18	31	-	M6 x 0.75P	2	4.60
5012-487-003-155	BT50 x MCK3 - 155	256.8	155	107	24	18	31	-	M6 x 0.75P	2	4.80
5012-487-003-200	BT50 x MCK3 - 200	301.8	200	152	24	18	31	-	M6 x 0.75P	2	5.00
5012-487-003-240	BT50 x MCK3 - 240	341.8	240	192	24	18	31	-	M6 x 0.75P	2	5.20
5012-487-004-100	BT50 x MCK4 - 100	201.8	100	52	28	22	39	-	M8 x 0.75P	2	4.80
5012-487-004-160	BT50 x MCK4 - 160	261.8	160	112	28	22	39	-	M8 x 0.75P	2	5.20
5012-487-004-175	BT50 x MCK4 - 175	276.8	175	127	28	22	39	-	M8 x 0.75P	2	2.30
5012-487-004-205	BT50 x MCK4 - 205	306.8	205	160	28	22	39	-	M8 x 0.75P	2	5.40
5012-487-004-235	BT50 x MCK4 - 235	336.8	235	187	28	22	39	-	M8 x 0.75P	2	5.50
5012-487-004-265	BT50 x MCK4 - 265	366.8	265	217	28	22	39	-	M8 x 0.75P	2	5.60

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

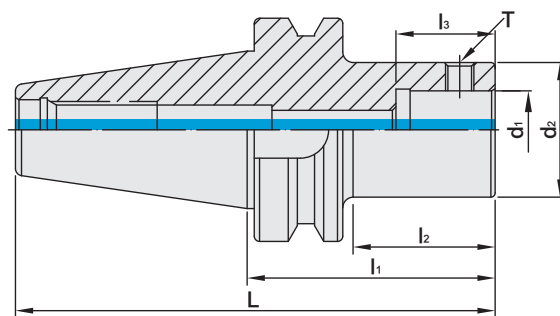
- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78



BT / MCK BORING HEAD SHANK

BT / MCK 搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5012-487-005-090	BT50 x MCK5 - 90	191.8	90	42	35	28	50	M10 x 1.0P	5.40
5012-487-005-105	BT50 x MCK5 - 105	206.8	105	57	35	28	50	M10 x 1.0P	5.60
5012-487-005-110	BT50 x MCK5 - 110	211.8	110	62	35	28	50	M10 x 1.0P	5.70
5012-487-005-165	BT50 x MCK5 - 165	266.8	165	117	35	28	50	M10 x 1.0P	6.20
5012-487-005-185	BT50 x MCK5 - 185	286.8	185	137	35	28	50	M10 x 1.0P	6.30
5012-487-005-210	BT50 x MCK5 - 210	311.8	210	162	35	28	50	M10 x 1.0P	6.40
5012-487-005-240	BT50 x MCK5 - 240	341.8	240	192	35	28	50	M10 x 1.0P	6.60
5012-487-005-265	BT50 x MCK5 - 265	366.8	265	217	35	28	50	M10 x 1.0P	6.70
5012-487-005-300	BT50 x MCK5 - 300	401.8	300	252	35	28	50	M10 x 1.0P	6.80
5012-487-006-085	BT50 x MCK6 - 85	186.8	85	37	42	36	63	M12 x 1.0P	5.90
5012-487-006-155	BT50 x MCK6 - 155	256.8	155	107	42	36	63	M12 x 1.0P	6.50
5012-487-006-215	BT50 x MCK6 - 215	316.8	215	167	42	36	63	M12 x 1.0P	6.90
5012-487-006-240	BT50 x MCK6 - 240	341.8	240	192	42	36	63	M12 x 1.0P	6.95
5012-487-006-265	BT50 x MCK6 - 265	366.8	265	217	42	36	63	M12 x 1.0P	7.00
5012-487-006-290	BT50 x MCK6 - 290	391.8	290	242	42	36	63	M12 x 1.0P	7.10
5012-487-006-300	BT50 x MCK6 - 300	401.8	300	252	42	36	63	M12 x 1.0P	7.12
5012-487-006-350	BT50 x MCK6 - 350	451.8	350	302	42	36	63	M12 x 1.0P	7.50
5012-487-007-093	BT50 x MCK7 - 93	194.8	93	52	52	46	90	M20 x 1.5P	5.00
5012-487-007-183	BT50 x MCK7 - 183	284.8	183	142	52	46	90	M20 x 1.5P	9.40
5012-487-007-243	BT50 x MCK7 - 243	344.8	243	202	52	46	90	M20 x 1.5P	6.90

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

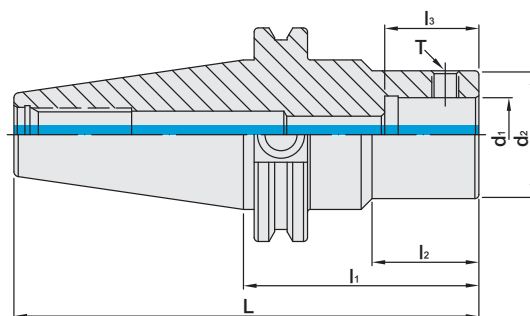
Product information:

- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	SRW	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
									
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-64~65	P.X-73、77	P.X-78

CAT / MCK BORING HEAD SHANK

CAT / MCK 搪孔刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5031-487-001-076	CAT40 x MCK1 - 3"	5.687	3	1.105	0.708	0.433	0.748	M4 x 0.5P	1.20
5031-487-001-095	CAT40 x MCK1 - 3.75"	6.437	3.75	1.856	0.708	0.433	0.748	M4 x 0.5P	1.25
5031-487-002-076	CAT40 x MCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.5P	1.30
5031-487-002-110	CAT40 x MCK2 - 4.35"	7.037	4.35	2.656	0.728	0.551	0.925	M5 x 0.5P	1.35
5031-487-003-076	CAT40 x MCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 0.75P	1.40
5031-487-003-127	CAT40 x MCK3 - 5"	7.687	5	3.36	0.945	0.709	1.22	M6 x 0.75P	1.45
5031-487-004-076	CAT40 x MCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 0.75P	1.50
5031-487-004-108	CAT40 x MCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 0.75P	1.55
5031-487-005-076	CAT40 x MCK5 - 3"	5.687	3	2.219	1.378	1.102	1.969	M10 x 1.0P	1.60
5031-487-005-108	CAT40 x MCK5 - 4.25"	6.937	4.25	3.469	1.378	1.102	1.969	M10 x 1.0P	1.65
5031-487-006-076	CAT40 x MCK6 - 3"	5.687	3	2.219	1.653	1.417	2.48	M12 x 1.0P	1.70
5031-487-006-108	CAT40 x MCK6 - 4.25"	6.937	4.25	3.469	1.653	1.417	2.48	M12 x 1.0P	1.75
5032-487-001-089	CAT50 x MCK1 - 3.5"	7.5	3.5	1.317	0.708	0.433	0.748	M4 x 0.5P	3.30
5032-487-001-102	CAT50 x MCK1 - 4"	8	4	1.817	0.708	0.433	0.748	M4 x 0.5P	3.35
5032-487-002-089	CAT50 x MCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.5P	3.40
5032-487-002-135	CAT50 x MCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.5P	3.45
5032-487-003-089	CAT50 x MCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 0.75P	3.50
5032-487-003-140	CAT50 x MCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 0.75P	3.55
5032-487-004-089	CAT50 x MCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 0.75P	3.60
5032-487-004-140	CAT50 x MCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 0.75P	3.65
5032-487-005-089	CAT50 x MCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.0P	3.70
5032-487-005-140	CAT50 x MCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.0P	3.75
5032-487-006-089	CAT50 x MCK6 - 3.5"	7.5	3.5	1.988	1.653	1.417	2.48	M12 x 1.0P	3.80
5032-487-006-140	CAT50 x MCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.0P	3.85
5032-487-007-095	CAT50 x MCK7 - 3.74"	7.74	3.74	2.362	2.047	1.811	3.54	M20 x 1.5P	5.00

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

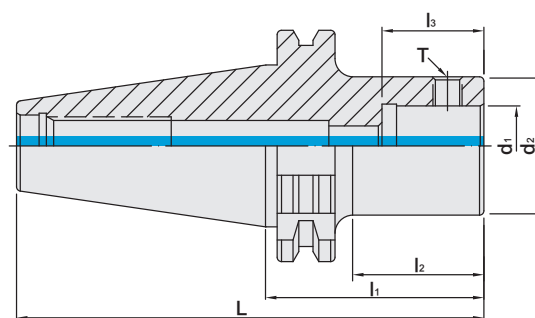
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	SRW	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-66	P.X-73、77	P.X-78



DAT / MCK BORING HEAD SHANK

DAT / MCK 搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5050-487-001-050	DAT30 x MCK1 - 50	97.8	50	27.9	18	11	19	M4 x 0.5P	0.60
5050-487-002-065	DAT30 x MCK2 - 65	112.8	65	42.9	18.5	14	23.5	M5 x 0.5P	0.70
5050-487-003-050	DAT30 x MCK3 - 50	97.8	50	27.9	24	18	31	M6 x 0.75P	0.80
5050-487-004-050	DAT30 x MCK4 - 50	97.8	50	27.9	28	22	39	M8 x 0.75P	1.30
5051-487-001-080	DAT40 x MCK1 - 80	148.4	80	50.9	18	11	19	M4 x 0.5P	1.00
5051-487-001-095	DAT40 x MCK1 - 95	163.4	95	65.9	18	11	19	M4 x 0.5P	1.05
5051-487-002-080	DAT40 x MCK2 - 80	148.4	80	50.9	18.5	14	23.5	M5 x 0.5P	1.10
5051-487-002-110	DAT40 x MCK2 - 110	178.4	110	80.9	18.5	14	23.5	M5 x 0.5P	1.15
5051-487-003-090	DAT40 x MCK3 - 90	158.4	90	65.9	24	18	31	M6 x 0.75P	1.20
5051-487-003-125	DAT40 x MCK3 - 125	193.4	125	100.9	24	18	31	M6 x 0.75P	1.25
5051-487-004-080	DAT40 x MCK4 - 80	148.4	80	55.9	28	22	39	M8 x 0.75P	1.30
5051-487-004-110	DAT40 x MCK4 - 110	178.4	110	85.9	28	22	39	M8 x 0.75P	1.35
5051-487-005-095	DAT40 x MCK5 - 95	163.4	95	75.4	35	28	50	M10 x 1.0P	1.40
5051-487-005-110	DAT40 x MCK5 - 110	178.4	110	90.4	35	28	50	M10 x 1.0P	1.45
5051-487-006-065	DAT40 x MCK6 - 65	133.4	65	45.4	42	36	63	M12 x 1.0P	1.50
5051-487-006-095	DAT40 x MCK6 - 95	163.4	95	75.4	42	36	63	M12 x 1.0P	1.55
5052-487-001-110	DAT50 x MCK1 - 110	211.75	110	80.9	18	11	19	M4 x 0.5P	3.10
5052-487-001-125	DAT50 x MCK1 - 125	226.75	125	95.9	18	11	19	M4 x 0.5P	3.15
5052-487-002-095	DAT50 x MCK2 - 95	196.75	95	65.9	18.5	14	23.5	M5 x 0.5P	3.20
5052-487-002-125	DAT50 x MCK2 - 125	226.75	125	95.9	18.5	14	23.5	M5 x 0.5P	3.25
5052-487-003-125	DAT50 x MCK3 - 125	226.75	125	95.9	24	18	31	M6 x 0.75P	3.30
5052-487-003-155	DAT50 x MCK3 - 155	256.75	155	125.9	24	18	31	M6 x 0.75P	3.35
5052-487-004-110	DAT50 x MCK4 - 110	211.75	110	80.9	28	22	39	M8 x 0.75P	3.40
5052-487-004-125	DAT50 x MCK4 - 125	226.75	125	95.9	28	22	39	M8 x 0.75P	3.45
5052-487-005-065	DAT50 x MCK5 - 65	166.75	65	35.9	35	28	50	M10 x 1.0P	3.50
5052-487-005-140	DAT50 x MCK5 - 140	241.75	140	110.9	35	28	50	M10 x 1.0P	3.55
5052-487-006-140	DAT50 x MCK6 - 140	241.75	140	110.9	42	36	63	M12 x 1.0P	3.60
5052-487-006-170	DAT50 x MCK6 - 170	271.75	170	140.9	42	36	63	M12 x 1.0P	3.65
5052-487-007-095	DAT50 x MCK7 - 95	196.75	95	60	52	46	90	M20 x 1.5P	5.00

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

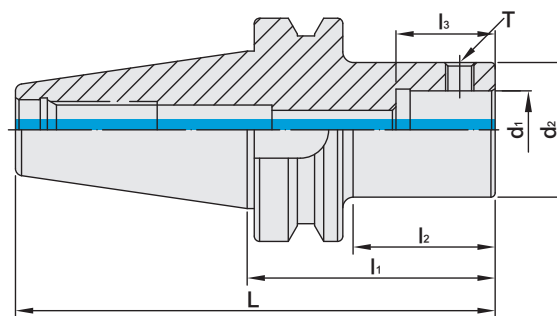
- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ DAT30 tool holders are without coolant supply over collars.

SMU	SCK	SBJ	SMB	SRW	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-67	P.X-73、77	P.X-78

SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5025-487-001-055	SBT30 x MCK1 - 55	103.4	55	28	18	11	19	M4 x 0.5P	0.70
5025-487-001-070	SBT30 x MCK1 - 70	118.4	70	43	18	11	19	M4 x 0.5P	0.80
5025-487-002-060	SBT30 x MCK2 - 60	108.4	60	33	18.5	14	23.5	M5 x 0.5P	0.80
5025-487-002-075	SBT30 x MCK2 - 75	123.4	75	48	18.5	14	23.5	M5 x 0.5P	0.80
5025-487-002-080	SBT30 x MCK2 - 80	128.4	80	53	18.5	14	23.5	M5 x 0.5P	0.85
5025-487-003-050	SBT30 x MCK3 - 50	98.4	50	26	24	18	31	M6 x 0.75P	0.90
5025-487-003-080	SBT30 x MCK3 - 80	128.4	80	56	24	18	31	M6 x 0.75P	0.95
5025-487-004-060	SBT30 x MCK4 - 60	108.4	60	37	28	22	39	M8 x 0.75P	1.00
5025-487-004-070	SBT30 x MCK4 - 70	118.4	70	47	28	22	39	M8 x 0.75P	1.00
5025-487-005-070	SBT30 x MCK5 - 70	118.4	70	47	35	28	50	M10 x 1.0P	1.10
5025-487-006-060	SBT30 x MCK6 - 60	108.4	60	38	42	36	63	M12 x 1.0P	1.20
5026-487-003-080	SBT40 x MCK3 - 80	145.4	80	48	24	18	31	M6 x 0.75P	1.22
5026-487-003-095	SBT40 x MCK3 - 95	160.4	95	63	24	18	31	M6 x 0.75P	1.24
5026-487-003-125	SBT40 x MCK3 - 125	190.4	125	93	24	18	31	M6 x 0.75P	1.30
5026-487-003-155	SBT40 x MCK3 - 155	220.4	155	123	24	18	31	M6 x 0.75P	1.40
5026-487-004-070	SBT40 x MCK4 - 70	135.4	70	40	28	22	39	M8 x 0.75P	1.50
5026-487-004-100	SBT40 x MCK4 - 100	165.4	100	70	28	22	39	M8 x 0.75P	1.56
5026-487-004-130	SBT40 x MCK4 - 130	195.4	130	98	28	22	39	M8 x 0.75P	1.60
5026-487-004-175	SBT40 x MCK4 - 175	240.4	175	143	28	22	39	M8 x 0.75P	1.70
5026-487-005-060	SBT40 x MCK5 - 60	125.4	60	30	35	28	50	M10 x 1.0P	1.30
5026-487-005-080	SBT40 x MCK5 - 80	145.4	80	51	35	28	50	M10 x 1.0P	1.60
5026-487-005-125	SBT40 x MCK5 - 125	190.4	125	96	35	28	50	M10 x 1.0P	1.70
5026-487-005-175	SBT40 x MCK5 - 175	240.4	175	146	35	28	50	M10 x 1.0P	1.80
5026-487-006-055	SBT40 x MCK6 - 55	120.4	55	28	42	36	63	M12 x 1.0P	2.15
5026-487-006-065	SBT40 x MCK6 - 65	130.4	65	38	42	36	63	M12 x 1.0P	2.20
5026-487-006-115	SBT40 x MCK6 - 115	170.4	115	88	42	36	63	M12 x 1.0P	2.30
5026-487-006-165	SBT40 x MCK6 - 165	230.4	165	138	42	36	63	M12 x 1.0P	2.50

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

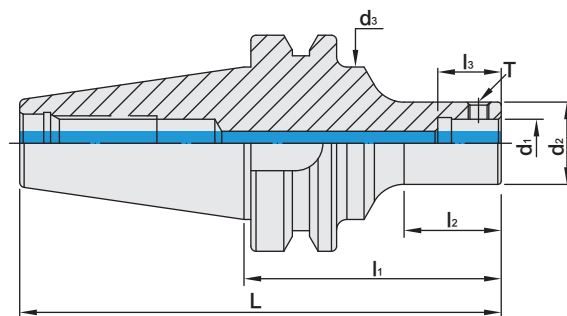
SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78



SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5026-487-001-100	SBT40 x MCK1 - 100	165.4	100	51	18	11	19	44.45	M4 x 0.5P	1.20
5026-487-001-115	SBT40 x MCK1 - 115	180.4	115	66	18	11	19	44.45	M4 x 0.5P	1.30
5026-487-002-075	SBT40 x MCK2 - 75	140.4	75	28	18.5	14	23.5	44.45	M5 x 0.5P	1.14
5026-487-002-085	SBT40 x MCK2 - 85	150.4	85	38	18.5	14	23.5	44.45	M5 x 0.5P	1.20
5026-487-002-115	SBT40 x MCK2 - 115	180.4	115	68	18.5	14	23.5	44.45	M5 x 0.5P	1.25
5027-487-001-105	SBT50 x MCK1 - 105	206.8	105	38	18	11	19	69.85	M4 x 0.5P	3.90
5027-487-001-115	SBT50 x MCK1 - 115	216.8	115	48	18	11	19	69.85	M4 x 0.5P	4.00
5027-487-001-145	SBT50 x MCK1 - 145	246.8	145	78	18	11	19	69.85	M4 x 0.5P	4.10
5027-487-002-105	SBT50 x MCK2 - 105	206.8	105	39	18.5	14	23.5	69.85	M5 x 0.5P	4.00
5027-487-002-135	SBT50 x MCK2 - 135	236.8	135	67	18.5	14	23.5	69.85	M5 x 0.5P	4.10
5027-487-002-140	SBT50 x MCK2 - 140	241.8	140	72	18.5	14	23.5	69.85	M5 x 0.5P	4.20

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

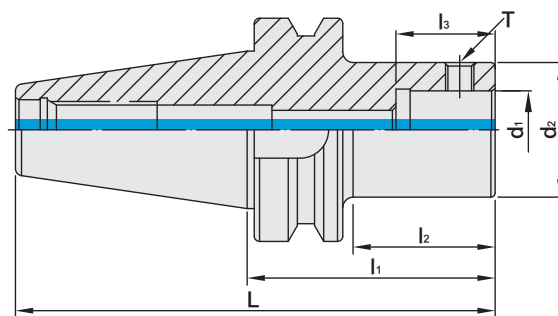
- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78

SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5027-487-003-110	SBT50 x MCK3 - 110	211.8	110	62	24	18	31	M6 x 0.75P	4.40
5027-487-003-140	SBT50 x MCK3 - 140	241.8	140	92	24	18	31	M6 x 0.75P	4.60
5027-487-003-155	SBT50 x MCK3 - 155	256.8	155	107	24	18	31	M6 x 0.75P	4.80
5027-487-004-100	SBT50 x MCK4 - 100	201.8	100	52	28	22	39	M8 x 0.75P	4.80
5027-487-004-160	SBT50 x MCK4 - 160	261.8	160	112	28	22	39	M8 x 0.75P	5.20
5027-487-004-175	SBT50 x MCK4 - 175	276.8	175	127	28	22	39	M8 x 0.75P	2.30
5027-487-004-205	SBT50 x MCK4 - 205	306.8	205	160	28	22	39	M8 x 0.75P	5.40
5027-487-005-090	SBT50 x MCK5 - 90	191.8	90	42	35	28	50	M10 x 1.0P	5.40
5027-487-005-105	SBT50 x MCK5 - 105	206.8	105	57	35	28	50	M10 x 1.0P	5.60
5027-487-005-165	SBT50 x MCK5 - 165	266.8	165	117	35	28	50	M10 x 1.0P	6.20
5027-487-005-210	SBT50 x MCK5 - 210	311.8	210	162	35	28	50	M10 x 1.0P	6.40
5027-487-005-240	SBT50 x MCK5 - 240	341.8	240	192	35	28	50	M10 x 1.0P	6.60
5027-487-005-300	SBT50 x MCK5 - 300	401.8	300	252	35	28	50	M10 x 1.0P	6.80
5027-487-006-085	SBT50 x MCK6 - 85	186.8	85	37	42	36	63	M12 x 1.0P	5.90
5027-487-006-155	SBT50 x MCK6 - 155	256.8	155	107	42	36	63	M12 x 1.0P	6.50
5027-487-006-215	SBT50 x MCK6 - 215	316.8	215	167	42	36	63	M12 x 1.0P	6.90
5027-487-007-180	SBT50 x MCK7 - 180	281.8	180	139	52	46	90	M20 x 1.5P	5.00
5027-487-007-330	SBT50 x MCK7 - 330	431.8	330	289	52	46	90	M20 x 1.5P	12.5

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

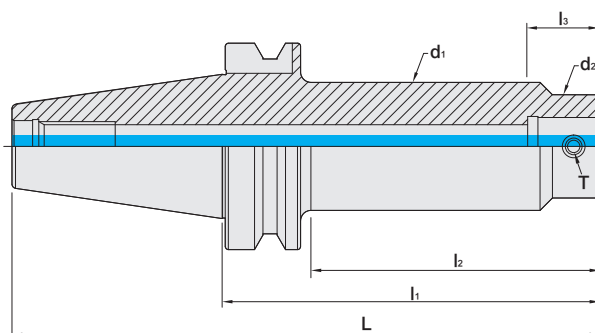
SMU	SCK	SBJ	SMB	SRW	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-64~65	P.X-73、77	P.X-78



SBT / MCK BORING HEAD SHANK

Dual
DRIVE+

SBT / MCK 法蘭加厚型搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5027-491-004-193	SBT50 x MCK4 - 193BG	294.8	193	150	28	48	39	M8 x 0.75P	5.50
5027-491-004-238	SBT50 x MCK4 - 238BG	339.8	238	195	28	48	39	M8 x 0.75P	6.10
5027-491-005-243	SBT50 x MCK5 - 243BG	344.8	243	200	35	62	50	M10 x 1.0P	8.10
5027-491-005-303	SBT50 x MCK5 - 303BG	404.8	303	260	35	62	50	M10 x 1.0P	9.50
5027-491-006-259	SBT50 x MCK6 - 259BG	360.8	259	216	42	72	63	M12 x 1.0P	10.3
5027-491-006-314	SBT50 x MCK6 - 314BG	415.8	314	271	42	72	63	M12 x 1.0P	12.0
5027-491-006-289	SBT50 x MCK6 - 289BG	390.8	289	246	42	80	63	M12 x 1.0P	12.9
5027-491-006-349	SBT50 x MCK6 - 349BG	450.8	349	306	42	80	63	M12 x 1.0P	15.2

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

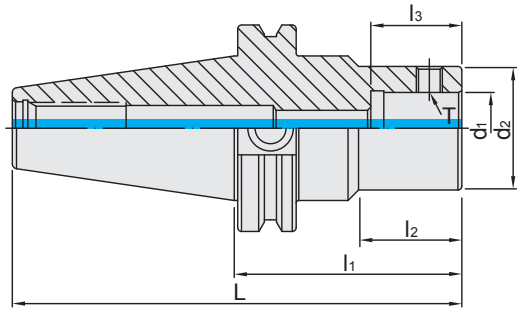
- ▶ AD+B type is available, please inform us when making an order.

SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-64~65	P.X-73、77	P.X-78

SCAT / MCK BORING HEAD SHANK



SCAT / MCK 法蘭加厚型搪孔刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5043-487-001-076	SCAT40 x MCK1 - 3"	5.687	3	1.105	0.708	0.433	0.748	M4 x 0.5P	1.20
5043-487-001-095	SCAT40 x MCK1 - 3.75"	6.437	3.75	1.856	0.708	0.433	0.748	M4 x 0.5P	1.25
5043-487-002-076	SCAT40 x MCK2 - 3"	5.687	3	1.39	0.728	0.551	0.925	M5 x 0.5P	1.30
5043-487-002-110	SCAT40 x MCK2 - 4.35"	7.037	4.35	2.656	0.728	0.551	0.925	M5 x 0.5P	1.35
5043-487-003-076	SCAT40 x MCK3 - 3"	5.687	3	1.356	0.945	0.709	1.22	M6 x 0.75P	1.40
5043-487-003-127	SCAT40 x MCK3 - 5"	7.687	5	3.36	0.945	0.709	1.22	M6 x 0.75P	1.45
5043-487-004-076	SCAT40 x MCK4 - 3"	5.687	3	1.515	1.102	0.866	1.535	M8 x 0.75P	1.50
5043-487-004-108	SCAT40 x MCK4 - 4.25"	6.937	4.25	2.765	1.102	0.866	1.535	M8 x 0.75P	1.55
5043-487-005-076	SCAT40 x MCK5 - 3"	5.687	3	2.219	1.378	1.102	1.969	M10 x 1.0P	1.60
5043-487-005-108	SCAT40 x MCK5 - 4.25"	6.937	4.25	3.469	1.378	1.102	1.969	M10 x 1.0P	1.65
5043-487-006-076	SCAT40 x MCK6 - 3"	5.687	3	2.219	1.653	1.417	2.48	M12 x 1.0P	1.70
5043-487-006-108	SCAT40 x MCK6 - 4.25"	6.937	4.25	3.469	1.653	1.417	2.48	M12 x 1.0P	1.75
5044-487-001-089	SCAT50 x MCK1 - 3.5"	7.5	3.5	1.317	0.708	0.433	0.748	M4 x 0.5P	3.30
5044-487-001-102	SCAT50 x MCK1 - 4"	8	4	1.817	0.708	0.433	0.748	M4 x 0.5P	3.35
5044-487-002-089	SCAT50 x MCK2 - 3.5"	7.5	3.5	1.368	0.728	0.551	0.925	M5 x 0.5P	3.40
5044-487-002-135	SCAT50 x MCK2 - 5.3"	9.3	5.3	3.167	0.728	0.551	0.925	M5 x 0.5P	3.45
5044-487-003-089	SCAT50 x MCK3 - 3.5"	7.5	3.5	1.453	0.945	0.709	1.22	M6 x 0.75P	3.50
5044-487-003-140	SCAT50 x MCK3 - 5.5"	9.5	5.5	3.453	0.945	0.709	1.22	M6 x 0.75P	3.55
5044-487-004-089	SCAT50 x MCK4 - 3.5"	7.5	3.5	1.544	1.102	0.866	1.535	M8 x 0.75P	3.60
5044-487-004-140	SCAT50 x MCK4 - 5.5"	9.5	5.5	3.544	1.102	0.866	1.535	M8 x 0.75P	3.65
5044-487-005-089	SCAT50 x MCK5 - 3.5"	7.5	3.5	1.669	1.378	1.102	1.969	M10 x 1.0P	3.70
5044-487-005-140	SCAT50 x MCK5 - 5.5"	9.5	5.5	3.669	1.378	1.102	1.969	M10 x 1.0P	3.75
5044-487-006-089	SCAT50 x MCK6 - 3.5"	7.5	3.5	1.988	1.653	1.417	2.48	M12 x 1.0P	3.80
5044-487-006-140	SCAT50 x MCK6 - 5.5"	9.5	5.5	3.987	1.653	1.417	2.48	M12 x 1.0P	3.85

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

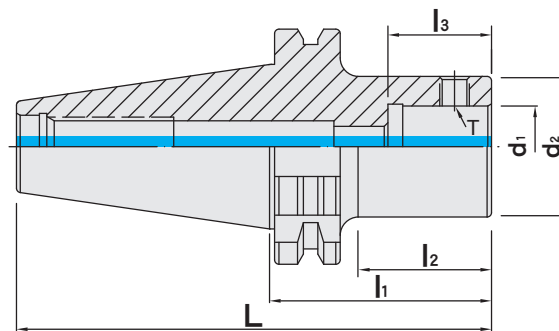
SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-66	P.X-73、77	P.X-78



SDAT / MCK BORING HEAD SHANK



SDAT / MCK 法蘭加厚型搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5066-487-001-080	SDAT40 x MCK1 - 80	148.4	80	50.9	18	11	19	M4 x 0.5P	1.00
5066-487-001-095	SDAT40 x MCK1 - 95	163.4	95	65.9	18	11	19	M4 x 0.5P	1.05
5066-487-002-080	SDAT40 x MCK2 - 80	148.4	80	50.9	18.5	14	23.5	M5 x 0.5P	1.10
5066-487-002-110	SDAT40 x MCK2 - 110	178.4	110	80.9	18.5	14	23.5	M5 x 0.5P	1.15
5066-487-003-090	SDAT40 x MCK3 - 90	158.4	90	65.9	24	18	31	M6 x 0.75P	1.20
5066-487-003-125	SDAT40 x MCK3 - 125	193.4	125	100.9	24	18	31	M6 x 0.75P	1.25
5066-487-004-080	SDAT40 x MCK4 - 80	148.4	80	55.9	28	22	39	M8 x 0.75P	1.30
5066-487-004-110	SDAT40 x MCK4 - 110	178.4	110	85.9	28	22	39	M8 x 0.75P	1.35
5066-487-005-095	SDAT40 x MCK5 - 95	163.4	95	75.4	35	28	50	M10 x 1.0P	1.40
5066-487-005-110	SDAT40 x MCK5 - 110	178.4	110	90.4	35	28	50	M10 x 1.0P	1.45
5066-487-006-065	SDAT40 x MCK6 - 65	133.4	65	45.4	42	36	63	M12 x 1.0P	1.50
5066-487-006-095	SDAT40 x MCK6 - 95	163.4	95	75.4	42	36	63	M12 x 1.0P	1.55
5067-487-001-110	SDAT50 x MCK1 - 110	211.75	110	80.9	18	11	19	M4 x 0.5P	3.10
5067-487-001-125	SDAT50 x MCK1 - 125	226.75	125	95.9	18	11	19	M4 x 0.5P	3.15
5067-487-002-095	SDAT50 x MCK2 - 95	196.75	95	65.9	18.5	14	23.5	M5 x 0.5P	3.20
5067-487-002-125	SDAT50 x MCK2 - 125	226.75	125	95.9	18.5	14	23.5	M5 x 0.5P	3.25
5067-487-003-125	SDAT50 x MCK3 - 125	226.75	125	95.9	24	18	31	M6 x 0.75P	3.30
5067-487-003-155	SDAT50 x MCK3 - 155	256.75	155	125.9	24	18	31	M6 x 0.75P	3.35
5067-487-004-110	SDAT50 x MCK4 - 110	211.75	110	80.9	28	22	39	M8 x 0.75P	3.40
5067-487-004-125	SDAT50 x MCK4 - 125	226.75	125	95.9	28	22	39	M8 x 0.75P	3.45
5067-487-005-065	SDAT50 x MCK5 - 65	166.75	65	35.9	35	28	50	M10 x 1.0P	3.50
5067-487-005-140	SDAT50 x MCK5 - 140	241.75	140	110.9	35	28	50	M10 x 1.0P	3.55
5067-487-006-140	SDAT50 x MCK6 - 140	241.75	140	110.9	42	36	63	M12 x 1.0P	3.60
5067-487-006-170	SDAT50 x MCK6 - 170	271.75	170	140.9	42	36	63	M12 x 1.0P	3.65

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

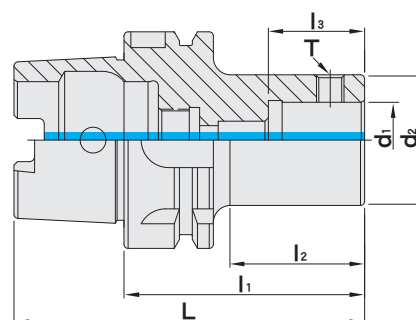
SMU	SCK	SBJ	SMB	EXTENSION SPACER	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
							
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-67	P.X-73、77	P.X-78

HSK / MCK BORING HEAD SHANK

HSK / MCK 搪孔刀桿

(DIN 69893-1)

BORING



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5071-487-001-050	HSK40A x MCK1 - 50	70	50	27	15	11	19	M4 x 0.5P	0.60
5071-487-002-060	HSK40A x MCK2 - 60	80	60	37	18.5	14	23.5	M5 x 0.5P	0.70
5071-487-003-060	HSK40A x MCK3 - 60	80	60	38	24	18	31	M6 x 0.75P	0.80
5072-487-001-060	HSK50A x MCK1 - 60	85	60	31	18	11	19	M4 x 0.5P	1.00
5072-487-002-060	HSK50A x MCK2 - 60	85	60	31	18.5	14	23.5	M5 x 0.5P	1.10
5072-487-003-060	HSK50A x MCK3 - 60	85	60	32	24	18	31	M6 x 0.75P	1.20
5072-487-004-060	HSK50A x MCK4 - 60	85	60	32	28	22	39	M8 x 0.75P	1.30
5072-487-005-080	HSK50A x MCK5 - 80	105	80	53	35	28	50	M10 x 1.0P	1.40
5072-487-006-080	HSK50A x MCK6 - 80	105	80	53	42	36	63	M12 x 1.0P	1.50
5073-487-001-080	HSK63A x MCK1 - 80	112	80	49	15	11	19	M4 x 0.5P	1.20
5073-487-001-095	HSK63A x MCK1 - 95	127	95	64	18	11	19	M4 x 0.5P	1.25
5073-487-002-080	HSK63A x MCK2 - 80	112	80	44	18.5	14	23.5	M5 x 0.5P	1.30
5073-487-002-110	HSK63A x MCK2 - 110	142	110	79	18.5	14	23.5	M5 x 0.5P	1.35
5073-487-003-090	HSK63A x MCK3 - 90	122	90	59	24	18	31	M6 x 0.75P	1.40
5073-487-003-125	HSK63A x MCK3 - 125	157	125	94	24	18	31	M6 x 0.75P	1.45
5073-487-004-080	HSK63A x MCK4 - 80	112	80	49	28	22	39	M8 x 0.75P	1.50
5073-487-004-110	HSK63A x MCK4 - 110	142	110	79	28	22	39	M8 x 0.75P	1.55
5073-487-005-095	HSK63A x MCK5 - 95	127	95	67.5	35	28	50	M10 x 1.0P	1.60
5073-487-005-110	HSK63A x MCK5 - 110	142	110	82.5	35	28	50	M10 x 1.0P	1.65
5073-487-006-070	HSK63A x MCK6 - 70	102	70	43.5	42	36	63	M12 x 1.0P	1.70
5073-487-006-095	HSK63A x MCK6 - 95	127	95	68.5	42	36	63	M12 x 1.0P	1.75

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

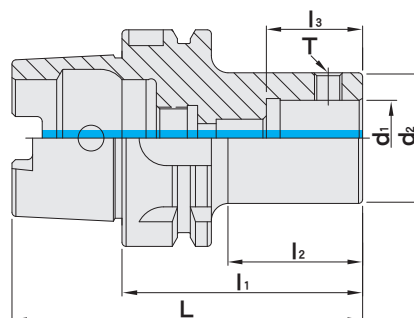
SMU	SCK	SBJ	SMB	Extension Spacer	Coolant Supply Unit	Key For Coolant Supply Unit
						
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-70	P.X-70



HSK / MCK BORING HEAD SHANK

HSK / MCK 搪孔刀桿

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5075-487-001-100	HSK100A x MCK1 - 100	150	100	61	18	11	19	M4 x 0.5P	2.07
5075-487-002-075	HSK100A x MCK2 - 75	125	75	36	18.5	14	23.5	M5 x 0.5P	2.09
5075-487-002-115	HSK100A x MCK2 - 115	165	115	76	18.5	14	23.5	M5 x 0.5P	2.18
5075-487-003-060	HSK100A x MCK3 - 60	110	60	21	24	18	31	M6 x 0.75P	2.15
5075-487-003-125	HSK100A x MCK3 - 125	175	15	86	24	18	31	M6 x 0.75P	2.47
5075-487-004-070	HSK100A x MCK4 - 70	120	70	31	28	22	39	M8 x 0.75P	2.34
5075-487-004-120	HSK100A x MCK4 - 120	170	120	86	28	22	39	M8 x 0.75P	2.76
5075-487-005-070	HSK100A x MCK5 - 70	120	70	31	35	28	50	M10 x 1.0P	2.60
5075-487-005-110	HSK100A x MCK5 - 110	160	110	76	35	28	50	M10 x 1.0P	3.17
5075-487-006-075	HSK100A x MCK6 - 75	125	75	41	42	36	63	M12 x 1.0P	3.02
5075-487-006-100	HSK100A x MCK6 - 100	150	100	66	42	36	63	M12 x 1.0P	3.60
5075-487-007-123	HSK100A x MCK7 - 123	173	123	93	52	46	90	M20 x 1.5P	4.00
5075-487-007-273	HSK100A x MCK7 - 273	323	273	228	52	46	90	M20 x 1.5P	5.00
5076-487-006-094	HSK125A x MCK6 - 94	157	94	50	42	36	63	M12 x 1.0P	4.70
5076-487-007-123	HSK125A x MCK7 - 123	186	123	84	52	46	90	M20 x 1.5P	7.20

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

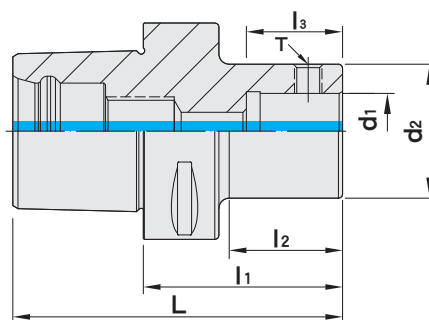
SMU	SCK	SBJ	SMB	SRW	SMB	EXTENSION SPACER	Coolant Supply Unit	Key For Coolant Supply Unit
								
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-70	P.X-70

PSC / MCK BORING HEAD SHANK

PSC / MCK 搪孔刀桿



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5141-487-001-048	PSC40 x MCK1 - 48	72	48	22.5	18	11	19	M4 x 0.5P	0.40
5141-487-002-045	PSC40 x MCK2 - 45	69	45	19.5	18.5	14	24	M5 x 0.5P	0.40
5141-487-003-040	PSC40 x MCK3 - 40	64	40	17	24	18	31	M6 x 0.75P	0.50
5141-487-004-033	PSC40 x MCK4 - 33	57	33	12.5	28	22	39	M8 x 0.75P	0.50
5142-487-001-073	PSC50 x MCK1 - 73	103	73	47.5	18	11	19	M4 x 0.5P	0.50
5142-487-002-085	PSC50 x MCK2 - 85	115	85	60.5	18.5	14	24	M5 x 0.5P	0.60
5142-487-003-055	PSC50 x MCK3 - 55	85	55	30	24	18	31	M6 x 0.75P	0.60
5142-487-003-080	PSC50 x MCK3 - 80	110	80	55	24	18	31	M6 x 0.75P	0.70
5142-487-004-048	PSC50 x MCK4 - 48	78	48	23	28	22	39	M8 x 0.75P	0.60
5142-487-004-073	PSC50 x MCK4 - 73	103	73	48	28	22	39	M8 x 0.75P	0.70
5142-487-005-050	PSC50 x MCK5 - 50	80	50	30	35	28	50	M10 x 1.0P	0.60
5142-487-005-083	PSC50 x MCK5 - 83	113	83	63	35	28	50	M10 x 1.0P	1.30
5142-487-006-050	PSC50 x MCK6 - 50	80	50	30	42	36	63	M12 x 1.0P	1.00
5143-487-001-078	PSC63 x MCK1 - 78	116	78	44	18	11	19	M4 x 0.5P	1.20
5143-487-002-090	PSC63 x MCK2 - 90	128	90	53	18.5	14	24	M5 x 0.5P	1.30
5143-487-003-065	PSC63 x MCK3 - 65	103	65	38	24	18	31	M6 x 0.75P	1.30
5143-487-003-100	PSC63 x MCK3 - 100	138	100	73	24	18	31	M6 x 0.75P	1.50
5143-487-004-058	PSC63 x MCK4 - 58	96	58	31	28	22	39	M8 x 0.75P	1.30
5143-487-004-093	PSC63 x MCK4 - 93	131	93	66	28	22	39	M8 x 0.75P	1.70
5143-487-005-048	PSC63 x MCK5 - 48	86	48	22	35	28	50	M10 x 1.0P	1.30
5143-487-005-083	PSC63 x MCK5 - 83	121	83	57	35	28	50	M10 x 1.0P	1.70
5143-487-006-059	PSC63 x MCK6 - 59	97	59	37	42	36	63	M12 x 1.0P	1.60
5143-487-006-094	PSC63 x MCK6 - 94	132	94	72	42	36	63	M12 x 1.0P	2.30

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

- ▶ The pre-balance reaches G6.3 5,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

SMU	SCK	SBJ	SMB	Extension Spacer	Coolant Supply unit	Key
						
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-46	P.X-70	P.X-70

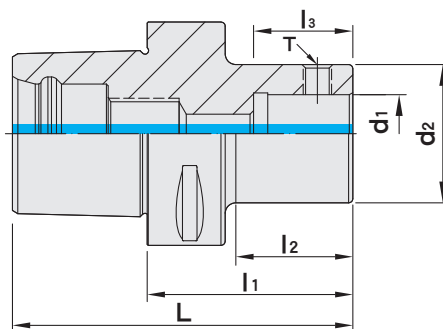


PSC / MCK BORING HEAD SHANK

PSC / MCK 搪孔刀桿



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
5144-487-001-103	PSC80 x MCK1 - 103	151	103	68	18	11	19	M4 x 0.5P	2.60
5144-487-002-115	PSC80 x MCK2 - 115	163	115	80	18.5	14	23.5	M5 x 0.5P	2.70
5144-487-003-125	PSC80 x MCK3 - 125	173	125	90	24	18	31	M6 x 0.75P	2.90
5144-487-004-118	PSC80 x MCK4 - 118	166	118	83	28	22	39	M8 x 0.75P	3.10
5144-487-004-178	PSC80 x MCK4 - 178	226	178	138	28	22	39	M8 x 0.75P	3.70
5144-487-005-108	PSC80 x MCK5 - 108	156	108	73	35	28	50	M10 x 1.0P	3.50
5144-487-005-183	PSC80 x MCK5 - 183	231	183	143	35	28	50	M10 x 1.0P	4.60
5144-487-006-074	PSC80 x MCK6 - 74	122	74	39	42	36	63	M12 x 1.0P	3.20
5144-487-006-169	PSC80 x MCK6 - 169	217	169	134	42	36	63	M12 x 1.0P	5.80
5144-487-007-073	PSC80 x MCK7 - 73	121	73	38	52	46	90	M20 x 1.5P	5.00
5144-487-007-123	PSC80 x MCK7 - 123	171	123	88	52	46	90	M20 x 1.5P	8.40

Features:

- ▶ Internal tolerance is H6.
- ▶ Center through coolant supply is available.

Product information:

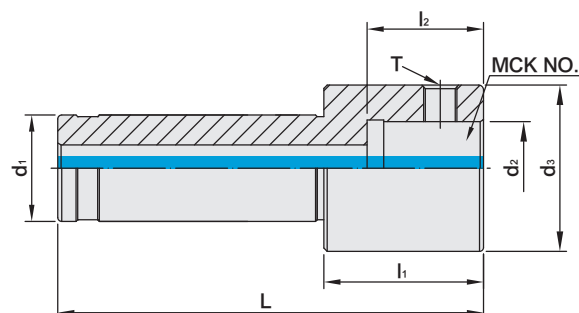
- ▶ The pre-balance reaches G6.3 5,000rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

SMU	SCK	SBJ	SMB	SRW	SMB	Extension Spacer	Coolant Supply unit	Key
P.R-3	P.R-4	P.R-5	P.R-13~14	P.R-15	P.R-17	P.R-46	P.X-70	P.X-70

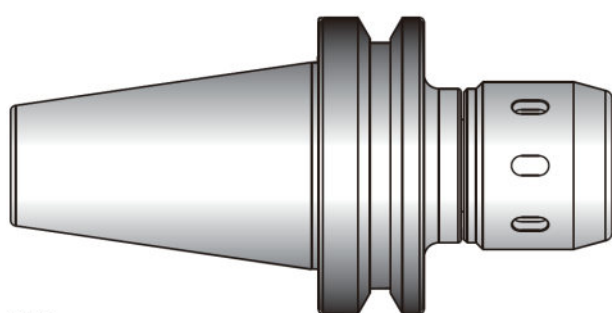


STRAIGHT SHANK MCK BORING HEAD SHANK

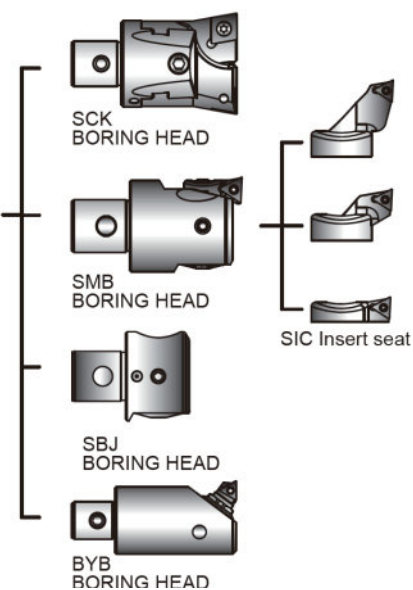
直柄 MCK 搪孔刀桿



MODEL NO.	TYPE	MCK NO.	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5272-487-03201-077	C32 x MCK1 - 77	MCK1	157	77	18	32	11	19	M4 x 0.5P	0.70
5272-487-03202-073	C32 x MCK2 - 72.5	MCK2	152.5	72.5	18.5	32	14	24	M5 x 0.5P	0.70
5272-487-03203-069	C32 x MCK3 - 69	MCK3	149	69	24	32	18	31	M6 x 0.75P	0.80
5272-487-03204-058	C32 x MCK4 - 58	MCK4	138	58	28	32	22	39	M8 x 0.75P	0.90
5272-487-03205-048	C32 x MCK5 - 48	MCK5	128	48	35	32	28	50	M10 x 1.0P	0.90
5272-487-03206-059	C32 x MCK6 - 59	MCK6	139	59	42	32	36	63	M12 x 1.0P	1.50
5272-487-04201-077	C42 x MCK1 - 77	MCK1	157	77	18	42	11	19	M4 x 0.5P	1.00
5272-487-04202-073	C42 x MCK2 - 72.5	MCK2	152.5	72.5	18.5	42	14	24	M5 x 0.5P	1.00
5272-487-04203-069	C42 x MCK3 - 69	MCK3	149	69	24	42	18	31	M6 x 0.75P	1.10
5272-487-04204-058	C42 x MCK4 - 58	MCK4	138	58	28	42	22	39	M8 x 0.75P	1.20
5272-487-04205-048	C42 x MCK5 - 48	MCK5	128	48	35	42	28	50	M10 x 1.0P	1.30
5272-487-04206-059	C42 x MCK6 - 59	MCK6	139	59	42	42	36	63	M12 x 1.0P	1.80



MLD
MULTI - LOCK MILLING CHUCK



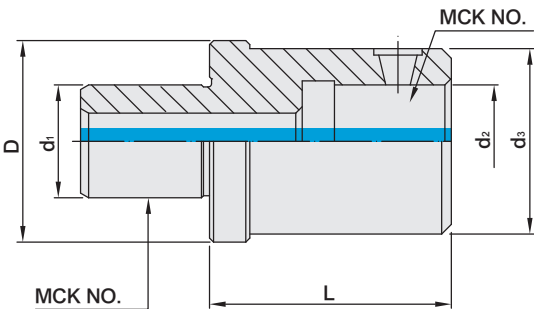
Features:

- ▶ Shank tolerance: h6
- ▶ Internal hole tolerance: H6
- ▶ Used with MLD Milling Chuck and suitable for high rigidity processing.
- ▶ Suitable for combining with Rough and Finish Boring Head series.



MCK EXTENSION SPACER

MCK 搪孔頭延長桿

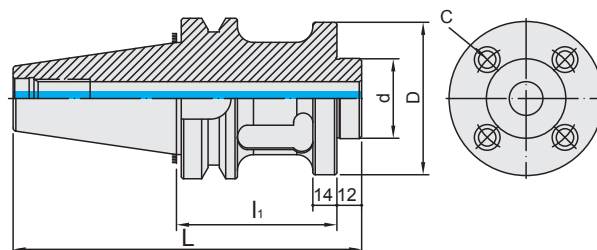


MODEL NO.	TYPE	L	D	d ₁	d ₂	d ₃	WEIGHT (KGS)
5272-487-00101-030	MCK1 - 1 - 30	30	-	11	11	19	0.20
5272-487-00202-030	MCK2 - 2 - 30	30	-	14	14	24	0.30
5272-487-00302-037	MCK3 - 2 - 37	37	31	18	14	24	0.34
5272-487-00303-030	MCK3 - 3 - 30	30	-	18	18	31	0.32
5272-487-00402-050	MCK4 - 2 - 50	50	39	22	14	24	0.60
5272-487-00403-050	MCK4 - 3 - 50	50	39	22	18	31	0.56
5272-487-00404-045	MCK4 - 4 - 45	45	-	22	22	39	0.52
5272-487-00502-054	MCK5 - 2 - 54	54	49	28	14	24	0.72
5272-487-00503-047	MCK5 - 3 - 47	47	49	28	18	31	0.70
5272-487-00504-042	MCK5 - 4 - 42	42	49	28	22	39	0.65
5272-487-00505-060	MCK5 - 5 - 60	60	-	28	28	50	0.60
5272-487-00602-063	MCK6 - 2 - 63	63	64	36	14	24	1.50
5272-487-00603-056	MCK6 - 3 - 56	56	64	36	18	31	1.30
5272-487-00604-051	MCK6 - 4 - 51	51	64	36	22	39	1.10
5272-487-00605-041	MCK6 - 5 - 41	41	64	36	28	50	1.05
5272-487-00606-060	MCK6 - 6 - 60	60	-	36	36	63	0.95



PRECISION BORING HEAD SHANK

BST 搪孔刀桿



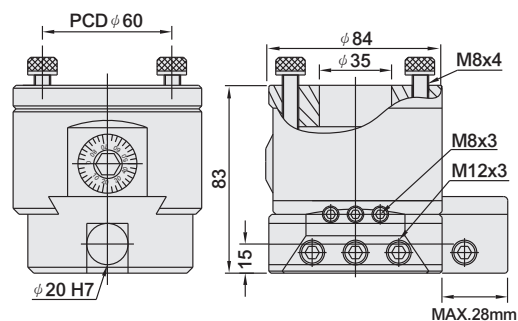
MODEL NO.	TYPE	L	l ₁	D	d h7	C	WEIGHT (KGS)
5012-034-050-100	BT50 x BST - 100	208.8	100	95	50	72	5.65
5012-034-050-150	BT50 x BST - 150	258.8	150	95	50	72	4.00
5012-034-050-200	BT50 x BST - 200	308.8	200	95	50	72	8.75
5012-034-050-250	BT50 x BST - 250	358.8	250	95	50	72	9.76
5012-034-050-300	BT50 x BST - 300	408.8	300	95	50	72	11.5
5012-034-050-350	BT50 x BST - 350	458.8	350	95	50	72	12.8
5052-034-050-150	DAT50 x BST - 150	258.75	150	95	50	72	4.00
5052-034-050-200	DAT50 x BST - 200	308.75	200	95	50	72	8.75
5052-034-050-250	DAT50 x BST - 250	358.75	250	95	50	72	9.76

SRW	SMB	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
				
P.R-16	P.R-18	P.X-64~65、67	P.X-73、77	P.X-78



NBH BORING HEAD

NBH 高精密搪孔頭



MODEL NO.	TYPE	BORING CAPACITY	BODY DIA	STROKE	MIN FEED	TOOLING DIA	BODY LENGTH	WEIGHT (KGS)
405-001-2084-000	NBH - 2084	8 - 280 mm	84	28	0.01	$\phi 20$	83	2.75

Features:

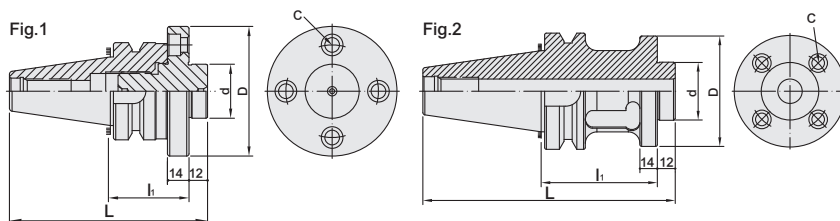
- ▶ Each increment 0.005mm.
- ▶ Boring range 8mm ~ 280mm.

Product information:

- ▶ Can choose the shank for boring head fit for the machine spindle.
- ▶ Boring head only, not including shank and cutter.

PRECISION BT BORING HEAD SHANK

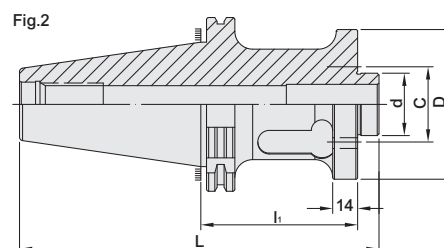
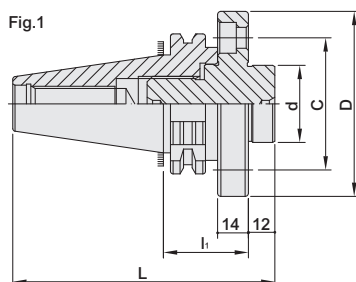
BT / NBH 搪孔刀桿



MODEL NO.	TYPE	L	l_1	D	d_{h7}	C	Fig.	WEIGHT (KGS)
5010-495-020-042	BT30 x NBH2084A - 42	124.4	42	84	35	60	1	1.70
5011-495-020-051	BT40 x NBH2084A - 51	155.4	51	84	35	60	1	1.70
5012-495-020-057	BT50 x NBH2084A - 57	170.8	57	84	35	60	1	3.50
5010-495-020-100	BT30 x NBH2084B - 100	160.4	100	84	35	60	2	1.90
5011-495-020-100	BT40 x NBH2084B - 100	177.4	100	84	35	60	2	2.00
5012-495-020-100	BT50 x NBH2084B - 100	213.8	100	84	35	60	2	4.00
5012-495-020-165	BT50 x NBH2084B - 165	278.8	165	84	35	60	2	4.50

PRECISION DAT BORING HEAD SHANK

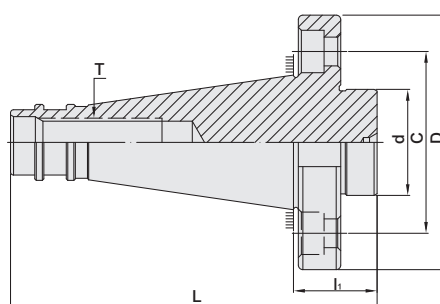
DAT / NBH 搪孔刀桿



MODEL NO.	TYPE	L	l ₁	D	d h7	C	Fig.	WEIGHT (KGS)
5050-495-020-035	DAT30 x NBH2084A - 35	94.8	35	84	35	60	1	1.70
5051-495-020-035	DAT40 x NBH2084A - 35	115.4	35	84	35	60	1	1.70
5052-495-020-035	DAT50 x NBH2084A - 35	148.75	35	84	35	60	1	3.50
5050-495-020-100	DAT30 x NBH2084B - 100	159.8	100	84	35	60	2	1.90
5051-495-020-100	DAT40 x NBH2084B - 100	180.4	100	84	35	60	2	2.00
5052-495-020-100	DAT50 x NBH2084B - 100	213.75	100	84	35	60	2	4.00

PRECISION BORING HEAD SHANK

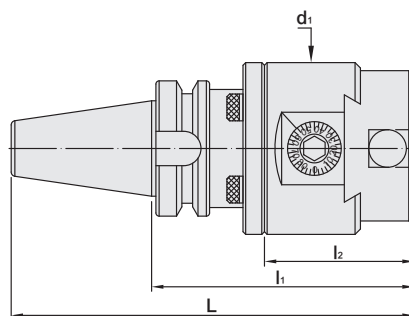
搪孔刀桿



MODEL NO.	TYPE	L	l ₁	D	d	C	T DRAW BAR		WEIGHT (KGS)
5272-495-03220-014	C32 x NBH2084 - 14	95	14	84	35	60	-	-	1.10
5178-495-201/5-031	MTB3 x NBH2084 - 31	112	31	84	35	60	M12 x 1.75P	1/2" - 12	1.00
5179-495-201/5-033	MTB4 x NBH2084 - 32.5	135	32.5	84	35	60	M16 x 2.0P	5/8" - 11	1.30
5180-495-201/5-033	MTB5 x NBH2084 - 32.5	162	32.5	84	35	60	M24 x 3.0P	1" - 8	2.30
5120-495-201/5-028	NT30 x NBH2084 - 27.6	96	27.6	84	35	60	M12 x 1.75P	1/2" - 12	0.80
5121-495-201/5-028	NT40 x NBH2084 - 27.6	121	27.6	84	35	60	M16 x 2.0P	5/8" - 11	1.20
5122-495-201/5-041	NT50 x NBH2084 - 41.2	168	41.2	84	35	60	M24 x 3.0P	1" - 8	3.50
5272-S19-03216-055	C32 x SBJ16 - 55	135	55	63	36	M12	-	-	1.20
5272-S19-04216-055	C42 x SBJ16 - 55	135	55	63	36	M12	-	-	1.60
5120-S19-161/5-060	NT30 x SBJ16 - 60	128.4	60	62	36	M12	M12 x 1.75P	1/2" - 12	1.10
5121-S19-161/5-055	NT40 x SBJ16 - 55	148.4	55	62	36	M12	M16 x 2.0P	5/8" - 11	1.20
5122-S19-161/5-085	NT50 x SBJ16 - 85	211.8	85	62	36	M12	M24 x 3.0P	1" - 8	3.70

PRECISION BORING HEAD SHANK SET

高精密搪孔組



MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
5011-495-020-125	BT40 x NBH2084	8 ~ 280	200.4	125	83	84	4.60
5012-495-020-171	BT50 x NBH2084	8 ~ 280	242.8	171	83	84	7.50
5051-495-020-118	DAT40 x NBH2084	8 ~ 280	186.4	118	83	84	4.60
5052-495-020-118	DAT50 x NBH2084	8 ~ 280	219.75	118	83	84	7.30
5272-495-03220-100	C32 x NBH2084	8 ~ 280	180	100	83	84	3.90
5178-495-201/5-100	MTB3 x NBH2084	8 ~ 280	181	100	83	84	3.80
5179-495-201/5-100	MTB4 x NBH2084	8 ~ 280	202.5	100	83	84	4.00
5180-495-201/5-100	MTB5 x NBH2084	8 ~ 280	229.5	100	83	84	5.10
5120-495-201/5-100	NT30 x NBH2084	8 ~ 280	168.4	100	83	84	3.60
5121-495-201/5-100	NT40 x NBH2084	8 ~ 280	193.4	100	83	84	4.00
5122-495-201/5-115	NT50 x NBH2084	8 ~ 280	226.8	115	83	84	6.30

Features:

- Contains shank and boring head, but without boring cutters.

BORING HEAD FULL SET

PRECISION

BT / NBH 高精密 套裝搪孔頭



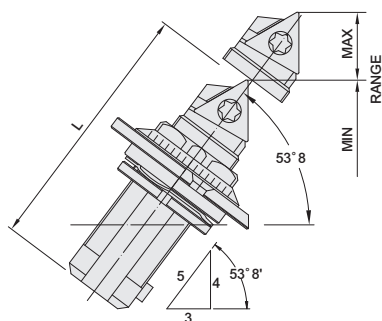
MODEL NO.	TYPE	BORING CAPACITY	BORING CUTTER W/O INSERTS	WRENCH
5366-011-495-020-001	BT40 x NBH2084	8 ~ 280	SBJ-2010-40 / SBJ-2020-83 / SBJ-20-20L	3
5366-012-495-020-001	BT50 x NBH2084	8 ~ 280		3
5366-011-495-020-002	BT40 x NBH2084	8 ~ 280	SBJ-2008-32 / SBJ-2010-40 / SBJ-2012-53 SBJ-2016-68 / SBJ-2020-83 / SBJ-2025-96 SBJ-2030-115 / SBJ-20-20L	3
5366-012-495-020-002	BT50 x NBH2084	8 ~ 280		3



BYB BORING HEAD

MICROMETER ADJUSTABLE

BYB 微切削搪孔頭



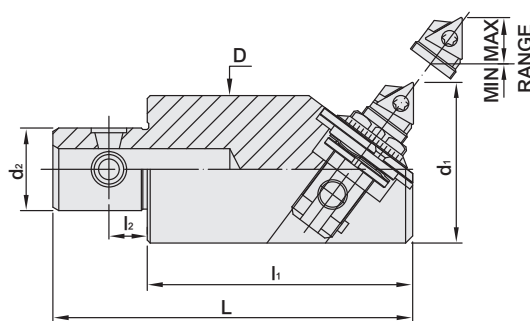
MODEL NO.	TYPE	RANGE		L	INSERT	SCREW	WRENCH	BYB BORING HEAD TYPE	WEIGHT (KGS)
		MIN.	MAX.						
5158-7019-02-00	M2 - 19	19	22.5	20.7	TB..0601	M2-3.8-2.68-43	T6	M2 - 19	0.06
5158-7022-02-00	M2 - 22	22	29.5	23.5	TB..0601	M2-3.8-2.68-43	T6	M2 - 19	0.06
5158-7029-02-00	M3 - 29	29	41	31	TB..0601	M2-5.0-2.7-60	T6	M2 - 19	0.07
5158-7038-02-00	M5 - 38	38	50	40	TP..1103	M2.5-7.5-4.3-60	T8	M2 - 22	0.08
5158-7048-02-00	M5 - 48	48	65	47.7	TP..1103	M2.5-7.5-4.3-60	T8	M2 - 22	0.10
5158-7062-02-00	M7 - 62	62	90	63.5	TP..16T3	M4-10-5.0-43	T15	M3 - 29	0.20

Product information:

- ▶ For the body of boring head, please refer to BYB FINISH BORING HEAD BODY.
- ▶ Inserts are optional accessories. Need to be purchased additionally.

BYB FINISH BORING HEAD BODY

直柄BYB 微切削搪孔刀桿



MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	d ₁		d ₂	L	l ₁	l ₂	D	WEIGHT (KGS)
			MIN.	MAX.						
5158-7019-01-00	BYB19	MCK1	19	22.5	11	51	35	4.75	18	0.36
5158-7022-01-00	BYB22	MCK1	22	29.5	11	51	35	4.75	20	0.36
5158-7029-01-00	BYB29	MCK2	29	41	14	61	45	6.5	25	0.37
5158-7038-01-00	BYB38	MCK3	38	50	18	90	70	7.7	35	0.41
5158-7048-01-00	BYB48	MCK4	48	65	22	84	60	7.7	41	0.59
5158-7062-01-00	BYB62	MCK5	62	90	28	110	80	12.7	54	0.70
5158-7082-01-00	BYB82	MCK6	82	110	36	150	110	15.7	67	1.05

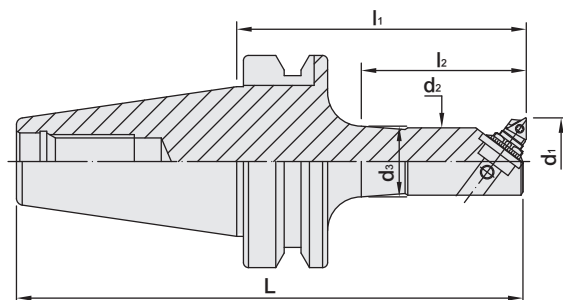
Product information:

- ▶ Only contains the body, not including BYB Micrometer Adjustable Boring Head.
- ▶ Inserts are optional accessories. Need to be purchased additionally.

BT / BYB BORING HEAD SHANK

MICROMETER ADJUSTABLE

BT / BYB 微切削搪孔刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁		d ₂	d ₃	WEIGHT (KGS)
					MIN.	MAX.			
5010-033-019-090	BT30 x BYB19 - 90	138.4	90	63	19	22.5	18	18	0.70
5010-033-022-105	BT30 x BYB22 - 105	153.4	105	78	22	29.5	20	20	0.70
5010-033-029-120	BT30 x BYB29 - 120	168.4	120	95	29	41	25	25	0.90
5010-033-038-120	BT30 x BYB38 - 120	168.4	120	95	38	50	35	35	1.40
5010-033-048-120	BT30 x BYB48 - 120	168.4	120	95	48	65	41	41	2.10
5011-033-019-120	BT40 x BYB19 - 120	185.4	120	83	19	22.5	18	18	1.50
5011-033-022-135	BT40 x BYB22 - 135	200.4	135	98	22	29.5	20	21	1.50
5011-033-029-150	BT40 x BYB29 - 150	215.4	150	116	29	41	25	27	1.50
5011-033-029-180	BT40 x BYB29 - 180	245.4	180	146	29	41	25	27	2.00
5011-033-038-150	BT40 x BYB38 - 150	215.4	150	113	38	50	35	36	1.80
5011-033-038-210	BT40 x BYB38 - 210	275.4	210	173	38	50	35	36	2.20
5011-033-048-150	BT40 x BYB48 - 150	215.4	150	113	48	65	41	46	2.10
5011-033-048-210	BT40 x BYB48 - 210	275.4	210	173	48	65	41	46	2.30
5011-033-062-150	BT40 x BYB62 - 150	215.4	150	123	62	90	54	60	2.90
5011-0330-062210	BT40 x BYB62 - 210	275.4	210	183	62	90	54	60	3.60
5012-033-019-135	BT50 x BYB19 - 135	236.8	135	85	19	22.5	18	18	3.80
5012-033-022-150	BT50 x BYB22 - 150	251.8	150	100	22	29.5	20	21	3.90
5012-033-029-150	BT50 x BYB29 - 150	251.8	150	100	29	41	25	27	4.50
5012-033-029-180	BT50 x BYB29 - 180	281.8	180	130	29	41	25	27	4.60
5012-033-038-165	BT50 x BYB38 - 165	266.8	165	115	38	50	35	36	4.50
5012-033-038-225	BT50 x BYB38 - 225	326.8	225	175	38	50	35	36	5.00
5012-033-048-165	BT50 x BYB48 - 165	266.8	165	122	48	65	41	40	5.20
5012-033-048-210	BT50 x BYB48 - 210	311.8	210	160	48	65	41	46	5.50
5012-033-048-255	BT50 x BYB48 - 255	356.8	255	205	48	65	41	46	5.70
5012-033-062-180	BT50 x BYB62 - 180	281.8	180	130	62	90	54	53	7.00
5012-033-062-240	BT50 x BYB62 - 240	341.8	240	185	62	90	54	60	7.60
5012-033-062-330	BT50 x BYB62 - 330	431.8	330	280	62	90	54	60	9.50

Features:

- ▶ One division for adjustment is 40μm on diameter.
- ▶ One-piece type BT/BYB Boring Head Shank is attached with BYB Boring Head with delivery.
- ▶ Inserts: TB..and TP.. need to be purchased separately.

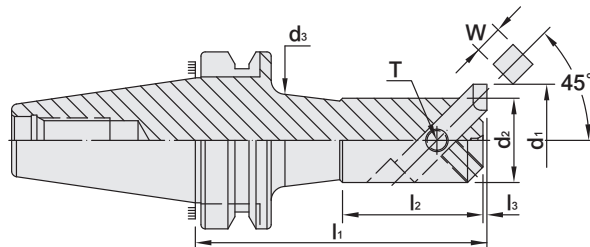
BYB Boring Head	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
			
P.R-52	P.X-64~65	P.X-73、77	P.X-78



BT SQUARE CUTTER BORING BAR

TYPE : 45°

45° 粗搪孔刀桿



MODEL NO.	TYPE	l ₁	l ₂	l ₃	d ₁		d ₂	d ₃	W	T	WEIGHT (KGS)
					MIN.	MAX.					
5011-031-025-120	BT40 x BSA25 - 120	120	35	1	25	38	20	22	8	M6	1.20
5011-031-030-150	BT40 x BSA30 - 150	150	40	1.6	30	42	24	26	8	M6	1.40
5011-031-038-165	BT40 x BSA38 - 165	165	50	2.6	38	52	30	33	10	M8	1.70
5011-031-042-165	BT40 x BSA42 - 165	165	50	2.6	42	56	34	37	10	M8	2.00
5011-031-050-165	BT40 x BSA50 - 165	165	65	3	50	65	40	44	13	M10	2.30
5011-031-062-180	BT40 x BSA62 - 180	180	80	2	62	90	50	56	16	M10	3.40
5011-031-072-180	BT40 x BSA72 - 180	180	149	2.4	72	110	60	-	19	M10	3.90
5011-031-090-180	BT40 x BSA90 - 180	180	60	4	90	125	75	-	19	M12	5.20
5012-031-025-135	BT50 x BSA25 - 135	135	35	1	25	38	20	22	8	M6	4.20
5012-031-030-165	BT50 x BSA30 - 165	165	40	1.6	30	42	24	26	8	M6	4.40
5012-031-038-180	BT50 x BSA38 - 180	180	50	2.6	38	52	30	33	10	M8	4.80
5012-031-042-210	BT50 x BSA42 - 210	210	50	2.6	42	56	34	37	10	M8	5.00
5012-031-050-180	BT50 x BSA50 - 180	180	65	3	50	65	40	44	13	M10	5.40
5012-031-050-240	BT50 x BSA50 - 240	240	65	3	50	65	40	44	13	M10	5.70
5012-031-062-195	BT50 x BSA62 - 195	195	80	2	62	90	50	56	16	M10	6.20
5012-031-062-270	BT50 x BSA62 - 270	270	80	2	62	90	50	56	16	M10	7.60
5012-031-072-195	BT50 x BSA72 - 195	195	95	2.4	72	110	60	66	19	M10	7.00
5012-031-072-285	BT50 x BSA72 - 285	285	95	2.4	72	110	60	66	19	M10	9.30
5012-031-090-210	BT50 x BSA90 - 210	210	110	4	90	125	75	80	19	M12	9.20
5012-031-090-300	BT50 x BSA90 - 300	300	110	4	90	125	75	80	19	M12	12.3
5012-031-105-195	BT50 x BSA105 - 195	195	153	3	105	160	90	-	25	M12	10.7
5012-031-105-285	BT50 x BSA105 - 285	285	130	3	105	160	90	94	25	M12	15.0
5012-031-130-255	BT50 x BSA130 - 255	255	120	3	130	190	110	-	25	M12	14.5

Features:

- Used for boring blind holes.
- Workable with square shanks of brazed boring bars or indexable boring bars.
- SBS Indexable boring bars and CBS Indexable boring bars need to be purchased separately.

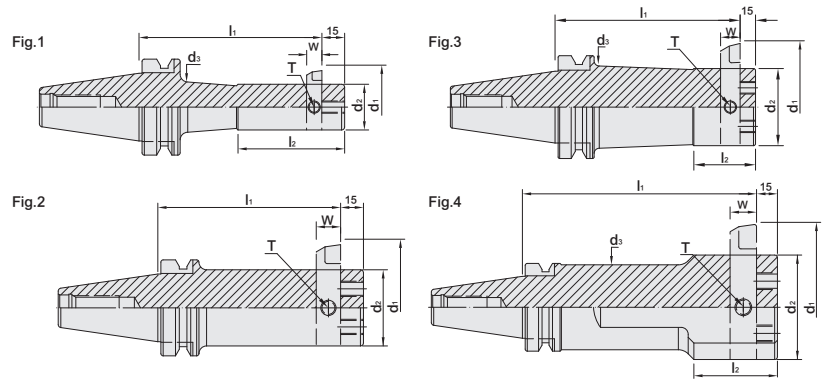
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-64~65	P.X-73、77	P.X-78



BT SQUARE CUTTER BORING BAR

TYPE : 90°

90° 粗搪孔刀桿



MODEL NO.	TYPE	l ₁	l ₂	d ₁		d ₂	d ₃	W	T	Fig	WEIGHT (KGS)
				MIN.	MAX.						
5011-032-025-135	BT40 x BSB25 - 135	135	50	25	52	20	22	8	M6	1	1.30
5011-032-038-150	BT40 x BSB38 - 150	150	70	38	70	30	33	10	M8	1	2.00
5011-032-050-165	BT40 x BSB50 - 165	165	85	50	90	40	44	13	M10	1	2.50
5011-032-062-180	BT40 x BSB62 - 180	180	95	62	115	50	-	16	M10	3	3.70
5011-032-072-180	BT40 x BSB72 - 180	180	-	72	135	60	-	19	M10	2	4.70
5011-032-090-180	BT40 x BSB90 - 180	180	60	90	150	75	61	19	M12	4	5.20
5012-032-025-135	BT50 x BSB25 - 135	135	50	25	52	20	22	8	M6	1	4.20
5012-032-038-180	BT50 x BSB38 - 180	180	70	38	70	30	33	10	M8	1	4.90
5012-032-050-180	BT50 x BSB50 - 180	180	85	50	90	40	44	13	M10	1	5.50
5012-032-050-240	BT50 x BSB50 - 240	240	85	50	90	40	44	13	M10	1	5.80
5012-032-062-195	BT50 x BSB62 - 195	195	-	62	115	50	-	16	M10	2	6.40
5012-032-062-270	BT50 x BSB62 - 270	270	-	62	115	50	-	16	M10	2	7.80
5012-032-072-195	BT50 x BSB72 - 195	195	-	72	135	60	-	19	M12	2	7.30
5012-032-072-285	BT50 x BSB72 - 285	285	-	72	135	60	-	19	M12	2	9.60
5012-032-090-210	BT50 x BSB90 - 210	210	60	90	150	75	80	19	M12	3	9.70
5012-032-090-300	BT50 x BSB90 - 300	300	60	90	150	75	80	19	M12	3	12.8
5012-032-105-195	BT50 x BSB105 - 195	195	-	105	190	90	-	25	M12	2	11.4
5012-032-105-285	BT50 x BSB105 - 285	285	-	105	190	90	-	25	M12	2	15.7
5012-032-130-255	BT50 x BSB130 - 255	255	75	130	260	110	98	25	M12	4	14.1

Features:

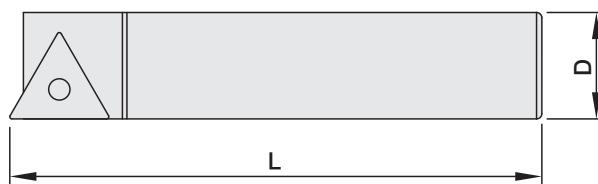
- Used for boring through holes.
- Workable with square shanks of brazed boring bars or indexable boring bars.
- SBS Indexable boring bars and CBS Indexable boring bars need to be purchased separately.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-64~65	P.X-73、77	P.X-78



THROW AWAY BORING CUTTER

SBS 捨棄式搪孔刀



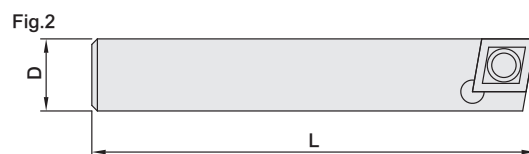
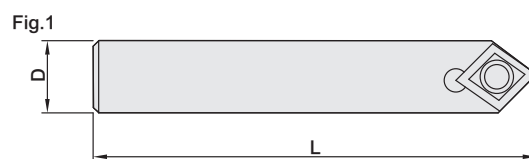
MODEL NO.	TYPE	D	L	ANGLE	INSERTS	SCREW	WRENCH	TORQUE (N.m)	WEIGHT (KGS)
403-001-308-000-1	SBS - 308	8	55	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
403-001-310-000-1	SBS - 310	10	65	30°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
403-001-313-000-1	SBS - 313	13	80	30°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.11
403-001-316-000-1	SBS - 316	16	120	30°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.24
403-001-319-000-1	SBS - 319	19	140	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
403-001-325-000-1	SBS - 325	25	150	30°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
403-001-408-000-1	SBS - 408	8	55	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
403-001-410-000-1	SBS - 410	10	65	45°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
403-001-413-000-1	SBS - 413	13	80	45°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.11
403-001-416-000-1	SBS - 416	16	120	45°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.24
403-001-419-000-1	SBS - 419	19	140	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
403-001-425-000-1	SBS - 425	25	150	45°	TP.1603	M4-10-5.0-43	T15	3.0	0.74
403-001-908-000-1	SBS - 908	8	55	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.04
403-001-910-000-1	SBS - 910	10	65	90°	TP.0902	M2.5-6.0-3.5-60	T8	1.2	0.06
403-001-913-000-1	SBS - 913	13	80	90°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.11
403-001-916-000-1	SBS - 916	16	120	90°	TP.1103	M3-8.0-4.0-43	T8	1.4	0.24
403-001-919-000-1	SBS - 919	19	140	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.40
403-001-925-000-1	SBS - 925	25	150	90°	TP.1603	M4-10-5.0-43	T15	3.0	0.74

Product information:

- Inserts are optional accessories. Needs to be purchased additionally.

THROW AWAY BORING CUTTER

CBS 捨棄式搪孔刀



MODEL NO.	TYPE	D	L	ANGLE	INSERTS	SCREW	WRENCH	TORQUE (N.m)	Fig.	WEIGHT (KGS)
403-002-308-000-1	CBS - 308	8	55	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
403-002-310-000-1	CBS - 310	10	65	30°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.06
403-002-313-000-1	CBS - 313	13	80	30°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
403-002-316-000-1	CBS - 316	16	120	30°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.27
403-002-319-000-1	CBS - 319	19	140	30°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
403-002-408-000-1	CBS - 408	8	55	45°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
403-002-410-000-1	CBS - 410	10	65	45°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.06
403-002-413-000-1	CBS - 413	13	80	45°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
403-002-416-000-1	CBS - 416	16	120	45°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.27
403-002-419-000-1	CBS - 419	19	140	45°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
403-002-908-000-1	CBS - 908	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.04
403-002-910-000-1	CBS - 910	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	1	0.06
403-002-913-000-1	CBS - 913	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.12
403-002-916-000-1	CBS - 916	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	1	0.27
403-002-919-000-1	CBS - 919	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	1	0.41
403-002-908-001-1	CBS - 908L	8	55	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	2	0.04
403-002-910-001-1	CBS - 910L	10	65	90°	CC..0602	M2.5-6.0-3.5-60	T8	1.4	2	0.06
403-002-913-001-1	CBS - 913L	13	80	90°	CC..09T3	M4-10-5.7-60	T15	2.0	2	0.12
403-002-916-001-1	CBS - 916L	16	120	90°	CC..09T3	M4-10-5.7-60	T15	2.0	2	0.27
403-002-919-001-1	CBS - 919L	19	140	90°	CC..1204	M5-11-7.5-60	T20	3.0	2	0.41

Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



MEMO

