

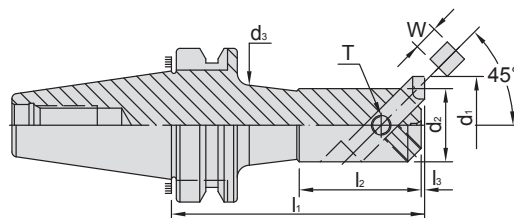


BORING SERIES

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SYIC-17200

45° 粗搪孔刀柄



For standard usage



SBS



P.146

CBS



P.147

- Used for boring blind holes.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.

- Suitable for square cutting tools.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE d ₁ - l ₁	d ₁		d ₂	d ₃	W	T	WEIGHT (KGS)
		MIN.	MAX					
SYIC - 17201	BT40 x BSA25 - 120	25	38	20	22	8	M6	1.2
SYIC - 17202	BT40 x BSA30 - 150	30	42	24	26			1.4
SYIC - 17203	BT40 x BSA38 - 165	38	52	30	33	10	M8	1.7
SYIC - 17204	BT40 x BSA42 - 165	42	56	34	37			2.0
SYIC - 17205	BT40 x BSA50 - 165	50	65	40	44	13	M8	2.3
SYIC - 17206	BT40 x BSA62 - 180	62	90	50	56	16	M10	3.4
SYIC - 17207	BT40 x BSA72 - 180	72	110	60	-	19		3.9
SYIC - 17208	BT40 x BSA90 - 180	90	125	75				5.2
SYIC - 17211	BT50 x BSA25 - 135	25	38	20	22	8	M6	4.2
SYIC - 17212	BT50 x BSA30 - 165	30	42	24	26			4.4
SYIC - 17213	BT50 x BSA38 - 180	38	52	30	33	10	M8	4.8
SYIC - 17214	BT50 x BSA42 - 210	42	56	34	37			5.0
SYIC - 17215	BT50 x BSA50 - 180	50	65	40	44	13	M10	5.4
SYIC - 17216	BT50 x BSA50 - 240							5.7
SYIC - 17217	BT50 x BSA62 - 195	62	90	50	56	16		6.2
SYIC - 17218	BT50 x BSA62 - 270							7.6
SYIC - 17219	BT50 x BSA72 - 195	72	110	60	66	19		7.0
SYIC - 17220	BT50 x BSA72 - 285							9.3
SYIC - 17221	BT50 x BSA90 - 210	90	125	75	80		M12	9.2
SYIC - 17222	BT50 x BSA90 - 300							12.3
SYIC - 17223	BT50 x BSA105 - 195	105	160	90	-	25		10.7
SYIC - 17224	BT50 x BSA105 - 285				94			15.0
SYIC - 17225	BT50 x BSA130 - 255	130	190	110	-			14.5

Option

PULL STUDS

P222



SYIC-17250

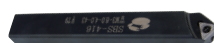
90° 粗搪孔刀柄



For standard usage



SBS



P.146

CBS

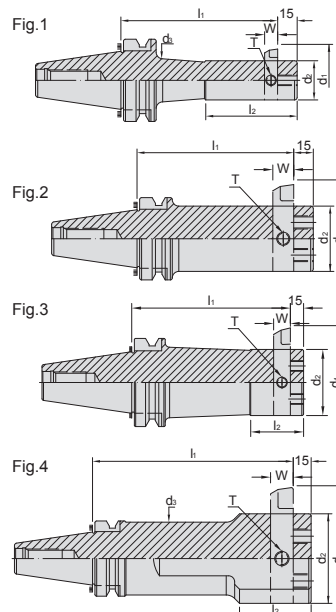


P.147

CBS-L



P.148



- Suitable for BSA, BSB roughing boring head shank & ABH fine boring head shank.
- Please inform the material of inserts when ordering.
- SBS is fit for fine & medium processing.
- 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 request but the additional charge is needed.

MODEL NO.	TYPE - I ₁	d ₁		I ₂	d ₂	d ₃	W	T	Fig	WEIGHT (KGS)
		MIN.	MAX							
SYIC - 17252	BT40 x BSB25 - 135	25	52	50	20	22	8	M6	1	1.3
SYIC - 17254	BT40 x BSB38 - 150	38	70	70	30	33	10	M8		2.0
SYIC - 17256	BT40 x BSB50 - 165	50	90	85	40	44	13	M10		2.5
SYIC - 17258	BT40 x BSB62 - 180	62	115	95	50	56	16		3	3.7
SYIC - 17260	BT40 x BSB72 - 180	72	135	-	60	-	19		2	4.7
SYIC - 17262	BT40 x BSB90 - 180	90	150	60	75	61	19	M12	4	5.2
SYIC - 17272	BT50 x BSB25 - 135	25	52	50	20	22	8	M6	1	4.2
SYIC - 17274	BT50 x BSB38 - 180	38	70	50	30	33	10	M8		4.9
SYIC - 17276	BT50 x BSB50 - 180	50	90	85	40	44	13	M10		5.5
SYIC - 17278	BT50 x BSB50 - 240									5.8
SYIC - 17280	BT50 x BSB62 - 195	62	115	-	50	-	16		2	6.4
SYIC - 17282	BT50 x BSB62 - 270								7.8	
SYIC - 17284	BT50 x BSB72 - 195	72	135	95	60	66	19	M12	3	7.3
SYIC - 17286	BT50 x BSB72 - 285									9.6
SYIC - 17288	BT50 x BSB90 - 210	90	150	60	75	80	19			9.7
SYIC - 17290	BT50 x BSB90 - 300									12.8
SYIC - 17292	BT50 x BSB105 - 195	105	190	-	90	-	25	M12	2	11.4
SYIC - 17294	BT50 x BSB105 - 285									15.7
SYIC - 17296	BT50 x BSB130 - 255	130	260	75	110	98			4	14.1

Option

PULL STUDS



P222



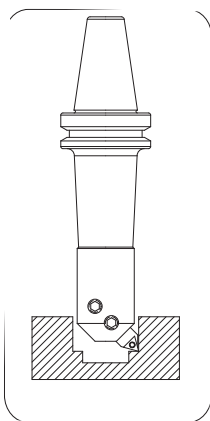
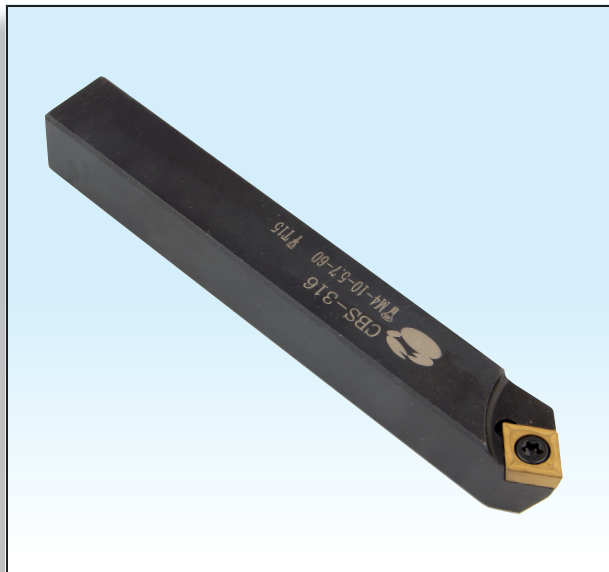
- Suitable for BSA, BSB Rough Boring Bar and ABH fine boring head shank.

MODEL NO.	TYPE	D	L	Angle	Suitable Inserts	Screw	Wrench
SYIC - 17230	SBS - 308	8	50	30°	TPGH0902--	M2.5-6.0-3.5-60	T8
SYIC - 17231	SBS - 310	10					
SYIC - 17232	SBS - 313	13	60				
SYIC - 17233	SBS - 316	16	85				
SYIC - 17234	SBS - 319	19	150				
SYIC - 17235	SBS - 325	25					
SYIC - 17236	SBS - 408	8	50	45°	TPGH0902--	M2.5-6.0-3.5-60	T8
SYIC - 17237	SBS - 410	10					
SYIC - 17238	SBS - 413	13	60				
SYIC - 17239	SBS - 416	16	85				
SYIC - 17240	SBS - 419	19	150				
SYIC - 17241	SBS - 425	25					
SYIC - 17242	SBS - 908	8	50	90°	TPGH0902--	M2.5-6.0-3.5-60	T8
SYIC - 17243	SBS - 910	10					
SYIC - 17244	SBS - 913	13	60				
SYIC - 17245	SBS - 916	16	85				
SYIC - 17246	SBS - 919	19	150				
SYIC - 17247	SBS - 925	25					

SUITABLE: ISO INSERTS

SYIC-17300

CBS 捨棄式搪孔刀

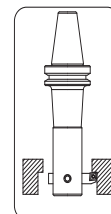
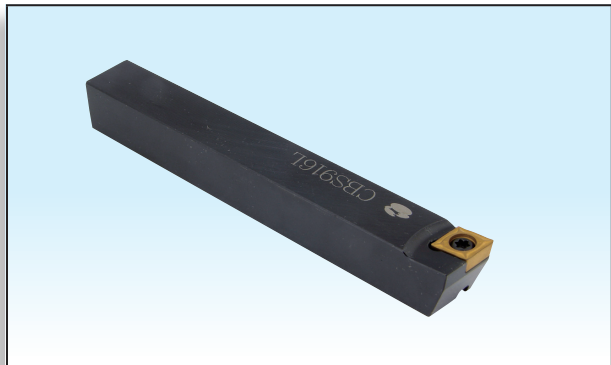


- Suitable for BSA, BSB roughing boring head shank & ABH fine boring head shank.
- Please inform the material of inserts when ordering.
- SBS is fit for fine & medium processing.

MODEL NO.	TYPE	D	L	Angle	Suitable Inserts	Screw	Wrench
SYIC - 17301	CBS - 308	8	55	30°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17302	CBS - 310	10	65		CCMT09T3	M4-10-5.7-60	T15
SYIC - 17303	CBS - 313	13	80				
SYIC - 17304	CBS - 316	16	120				
SYIC - 17305	CBS - 319	19	140		CCMT1204	M5-11-7.5-60	T20
SYIC - 17306	CBS - 408	8	55	45°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17307	CBS - 410	10	65		CCMT09T3	M4-10-5.7-60	T15
SYIC - 17308	CBS - 413	13	80				
SYIC - 17309	CBS - 416	16	120		CCMT1204	M5-11-7.5-60	T20
SYIC - 17310	CBS - 419	19	140				
SYIC - 17311	CBS - 908	8	55	90°	CCMT0602	M4-10-5.7-60	T9
SYIC - 17312	CBS - 910	10	65		CCMT09T3	M5-11-7.5-60	T15
SYIC - 17313	CBS - 913	13	80				
SYIC - 17314	CBS - 916	16	120				
SYIC - 17315	CBS - 919	19	140		CCMT1204	M5-11-7.5-60	T20

SYIC-17315

CBS 捨棄式搪孔刀

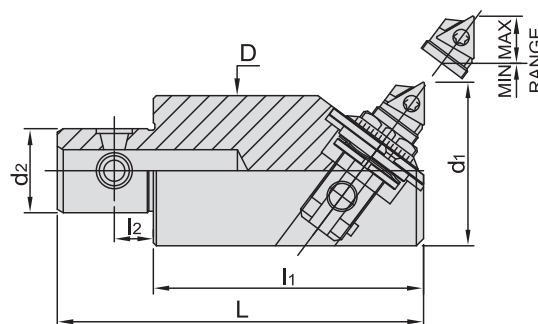


MODEL NO.	TYPE	D	L	Angle	Suitable Inserts	Screw	Wrench
SYIC - 17316	CBS908L	8	55	90°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17317	CBS910L	10	65				
SYIC - 17318	CBS913L	13	80		CCMT09T3	M4-10-5.7-60	T15
SYIC - 17319	CBS916L	16	120				
SYIC - 17320	CBS919L	19	140		CCMT1204	M5-11-7.5-60	T20

SCK / BYB FINISH BORING HEAD

SYIC-17380

SCK / BYB 微切削搪刀柄

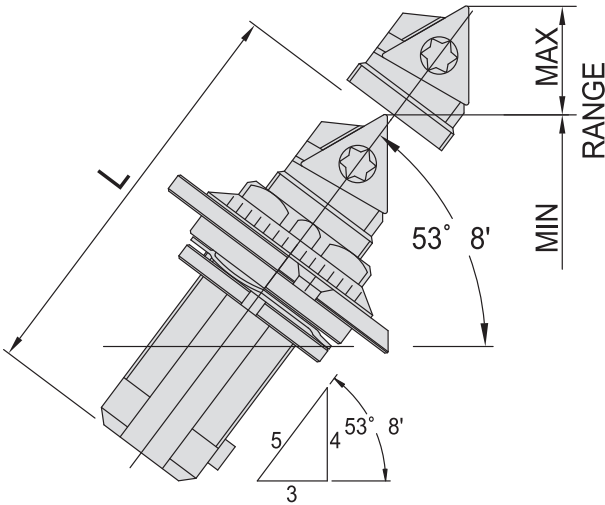


- SYIC-17380 only contains the body, not including SYIC-17400 BYB Micrometer Adjustable Boring Head.

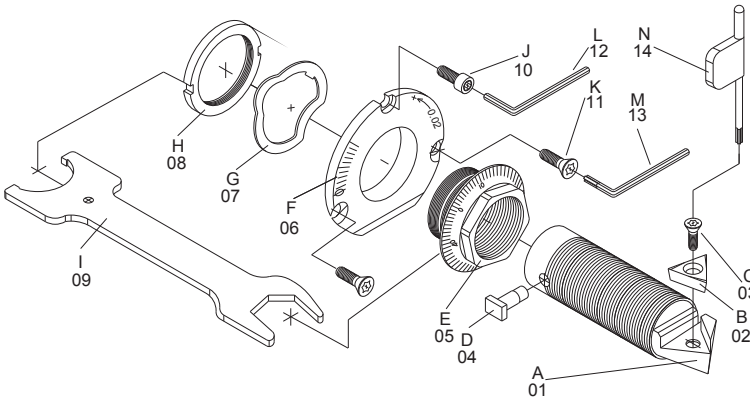
MODEL NO.	TYPE	SYIC - 17400 ASSEMBLE TOOL HOLDER	d ₁		d ₂	L	l ₁	l ₂	D	WEIGHT (KGS)
			MIN.	MAX.						
SYIC - 17382	SCK1 x BYB19	SCK1	19	22.5	11	51	35	4.75	18	0.36
SYIC - 17384	SCK1 x BYB22	SCK1	22	29.5					20	0.36
SYIC - 17386	SCK2 x BYB29	SCK2	29	41	14	61	45	6.5	25	0.37
SYIC - 17388	SCK3 x BYB38	SCK3	38	50	18	90	70	7.7	35	0.41
SYIC - 17390	SCK4 x BYB48	SCK4	48	65	22	84	60	7.7	41	0.59
SYIC - 17392	SCK5 x BYB62	SCK5	62	90	28	110	80	12.7	54	0.70
SYIC - 17394	SCK6 x BYB82	SCK6	82	110	36	150	110	15.7	67	1.05

SYIC-17400

BYB 微切削搪孔頭



- Steel: SNCM-8
- HRC: 45°
- For the body of boring head, please see SYIC-17420.



NO.	NAME OF EACH PART
01	Shank
02	Insert
03	Insert Screw
04	Key
05	Hexagon Adjust Nut
06	Indicator Dish
07	Plane Spring
08	Nut
09	Wrench
10	Set Screw
11	Star Screw
12	Hexagon Wrench
13	Star Wrench
14	Insert Wrench

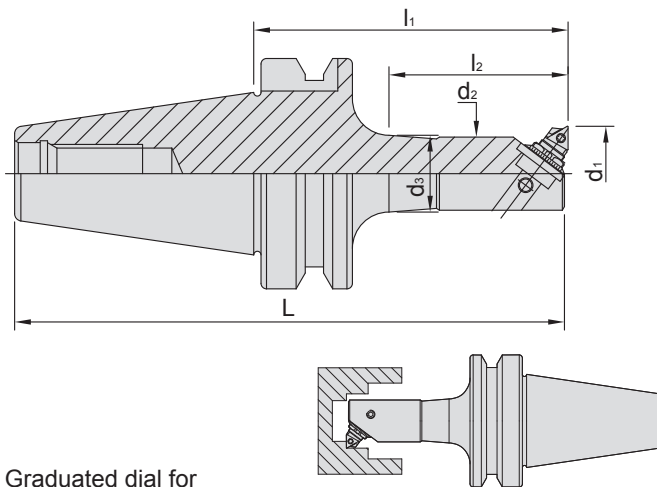
TYPE	I09	J10	L12	K11	M13	C03	N14
M2 - 19	W2	M2.3 x 0.4P	L1.5	-	-	M2	T6
M2 - 22	W3	M2.6 x 0.45P	L2	-	-	M2.5	T9
M3 - 29	W5	M3 x 0.5P	L2.5	M3 x 0.5P	L2	M4	T15
M5 - 38	-	-	-	M4 x 0.7P	L2.5	-	-
M5 - 48	-	-	-	-	-	-	-
M7 - 62	-	-	-	-	-	-	-

MODEL NO.	TYPE	RANGE		L	USE INSERT SIZE	WEIGHT (KGS)
		MIN.	MAX			
SYIC - 17406	M2 - 19	19	22.5	20.7	TBGT0601--	0.06
SYIC - 17408	M2 - 22	22	29.5	23.5		0.06
SYIC - 17410	M3 - 29	29	41	31		0.07
SYIC - 17412	M5 - 38	38	50	40	TPGH1103--	0.08
SYIC - 17414	M5 - 48	48	65	47.7		0.10
SYIC - 17416	M7 - 62	62	90	63.5	TPGT16T3--	0.20

MICROMETER ADJUSTABLE BT / BYB BORING HEAD SHANK

SYIC-17420

BT / BYB 微切削搪孔刀柄



- Graduated dial for micro-adjustment in 0.02mm increments.
- 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 request but the additional charge is needed.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁		d ₂	d ₃	WEIGHT (KGS)
				MIN.	MAX.			
SYIC - 17423	BT30 x BYB19 - 90	138.4	63	19	22.5	18	18	0.7
SYIC - 17424	BT30 x BYB22 - 105	153.4	78	22	29.5	20	20	0.7
SYIC - 17425	BT30 x BYB29 - 120	168.4	95	29	41	25	25	0.9
SYIC - 17426	BT30 x BYB38 - 120			38	50	35	35	1.4
SYIC - 17427	BT30 x BYB48 - 120			48	65	41	41	2.1
SYIC - 17433	BT40 x BYB19 - 120	185.4	83	19	22.5	18	18	1.5
SYIC - 17434	BT40 x BYB22 - 135	200.4	98	22	29.5	20	21	1.5
SYIC - 17435	BT40 x BYB29 - 150	215.4	116	29	41	25	27	1.5
SYIC - 17436	BT40 x BYB29 - 180	245.4	146					2.0
SYIC - 17437	BT40 x BYB38 - 150	215.4	113	38	50	35	36	1.8
SYIC - 17438	BT40 x BYB38 - 210	275.4	173					2.2
SYIC - 17439	BT40 x BYB48 - 150	215.4	113	48	65	41	46	2.1
SYIC - 17440	BT40 x BYB48 - 210	275.4	173					2.3
SYIC - 17441	BT40 x BYB62 - 150	215.4	123	62	90	54	60	2.9
SYIC - 17442	BT40 x BYB62 - 210	275.4	183					3.6
SYIC - 17453	BT50 x BYB19 - 135	236.8	85	19	22.5	18	18	3.8
SYIC - 17454	BT50 x BYB22 - 150	251.8	100	22	29.5	20	21	3.9
SYIC - 17455	BT50 x BYB29 - 150	251.8	100	29	41	25	27	4.5
SYIC - 17456	BT50 x BYB29 - 180	281.8	130					4.6
SYIC - 17457	BT50 x BYB38 - 165	266.8	115	38	50	35	36	4.5
SYIC - 17458	BT50 x BYB38 - 225	326.8	175					5.0
SYIC - 17459	BT50 x BYB48 - 165	266.8	122	48	65	41	40	5.2
SYIC - 17460	BT50 x BYB48 - 210	311.8	160				46	5.5
SYIC - 17461	BT50 x BYB48 - 255	356.8	205	62	90	54	53	5.7
SYIC - 17462	BT50 x BYB62 - 180	281.8	130					7.0
SYIC - 17463	BT50 x BYB62 - 240	341.8	185				60	7.6
SYIC - 17464	BT50 x BYB62 - 330	431.8	280					9.5

Option

PULL STUDS

BYB BORING HEAD

P222



P149





BORING HEAD SYSTEM (SCK series)

BT

CAT

DAT

HSK

NT
&
MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.



SYIC-17500
BODY



SYIC-27900
BODY



SYIC-47500
BODY



SYIC-37600
BODY

BT/SCK
CAT/SCK
DAT/SCK
HSK/SCK



SYIC-17550
EXTENSION SPACER



SYIC-17380
FINISH BORING
HEAD



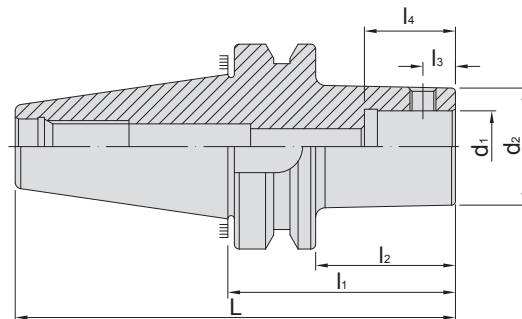
SYIC-17600
ROUGHING TWIN
ADJUSTMENT
BORING HEAD



SYIC-19500
SUPER MICRON
EXCHANGEABLE
FINISH BORING
HEAD

SYIC-17500

BT / SCK 粗/精 搪孔刀柄



- Extension spacers are applicable, more convenient for boring.
- Internal tolerance is H6.
- For center coolant (DIN 69871-AD).
- 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 request but the additional charge is needed.

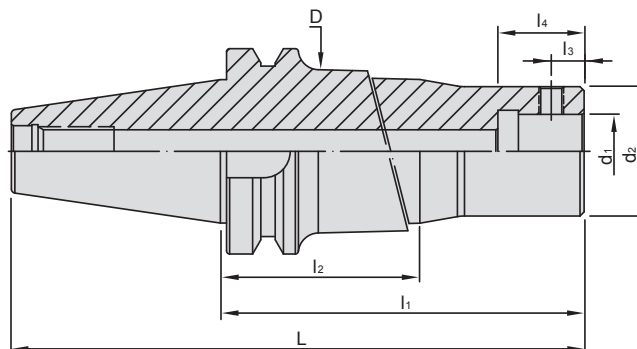
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	l ₄	d ₁	d ₂	WEIGHT (KGS)
SYIC - 17530	BT30 x SCK1 - 55	103.4	33	5.05	15	11	19	0.70
SYIC - 17532	BT30 x SCK2 - 60	108.4	38	6.62	18.5	14	23.5	0.80
SYIC - 17533	BT30 x SCK2 - 75	123.4	53					0.80
SYIC - 17534	BT30 x SCK3 - 50	98.4	38	8	22	18	31	0.90
SYIC - 17536	BT30 x SCK4 - 60	108.4	28	10	24	22	39	1.00
SYIC - 17537	BT30 x SCK4 - 70	118.4	38					1.00
SYIC - 17538	BT30 x SCK5 - 70	118.4	28	13	30	28	50	1.10
SYIC - 17540	BT30 x SCK6 - 60	108.4	38	16	36	36	63	1.20
SYIC - 17501	BT40 x SCK1 - 100	165.4	73	5.05	18	11	19	1.20
SYIC - 17501 - 115	BT40 x SCK1 - 115	180.4	88					1.30
SYIC - 17502	BT40 x SCK2 - 75	140.4	48	6.62	18.5	14	23.5	1.30
SYIC - 17503	BT40 x SCK3 - 80	145.4	53	8	24	18	31	1.45
SYIC - 17504	BT40 x SCK4 - 70	135.4	43	10	28	22	39	1.50
SYIC - 17505	BT40 x SCK4 - 100	165.4	73					1.70
SYIC - 17506	BT40 x SCK5 - 60	125.4	33	13	35	28	50	1.80
SYIC - 17507	BT40 x SCK5 - 80	145.4	53					1.95
SYIC - 17508	BT40 x SCK6 - 55	120.4	28	16	42	36	63	2.15
SYIC - 17509	BT50 x SCK1 - 105	206.8	67	5.05	18	11	19	3.90
SYIC - 17510	BT50 x SCK2 - 105	206.8	67	6.62	18.5	14	23.5	4.00
SYIC - 17510 - 135	BT50 x SCK2 - 135	236.8	97					4.10
SYIC - 17511	BT50 x SCK3 - 110	211.8	72	8	24	18	31	4.40
SYIC - 17512	BT50 x SCK3 - 140	241.8	102					4.60
SYIC - 17513	BT50 x SCK4 - 100	201.8	62	10	28	22	39	4.80
SYIC - 17514	BT50 x SCK4 - 160	261.8	122					5.20
SYIC - 17515	BT50 x SCK5 - 90	191.8	52	13	35	28	50	5.40
SYIC - 17516	BT50 x SCK5 - 165	266.8	127					6.20
SYIC - 17517	BT50 x SCK5 - 210	311.8	172					6.40
SYIC - 17518	BT50 x SCK6 - 85	186.8	47	16	42	36	63	5.90
SYIC - 17519	BT50 x SCK6 - 155	256.8	117					6.50
SYIC - 17520	BT50 x SCK6 - 215	316.8	177					6.90

Option

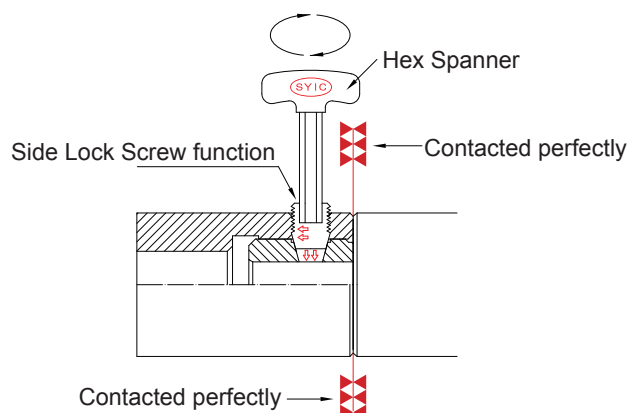
EXTENSION SPACER	SCK	SMB	PULL STUDS
P158	P159	P161	P222

SYIC-17500BG

BT / SCK 搪孔刀桿 (加長斜度柄)



Assembly Principle of SCK Boring Head Shank



- Internal hole tolerance: H6.
- The tool holder is through-hole, which is better for water to get through and anti-vibration.
- Exchangeable with a lot of "CK" series of tool holders.
- The side lock screw and key slot is 90°.

- Locking with a hex spanner is okay. It's simple to operate and accurate.
- The taper for side lock screw has a design for 30°. When tightening CK series of boring head, please draw it towards the direction of spindle, which helps CK series of boring head to be contacted perfectly with the tool holder.

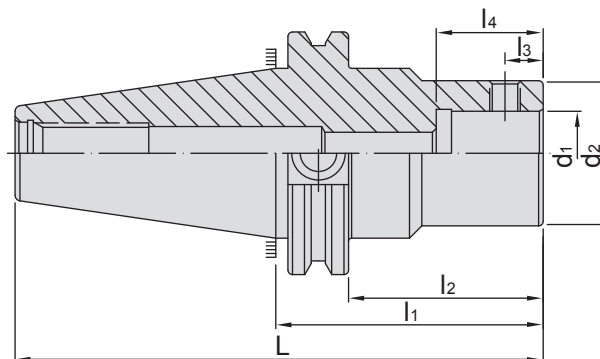
MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 17520 - 240BG	BT50 x SCK6 - 240BG	421.8	320	240	16	42	80	36	63	M12	12.18
SYIC - 17521 - 240BG	BT50 x SCK6 - 240BG						100				16.26
SYIC - 17520 - 300BG	BT50 x SCK6 - 300BG	481.8	380	300			80				14.05
SYIC - 17521 - 300BG	BT50 x SCK6 - 300BG						100				19.37
SYIC - 17520 - 360BG	BT50 x SCK6 - 360BG	541.8	440	360			80				15.94
SYIC - 17521 - 360BG	BT50 x SCK6 - 360BG						100				22.46

Option

EXTENSION SPACER	SCK	SMB	PULL STUDS
P158	P159	P161	P222

SYIC-27900

CAT / SCK 粗/精 搪孔刀柄



- 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 request but the additional charge is needed.

INCHES

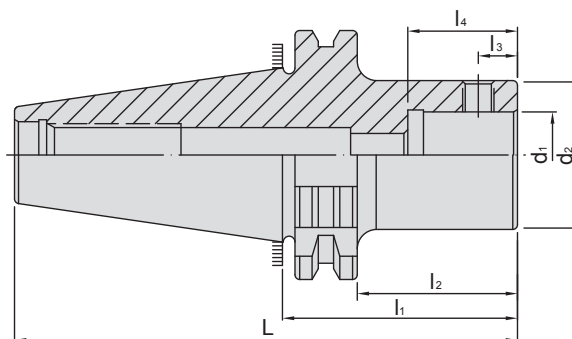
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	l ₄	d ₁	d ₂	WEIGHT (KGS)
SYIC - 27910	CAT40 x SCK1 - 3"	5.687	2.375	0.199	0.59	0.433	0.748	1.20
SYIC - 27912	CAT40 x SCK1 - 3.75"	6.437	3.125					1.25
SYIC - 27914	CAT40 x SCK2 - 3"	5.687	2.375	0.261	0.728	0.551	0.925	1.30
SYIC - 27916	CAT40 x SCK2 - 4.35"	7.037	3.725					1.35
SYIC - 27918	CAT40 x SCK3 - 3"	5.687	2.375	0.315	0.866	0.709	1.22	1.40
SYIC - 27920	CAT40 x SCK3 - 5"	7.687	4.375					1.45
SYIC - 27922	CAT40 x SCK4 - 3"	5.687	2.375	0.394	0.945	0.866	1.535	1.50
SYIC - 27924	CAT40 x SCK4 - 4.25"	6.937	3.625					1.55
SYIC - 27926	CAT40 x SCK5 - 3"	5.687	2.375	0.512	1.181	1.102	1.969	1.60
SYIC - 27928	CAT40 x SCK5 - 4.25"	6.937	3.625					1.65
SYIC - 27930	CAT40 x SCK6 - 3"	5.687	2.375	0.63	1.575	1.417	2.48	1.70
SYIC - 27932	CAT40 x SCK6 - 4.25"	6.937	3.625					1.75
SYIC - 27934	CAT50 x SCK1 - 3.5"	7.5	2.875	0.199	0.59	0.433	0.748	3.30
SYIC - 27936	CAT50 x SCK1 - 4"	8	3.375					3.35
SYIC - 27938	CAT50 x SCK2 - 3.5"	7.5	2.875	0.261	0.728	0.551	0.925	3.40
SYIC - 27940	CAT50 x SCK2 - 5.3"	9.3	4.675					3.45
SYIC - 27942	CAT50 x SCK3 - 3.5"	7.5	2.875	0.315	0.866	0.709	1.22	3.50
SYIC - 27944	CAT50 x SCK3 - 5.5"	9.5	4.875					3.55
SYIC - 27946	CAT50 x SCK4 - 3.5"	7.5	2.875	0.394	0.945	0.866	1.535	3.60
SYIC - 27948	CAT50 x SCK4 - 5.5"	9.5	4.875					3.65
SYIC - 27950	CAT50 x SCK5 - 3.5"	7.5	2.875	0.512	1.181	1.102	1.969	3.70
SYIC - 27952	CAT50 x SCK5 - 5.5"	9.5	4.875					3.75
SYIC - 27954	CAT50 x SCK6 - 3.5"	7.5	2.875	0.63	1.575	1.417	2.48	3.80
SYIC - 27956	CAT50 x SCK6 - 5.5"	9.5	4.875					3.85

Option

EXTENSION SPACER	SCK	SMB	PULL STUDS
P158 	P159 	P161 	P223 

SYIC-47500

DAT / SCK 粗/精 搪孔刀柄



- Internal hole tolerance: H6.
- For center coolant (DIN 69871-AD).
- 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 request but the additional charge is needed.

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	l ₄	d ₁	d ₂	WEIGHT (KGS)
SYIC - 47502	DAT30 x SCK1 - 50	97.8	30.9	5.05	15	11	19	0.60
SYIC - 47504	DAT30 x SCK2 - 65	112.8	45.9	6.62	18.5	14	23.5	0.70
SYIC - 47506	DAT30 x SCK3 - 50	97.8	30.9	8	22	18	31	0.80
SYIC - 47508	DAT30 x SCK4 - 50	97.8	30.9	10	24	22	39	1.30
SYIC - 47510	DAT40 x SCK1 - 80	148.4	60.9	5.05	15	11	19	1.00
SYIC - 47512	DAT40 x SCK1 - 95	163.4	75.9					1.05
SYIC - 47514	DAT40 x SCK2 - 80	148.4	60.9	6.62	18.5	14	23.5	1.10
SYIC - 47516	DAT40 x SCK2 - 110	178.4	90.9					1.15
SYIC - 47518	DAT40 x SCK3 - 90	158.4	70.9	8	22	18	31	1.20
SYIC - 47520	DAT40 x SCK3 - 125	193.4	105.9					1.25
SYIC - 47522	DAT40 x SCK4 - 80	148.4	60.9	10	24	22	39	1.30
SYIC - 47524	DAT40 x SCK4 - 110	178.4	90.9					1.35
SYIC - 47526	DAT40 x SCK5 - 95	163.4	75.9	13	30	28	50	1.40
SYIC - 47528	DAT40 x SCK5 - 110	178.4	90.9					1.45
SYIC - 47530	DAT40 x SCK6 - 65	133.4	45.9	16	40	36	63	1.50
SYIC - 47532	DAT40 x SCK6 - 95	163.4	75.9					1.55
SYIC - 47534	DAT50 x SCK1 - 110	211.75	90.9	5.05	15	11	19	3.10
SYIC - 47536	DAT50 x SCK1 - 125	226.75	105.9					3.15
SYIC - 47538	DAT50 x SCK2 - 95	196.75	75.9	6.62	18.5	14	23.5	3.20
SYIC - 47540	DAT50 x SCK2 - 125	226.75	105.9					3.25
SYIC - 47542	DAT50 x SCK3 - 125	226.75	105.9	8	22	18	31	3.30
SYIC - 47544	DAT50 x SCK3 - 155	256.75	135.9					3.35
SYIC - 47546	DAT50 x SCK4 - 110	211.75	90.9	10	24	22	39	3.40
SYIC - 47548	DAT50 x SCK4 - 125	226.75	105.9					3.45
SYIC - 47550	DAT50 x SCK5 - 65	166.75	45.9	13	30	28	50	3.50
SYIC - 47552	DAT50 x SCK5 - 140	241.75	120.9					3.55
SYIC - 47554	DAT50 x SCK6 - 140	241.75	120.9	16	40	36	63	3.60
SYIC - 47556	DAT50 x SCK6 - 170	271.75	150.9					3.65

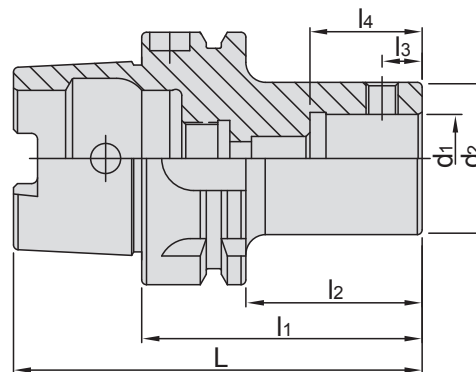
Option

EXTENSION SPACER	SCK	SMB	PULL STUDS
P158	P159	P161	P224

SYIC-37600

HSK / SCK 粗/精 搪孔刀柄

DIN 69893 - 1



- Tolerance of internal hole: H6.
- 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 request but the additional charge is needed.

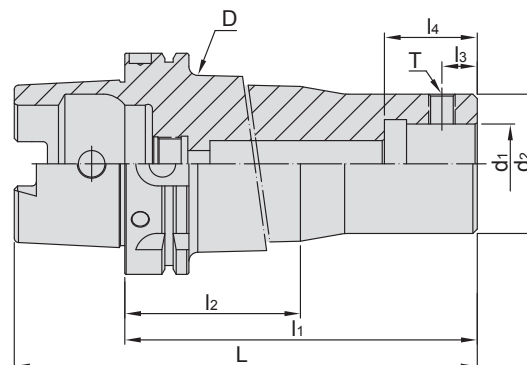
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	l ₄	d ₁	d ₂	WEIGHT (KGS)
SYIC - 37620	HSK40A x SCK1 - 50	70	10	5.05	15	11	19	0.60
SYIC - 37622	HSK40A x SCK2 - 60	80	20	6.62	18.5	14	23.5	0.70
SYIC - 37624	HSK40A x SCK3 - 60			8	22	18	31	0.80
SYIC - 37630	HSK50A x SCK1 - 60	85	34	5.05	15	11	19	1.00
SYIC - 37632	HSK50A x SCK2 - 60			6.62	18.5	14	23.5	1.10
SYIC - 37634	HSK50A x SCK3 - 60			8	22	18	31	1.20
SYIC - 37636	HSK50A x SCK4 - 60			10	24	22	39	1.30
SYIC - 37638	HSK50A x SCK5 - 80	105	54	13	30	28	50	1.40
SYIC - 37640	HSK50A x SCK6 - 80			16	40	36	63	1.50
SYIC - 37642	HSK63A x SCK1 - 80	112	54	5.05	15	11	19	1.20
SYIC - 37644	HSK63A x SCK1 - 95	127	69					1.25
SYIC - 37646	HSK63A x SCK2 - 80	112	54	6.62	18.5	14	23.5	1.30
SYIC - 37648	HSK63A x SCK2 - 110	142	84					1.35
SYIC - 37650	HSK63A x SCK3 - 90	122	64	8	22	18	31	1.40
SYIC - 37652	HSK63A x SCK3 - 125	157	99					1.45
SYIC - 37654	HSK63A x SCK4 - 80	112	54	10	24	22	39	1.50
SYIC - 37656	HSK63A x SCK4 - 110	142	84					1.55
SYIC - 37658	HSK63A x SCK5 - 95	127	69	13	30	28	50	1.60
SYIC - 37660	HSK63A x SCK5 - 110	142	84					1.65
SYIC - 37662	HSK63A x SCK6 - 70	102	44	16	40	36	63	1.70
SYIC - 37664	HSK63A x SCK6 - 95	127	69					1.75
SYIC - 37686 - 100	HSK100A x SCK1 - 100	150	71	5.05	15	11	19	2.07
SYIC - 37688	HSK100A x SCK2 - 75	125	46	6.62	18.5	14	23.5	2.09
SYIC - 37688 - 115	HSK100A x SCK2 - 115	165	86					2.18
SYIC - 37690	HSK100A x SCK3 - 60	110	31	8	22	18	31	2.15
SYIC - 37690 - 125	HSK100A x SCK3 - 125	175	96					2.47
SYIC - 37692	HSK100A x SCK4 - 70	120	41	10	24	22	39	2.34
SYIC - 37692 - 120	HSK100A x SCK4 - 120	170	91					2.76
SYIC - 37694	HSK100A x SCK5 - 70	120	41	13	30	28	50	2.60
SYIC - 37694 - 110	HSK100A x SCK5 - 110	160	81					3.17
SYIC - 37696	HSK100A x SCK6 - 75	125	46	16	40	36	63	3.02
SYIC - 37696 - 100	HSK100A x SCK6 - 100	150	71					3.60

Option

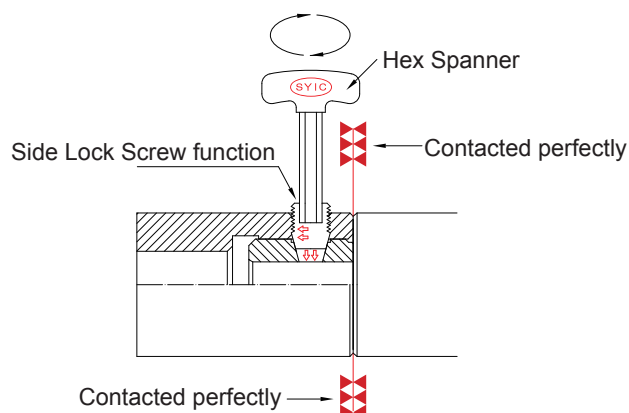
EXTENSION SPACER	SCK	SMB	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P158	P159	P161	P246	P246

SYIC-37600BG

HSK / SCK 粗/精 搪孔刀柄 (加長斜度柄)



Assembly Principle of SCK Boring Head Shank



- Internal hole tolerance: H6.
- The tool holder is through-hole, which is better for water to get through and anti-vibration.
- Exchangeable with a lot of "CK" series of tool holders.
- The side lock screw and key slot is 90°.

- Locking with a hex spanner is okay. It's simple to operate and accurate.
- The taper for side lock screw has a design for 30°. When tightening CK series of boring head, please draw it towards the direction of spindle, which helps CK series of boring head to be contacted perfectly with the tool holder.

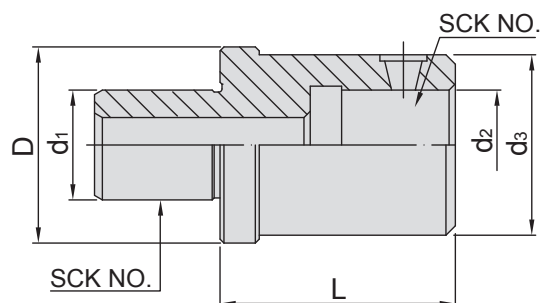
MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC-37696-240BG	HSK100A x SCK6 - 240BG	370	320	240	16	42	80	36	63	M12	10.11
SYIC-37696-300BG	HSK100A x SCK6 - 300BG	430	380	300							12.01
SYIC-37696-360BG	HSK100A x SCK6 - 360BG	490	440	360							13.88

Option

EXTENSION SPACER	SCK	SMB	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P158	P159	P161	P246	P246

SYIC-17550

搪孔頭延長桿



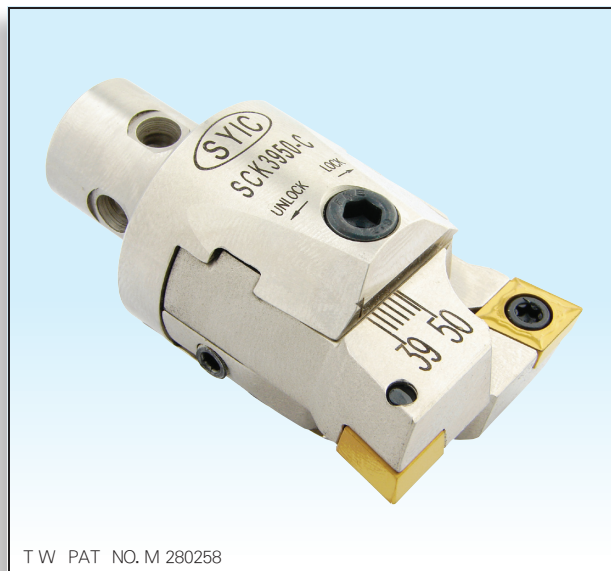
MODEL NO.	TYPE	L	D	d ₁	d ₂	d ₃	WEIGHT (KGS)
SYIC - 17552	SCK2 - 2 - 30	30	23	14	14	24	0.30
SYIC - 17554	SCK3 - 2 - 37	37	31	18	14	24	0.34
SYIC - 17556	SCK3 - 3 - 30	30			18	31	0.32
SYIC - 17558	SCK4 - 2 - 50	50	39	22	14	24	0.60
SYIC - 17560	SCK4 - 3 - 50	50			18	31	0.56
SYIC - 17562	SCK4 - 4 - 45	45			22	39	0.52
SYIC - 17564	SCK5 - 2 - 54	54	50	28	14	24	0.72
SYIC - 17566	SCK5 - 3 - 47	47			18	31	0.70
SYIC - 17568	SCK5 - 4 - 42	42			22	39	0.65
SYIC - 17570	SCK5 - 5 - 60	60			28	50	0.60
SYIC - 17572	SCK6 - 2 - 63	63	64	36	14	24	1.50
SYIC - 17574	SCK6 - 3 - 56	56			18	31	1.30
SYIC - 17576	SCK6 - 4 - 51	51			22	39	1.10
SYIC - 17578	SCK6 - 5 - 41	41			28	50	1.05
SYIC - 17580	SCK6 - 6 - 60	60			36	63	0.95

SYIC-17600

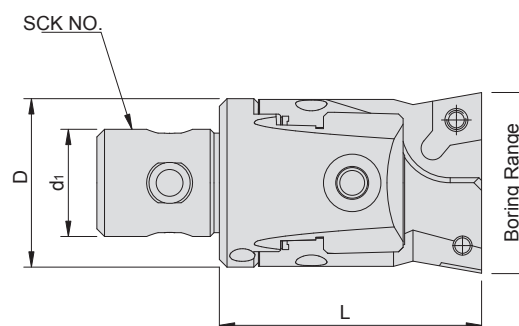
SCK 可調整式雙刃粗搪孔頭



台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M 280258



- Not included inserts, purchase separately.



CCMT inserts suit for rough boring, heavy and interrupted cutting.

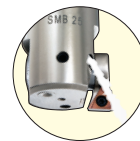
- Both inserts can move simultaneously. It's more timesaving and convenient for operation.
- The insert seat has a three-contact with the boring head. Rigidity is improved a lot.
- Suitable for SCK series of tool holder and is exchangeable with CK series.
- Good for improving processing efficiency, extending insert's use life and decreasing production costs.
- Suitable for big table feed (F) processing.

MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	Boring Range		d ₁	L	D	Insert	Screw	Wrench	WEIGH (KGS)
			MIN.	MAX.							
SYIC - 17602	SCK2430 - C	SCK2	24	30	14	34	22	CCMT0602..	M2-5.6.45-3.7	T8	0.19
SYIC - 17604	SCK2940 - C		29	40	14	42	27	CCMT09T3..	M4-8.0-5.7-60	T15	0.19
SYIC - 17606	SCK3950 - C	SCK3	39	50	18	45	32		M4-10-5.7-60		0.19
SYIC - 17608	SCK4965 - C	SCK4	49	65	22	56	42	CCMT1204..	M5-11-7.5-60	T20	0.10
SYIC - 17612	SCK6382 - C	SCK5	63	82	28	66	54				0.20
SYIC - 17614	SCK80102 - C	SCK6	80	102	36	86	68				0.26

SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

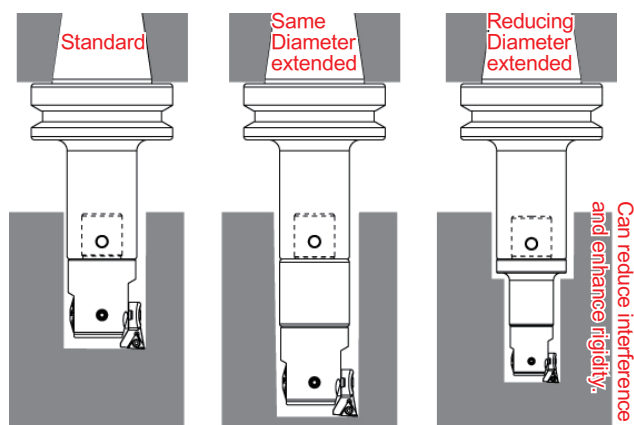


- For finish boring, boring range is $\phi 20 \sim \phi 150$.
- Micro-adjustment unit: each unit is 0.01mm.
- The insert seat is designed to have a coolant hole at the side, which can extend the use life of inserts, remove the metal chips effectively and is good for heat dissipation.
- The insert seat 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 $\phi 25 \sim \phi 150$.
The design is user-friendly, easy to operate and has multi-functional applications.**

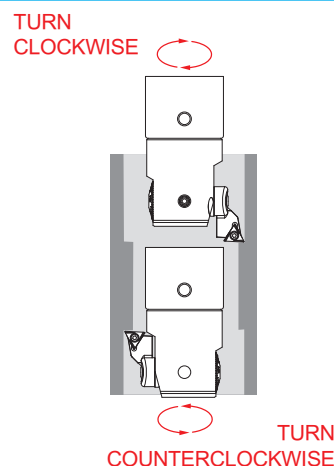
Free to assemble for required cutting diameter and depth.



Meet required coaxiality Back boring by reversing the standard insert seat

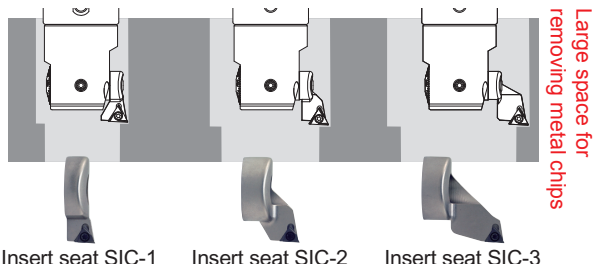
In general, users need to reverse the work piece when processing the workpiece by back boring. It not only wastes time but is hard to ensure the coaxiality of the front hole and back hole. For SMB Finish Boring Head, users just need to reverse the insert seat and can process by back boring. It not only 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

**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.

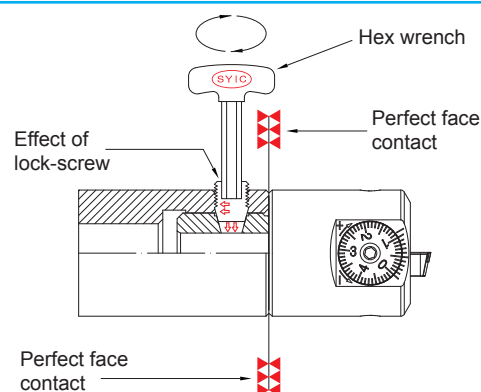
	6000	G6.3
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Combination of boring head and SCK tool holder

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.



**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

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BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-19500

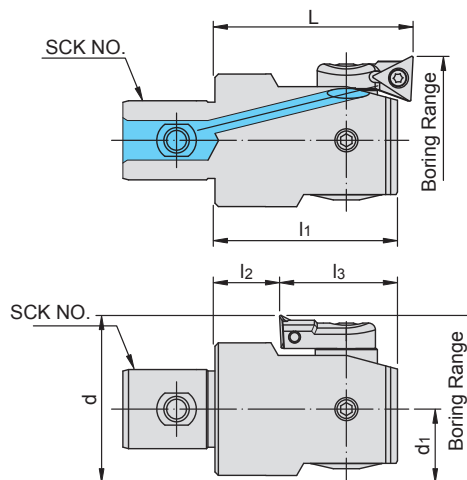
SMB 超微米精搪頭



台灣精品 2009
TAIWAN EXCELLENCE



T W PAT NO. M340139
T W PAT NO. M363355
J P PAT NO. 3154595
C N PAT NO. ZL200820102784.9
D E PAT NO. Nr.202009009848.6



• TYPES FOR INSERT SEAT

TYPE	DRAWING	SUITABLE FINISH BORING HEAD	TYPE	DRAWING	SUITABLE FINISH BORING HEAD
SIC25 - 1		SMB25	SIC25 - 1E		SMB25
SIC25 - 2			SIC25 - 2E		
SIC25 - 3			SIC25 - 3E		
SIC32 - 1		SMB32	SIC32 - 1E		SMB32
SIC32 - 2			SIC32 - 2E		
SIC32 - 3			SIC32 - 3E		
SIC41 - 1		SMB41	SIC41 - 1E		SMB41
SIC41 - 2			SIC41 - 2E		
SIC41 - 3			SIC41 - 3E		
SIC53 - 1		SMB53	SIC53 - 1E		SMB53
SIC53 - 2			SIC53 - 2E		
SIC53 - 3			SIC53 - 3E		
SIC68 - 1		SMB68	SIC68 - 1E		SMB68
SIC68 - 2			SIC68 - 2E		
SIC68 - 3			SIC68 - 3E		

- The body of SMB Finish Boring Head is always designed to have coolant outlet.
- There are 3 types of insert seats and the boring range of insert seat can be enlarged by exchanging another insert seat.

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

STANDARD INSERT SEAT	OPTIONAL INSERT SEAT	
SIC25 - 1	SIC25 - 2	SIC25 - 3
$\phi 25 \sim \phi 33$	$\phi 32 \sim \phi 40$	$\phi 39 \sim \phi 49$

- SYIC_-1 insert seat is a standard accessory.
- SYIC_-2 and SYIC_-3 insert seats are optional accessories and need to be purchased additionally.

MODEL NO.	TYPE	SCK NO.	Insert seat	INSERT	Boring and processing at front			Boring and processing at back				WEIGHT (KGS)
					Boring Range	L	I ₁	Boring Range	I ₂	I ₃	d ₁	
SYIC - 19503	SMB25	SCK2	SIC25 - 1	TB06 TP08	25 ~ 33	35.5	32.5	-	11.5	21	12.5	0.12
			SIC25 - 2		32 ~ 40			36 ~ 40				
			SIC25 - 3		39 ~ 47			39 ~ 47				
SYIC - 19505	SMB32	SCK3	SIC32 - 1		32 ~ 42	40	35	-	10	25	16	0.21
			SIC32 - 2		41 ~ 51			46 ~ 51				
			SIC32 - 3		50 ~ 60			50 ~ 60				
SYIC - 19507	SMB41	SCK4	SIC41 - 1	TP09 TC11	41 ~ 54	47	43	-	14	29	20	0.40
			SIC41 - 2		50 ~ 63			53 ~ 63				
			SIC41 - 3		61 ~ 74			61 ~ 74				
SYIC - 19509	SMB53	SCK5	SIC53 - 1		53 ~ 70	57	53	62 ~ 70	19	34	25.5	1.10
			SIC53 - 2		65 ~ 82			65 ~ 82				
			SIC53 - 3		78 ~ 95			78 ~ 95				
SYIC - 19511	SMB68	SCK6	SIC68 - 1		68 ~ 100	71	67.2	80 ~ 100	22	45.2	32.5	1.74
			SIC68 - 2		94 ~ 126			94 ~ 126				
			SIC68 - 3		118 ~ 150			118 ~ 150				

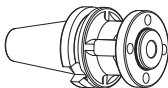
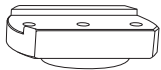
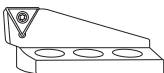
RBH-LA ROUGHING BORING HEAD

FOR OVER 200mm SERIES

MANUFACTURING DIAMETER ϕ 200 ~ ϕ 1250mm

SYIC-17640

RBH-LA 新型大孔徑雙刃粗搪頭 (200以上組合系列)
《加工直徑 ϕ 200~ ϕ 1250mm》

TYPE OF BORING HEAD	MODEL NO.		SYIC - 17642	SYIC - 17643	SYIC - 17644	SYIC - 17645	SYIC - 17646	SYIC - 17647
	TYPE		RBH 200LA	RBH 300LA	RBH 400LA	RBH 500LA	RBH 600LA	RBH 900LA
	LENGTH		130	130	130	130	130	130
	WEIGHT / SET (KG)		9.7 KG	11.7KG	13.7KG	15.7KG	17.7KG	19.7KG
	MANUFACTURING DIAMETER (mm)		200 ~ 310	300 ~ 410	400 ~ 510	500 ~ 610	600 ~ 950	900 ~ 1250
COMBINATION TYPE	SUITABLE TOOL HOLDER		BT50 - BST / NT50 - BST SERIES					FMA47.625
	CONNECTIVE PLATE		BR200					
	WEIGHT (KGS)		2.7 KG					
	HORIZONTAL SLIDE		RST200	RST300	RST400	RST500	RST300X2	RST300X2
	WEIGHT (KGS)		3.4 KG	5.4 KG	7.4 KG	9.4 KG	5.4 KG	5.4 KG
	HORIZONTAL SLIDE		RS200					
	WEIGHT (KGS)		0.98 KG					
	SPACER		RS201					
	WEIGHT (KGS)		0.05 KG					
	INSERT SEAT		RB200C12	RB200T16		RB200T22		RB200S12
	SUITABLE INSERT		CCMT120404	TCMT16T304		TCMT220404		CCMT120404
	WEIGHT (KGS)		0.68 KG					



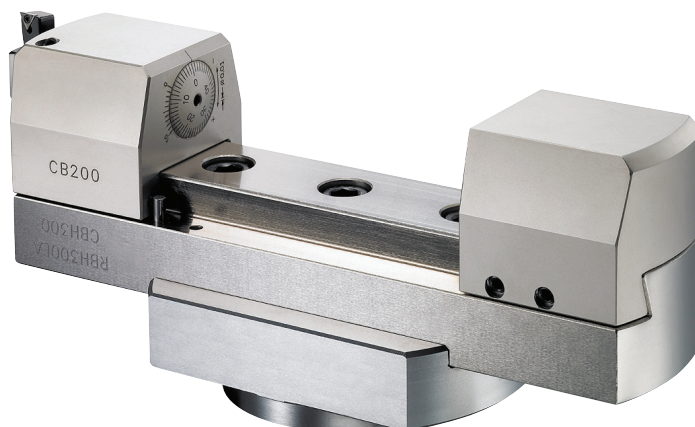
MICRO-ADJUSTMENT BORING HEAD

FOR OVER 200mm SERIES

MANUFACTURING DIAMETER ϕ 200 ~ ϕ 1250mm

SYIC-17660

新型大孔徑微調精搪頭 (200mm以上組合系列)
《加工直徑 ϕ 200~ ϕ 1250mm》



TYPE OF BORING HEAD	MODEL NO.	SYIC - 17659	SYIC - 17660	SYIC - 17661	SYIC - 17662	SYIC - 17663	SYIC - 17664
	TYPE	CBH200	CBH300	CBH400	CBH500	CBH600	CBH900
	LENGTH	130	130	130	130	130	130
	WEIGHT / SET (KG)	9.4 KG	11.4 KG	13.4 KG	15.4 KG	26 KG	34 KG
	MANUFACTURING DIAMETER (mm)	200 ~ 310	300 ~ 410	400 ~ 510	500 ~ 610	600 ~ 950	900 ~ 1250
COMBINATION TYPE	SUITABLE TOOL HOLDER	BT50 - BST / NT50 - BST SERIES				FMA47.625	
	CONNECTIVE PLATE	BR200					
	WEIGHT (KGS)	2.7 KG					
	HORIZONTAL SLIDE	RST200	RST300	RST400	RST500	RST300x2	RST300x2
	WEIGHT (KGS)	3.4 KG	5.4 KG	7.4 KG	9.4 KG	5.4 KG	5.4 KG
	BALANCING SLIDING BLOCK	RS200					
	WEIGHT (KGS)	1.6 KG					
	MICRO-ADJUSTED SLIDING BLOCK	CB200					
	WEIGHT (KGS)	1.6 KG					
	SUITABLE INSERT	TPGT08		TPGT09	TCGT110		

SYIC-17680

BT / NBH BT / BST 搪孔刀柄

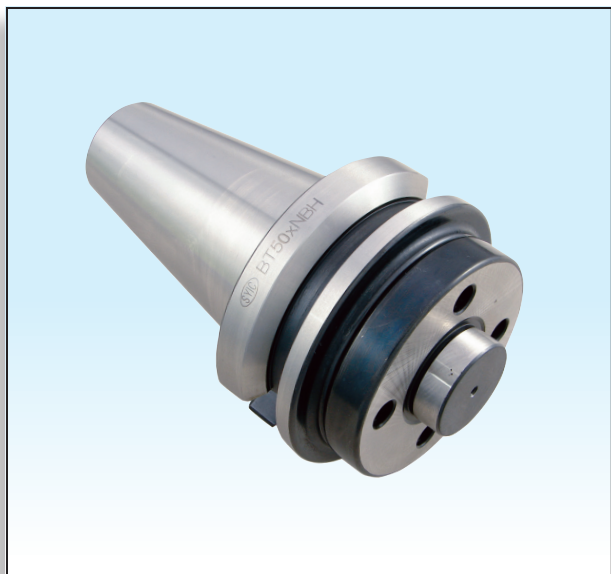


Fig.1

NBH

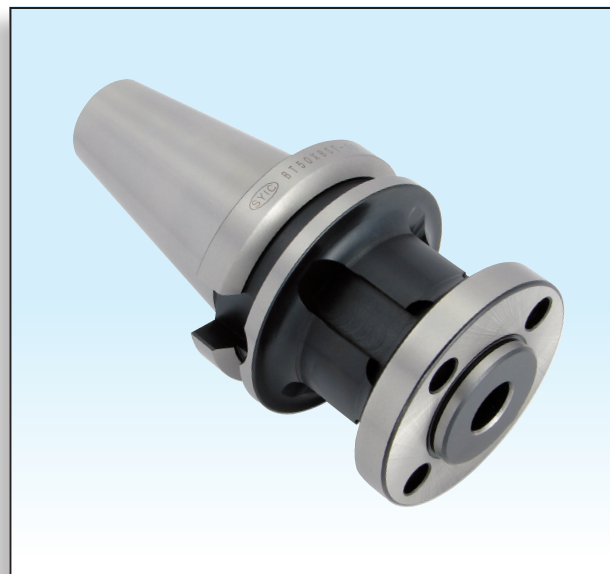
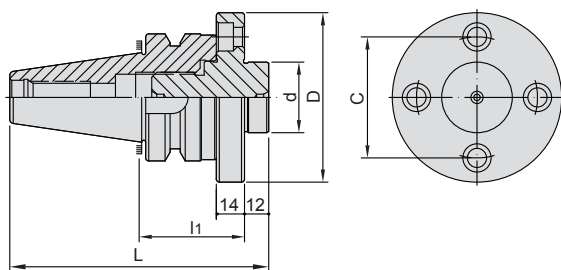
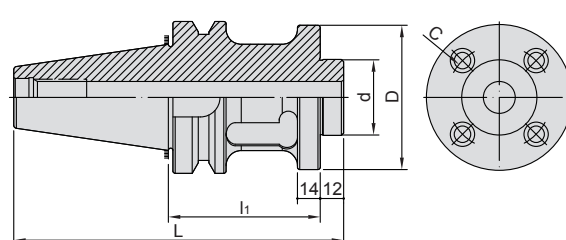


Fig.2

NBH/BST



- Boring Head Shank can be purchased separately instead of one set.
- Packaged with a cardboard box.
- Modular type. Can be used for various sizes of Boring Heads.
- Full set packed by a wooden box.
- Can order lengthened boring head shank.
- 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 request but the additional charge is needed.

MODEL NO.	TYPE	l ₁	L	D	d _{h7}	C	Fig	WEIGHT (KGS)
SYIC - 17681	BT30 x NBH2084B - 100	100	182.4	84	35	PCD ϕ 60 4 - M8 x 1.25P SCREW USE	2	1.90
SYIC - 17682	BT40 x NBH2084B - 100		204.4					2.00
SYIC - 17683	BT50 x NBH2084B - 100		213.8					4.00
SYIC - 17684	BT50 x NBH2084B - 165	165	278.8				1	4.50
SYIC - 17685	BT30 x NBH2084A	42	124.4					1.70
SYIC - 17686	BT40 x NBH2084A	51	155.4					1.70
SYIC - 17687	BT50 x NBH2084A	57	170.8	95	50	PCD ϕ 72 4 - ϕ 13	2	3.50
SYIC - 18422	BT50 x BST - 100	100	208.8					5.65
SYIC - 18424	BT50 x BST - 150	150	258.8					4.00
SYIC - 18426	BT50 x BST - 200	200	308.8					8.75
SYIC - 18428	BT50 x BST - 250	250	358.8					9.76
SYIC - 18430	BT50 x BST - 300	300	408.8					11.50
SYIC - 18432	BT50 x BST - 350	350	458.8					12.80

Option

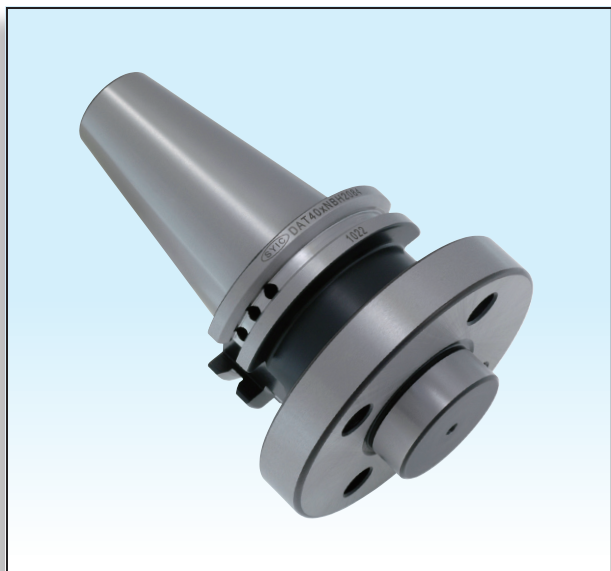
PULL STUDS

P222

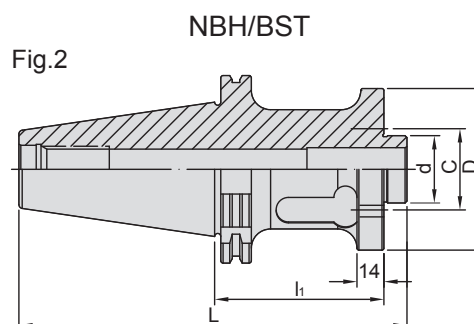
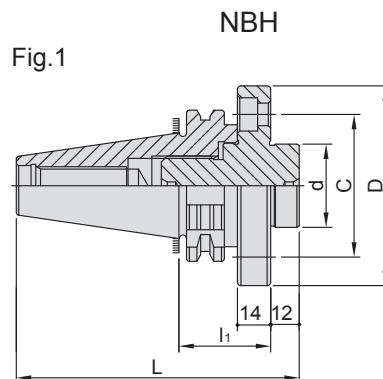


SYIC-45200

DAT / NBH DAT / BST 搪孔刀柄



- Boring Head Shank can be purchased separately instead of one set.
- Packaged with a cardboard box.
- Modular type. Can be used for various sizes of Boring Heads.
- Full set packed by a wooden box.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancion grade and revolution can be done according to customer request but the additional charge is needed.



MODEL NO.	TYPE	l ₁	L	D	d _{h7}	C	Fig	WEIGHT (KGS)
SYIC - 45210	DAT30 x NBH2084A	35	94.8	84	35	PCD. ϕ 60 4-M8 x 1.25P SCREW USE	1	1.70
SYIC - 45212	DAT30 x NBH2084B - 100	100	159.8				2	1.90
SYIC - 45215	DAT40 x NBH2084A	35	115.4				1	1.70
SYIC - 45217	DAT40 x NBH2084B - 100	100	180.4				2	2.00
SYIC - 45218	DAT50 x NBH2084A	35	148.75				1	3.50
SYIC - 45220	DAT50 x NBH2084B	100	213.75				2	4.00
SYIC - 45230	DAT50 x BST-150	150	258.75	95	50	PCD ϕ 72 4- ϕ 13	2	4.00
SYIC - 45230 - 200	DAT50 x BST-200	200	308.75					8.75
SYIC - 45230 - 250	DAT50 x BST-250	250	358.75					9.76

Option

PULL STUDS

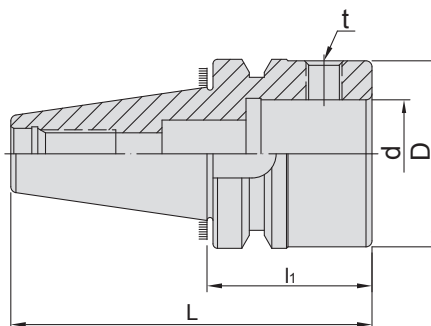


P224

PRECISION BT BORING HEAD SHANK

SYIC-17688

BT / SBJ 搪孔刀柄



- Boring Head Shank can be purchased separately instead of one set.
- Packaged with a cardboard box.
- Modular type. Can be used for various sizes of Boring Heads.
- Full set packed by a wooden box.

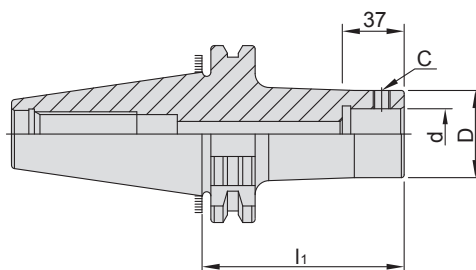
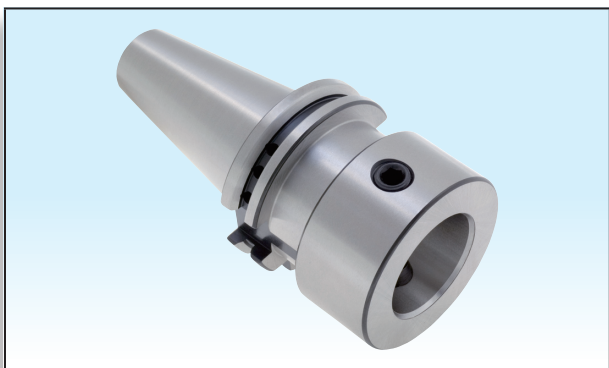
- Lengthened boring head shank can be ordered by request.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE	l ₁	L	D	d _{h7}	t	WEIGHT (KGS)
SYIC - 17688	BT30 x SBJ16	60	108.4	63	36	M12 x 1.75P	1.1
SYIC - 17689	BT40 x SBJ16	55	120.4				1.2
SYIC - 17690	BT50 x SBJ16	88.2	190				3.7

PRECISION DAT BORING HEAD SHANK

SYIC-45220

DAT / SBJ 搪孔刀柄



- Boring Head Shank can be purchased separately instead of one set.
- Packaged with a cardboard box.
- Modular type. Can be used for various sizes of Boring Heads.
- Full set packed by a wooden box.

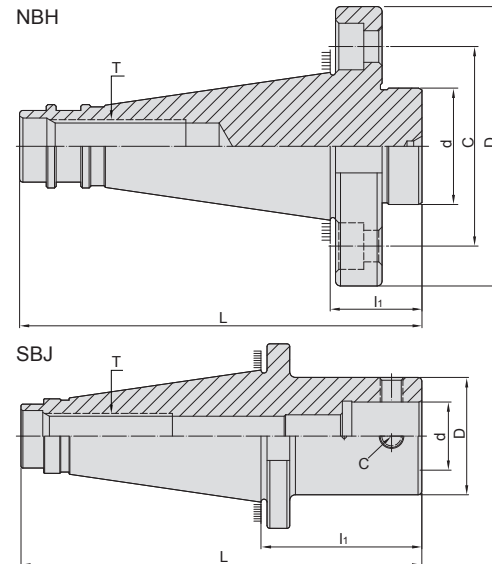
- Lengthened boring head shank can be ordered by request.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE	l ₁	L	D	d _{h7}	C	WEIGHT (KGS)
SYIC - 45222	DAT30 x SBJ16	59.6	107.4	62	36	M12 x 1.75P	1.1
SYIC - 45225	DAT40 x SBJ16	54.6	123				1.2
SYIC - 45228	DAT50 x SBJ16	88.2	189.95				3.7

SYIC-82600



搪頭刀柄



- Steel: SCM - 21. HRC: 58°.
- Can purchase one boring head and some boring head shanks of different specifications for different machine use.
- Can order lengthened boring head shank by request.
- Boring head shank can be purchased separately, cardboard box packing.

MODEL NO.	TYPE	L	l ₁	D	d	C	T	WEIGHT (KGS)
SYIC - 82632	C32 x NBH2084	95	14	84	35	P.CD ϕ 60 4 - M8	-	1.1
SYIC - 82635	R8 x NBH2084	122	41				7/16" - 20	1.1
SYIC - 82638	MTB3 x NBH2084	112	31				1/2" - 12 or M12 x 1.75P	1.0
SYIC - 82641	MTB4 x NBH2084	135	32.5				5/8" - 11 or M16 x 2.0P	1.3
SYIC - 82644	MTB5 x NBH2084	162	32.5				1" - 8 or M24 x 3.0P	2.3
SYIC - 82647	NT30 x NBH2084	96	27.6				1/2" - 12 or M12 x 1.75P	0.8
SYIC - 82650	NT40 x NBH2084	121	27.6				5/8" - 11 or M16 x 2.0P	1.2
SYIC - 82653	NT50 x NBH2084	168	41.2				1" - 8 or M24 x 3.0P	3.5
SYIC - 82656	C32 x SBJ16	135	55	63	36	M12	-	1.2
SYIC - 82659	C42 x SBJ16	135					7/16" - 20	1.6
SYIC - 82662	R8 x SBJ16	162					1/2" - 12 or M12 x 1.75P	1.1
SYIC - 82665	NT30 x SBJ16	128					5/8" - 11 or M16 x 2.0P	1.2
SYIC - 82668	NT40 x SBJ16	148					1" - 8 or M24 x 3.0P	3.7
SYIC - 82671	NT50 x SBJ16	215						

Option

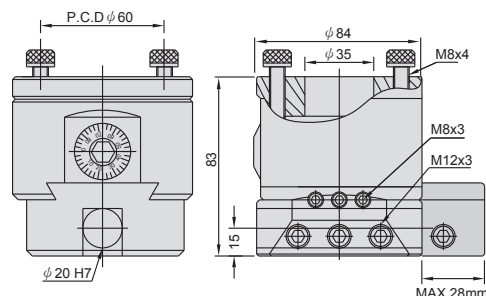
SBJ BORING HEAD FOR FINISHING



P168

SYIC-82704

NBH 高精密搪孔頭



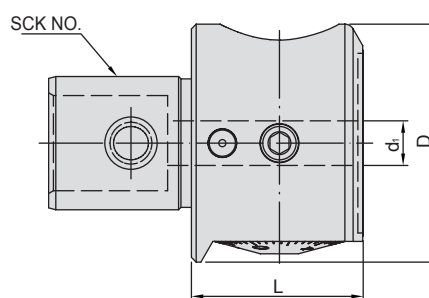
- Each increment 0.005mm.
- Boring range 8mm ~ 280mm.
- Can choose the shank for boring head fit for the machine spindle.
- Boring head only, not including shank & cutter.

MODEL NO.	TYPE	BORING CAPACITY	BODY DIA	STROKE	MIN FEED	TOOLING DIA	BODY LENGTH	WEIGHT (KGS)
SYIC - 82704	NBH - 2084	8 - 280 mm	84	28	0.01	φ 20	83	2.75

SBJ BORING HEAD FOR FINISHING

SYIC-19520

SBJ 高精密搪孔頭



- Minimum balance good for high speed boring.
- Can choose the shank for boring head fit for the machine spindle.
- Boring head only, not including shank & cutter.

MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	Boring Range	d ₁	D	L	WEIGHT (KGS)
SYIC - 19522	SBJ10	SCK4	6 ~ 22	10	39	28.5	0.25
SYIC - 19524	SBJ12	SCK5	6 ~ 32	12	50	36	0.50
SYIC - 19526	SBJ16	SCK6	6 ~ 50	16	63.5	45	1.00



SLEEVE FOR TUNGSTEN STEEL TOOL HOLDERS

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BORING

SHRINK FIT

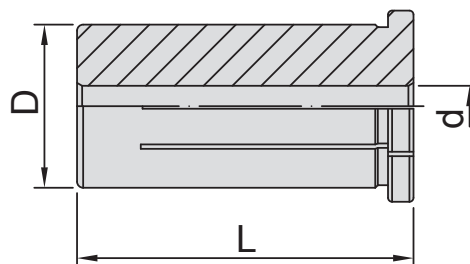
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-82790

鎢鋼刀柄專用套筒



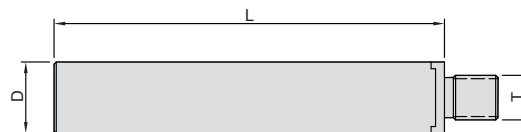
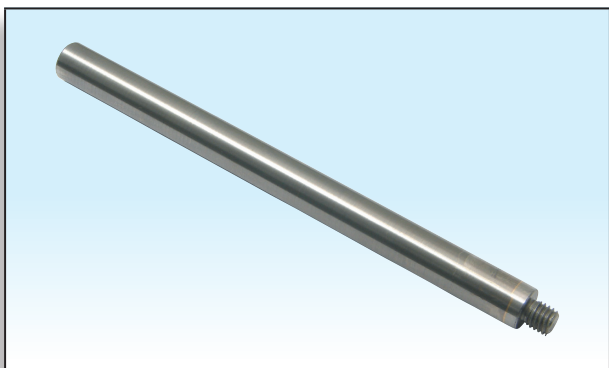
MODEL NO.	TYPE	D	d	L	WEIGHT (KGS)
SYIC - 82792	SBJ - 16 - 8K	16	8	37	0.08
SYIC - 82794	SBJ - 16 - 10K		10		0.04
SYIC - 82796	SBJ - 16 - 12K		12		0.02
SYIC - 82798	SBJ - 16 - 14K		14		0.01



ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER

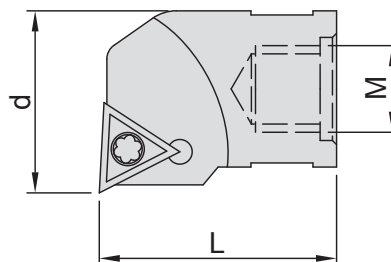
SYIC-82710

抗震鎢鋼刀柄



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

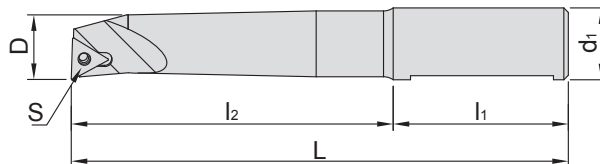
MODEL NO.	TYPE	D	L	T	SUITABLE BORING HEAD	BORING CAPACITY	WEIGHT (KGS)
SYIC - 82712	ST08 - W5 - 100L	8	100	M5	SEB09N	9mm ~ 13mm	0.08
SYIC - 82714	ST10 - W6 - 110L	10	110	M6	SEB12N	12mm ~ 15mm	0.12
SYIC - 82716	ST12 - W6 - 120L	12	120	M6	SEB14N	14mm ~ 17mm	0.21
SYIC - 82718	ST14 - W6 - 160L	14	160	M6	SEB16N	16mm ~ 20mm	0.34
SYIC - 82719	ST16 - W10 - 160L	16	160	M10	SEB18N SEB40N	18mm ~ 42mm	0.45



MODEL NO.	TYPE	BORING CAPACITY	d	L	M	INSERTS	SCREW	SPANNER	WEIGHT (KGS)
SYIC - 82732	SEB09N	9mm - 10.5mm	9	18	M5	TPGT080202	M2.2-5.0-2.5-60	T6	0.01
SYIC - 82733	SEB12N	12mm - 14mm	12	23	M6				0.01
SYIC - 82734	SEB14N	14mm - 16mm	14						0.01
SYIC - 82735	SEB16N	16mm - 18mm	16						0.01
SYIC - 82736	SEB18N	18mm - 20mm	18	27	M10				0.01
SYIC - 82737	SEB20N	20mm - 22mm	20						0.02
SYIC - 82738	SEB22N	22mm - 24mm	22						0.03
SYIC - 82739	SEB24N	24mm - 26mm	24						0.03
SYIC - 82740	SEB26N	26mm - 28mm	26						0.03
SYIC - 82741	SEB28N	28mm - 30mm	28						0.03
SYIC - 82742	SEB30N	30mm - 32mm	30						0.03
SYIC - 82743	SEB32N	32mm - 34mm	32						0.03
SYIC - 82744	SEB34N	34mm - 36mm	34						0.03
SYIC - 82745	SEB36N	36mm - 38mm	36						0.03
SYIC - 82746	SEB38N	38mm - 40mm	38						0.03
SYIC - 82747	SEB40N	40mm - 42mm	40						0.03

SYIC-82750

替換式 搪孔刀

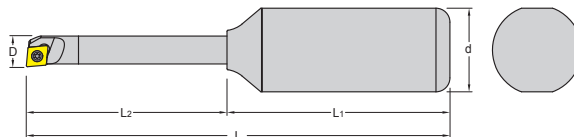


- Can purchase separately or 8pcs/set.
- Min. order quantity of each suitable insert is 10 pcs.

MODEL NO.	TYPE	BORING CAPACITY	D	d ₁	L	l ₁	l ₂	S	INSERTS	WRENCH	WEIGHT (KGS)	
SYIC - 82732	SBJ - 1008 - 24	8 - 11	8	10	58	25	33	M2	TBGT0601..	T6	0.02	
SYIC - 82734	SBJ - 1010 - 30	10 - 13	10		64		39	M2	TBGT0601..	T6	0.04	
SYIC - 82736	SBJ - 1012 - 36	12 - 17	12		70		45	M2.5	TPGH0902..	T8	0.04	
SYIC - 82738	SBJ - 1016 - 48	16 - 21	16		78		53	M2.5	TPGH0902..	T8	0.08	
SYIC - 82740	SBJ - 10 4PCS / SER INCLUDE BOX											
SYIC 82742	SBJ - 1208 - 28	8 - 11	8	12	67	30	37	M2	TBGT0601..	T6	0.04	
SYIC - 82744	SBJ - 1210 - 35	10 - 13	10		74		44	M2	TBGT0601..	T6	0.04	
SYIC - 82746	SBJ - 1212 - 42	12 - 17	12		81		51	M2.5	TPGH0902..	T8	0.06	
SYIC - 82748	SBJ - 1216 - 56	16 - 21	16		95		65	M2.5	TPGH0902..	T8	0.08	
SYIC - 82750	SBJ - 1220 - 70	20 - 26	20		105		75	M3	TPGH1103..	T8	0.12	
SYIC - 82751	SBJ - 12 5PCS / SER INCLUDE BOX											
SYIC - 82752	SBJ - 1608 - 32	8 - 11	8	16	64	32	32	M2	TBGT0601..	T6	0.06	
SYIC - 82754	SBJ - 1610 - 40	10 - 13	10		72		40	M2	TBGT0601..	T6	0.07	
SYIC - 82756	SBJ - 1612 - 53	12 - 17	12		85		53	M2.5	TPGH0902..	T8	0.08	
SYIC - 82758	SBJ - 1616 - 68	16 - 21	16		100		68	M2.5	TPGH0902..	T8	0.12	
SYIC - 82760	SBJ - 1620 - 83	20 - 26	20		115		83	M3	TPGH1103..	T8	0.16	
SYIC - 82762	SBJ - 1625 - 90	25 - 32	25		122		90	M3	TPGH1103..	T8	0.25	
SYIC - 82764	SBJ - 1630 - 90	30 - 42	30		122		90	M3	TPGH1103..	T8	0.30	
SYIC - 82766	SBJ - 1640 - 90	40 - 50	40		122		90	M3	TPGH1103..	T8	0.40	
SYIC - 82768	SBJ - 16 8PCS / SER INCLUDE BOX											2.70
SYIC - 82772	SBJ - 2008 - 32	8 - 11	8	20	64	32	32	M2	TBGT0601..	T6	0.09	
SYIC - 82774	SBJ - 2010 - 40	10 - 13	10		72		40	M2	TBGT0601..	T6	0.11	
SYIC - 82776	SBJ - 2012 - 53	12 - 17	12		85		53	M2.5	TPGH0902..	T8	0.11	
SYIC - 82778	SBJ - 2016 - 68	16 - 21	16		100		68	M2.5	TPGH0902..	T8	0.15	
SYIC - 82780	SBJ - 2020 - 83	20 - 26	20		115		83	M3	TPGH1103..	T8	0.20	
SYIC - 82782	SBJ - 2025 - 96	25 - MAX	25		128		96	M3	TPGH1103..	T8	0.30	
SYIC - 82784	SBJ - 2030 - 115	30 - MAX	30		147		115	M3	TPGH1103..	T8	0.50	
SYIC - 82786	SBJ - 20 - 20L	MAX	40		97	-	-	M3	TPGH1103..	T8	0.25	
SYIC - 82788	SBJ - 20 8PCS / SER INCLUDE BOX											3.00

SYIC-82700

鎢鋼替換式搪孔刀柄



- The use carbonizes the tungsten steel material quality, the working depth may reach the diameter the several fold.
- High rigidity, extension use bit life.
- The anti-knocking property is good. after the processing, the boring size is stable.

5 times long

MODEL NO.	TYPE	D	d	L	L ₁	L ₂	Boring range	Inserts Size	Screw	Wrench
SYIC - 82301	CSBJ - 1005 - 28	5.6	10	68	40	28	5.6 - 8	CC..03S1	M1.8-4.2-2.5-54	T6
SYIC - 82303	CSBJ - 1006 - 30	6		70		30	6 - 9			
SYIC - 82305	CSBJ - 1008 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82307	CSBJ - 1010 - 50	10		90		50	10 - 13			
SYIC - 82309	CSBJ - 1012 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	T8
SYIC - 82311	CSBJ - 1014 - 70	14		110		70	14 - 17			
SYIC - 82313	CSBJ-10 PCS/SER INCLUDE BOX									
SYIC - 82315	CSBJ - 1205 - 28	5.6	12	68	40	28	5.6 - 8	CC..03S1	M1.8-4.2-2.5-54	T6
SYIC - 82317	CSBJ - 1206 - 30	6		70		30	6 - 9			
SYIC - 82319	CSBJ - 1208 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82321	CSBJ - 1210 - 50	10		90		50	10 - 13			
SYIC - 82323	CSBJ - 1212 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	T8
SYIC - 82325	CSBJ - 1214 - 70	14		110		70	14 - 17			
SYIC - 82327	CSBJ-12 PCS/SER INCLUDE BOX									
SYIC - 82329	CSBJ - 1605 - 28	5.6	16	68	40	28	5.6 - 8	CC..031	M1.8-4.2-2.5-54	T6
SYIC - 82331	CSBJ - 1606 - 30	6		70		30	6 - 9			
SYIC - 82333	CSBJ - 1608 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82335	CSBJ - 1610 - 50	10		90		50	10 - 13			
SYIC - 82337	CSBJ - 1612 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	T8
SYIC - 82339	CSBJ - 1614 - 70	14		110		70	14 - 17			
SYIC - 82341	CSBJ - 1616 - 80	16		120		80	16 - 19	TP..1103	M3-8.0-4.0-43	T9
SYIC - 82343	CSBJ - 1618 - 90	18		130		-	-			
SYIC - 82345	CSBJ-16 PCS/SER INCLUDE BOX									

6 times long

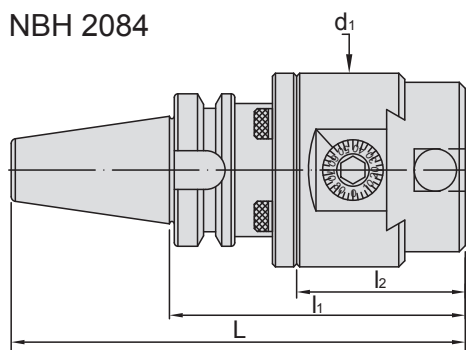
MODEL NO.	TYPE	D	d	L	L ₁	L ₂	Boring range	Inserts Size	Screw	Wrench
SYIC - 82830	CSBJ - 2005 - 34	5.6	20	74	40	34	5.6 - 8	CC..031	M1.8-4.2-2.5-54	T6
SYIC - 82832	CSBJ - 2006 - 36	6		76		36	6 - 9			
SYIC - 82834	CSBJ - 2008 - 48	8		88		48	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82836	CSBJ - 2010 - 60	10		100		60	10 - 13			
SYIC - 82838	CSBJ - 2012 - 72	12		112		72	12 - 15	TP..0902	M2.5-6.0-3.5-60	T8
SYIC - 82840	CSBJ - 2014 - 84	14		124		84	14 - 17			
SYIC - 82842	CSBJ - 2016 - 96	16		136		96	16 - 19	TP..1103	M3-8.0-4.0-43	T9
SYIC - 82844	CSBJ - 2018 - 108	18		148		-	-			
SYIC - 82746	CSBJ-16 PCS/SER INCLUDE BOX									

SYIC-17690

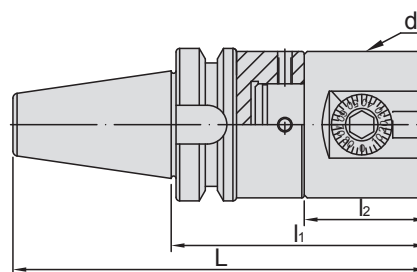
高精密搪孔組



NBH 2084



SBJ 16

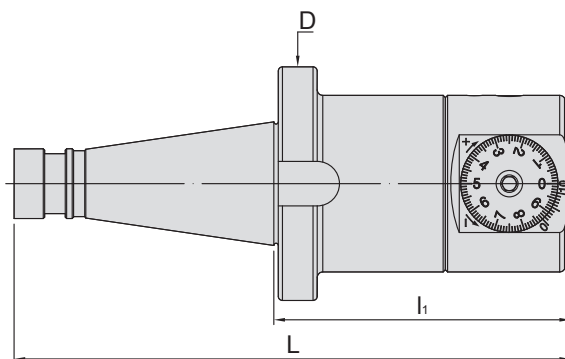


- Including shank and boring head, but without boring cutters.
- Can order lengthened Boring Head Shank by request.
- See SYIC-17500 & SYIC-17680 for BT Boring Head Shank.
- See SYIC-45200 & SYIC-47500 for DAT Boring Head Shank.
- See SYIC-82704 for NBH2084 Boring Head.
- See SYIC-19250 for SBJ Boring Head.
- See SYIC-82750 for boring cutters.
- 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 request but the additional charge is needed.
- Cardboard box packing.

MODEL NO.	TYPE	Boring depth	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
SYIC - 17695	BT40 x NBH2084	98	200.4	125	83	84	4.60
SYIC - 17696	BT50 x NBH2084	135	242.8	171	83	84	7.30
SYIC - 17697H - SBJ10	BT30 x SBJ10	66.5	136.9	88.5	28.5	39	1.25
SYIC - 17697H - SBJ12	BT30 x SBJ12	84	154.4	106	36	50	1.60
SYIC - 17697	BT30 x SBJ16	115	168	119.6	45	63.5	2.70
SYIC - 17698H - SBJ10	BT40 x SBJ10	71.5	163.9	98.5	28.5	39	1.70
SYIC - 17698H - SBJ12	BT40 x SBJ12	69	161.4	96	36	50	2.30
SYIC - 17698	BT40 x SBJ16	105	180	114.6	45	63.5	2.80
SYIC - 17699H - SBJ10	BT50 x SBJ10	90	229.8	128.5	28.5	39	5.05
SYIC - 17699H - SBJ12	BT50 x SBJ12	58	197.8	96	36	50	5.90
SYIC - 17699	BT50 x SBJ16	148	250	148.2	45	63.5	5.30
SYIC - 45115	DAT40 x NBH2084	98	186.4	118	83	84	4.60
SYIC - 45118	DAT50 x NBH2084	135	219.75				7.30
SYIC - 45146	DAT30 x SBJ10	58.5	126.3	78.5	28.5	39	1.55
SYIC - 45150	DAT30 x SBJ16	115	142.8	95	45	63.5	2.70
SYIC - 45151	DAT40 x SBJ10	88.5	176.9	108.5	28.5	39	1.55
SYIC - 45153	DAT40 x SBJ12	111	199.4	131	36	50	1.90
SYIC - 45155	DAT40 x SBJ16	105	163.4	95	45	63.5	2.80
SYIC - 45156	DAT50 x SBJ10	118.5	240.25	138.5	28.5	39	3.65
SYIC - 45158	DAT50 x SBJ12	81	202.75	101	36	50	4.00
SYIC - 45160	DAT50 x SBJ16	148	196.75	95	45	63.5	5.30

SYIC-82550

高精密搪孔組



- SYIC-82550 includes boring shank and head but not including cutter.
- Can order lengthened boring head shank by request.
- Packed with a cardboard box.
- When ordering, please inform Drew Bar thread you need.
- For tool holders, please refer to SYIC-82600.

MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	D	DRAW BAR	WEIGHT (KGS)
SYIC - 82572	C32 x NBH2084	6 ~ 300mm	180	100	84	-	3.9
SYIC - 82574	R8 x NBH2084		207			7/16" - 20	3.9
SYIC - 82576	MTB3 x NBH2084		181			1/2" - 12 or M12 x 1.75P	3.8
SYIC - 82578	MTB4 x NBH2084		202.5			5/8" - 11 or M16 x 2.0P	4.0
SYIC - 82580	MTB5 x NBH2084		229.5			1" - 8 or M24 x 3.0P	5.1
SYIC - 82582	NT30 x NBH2084		168.4			1/2" - 12 or M12 x 1.75P	3.6
SYIC - 82584	NT40 x NBH2084		193.4			5/8" - 11 or M16 x 2.0P	4.0
SYIC - 82586	NT50 x NBH2084		226.8	115	97.5	1" - 8 or M24 x 3.0P	6.3
SYIC - 82588	C32 x SBJ16	8 ~ 50mm	153	73	62	-	2.4
SYIC - 82590	C42 x SBJ16		153			-	2.9
SYIC - 82592	R8 x SBJ16		180			7/16" - 20	2.5
SYIC - 82594	NT30 x SBJ16		141.4	75	63	1/2" - 12 or M12 x 1.75P	2.3
SYIC - 82596	NT40 x SBJ16		168.4			5/8" - 11 or M16 x 2.0P	2.5
SYIC - 82598	NT50 x SBJ16		203.8	77	97.5	1" - 8 or M24 x 3.0P	5.0

SYIC-17670

BT 高精密 套裝搪孔頭



- 8 PCS boring cutter w/o inserts.



- 3 PCS boring cutter w/o inserts.
(SBJ-2010-40/SBJ2020-83/SBJ20-20L)

MODEL NO.	TYPE	BORING CAPACITY	INCLUDED ACCESSORIES
SYIC - 17675 - 3P	BT40 x NBH2084	8 ~ 280mm	• 1 PCS head with toolholder. • 3 PCS boring cutter w/o inserts. (SBJ-2010-40 / SBJ2020-83 / SBJ20-20L) • 1 PCS Box. • 3 PCS wrench.
SYIC - 17676 - 3P	BT50 x NBH2084		
SYIC - 17675 - 8P	BT40 x NBH2084		
SYIC - 17676 - 8P	BT50 x NBH2084		
SYIC - 17677 - SBJ10	BT30 x SBJ10	8 ~ 21mm	• 1 PCS head with toolholder. • 4 PCS boring cutter w/o inserts. • 1 PCS Box. • 2 PCS wrench.
SYIC - 17678 - SBJ10	BT40 x SBJ10		
SYIC - 17679 - SBJ10	BT50 x SBJ10		
SYIC - 17677 - SBJ12	BT30 x SBJ12	8 ~ 26mm	• 1 PCS head with toolholder. • 5 PCS boring cutter w/o inserts. • 1 PCS Box. • 2 PCS wrench.
SYIC - 17678 - SBJ12	BT40 x SBJ12		
SYIC - 17679 - SBJ12	BT50 x SBJ12		
SYIC - 17677	BT30 x SBJ16	8 ~ 50mm	• 1 PCS head with toolholder. • 8 PCS boring cutter w/o inserts. • 1 PCS Box. • 2 PCS wrench.
SYIC - 17678	BT40 x SBJ16		
SYIC - 17679	BT50 x SBJ16		