



STRAIGHT COLLET

BT / MLD MULTI - LOCK MILLING CHUCK
COOLANT TYPE

SYIC-15900

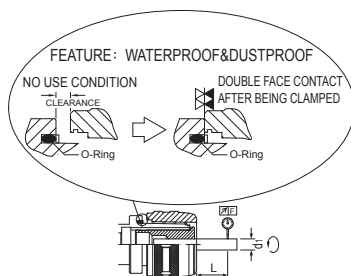
BT / MLD 直式筒夾 銑床夾頭

優良設計產品
GOOD DESIGN PRODUCT台灣精品 2007
TAIWAN EXCELLENCE

T W PAT NO. M 255088
T W PAT NO. M 248535
T W PAT NO. M 336833
T W PAT NO. M 282763
T W PAT NO. M 286103
J P PAT NO. 3101740
C N PAT NO. ZL200320127039.7
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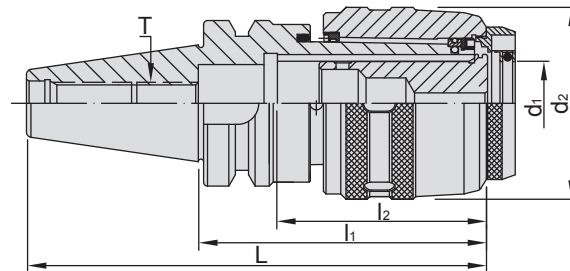
Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d ₁	END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L	END MILL LENGTH	25	30	30	40	40	50	50	60	60
F	CONCENTRICITY	0.02								



SLOTTING

This design is to make 6 slots inside the internal hole to prevent slipping and increase clamping power.

NEEDLE BEARING

It adopts two line device in order to decrease rolling friction and slipping during sliding by taper side.

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- 4 adjustable coolant ports for directing coolant.



- W/O coolant hole nut (SYIC-19490) is for coolant through the cutting tool.

MODEL NO.	TYPE	L	l ₁	l ₂	T	d ₁	d ₂	WEIGHT (KGS)
SYIC - 15902	BT30 x MLD20 - 75	123.4	75	55	M12 x 1.75P	20	55	1.9
SYIC - 15904	BT30 x MLD20 - 90	138.4	90	55		20	55	2.1
SYIC - 15908	BT30 x MLD25 - 90	138.4	90	55		25	60	2.2
SYIC - 15912	BT40 x MLD20 - 80	145.4	80	55	M16 x 2.0P	20	55	2.3
SYIC - 15914	BT40 x MLD20 - 100	165.4	100	55		20	55	2.5
SYIC - 15916	BT40 x MLD20 - 135	200.4	135	55		20	60	2.8
SYIC - 15918	BT40 x MLD25 - 80	145.4	80	55		25	60	2.8
SYIC - 15920	BT40 x MLD25 - 100	165.4	100	55		25	60	2.9
SYIC - 15922	BT40 x MLD32 - 95	160.4	95	65		32	73	2.7
SYIC - 15924	BT40 x MLD32 - 105	170.4	105	65		32	73	2.7
SYIC - 15926	BT40 x MLD32 - 135	200.4	135	65	M24 x 3.0P	32	73	3.0
SYIC - 15928	BT50 x MLD20 - 105	206.8	105	55		20	55	4.5
SYIC - 15930	BT50 x MLD20 - 150	251.8	150	55		20	55	4.9
SYIC - 15932	BT50 x MLD25 - 105	206.8	105	55		25	60	4.9
SYIC - 15934	BT50 x MLD25 - 135	236.8	135	55		25	60	5.0
SYIC - 15936	BT50 x MLD32 - 135	236.8	135	65		32	73	5.2
SYIC - 15938	BT50 x MLD32 - 165	266.8	165	65		32	73	5.9

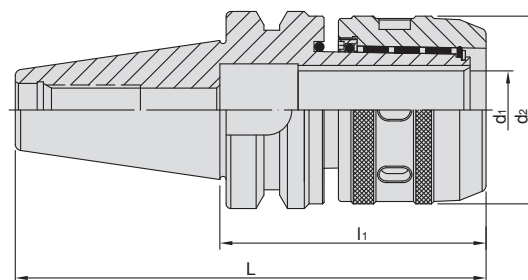
Standard Accessory: • NUT • PRESET SCREW

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P235	P243	P250	P222	P275

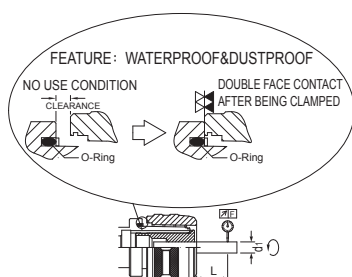
SYIC-15950T

BT / MLT 直式筒夾 銑床夾頭



Benefit:

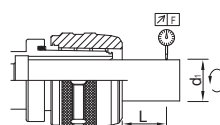
- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d ₁ END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



UNIT: mm

L	MLT20	60
	MLT32	80
	MLT40	100
F CONCENTRICITY	0.001 ~ 0.005	

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 15952T	BT30 x MLT20 - 75	123.4	75	20	55	1.8
SYIC - 15954T	BT30 x MLT20 - 90	138.4	90			2.0
SYIC - 15956T	BT40 x MLT20 - 80	145.4	80	20	55	2.3
SYIC - 15958T	BT40 x MLT20 - 100	165.4	100			2.5
SYIC - 15960T	BT40 x MLT20 - 135	200.4	135			2.8
SYIC - 15962T	BT40 x MLT32 - 90	155.4	90	32	73	2.7
SYIC - 15964T	BT40 x MLT32 - 105	170.4	105			2.7
SYIC - 15966T	BT40 x MLT32 - 135	200.4	135			3.0
SYIC - 15972T	BT50 x MLT20 - 105	206.8	105	20	55	4.5
SYIC - 15974T	BT50 x MLT20 - 150	251.8	150			4.9
SYIC - 15976T	BT50 x MLT32 - 110	211.8	110			5.2
SYIC - 15978T	BT50 x MLT32 - 135	236.8	135	32	73	5.9
SYIC - 15980T	BT50 x MLT32 - 165	266.8	165			6.6
SYIC - 15982T	BT50 x MLT42 - 110	211.8	110			6.0
SYIC - 15984T	BT50 x MLT42 - 130	231.8	130	42	95	6.5
SYIC - 15986T	BT50 x MLT42 - 165	266.8	165			7.4

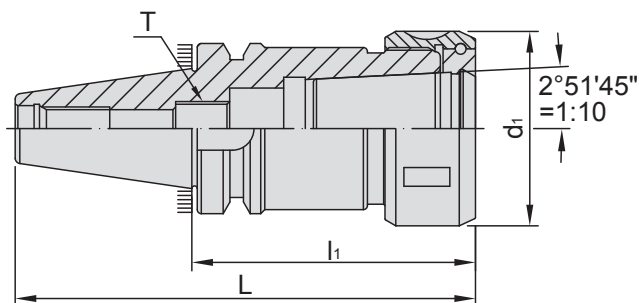
Option

COLLET	SPANNER	PULL STUDS
P235	P250	P222

SYIC-16000

BT / EOC 立銑刀夾頭

DIN ISO 10897



- Each collet chuck has been locked with a nut, but not including a spanner and collet.
- The DRAW BAR's thread (d1) can make pull studs locked precisely and easily, including 45°, 60°, and 90°.
- Suitable for heavy-duty cutting.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- While ordering, other Power Good Nuts could be purchased separately for combination.

MODEL NO.	TYPE	L	l ₁	d ₁	T	WEIGHT (KGS)
SYIC - 16001	BT30 x EOC25 - 70	118.4	70	60	M12 x 1.75P	1.00
SYIC - 16021	BT40 x EOC25 - 70	135.4	70	60	M16 x 2.0P	1.65
SYIC - 16023	BT40 x EOC25 - 100	165.4	100			2.25
SYIC - 16026	BT40 x EOC25 - 120	185.4	120			2.70
SYIC - 16027	BT40 x EOC32 - 90	155.4	90			2.00
SYIC - 16029	BT40 x EOC32 - 105	170.4	105	72	M20 x 2.0P	2.20
SYIC - 16031	BT40 x EOC32 - 120	185.4	120			2.45
SYIC - 16041	BT50 x EOC25 - 85	186.8	85			4.40
SYIC - 16043	BT50 x EOC25 - 100	201.8	100	60	M16 x 2.0P	4.80
SYIC - 16046	BT50 x EOC25 - 120	221.8	120			5.20
SYIC - 16047	BT50 x EOC32 - 90	191.8	90			4.60
SYIC - 16049	BT50 x EOC32 - 105	206.8	105	72	M24 x 2.0P	4.85
SYIC - 16051	BT50 x EOC32 - 120	221.8	120			5.35

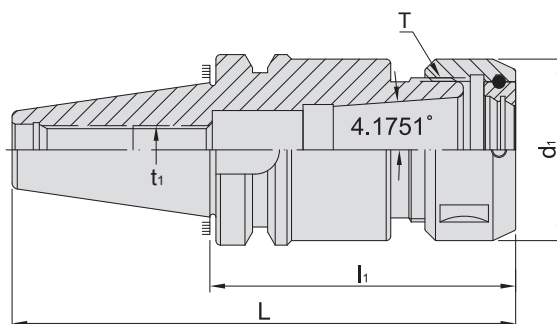
Standard Accessory: • STANDARD NUT

Option

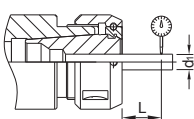
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
				
P236	P244	P250	P222	P275

SYIC-16060

BT / TG 立銑刀夾頭



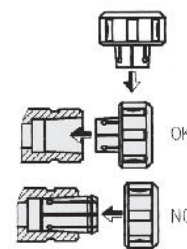
d ₁ TEST BAR DIAMETER MIN. MAX.	L	ROUND CONCENTRICITY
3 6	16	0.01
6 10	25	
10 18	40	
18 24	50	0.01
24 32	60	



★ Every collet shipped out of the factory has been passed inspection.

★ Standard testing table is in accordance with the cutting length and precise requirements of various sizes of END MILLS.

- Collet taper is 4.1751°, good concentricity and clamping capacity.
- Suitable for heavy-duty cutting.
- Particular square thread design, with good clamping capacity.
- The price includes a nut, but without any spanner and collets.
- While ordering, other Power Good Nuts could be purchased separately for combination.
- The pre-balance can reach G6.3 10,000 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	l ₁	d ₁	t ₁	T	WEIGHT (KGS)
SYIC - 16056	BT30 x TG75 - 70	118.4	70	50	M16 x 2.0P	TW 1-1/2" - 12	1.10
SYIC - 16058	BT30 x TG75 - 100	148.4	100	50			1.15
SYIC - 16060	BT30 x TG100 - 100	148.4	100	60	-	TW 1-7/8" - 12	1.20
SYIC - 16068	BT40 x TG100 - 70	135.4	70	60	M16 x 2.0P		1.20
SYIC - 16070	BT40 x TG100 - 100	165.4	100	60			1.30
SYIC - 16072	BT40 x TG100 - 120	185.4	120	60			2.40
SYIC - 16074	BT40 x TG150 - 105	170.4	105	82	M24 x 2.0P	TW 2-5/8" - 12	2.70
SYIC - 16076	BT40 x TG150 - 120	185.4	120	82			2.90
SYIC - 16078	BT40 x TG150 - 135	200.4	135	82			3.20
SYIC - 16088	BT50 x TG100 - 85	186.8	85	60	M24 x 2.0P	TW 1-7/8" - 12	3.40
SYIC - 16090	BT50 x TG100 - 100	201.8	100	60			4.40
SYIC - 16092	BT50 x TG100 - 120	221.8	120	60			5.10
SYIC - 16094	BT50 x TG150 - 90	191.8	90	82		TW 2-5/8" - 12	5.70
SYIC - 16096	BT50 x TG150 - 105	206.8	105	82			6.10
SYIC - 16098	BT50 x TG150 - 120	221.8	120	82			6.50

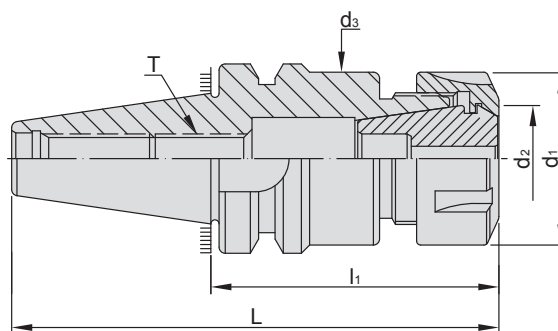
Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P238	P245	P250	P222	P275

SYIC-16100

BT / ER 立銑刀夾頭

DIN ISO 15488



- Thread with precise grinding.
- ER16, ER20 has a hexagon nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.
- The pre-balance can reach G6.3 10,000 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 ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16101 - 50	BT30 x ER16A - 50	98.4	28	16	28	M10 x 1.5P	0.5 ~ 10.0	0.45
SYIC - 16101	BT30 x ER16A - 70	118.4	28	16	28			0.55
SYIC - 16102	BT30 x ER16A - 60	108.4	28	16	28			0.60
SYIC - 16104	BT30 x ER16A - 100	148.4	28	16	28			0.80
SYIC - 16105	BT30 x ER16A - 120	168.4	28	16	28			0.95
SYIC - 16106 - 50	BT30 x ER20A - 50	98.4	34	20	34	M12 x 1.75P	1.0 ~ 13.0	0.48
SYIC - 16106	BT30 x ER20A - 70	118.4	34	20	34			0.75
SYIC - 16107	BT30 x ER20A - 135	183.4	34	20	34			1.15
SYIC - 16109	BT30 x ER25 - 70	118.4	42	25	42	M16 x 2.0P	1.0 ~ 16.0	0.70
SYIC - 16111	BT30 x ER25 - 135	183.4	42	25	42			1.45
SYIC - 16113	BT30 x ER32 - 70	118.4	50	32	45		2.0 ~ 20.0	0.85
SYIC - 16114	BT30 x ER32 - 100	148.4	50	32	45			1.00
SYIC - 16115	BT30 x ER40 - 80	128.4	63	40	53		3.0 ~ 26.0	1.10

Standard Accessory: • STANDARD NUT

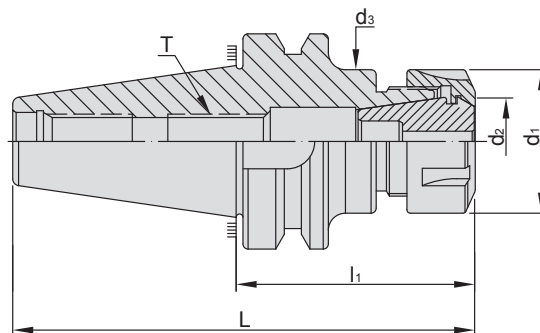
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P222	P275

SYIC-16150

BT / ER 立銑刀夾頭

DIN ISO 15488



- Can clamp straight cutters and tools.
- ER16, ER20 has a hexagon nut as attachment.
- ER25, ER32, ER40, ER50 has a UM/RD standard nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.

- The pre-balance can reach G6.3 10,000 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 ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16151	BT40 x ER16A - 70	135.4	28	16	28	M10 x 1.5P	0.5 ~ 10.0	1.20
SYIC - 16153	BT40 x ER16A - 100	165.4						1.30
SYIC - 16155	BT40 x ER16A - 125	190.4						1.36
SYIC - 16157	BT40 x ER16A - 150	215.4						1.54
SYIC - 16158	BT40 x ER16A - 180	245.4						2.00
SYIC - 16159	BT40 x ER20A - 70	135.4	34	20	34	M12 x 1.75P	1.0 ~ 13.0	1.40
SYIC - 16162	BT40 x ER20A - 100	165.4						1.50
SYIC - 16165	BT40 x ER20A - 135	200.4						1.70
SYIC - 16167	BT40 x ER20A - 150	215.4						1.80
SYIC - 16169	BT40 x ER25 - 70	135.4	42	25	42	M16 x 2.0P	1.0 ~ 16.0	1.30
SYIC - 16171	BT40 x ER25 - 100	165.4						1.50
SYIC - 16173	BT40 x ER25 - 125	190.4						1.90
SYIC - 16175	BT40 x ER25 - 150	215.4						2.25
SYIC - 16177	BT40 x ER32 - 70	135.4						1.30
SYIC - 16179	BT40 x ER32 - 100	165.4	50	32	45	M20 x 2.0P	2.0 ~ 20.0	1.70
SYIC - 16181	BT40 x ER32 - 150	215.4						2.50
SYIC - 16183	BT40 x ER40 - 80	145.4						1.50
SYIC - 16185	BT40 x ER40 - 100	165.4	63	40	53	M24 x 2.0P	3.0 ~ 26.0	2.05
SYIC - 16187	BT40 x ER40 - 120	185.4						2.50
SYIC - 16189	BT40 x ER40 - 150	215.4						3.10
SYIC - 16191	BT40 x ER50 - 85	150.4	78	50	60	M24 x 2.0P	5.0 ~ 34.0	1.70
SYIC - 16193	BT40 x ER50 - 100	165.4						2.10

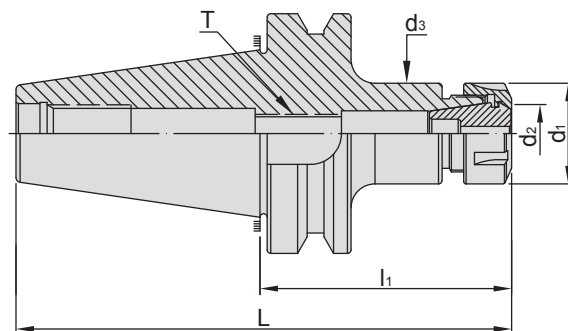
Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P222	P275

SYIC-16250

BT / ER 立銑刀夾頭

DIN ISO 15488



- Can clamp straight cutters and tools.
- ER16, ER20 has a hexagon nut as attachment.

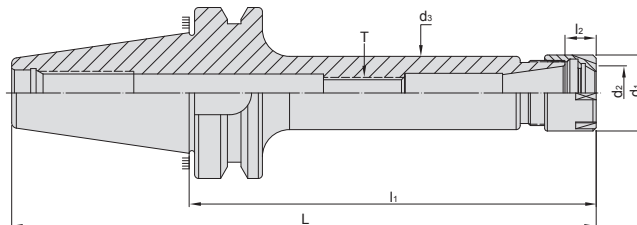
- ER25, ER32, ER40, ER50 has a UM/RD standard nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE - l ₁	L	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16251	BT50 x ER16A - 70	171.8	28	16	28	M10 x 1.5P	0.5 ~ 10.0	4.05
SYIC - 16252	BT50 x ER16A - 90	191.8						4.20
SYIC - 16253	BT50 x ER16A - 105	206.8						4.30
SYIC - 16254	BT50 x ER16A - 135	236.8						4.40
SYIC - 16255	BT50 x ER16A - 150	251.8						4.50
SYIC - 16259	BT50 x ER16A - 165	266.8						4.50
SYIC - 16261	BT50 x ER20A - 70	171.8	34	20	34	M12 x 1.75P	1.0 ~ 13.0	4.20
SYIC - 16263	BT50 x ER20A - 90	191.8						4.25
SYIC - 16265	BT50 x ER20A - 105	206.8						4.30
SYIC - 16267	BT50 x ER20A - 135	236.8						4.55
SYIC - 16269	BT50 x ER20A - 150	251.8						4.70
SYIC - 16271	BT50 x ER20A - 165	266.8						4.80
SYIC - 16272	BT50 x ER20A - 200	301.8	42	25	42	M16 x 2.0P	2.0 ~ 20.0	4.90
SYIC - 16273	BT50 x ER25 - 70	171.8						4.20
SYIC - 16275	BT50 x ER25 - 105	206.8						4.40
SYIC - 16277	BT50 x ER25 - 135	236.8						4.70
SYIC - 16279	BT50 x ER25 - 165	266.8						5.00
SYIC - 16281	BT50 x ER32 - 80	181.8						4.70
SYIC - 16282	BT50 x ER32 - 100	201.8	50	32	50	M20 x 2.0P	3.0 ~ 26.0	4.80
SYIC - 16283	BT50 x ER32 - 120	221.8						4.90
SYIC - 16284	BT50 x ER32 - 150	251.8						5.30
SYIC - 16284 - 200	BT50 x ER32 - 200	301.8						5.50
SYIC - 16285	BT50 x ER40 - 80	181.8						4.30
SYIC - 16286	BT50 x ER40 - 100	201.8						4.40
SYIC - 16287	BT50 x ER40 - 120	221.8	63	40	63	M24 x 2.0P	5.0 ~ 34.0	5.20
SYIC - 16289	BT50 x ER40 - 135	236.8						5.50
SYIC - 16291	BT50 x ER50 - 90	191.8						4.60
SYIC - 16293	BT50 x ER50 - 120	221.8						5.50
SYIC - 16295	BT50 x ER50 - 165	266.8						6.10

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P222	P275



- The pre-balance can reach G6.3 10,000 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 ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16302	BT30 x ER11M - 70	118.4	6.6	16	11	15	M6 x 1.0P	0.5 ~ 7.0	0.50
SYIC - 16304	BT30 x ER11M - 100	148.4							0.60
SYIC - 16306	BT30 x ER11M - 120	168.4							0.70
SYIC - 16308	BT30 x ER16M - 70	118.4	10.6	22	16	21	M10 x 1.5P	0.5 ~ 10.0	0.55
SYIC - 16310	BT30 x ER16M - 100	148.4							0.65
SYIC - 16312	BT30 x ER16M - 120	168.4							0.75
SYIC - 16313	BT30 x ER20M - 70	118.4	11.5	28	20	27	M12 x 1.75P	1.0 ~ 13.0	0.65
SYIC - 16314	BT30 x ER20M - 100	148.4							0.70
SYIC - 16316	BT30 x ER20M - 120	168.4							0.80
SYIC - 16318	BT30 x ER20M - 150	198.4							1.00
SYIC - 16321	BT40 x ER11M - 70	135.4	6.6	16	11	15	M6 x 1.0P	0.5 ~ 7.0	1.10
SYIC - 16322	BT40 x ER11M - 100	165.4							1.20
SYIC - 16323	BT40 x ER11M - 125	190.4							1.40
SYIC - 16324	BT40 x ER11M - 150	215.4							1.50
SYIC - 16325	BT40 x ER16M - 70	135.4	10.6	22	16	21	M10 x 1.5P	0.5 ~ 10.0	1.20
SYIC - 16326	BT40 x ER16M - 100	165.4							1.30
SYIC - 16327	BT40 x ER16M - 125	190.4							1.50
SYIC - 16328	BT40 x ER16M - 150	215.4							1.60
SYIC - 16329	BT40 x ER20M - 70	135.4	11.5	28	20	27	M12 x 1.75P	1.0 ~ 13.0	1.20
SYIC - 16330	BT40 x ER20M - 100	165.4							1.55
SYIC - 16331	BT40 x ER20M - 125	190.4							1.70
SYIC - 16332	BT40 x ER20M - 150	215.4							1.80

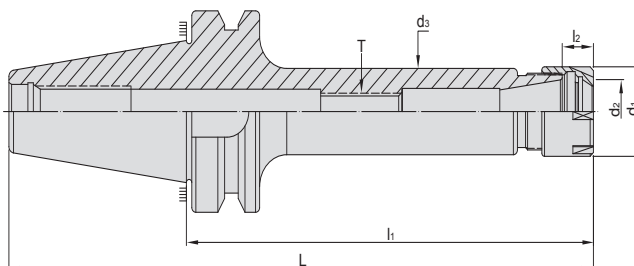
Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P222	P275

SYIC-16300

M 型 BT / ER 立銑刀夾頭

DIN ISO 15488



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

C
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KNT
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MTI
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OB
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MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16334	BT50 x ER11M - 70	171.8	6.6	16	11	15	M6 x 1.0P	0.5 ~ 0.7	3.8
SYIC - 16335	BT50 x ER11M - 90	191.8							3.9
SYIC - 16336	BT50 x ER11M - 105	206.8							4.0
SYIC - 16337	BT50 x ER11M - 135	236.8							4.1
SYIC - 16338	BT50 x ER11M - 165	266.8							4.2
SYIC - 16339	BT50 x ER16M - 70	171.8	10.6	22	16	21	M10 x 1.5P	0.5 ~ 10.0	3.9
SYIC - 16340	BT50 x ER16M - 90	191.8							4.0
SYIC - 16341	BT50 x ER16M - 105	206.8							4.1
SYIC - 16342	BT50 x ER16M - 135	236.8							4.2
SYIC - 16343	BT50 x ER16M - 165	266.8							4.3
SYIC - 16344	BT50 x ER20M - 90	191.8	11.5	28	20	27	M12 x 1.75P	1.0 ~ 13.0	4.1
SYIC - 16345	BT50 x ER20M - 105	206.8							4.2
SYIC - 16346	BT50 x ER20M - 135	236.8							4.4
SYIC - 16347	BT50 x ER20M - 165	266.8							4.6

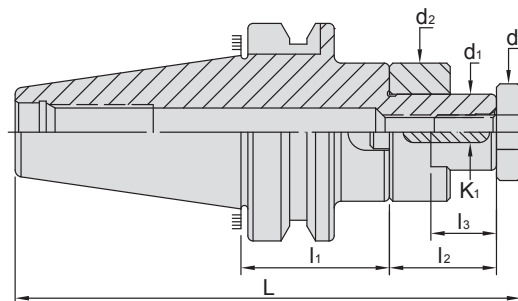
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P222	P275

SYIC-16350

BT 聯結式銑刀柄



- Shank includes removable ring, nut and spanner.
- Can purchase removable ring, nut, and spanner separately.
- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	WEIGHT (KGS)
SYIC - 16352	BT30 x CSR16 - 50	121.4	27	17	32	20	1.4
SYIC - 16354	BT30 x CSR22 - 50	124.4	31	19	40	28	1.6
SYIC - 16356	BT30 x CSR27 - 55	132.4	33	21	48	35	1.8
SYIC - 16362	BT40 x CSR16 - 55	143.4	27	17	32	20	2.2
SYIC - 16364	BT40 x CSR22 - 55	146.4	31	19	40	28	2.4
SYIC - 16366	BT40 x CSR27 - 55	149.4	33	21	48	35	2.6
SYIC - 16368	BT40 x CSR32 - 60	158.4	38	24	58	42	2.8
SYIC - 16370	BT40 x CSR40 - 60	162.4	41	27	70	52	3.0
SYIC - 16374	BT50 x CSR16 - 60	184.8	27	17	32	20	4.4
SYIC - 16376	BT50 x CSR22 - 60	187.8	31	19	40	28	4.1
SYIC - 16378	BT50 x CSR27 - 60	190.8	33	21	48	35	4.5
SYIC - 16380	BT50 x CSR32 - 60	194.8	38	24	58	42	4.8
SYIC - 16382	BT50 x CSR40 - 70	198.8	41	27	70	52	5.2
SYIC - 16384	BT50 x CSR50 - 75	218.9	46	30	90	63	5.4

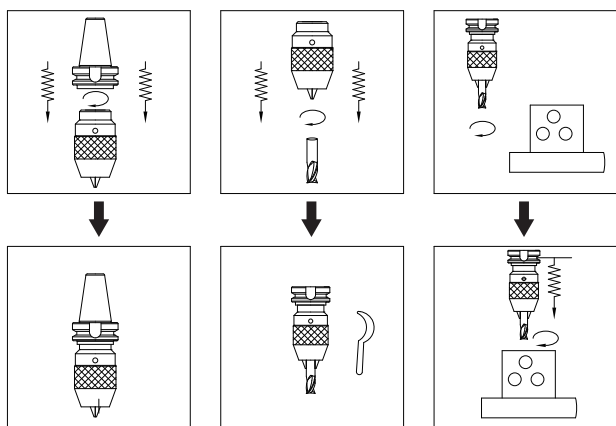
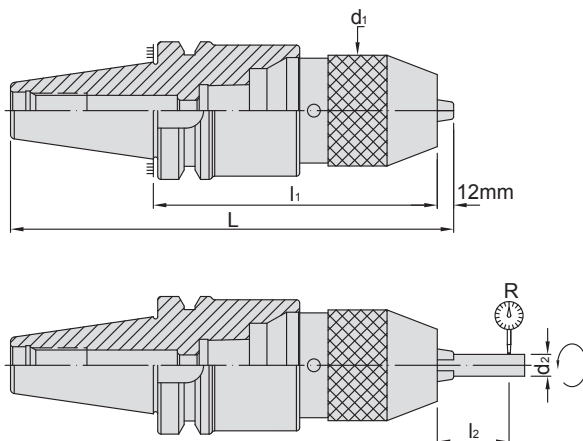
Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Option

KEY	REMOVABLE RING	NUT	SPANNER	PULL STUDS
P247 	P247 	P247 	P247 	P222 

SYIC-16450

BT / SPU 直結式鑽夾頭



• Avoid chuck falling off.
⊙ Inside with tightening design for thread.

• Can be used for heavy-duty cutting & high-speed cutting.
⊙ Drill never loosening or falling off.

• It also can process for higher work-piece.
⊙ Additional use range of machine.

This product is added with multi safety design and suitable for Machine Center. In automatic operation controlled by computer and unmanned management process, it can be processed safely and smoothly.

- The pre-balance can reach G6.3 8,000 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	l ₁	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 16452	BT30 x SPU8 - 80	140.4	80	55	37	6	0.04	0.72
SYIC - 16456	BT30 x SPU13 - 110	170.4	110	75	50	13		1.85
SYIC - 16458	BT30 x SPU16 - 115	175.4	115	80	57	16		2.18
SYIC - 16462	BT40 x SPU8 - 85	162.4	85	55	37	6		1.46
SYIC - 16466	BT40 x SPU13 - 100	177.4	100	75	50	13		2.00
SYIC - 16468	BT40 x SPU16 - 105	182.4	105	80	57	16		2.33
SYIC - 16472	BT50 x SPU8 - 90	203.8	90	55	37	6		4.16
SYIC - 16476	BT50 x SPU13 - 100	213.8	100	75	50	13		4.70
SYIC - 16477	BT50 x SPU13 - 120	233.8	120	75				5.00
SYIC - 16479	BT50 x SPU13 - 180	293.8	180	75				5.80
SYIC - 16480	BT50 x SPU16 - 105	218.8	105	80	57	16		5.03
SYIC - 16481	BT50 x SPU16 - 190	303.8	190	80				6.00

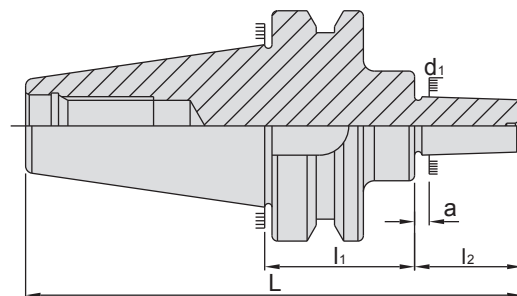
Standard Accessory: • SPANNER

Option

SPANNER	PULL STUDS
	
P250	P222

SYIC-16500

BT 鑽夾頭刀柄



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For Drill Chuck with DIN 238.
- Superior accuracy.
- Low cost.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	a	T DRAW BAR	WEIGHT (KGS)	
SYIC - 16502	BT30 x JTA2 - 45	115.625	22.225	14.199	4	M12 x 1.75P	0.70	
SYIC - 16504	BT30 x JTA33 - 45	117.4	24	15.85			0.75	
SYIC - 16506	BT30 x JTA6 - 45	117.4	24	17.17			0.80	
SYIC - 16522	BT40 x JTA2 - 45	130.4	20	14.199		M16 x 2.0P	1.30	
SYIC - 16523	BT40 x JTA33 - 45	135.8	24	15.85			1.30	
SYIC - 16524	BT40 x JTA6 - 45	134.4	24	17.17			1.20	
SYIC - 16525	BT40 x JTA6 - 105	194.4	24	17.17		M24 x 3.0P	1.65	
SYIC - 16542	BT50 x JTA2 - 45	166.8	20	14.199			4.10	
SYIC - 16543	BT50 x JTA33 - 45	170.8	24	15.85			4.00	
SYIC - 16544	BT50 x JTA6 - 45	170.8	24	17.17			4.20	
SYIC - 16545	BT50 x JTA6 - 105	230.8	24	17.17			4.60	
SYIC - 16552	BT30 x B10 - 45	107.9	14.5	10.094	3	M12 x 1.75P	0.60	
SYIC - 16553	BT30 x B12 - 45	111.9	18.5	12.065	4		0.85	
SYIC - 16554	BT30 x B16 - 45	117.4	24	15.733	5		0.60	
SYIC - 16572	BT40 x B10 - 45	124.9	14.5	10.094	3	M16 x 2.0P	1.45	
SYIC - 16573	BT40 x B12 - 45	128.9	18.5	12.065	4		1.40	
SYIC - 16574	BT40 x B16 - 45	134.4	24	15.733	5		1.45	
SYIC - 16575	BT40 x B16 - 90	179.4	24	15.733			1.70	
SYIC - 16576	BT40 x B18 - 45	142.4	32	17.78			1.50	
SYIC - 16577	BT40 x B18 - 90	182.4	32	17.78	5	M24 x 3.0P	1.80	
SYIC - 16592	BT50 x B10 - 45	161.3	14.5	10.094			3	3.60
SYIC - 16593	BT50 x B12 - 45	165.3	18.5	12.065			4	3.60
SYIC - 16594	BT50 x B12 - 105	225.3	18.5	12.065				5.50
SYIC - 16595	BT50 x B16 - 45	170.8	24	15.733			5	5.10
SYIC - 16596	BT50 x B16 - 105	230.8	24	15.733				5.50
SYIC - 16597	BT50 x B18 - 45	178.8	32	17.78				4.30
SYIC - 16598	BT50 x B18 - 105	238.8	32	17.78				5.60

Option

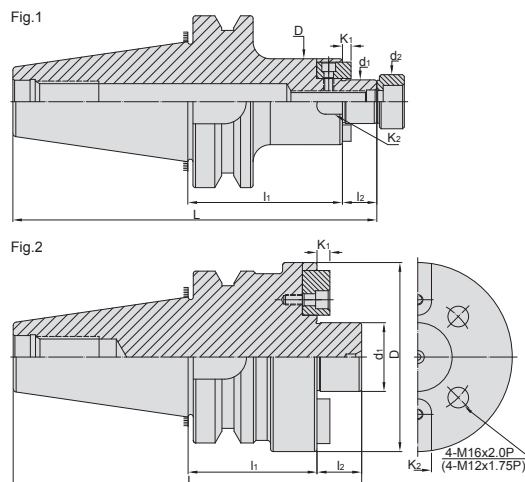
PULL STUDS

P222



SYIC-16600

BT 平面铣刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper: AT3.
- The pre-balance can reach G6.3 3,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

INCH SIZE

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
SYIC - 16612	BT30 x FMA25.4 - 45	113.4	45	20	50	25.4	31.5	4.52	9.52	1	1.10
SYIC - 16613	BT30 x FMA25.4 - 60	128.4	60								1.30
SYIC - 16614	BT30 x FMA31.75 - 45	115.4	45	22	60	31.75	41	6.7	12.7		1.35
SYIC - 16615	BT40 x FMA25.4 - 45	130.4	45	20	50	25.4	31.5	4.52	9.52		1.80
SYIC - 16616	BT40 x FMA25.4 - 60	145.4	60								2.00
SYIC - 16617	BT40 x FMA25.4 - 90	175.4	90								2.60
SYIC - 16618	BT40 x FMA25.4 - 105	190.4	105								2.70
SYIC - 16619	BT40 x FMA31.75 - 45	132.4	45	22	60	31.75	41	6.7	12.7		2.00
SYIC - 16620	BT40 x FMA31.75 - 75	162.4	75								2.70
SYIC - 16621	BT40 x FMA31.75 - 90	177.4	90								2.90
SYIC - 16626	BT40 x FMA38.10 - 60	150.4	60	25	75	38.1	44.5	8.87	15.87		2.80
SYIC - 16627	BT40 x FMA50.80 - 60	161.4	60	36	98	50.8	65	9.75	19.05		4.00
SYIC - 16639	BT50 x FMA25.4 - 45	166.8	45	20	50	25.4	31.5	4.52	9.52		4.40
SYIC - 16640	BT50 x FMA25.4 - 90	211.8	90								5.10
SYIC - 16641	BT50 x FMA25.4 - 150	271.8	150								6.10
SYIC - 16642	BT50 x FMA31.75 - 45	168.8	45	22	60	31.75	41	6.2	12.7		4.50
SYIC - 16643	BT50 x FMA31.75 - 75	198.8	75					6.7			5.30
SYIC - 16644	BT50 x FMA31.75 - 105	228.8	105					6.7			5.70
SYIC - 16645	BT50 x FMA38.10 - 45	171.8	45	25	80	38.1	44.5	8.87	15.87		4.80
SYIC - 16646	BT50 x FMA38.10 - 75	210.8	75								6.00
SYIC - 16647	BT50 x FMA50.80 - 45	182.8	45	36	98	50.8	65	9.75	19.05		5.70
SYIC - 16648	BT50 x FMA50.80 - 75	212.8	75								6.80
SYIC - 16649	BT50 x FMA47.62 - 75	208.8	75	32	128.75	47.62	-	12.5	25.4	2	7.90

Option

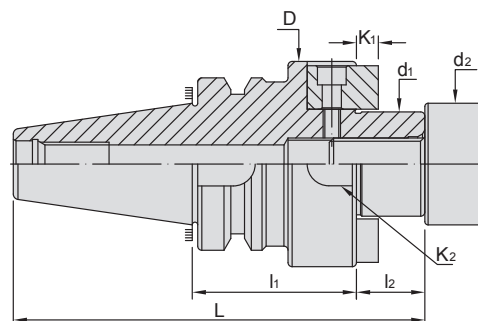
PULL STUDS



P222

SYIC-16650

BT 平面铣刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper: AT3.
- The pre-balance can reach G6.3 3,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MM SIZE

MODEL NO.	TYPE	L	L ₁	L ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
SYIC - 16651	BT30 x FMB22 - 45	115.4	45	19	48	22	26	4.8	10	0.85
SYIC - 16652	BT30 x FMB22 - 60	127.4	60							1.25
SYIC - 16654	BT30 x FMB27 - 45	113.4	45	20	60	27	31.5	5.8	12	1.20
SYIC - 16655	BT30 x FMB27 - 60	128.4	60							1.35
SYIC - 16656	BT30 x FMB32 - 45	115.4	45	22	78	32	41	6.8	14	1.35
SYIC - 16657	BT40 x FMB22 - 45	129.4	45	19	48	22	26	4.8	10	1.45
SYIC - 16658	BT40 x FMB22 - 60	144.4	60							1.70
SYIC - 16659	BT40 x FMB22 - 100	184.4	100							2.20
SYIC - 16660	BT40 x FMB27 - 45	130.4	45	20	60	27	31.5	5.8	12	1.60
SYIC - 16663	BT40 x FMB27 - 60	145.4	60							2.00
SYIC - 16664	BT40 x FMB27 - 90	175.4	90							2.30
SYIC - 16665	BT40 x FMB27 - 105	190.4	105							2.50
SYIC - 16666	BT40 x FMB32 - 45	132.4	45	22	78	32	41	6.8	14	1.75
SYIC - 16667	BT40 x FMB32 - 60	147.4	60							2.10
SYIC - 16668	BT40 x FMB40 - 60	150.4	60	25	80	40	48	8.3	16	2.80

Option

PULL STUDS

P222



SYIC-16650

BT 平面铣刀柄



Fig.1

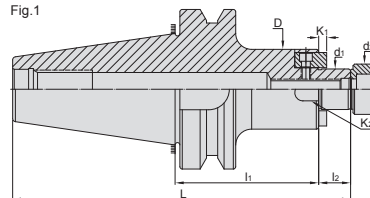
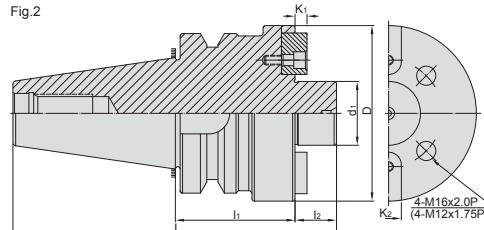


Fig.2



- d1 tolerance: h6.
- Tolerance of 7/24 taper: AT3.
- The pre-balance can reach G6.3 3,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MM SIZE

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
SYIC - 16669	BT50 x FMB22 - 45	165.8	45	19	48	22	26	4.8	10	1	4.5
SYIC - 16670	BT50 x FMB22 - 90	210.8	90								5.1
SYIC - 16671	BT50 x FMB22 - 150	270.8	150								6.8
SYIC - 16671 - 200	BT50 x FMB22 - 200	320.8	200								7.0
SYIC - 16671 - 250	BT50 x FMB22 - 250	370.8	250								8.0
SYIC - 16672	BT50 x FMB27 - 50	171.8	50	20	60	27	31.5	5.8	12		4.6
SYIC - 16673	BT50 x FMB27 - 90	211.8	90								5.4
SYIC - 16674	BT50 x FMB27 - 150	271.8	150								7.5
SYIC - 16675	BT50 x FMB27 - 200	321.8	200								9.5
SYIC - 16675 - 250	BT50 x FMB27 - 250	371.8	250								11.0
SYIC - 16676	BT50 x FMB32 - 50	173.8	50	22	78	32	41	6.8	14		5.7
SYIC - 16677	BT50 x FMB32 - 90	213.8	90								5.8
SYIC - 16678	BT50 x FMB40 - 50	176.8	50	25	89	40	48	8.3	16		5.2
SYIC - 16680	BT50 x FMB40 - 90	216.8	90								6.0
SYIC - 16681	BT50 x FMB40 - 105	231.8	105								7.2
SYIC - 16688	BT50 x FS40F - 75	202.8	75	26	110	40	-	8.3	16	2	6.0
SYIC - 16690	BT50 x FS60F - 75	201.8	75	25	138	60	-	12.5	25.4		8.5

Option

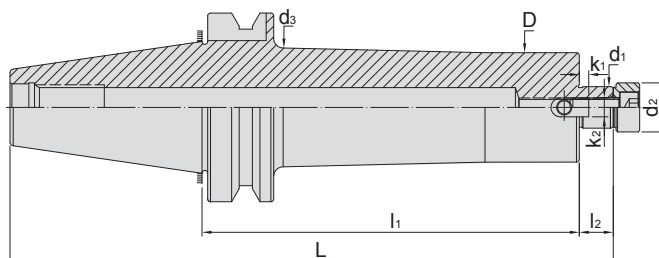
PULL STUDS



P222

SYIC-16600BG

平面銑刀柄(加長斜度柄)



- d1 tolerance: h6.
- The tool holder is through-hole, which is better for water to get through and anti-vibrant.
- The top of the tool holder has a design for taper, which can increase the rigidity.
- The pre-balance can reach G6.3 3,000 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	l ₁	l ₂	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
SYIC - 16641 - 125BG	BT50 x FMA25.4 - 125BG	246.8	125	20	48	25.4	31.5	60	4.25	9.52	5.3
SYIC - 16641 - 150BG	BT50 x FMA25.4 - 150BG	271.8	150								6.4
SYIC - 16641 - 200BG	BT50 x FMA25.4 - 200BG	321.8	200		7.5						
SYIC - 16641 - 250BG	BT50 x FMA25.4 - 250BG	371.8	250		8.6						
SYIC - 16641 - 300BG	BT50 x FMA25.4 - 300BG	421.8	300		9.7						
SYIC - 16641 - 350BG	BT50 x FMA25.4 - 350BG	471.8	350		10.8						
SYIC - 16641 - 400BG	BT50 x FMA25.4 - 400BG	521.8	400		11.9						
SYIC - 16644 - 125BG	BT50 x FMA31.75 - 125BG	248.8	125	22	70	31.75	41	75	6.7	12.7	5.6
SYIC - 16644 - 150BG	BT50 x FMA31.75 - 150BG	273.8	150								6.3
SYIC - 16644 - 175BG	BT50 x FMA31.75 - 175BG	298.8	175								8.3
SYIC - 16644 - 200BG	BT50 x FMA31.75 - 200BG	323.8	200								9.1
SYIC - 16644 - 250BG	BT50 x FMA31.75 - 250BG	373.8	250								10.6
SYIC - 16644 - 300BG	BT50 x FMA31.75 - 300BG	423.8	300								12.1
SYIC - 16644 - 350BG	BT50 x FMA31.75 - 350BG	473.8	350								13.6

Option

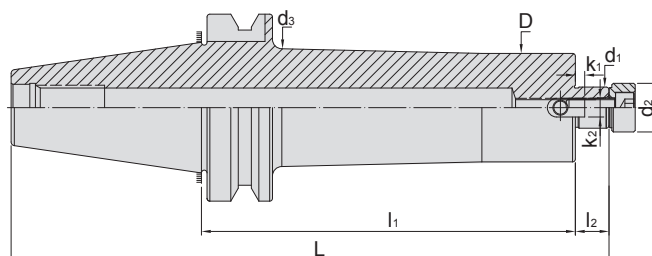
PULL STUDS

P222



SYIC-16650BG

平面銑刀柄(加長斜度柄)



- d1 tolerance: h6.
- The tool holder is through-hole, which is better for water to get through and anti-vibrant.
- The top of the tool holder has a design for taper, which can increase the rigidity.
- The pre-balance can reach G6.3 3,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

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MODEL NO.	TYPE - l ₁	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)			
SYIC - 16657 - 150BG	BT40 x FMB22 - 150BG	233.4	150	18	48	22	31.75	51	4.25	9.52	3.1			
SYIC - 16657 - 200BG	BT40 x FMB22 - 200BG	283.4	200								4.0			
SYIC - 16657 - 250BG	BT40 x FMB22 - 250BG	333.4	250								4.9			
SYIC - 16671 - 150BG	BT50 x FMB22 - 150BG	271.8	150	20	58			62.5			62.5	4.25	9.52	6.8
SYIC - 16671 - 200BG	BT50 x FMB22 - 200BG	321.8	200											8.4
SYIC - 16671 - 250BG	BT50 x FMB22 - 250BG	371.8	250											9.4
SYIC - 16671 - 300BG	BT50 x FMB22 - 300BG	421.8	300								10.4			
SYIC - 16671 - 350BG	BT50 x FMB22 - 350BG	471.8	350								11.4			
SYIC - 16671 - 400BG	BT50 x FMB22 - 400BG	521.8	400								62.5			12.4
SYIC - 16671 - 450GB	BT50 x FMB22 - 450BG	571.8	450											13.4
SYIC - 16671 - 500BG	BT50 x FMB22 - 500BG	621.8	500											14.4

Option

PULL STUDS

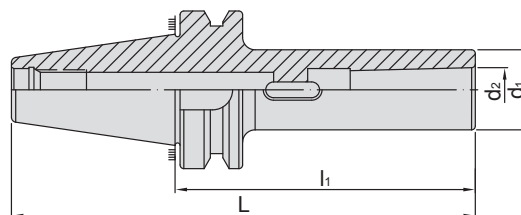
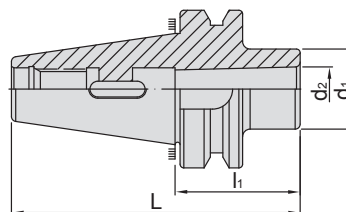


P222

SYIC-17000

BT 斜柄鑽頭套筒

DIN 228-B



- High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.

MODEL NO.	TYPE BT - MTA - l ₁	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 17001	BT30 x MTA1 - 45	93.4	45	25	12.065	0.55
SYIC - 17004	BT30 x MTA1 - 105	153.4	105			0.80
SYIC - 17006	BT30 x MTA2 - 60	108.4	60	32	17.78	0.60
SYIC - 17008	BT30 x MTA2 - 120	168.4	120			0.90
SYIC - 17010	BT30 x MTA3 - 80	128.4	80	40	23.825	0.80
SYIC - 17011	BT40 x MTA1 - 45	110.4	45	25	12.065	1.05
SYIC - 17013	BT40 x MTA1 - 120	185.4	120			1.40
SYIC - 17014	BT40 x MTA2 - 50	115.4	50	32	17.78	1.10
SYIC - 17017	BT40 x MTA2 - 120	185.4	120			1.80
SYIC - 17018	BT40 x MTA3 - 70	135.4	70	40	23.825	1.20
SYIC - 17021	BT40 x MTA3 - 135	200.4	135			1.90
SYIC - 17023	BT40 x MTA4 - 95	160.4	95	48	31.267	1.40
SYIC - 17025	BT40 x MTA4 - 165	230.4	165			2.50
SYIC - 17031	BT50 x MTA1 - 45	146.8	45	25	12.065	3.80
SYIC - 17033	BT50 x MTA1 - 120	221.8	120			4.30
SYIC - 17035	BT50 x MTA1 - 180	281.8	180			5.00
SYIC - 17036	BT50 x MTA2 - 60	161.8	60	32	17.78	4.00
SYIC - 17039	BT50 x MTA2 - 135	236.8	135			4.70
SYIC - 17041	BT50 x MTA2 - 180	281.8	180			5.00
SYIC - 17042	BT50 x MTA3 - 65	166.8	65	40	23.825	3.90
SYIC - 17046	BT50 x MTA3 - 150	251.8	150			5.00
SYIC - 17047	BT50 x MTA3 - 180	281.8	180			5.50
SYIC - 17048	BT50 x MTA4 - 95	196.8	95	48	31.267	4.20
SYIC - 17051	BT50 x MTA4 - 180	281.8	180			5.50
SYIC - 17053	BT50 x MTA5 - 105	206.8	105	63	44.399	4.30

Option

PULL STUDS

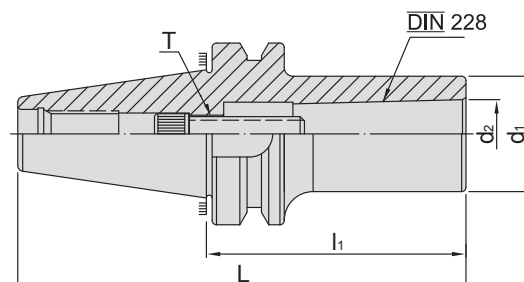
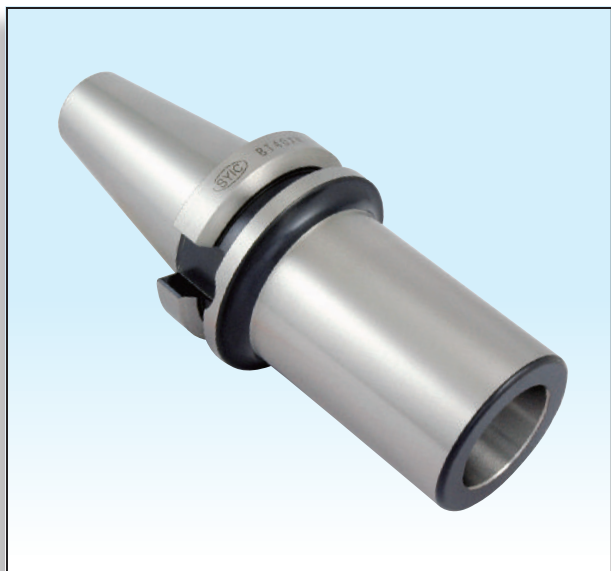


P222

SYIC-17000-B

BT 斜柄鑽頭套筒

DIN 6364



- High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.
- Please confirm if you'd like to order screw in metric or inch when making an order.

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 17001 - B	BT30 x MTB1 - 45	93.4	45	25	12.065	M6 x 1.0P 1/4" - 20	0.55
SYIC - 17006 - B	BT30 x MTB2 - 60	108.4	60	32	17.78	M10 x 1.5P 3/8" - 16	0.60
SYIC - 17011 - B	BT40 x MTB1 - 45	110.4	45	25	12.065	M6 x 1.0P 1/4" - 20	1.05
SYIC - 17014 - B	BT40 x MTB2 - 45	110.4	45	32	17.78	M10 x 1.5P 3/8" - 16	1.85
SYIC - 17017 - B - 185	BT40 x MTB2 - 185	250.4	185	32	17.78	M10 x 1.5P 3/8" - 16	2.20
SYIC - 17018 - B	BT40 x MTB3 - 75	140.4	75	40	23.825	M12 x 1.75P or 1/2" - 12	1.30
SYIC - 17019 - B	BT40 x MTB3 - 90	155.4	90				1.40
SYIC - 17020 - B	BT40 x MTB3 - 120	185.4	120				1.80
SYIC - 17021 - B - 180	BT40 x MTB3 - 180	245.4	180				2.40
SYIC - 17024 - B	BT40 x MTB4 - 100	165.4	100	48	31.267	M16 x 2.0P or 5/8" - 11	1.60
SYIC - 17024 - B - 120	BT40 x MTB4 - 120	185.4	120				1.80
SYIC - 17024 - B - 180	BT40 x MTB4 - 180	245.4	180				2.60
SYIC - 17031 - B	BT50 x MTB1 - 45	146.8	45	25	12.065	M6 x 1.0P 1/4" - 20	3.80
SYIC - 17036 - B	BT50 x MTB2 - 45	146.8	45	32	17.78	M10 x 1.5P 3/8" - 16	3.90
SYIC - 17042 - B	BT50 x MTB3 - 60	161.8	60	40	23.825	M12 x 1.75P 1/2" - 12	3.90
SYIC - 17048 - B	BT50 x MTB4 - 75	176.8	75	48	31.267	M16 x 2.0P 5/8" - 11	4.20
SYIC - 17053 - B	BT50 x MTB5 - 120	221.8	120	63	44.399	M24 x 3.0P 1" - 8	4.30

Option

PULL STUDS



P222

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

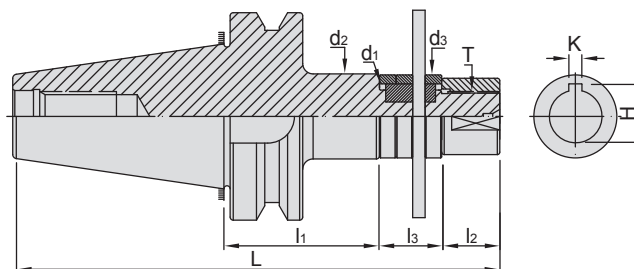
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-17060

BT / SCA 側銑刀柄



- Nut standard DIN-2082-I
- Bush standard DIN-2084-B

MODEL NO.	TYPE (d ₁ - l ₁)	L	l ₂	l ₃	d ₂	d ₃	K	H	T	WEIGHT (KGS)
SYIC - 17060	BT30 x SCA10 - 60	155.4	12	35	18	18	-	-	M8 x 1.25P	0.8
SYIC - 17062	BT30 x SCA16 - 60	154.4	16	30	26	26	4	17.7	M14 x 1.5P	1.0
SYIC - 17064	BT30 x SCA22 - 60	160.4	22		34	34	6	24.3	M20 x 1.5P	1.2
SYIC - 17066	BT30 x SCA22 - 75	175.4			26	26	4	17.7	M14 x 1.5P	1.5
SYIC - 17068	BT40 x SCA16 - 60	171.4	16		34	34	6	24.3	M20 x 1.5P	1.6
SYIC - 17070	BT40 x SCA22 - 60	177.4	1.7							
SYIC - 17071	BT40 x SCA22 - 75	192.4	2.0							
SYIC - 17072	BT40 x SCA22 - 120	237.4	22		41	40	7	30	M24 x 1.5P	2.1
SYIC - 17073	BT40 x SCA27 - 75	198.4			2.5					
SYIC - 17074	BT40 x SCA27 - 120	243.4	28		47	47	8	35	M30 x 1.5P	2.6
SYIC - 17075	BT40 x SCA32 - 90	217.4	32		34	34	3.18	24.6	M20 x 1.5P	1.7
SYIC - 17076	BT40 x SCA22.22 - 75	192.4	2.0							
SYIC - 17077	BT40 x SCA22.22 - 120	237.4	28		41	40	6.35	28.4	M24 x 1.5P	2.0
SYIC - 17078	BT40 x SCA25.40 - 75	198.4			2.4					
SYIC - 17079	BT40 x SCA25.40 - 120	243.4	32		47	47	7.93	34.8	M30 x 1.5P	2.6
SYIC - 17080	BT40 x SCA31.75 - 90	217.4	22		34	34	6	24.3	M20 x 1.5P	4.4
SYIC - 17083	BT50 x SCA22 - 90	243.8			4.7					
SYIC - 17084	BT50 x SCA22 - 135	288.8	28		41	40	7	30	M24 x 1.5P	4.6
SYIC - 17085	BT50 x SCA27 - 90	249.8			5.0					
SYIC - 17086	BT50 x SCA27 - 135	294.8	32		47	47	8	35	M30 x 1.5P	4.7
SYIC - 17087	BT50 x SCA32 - 90	253.8			5.2					
SYIC - 17088	BT50 x SCA32 - 135	298.8	40		55	55	10	43.7	M36 x 2.0P	5.0
SYIC - 17089	BT50 x SCA40 - 90	261.8			6.0					
SYIC - 17090	BT50 x SCA40 - 135	306.8	22		34	34	3.18	24.6	M20 x 1.5P	4.4
SYIC - 17091	BT50 x SCA22.22 - 90	243.8			4.7					
SYIC - 17092	BT50 x SCA22.22 - 135	288.8	28		41	40	6.35	28.4	M24 x 1.5P	4.5
SYIC - 17093	BT50 x SCA25.40 - 90	249.8			4.9					
SYIC - 17094	BT50 x SCA25.40 - 135	294.8	32		47	47	7.93	34.8	M30 x 1.5P	4.7
SYIC - 17095	BT50 x SCA31.75 - 90	253.8			5.2					
SYIC - 17096	BT50 x SCA31.75 - 135	298.8	40		55	55	9.525	42.4	M36 x 2.0P	4.9
SYIC - 17097	BT50 x SCA38.10 - 90	261.8			5.9					
SYIC - 17098	BT50 x SCA38.10 - 135	306.8								

Option

PULL STUDS

P222



SYIC-17100

BT / SLN 側固式立銑刀柄

DIN 1835



- Internal hole tolerance: H5.
- The pre-balance of shank diameter must conform to DIN-1835-B and its matched tool also needs to conform to this standard.
- Diameter permissible tolerance within h6~h7.
- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

Fig.1

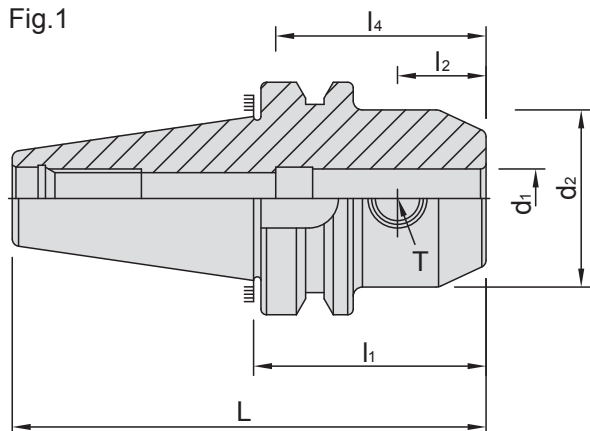


Fig.2

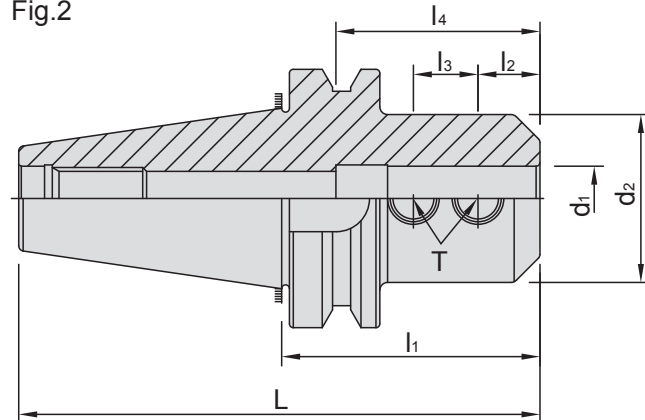
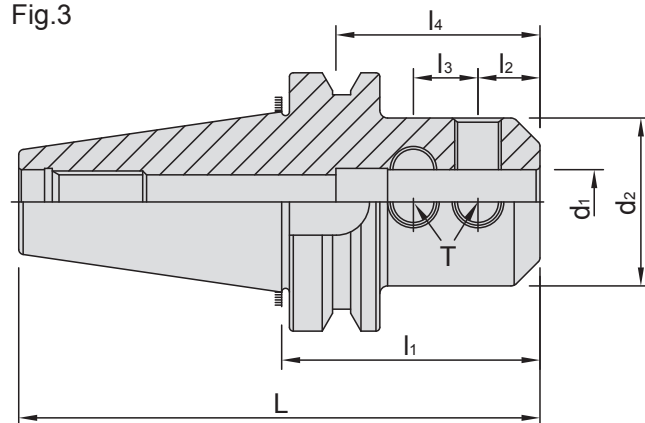


Fig.3



CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

BT / SLN 側固式立銑刀柄

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	T	Fig	WEIGHT (KGS)											
SYIC - 17122	BT30 x SLN6 - 60	108.4	18	-	40	25	M6 x 1.0P	1	0.55											
SYIC - 17123	BT30 x SLN8 - 60					28	M8 x 1.25P		0.60											
SYIC - 17124	BT30 x SLN10 - 60					35	M10 x 1.5P		0.70											
SYIC - 17125	BT30 x SLN12 - 60					42	M12 x 1.75P		0.75											
SYIC - 17126	BT30 x SLN16 - 75	123.4	24		52	48	M14 x 2.0P		1.05											
SYIC - 17127	BT30 x SLN20 - 75		25		54	52	M16 x 2.0P		1.10											
SYIC - 17128	BT30 x SLN25 - 90	138.4	24	25	59	65	M18 x 2.0P	2	1.70											
SYIC - 17131	BT40 x SLN6 - 50	115.4	18	-	40	25	M6 x 1.0P	1	1.10											
SYIC - 17131 - 150	BT40 x SLN6 - 150	215.4				28	M8 x 1.25P		1.32											
SYIC - 17132	BT40 x SLN8 - 50	115.4				20	44		35	M10 x 1.5P	1.10									
SYIC - 17132 - 150	BT40 x SLN8 - 150	215.4									1.30									
SYIC - 17133	BT40 x SLN10 - 63	128.4	22.5		49						42	M12 x 1.75P	1.25							
SYIC - 17133 - 150	BT40 x SLN10 - 150	215.4											1.40							
SYIC - 17134	BT40 x SLN12 - 63	128.4	24		52	48	M14 x 2.0P		1.30											
SYIC - 17134 - 150	BT40 x SLN12 - 150	215.4							1.53											
SYIC - 17135	BT40 x SLN16 - 63	128.4							25	54	50	M16 x 2.0P	1.40							
SYIC - 17135 - 150	BT40 x SLN16 - 150	215.4											1.60							
SYIC - 17135 - 18	BT40 x SLN18 - 63	128.4	25		59	65	M18 x 2.0P						2	2.50						
SYIC - 17136	BT40 x SLN20 - 63													28	63	72	M20 x 2.0P	2.75		
SYIC - 17137	BT40 x SLN25 - 100	165.4	24	-	40	25	M6 x 1.0P	1	3.80											
SYIC - 17138	BT40 x SLN32 - 100					28	M8 x 1.25P		3.80											
SYIC - 17151	BT50 x SLN6 - 63	164.8	18		44	35	M10 x 1.5P		3.00											
SYIC - 17152	BT50 x SLN8 - 63		20		49	42	M12 x 1.75P		4.00											
SYIC - 17153	BT50 x SLN10 - 63	181.8	22.5		52	48	M14 x 2.0P		1	4.40										
SYIC - 17154	BT50 x SLN12 - 80		24		54	52	M16 x 2.0P			4.40										
SYIC - 17155	BT50 x SLN16 - 80		25	59	65	M18 x 2.0P	2	5.10												
SYIC - 17156	BT50 x SLN20 - 80		201.8	28	63	72		M20 x 2.0P	5.20											
SYIC - 17157	BT50 x SLN25 - 100	206.8	30	32	73	90			6.60											
SYIC - 17158	BT50 x SLN32 - 105	216.8							35	35	78	100	6.70							
SYIC - 17160	BT50 x SLN40 - 115	221.8					33.1						28.58	78	95	M20 x 2.0P	6.70			
SYIC - 17164	BT50 x SLN40 - 120							33.1									25.58	80	125	M16 x 2.0P
SYIC - 17162	BT50 x SLN42 - 120		33.1	25.58	80	125														
SYIC - 17166	BT50 x SLN50 - 120								33.1	25.58	80	125								
SYIC - 17167	BT50 x SLN50.8 - 120	33.1					25.58						80	125	M16 x 2.0P	3				
SYIC - 17170	BT50 x SLN50.8 - 120							33.1									25.58	80	125	M16 x 2.0P
SYIC - 17168	BT50 x SLN63 - 120		33.1	25.58	80	125														

Option

PULL STUDS



P222

SYIC-17100-JIS

BT / SLN 側固式立銑刀柄



Fig.1

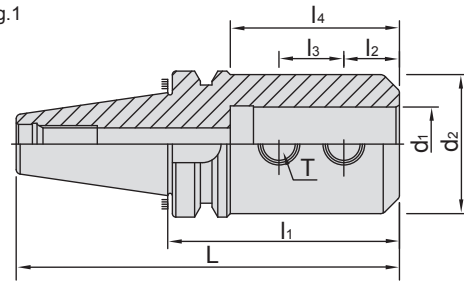
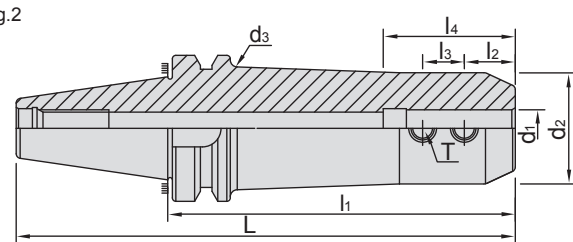


Fig.2



- Internal tolerance is H5.
- With two side-lock screws.
- For center coolant (DIN 69871-AD).

- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	d ₃	T	Fig	WEIGHT (KGS)
SYIC - 17131 - 75 - J	BT40 x SLN6 - 75JIS	140.4	12	10	45	25	-	M6 x 1.0P	1	1.30
SYIC - 17131 - 150 - J	BT40 x SLN6 - 150JIS	215.4	12	10	45	25	30		2	1.50
SYIC - 17132 - 75 - J	BT40 x SLN8 - 75JIS	140.4	14	12	45	28	-	M8 x 1.25P	1	1.30
SYIC - 17132 - 150 - J	BT40 x SLN8 - 150JIS	215.4	14	12	45	28	33		2	1.50
SYIC - 17133 - 75 - J	BT40 x SLN10 - 75JIS	140.4	15	14	49	35	-	M10 x 1.5P	1	1.30
SYIC - 17133 - 150 - J	BT40 x SLN10 - 150JIS	215.4	15	14	49	24	40		2	1.50
SYIC - 17134 - 75 - J	BT40 x SLN12 - 75JIS	140.4	20	16	54	42	-		1	1.50
SYIC - 17134 - 150 - J	BT40 x SLN12 - 150JIS	215.4	20	16	54	42	47		2	1.70
SYIC - 17135 - 75 - J	BT40 x SLN16 - 75JIS	140.4	22	18	57	48	-		1	1.50
SYIC - 17135 - 150 - J	BT40 x SLN16 - 150JIS	215.4	22	18	57	48	53		2	1.70
SYIC - 17136 - 90 - J	BT40 x SLN20 - 90JIS	155.4	25	20	65	50	-	M12 x 1.75P	1	1.60
SYIC - 17136 - 150 - J	BT40 x SLN20 - 150JIS	215.4	25	20	65	50	57		2	1.80
SYIC - 17137 - 90 - J	BT40 x SLN25 - 90JIS	155.4	24	25	68	50	-	M16 x 2.0P	1	2.50
SYIC - 17138 - J	BT40 x SLN32 - 100JIS	165.4	24	28	73	60	47	M16 x 2.0P	1	2.75
SYIC - 17151 - 75 - J	BT50 x SLN6 - 75JIS	176.8	12	10	45	25	47	M6 x 1.0P	1	3.90
SYIC - 17152 - 75 - J	BT50 x SLN8 - 75JIS	176.8	14	12	45	28	47	M8 x 1.25P	1	3.90
SYIC - 17153 - 75 - J	BT50 x SLN10 - 75JIS	176.8	15	14	49	35	47	M10 x 1.5P	1	3.90
SYIC - 17154 - 90 - J	BT50 x SLN12 - 90JIS	191.8	20	16	54	42	17		1	3.90
SYIC - 17154 - 165 - J	BT50 x SLN12 - 165JIS	266.8	20	16	54	42	47		2	5.00
SYIC - 17155 - 90 - J	BT50 x SLN16 - 90JIS	191.8	22	18	57	48	-		1	3.90
SYIC - 17155 - 165 - J	BT50 x SLN16 - 165JIS	266.8	22	18	57	48	53		2	5.00
SYIC - 17156 - 90 - J	BT50 x SLN20 - 90JIS	191.8	25	20	65	50	-	M12 x 1.75P	1	4.50
SYIC - 17156 - 165 - J	BT50 x SLN20 - 165JIS	266.8	25	20	65	50	57		2	6.00
SYIC - 17156 - 210 - J	BT50 x SLN20 - 210JIS	311.8	25	20	65	50	57		2	7.00

Option

PULL STUDS



P222

SYIC-17100-JIS

BT / SLN 側固式立銑刀柄



Fig.1

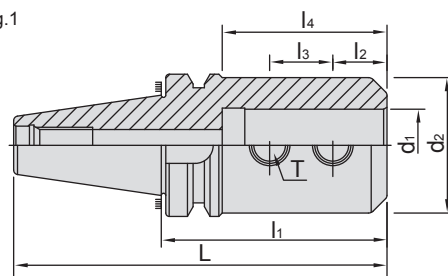
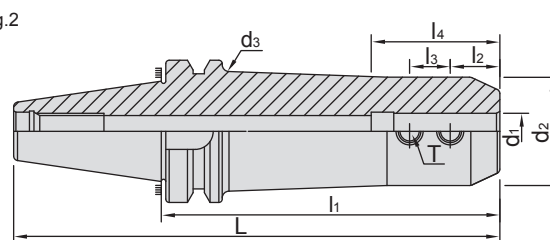


Fig.2



- Internal tolerance is H5.
- With two side-lock screws.
- For center coolant (DIN 69871-AD).
- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	d ₃	T	Fig	WEIGHT (KGS)
SYIC - 17157 - J	BT50 x SLN25 - 100JIS	201.8	24	25	68	50	-	M12 x 1.75P	1	4.58
SYIC - 17157 - 165 - J	BT50 x SLN25 - 165JIS	266.8	24	25	68	50	57		2	5.50
SYIC - 17157 - 210 - J	BT50 x SLN25 - 210JIS	311.8	24	25	68	50	57		2	6.00
SYIC - 17157 - 250 - J	BT50 x SLN25 - 250JIS	351.8	24	25	68	50	57		2	7.00
SYIC - 17158 - 105 - J	BT50 x SLN32 - 105JIS	206.8	24	28	73	60	-	M16 x 2.0P	1	4.89
SYIC - 17158 - 165 - J	BT50 x SLN32 - 165JIS	266.8	24	28	73	50	60		2	6.22
SYIC - 17158 - 210 - J	BT50 x SLN32 - 210JIS	311.8	24	28	73	50	60		2	6.34
SYIC - 17158 - 250 - J	BT50 x SLN32 - 250JIS	351.8	24	28	73	50	60		2	7.50
SYIC - 17158 - 300 - J	BT50 x SLN32 - 300JIS	401.8	24	28	73	60	65		2	8.00

Option

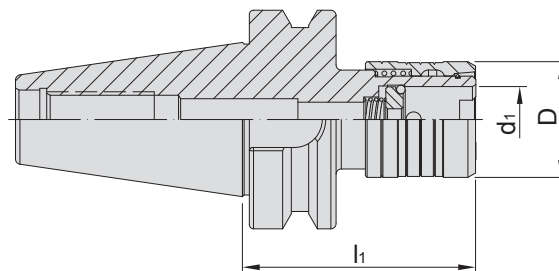
PULL STUDS

P222



SYIC-17710

快換式伸縮 / 扭力 攻牙夾頭



QUICK CHANGE
TAPPING COLLET



QUICK CHANGE
RIGID TAP COLLET

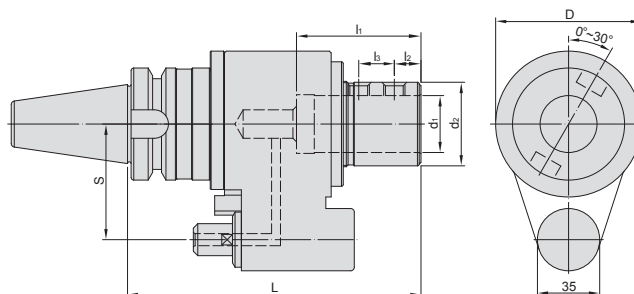
MODEL NO.	TYPE	TAPPING CAPACITY	LENGTH COMP.		l_1	D	d_1	WEIGHT (KGS)
			COMP	EXP				
SYIC - 17715	BT40 x 312	M3 - M12	6	12	67	36	19	1.1
SYIC - 17716	BT40 x 822	M8 - M22	12.5	12.5	90	53	31	1.6
SYIC - 17717	BT40 x 1636	M16 - M36	20	20	117	78	48	3.8
SYIC - 17721	BT50 x 312	M3 - M12	6	12	78	36	19	3.8
SYIC - 17722	BT50 x 822	M8 - M22	12.5	12.5	101	53	31	4.4
SYIC - 17723	BT50 x 1636	M16 - M36	20	20	122	78	48	5.7

Option

TAPPING COLLET	RIGID TAP COLLET	PULL STUDS
		
P259	P259	P222

SYIC-18000

BT / OSL 側固式油路刀把



- Please confirm the "S" size when ordering.
- Please confirm the machining centers have high pressure pump.
- Water pressure up to 7 kgf/cm².
- Max. revolution: 3000 rpm.

- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.
- The water pressure for Oil Hole Holder can be raised according to customer's request. Additional charges will be needed.

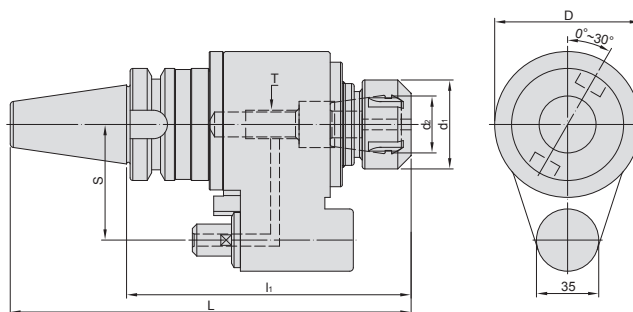
MODEL NO.	TYPE (d ₁ - L)	l ₁	l ₂	l ₃	D	d ₂	S	T	WEIGHT (KGS)			
SYIC - 18001	BT40 x OSL16 - 165	48	25	-	82	46.5	65	M12 x 1.75P	3.1			
SYIC - 18003	BT40 x OSL20 - 165	50							3.5			
SYIC - 18005	BT40 x OSL25 - 165	56	15	20		47	60	M16 x 2.0P	3.5			
SYIC - 18007	BT40 x OSL32 - 165	60							3.5			
SYIC - 18002	BT40 x OSL16 - 165	48	25	-	82	48	60	M12 x 1.75P	3.1			
SYIC - 18004	BT40 x OSL20 - 165S	50							3.5			
SYIC - 18006	BT40 x OSL25 - 165S	56	15	20		49.5	60	M12 x 1.75P	3.5			
SYIC - 18008	BT40 x OSL32 - 165S	60							3.8			
SYIC - 18009	BT50 x OSL16 - 165	48	25	-	98	56	80	M14 x 2.0P	7.0			
SYIC - 18011	BT50 x OSL20 - 165	50							7.5			
SYIC - 18013	BT50 x OSL25 - 165	56	15	20				98	58	82	M16 x 2.0P	7.5
SYIC - 18015	BT50 x OSL32 - 165	60										7.8
SYIC - 18017	BT50 x OSL40 - 170	62	15	25	105	56	M14 x 2.0P				8.5	
SYIC - 18019	BT50 x OSL16 - 165M	48	25	-	98	58	82				M12 x 1.75P	7.1
SYIC - 18021	BT50 x OSL20 - 165M	50						7.6				
SYIC - 18023	BT50 x OSL25 - 165M	56	15	20				98	58	85	M16 x 2.0P	7.7
SYIC - 18025	BT50 x OSL32 - 165M	60										7.8
SYIC - 18027	BT50 x OSL40 - 170M	62	15	25	105	56	M14 x 2.0P				8.5	
SYIC - 18029	BT50 x OSL16 - 165L	48	25	-	98	58	85				M12 x 1.75P	7.2
SYIC - 18031	BT50 x OSL20 - 165L	50						7.8				
SYIC - 18033	BT50 x OSL25 - 165L	56	15	20				98	58	85	M16 x 2.0P	7.8
SYIC - 18035	BT50 x OSL32 - 165L	60										8.0
SYIC - 18037	BT50 x OSL40 - 170L	62	15	25	105	56	M14 x 2.0P				8.7	

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUDS
P261	P261	P222

SYIC-18200

BT / OHER 油路刀把



- First, bolt the coolant screw with the fixed block of machine.
- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.

CAT

DAT

HSK

NT
&
MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂ ER	S	T	WEIGHT (KGS)
SYIC - 18202	BT40 x OHER16 - 160	225.4	160	82	28	16	65	M10	3.8
SYIC - 18204	BT40 x OHER20 - 160				34	20		M12	4.1
SYIC - 18206	BT40 x OHER25 - 160				42	25		M16	4.3
SYIC - 18208	BT40 x OHER32 - 160				50	32			4.5
SYIC - 18210	BT50 x OHER16 - 160	261.8		98	28	16	80	M10	7.0
SYIC - 18212	BT50 x OHER20 - 160				34	20		M12	7.1
SYIC - 18214	BT50 x OHER25 - 160				42	25		M16	7.2
SYIC - 18216	BT50 x OHER32 - 160				50	32			7.3
SYIC - 18218	BT50 x OHER40 - 160				63	40		M20	7.5

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUDS	PRESET SCREW
P225	P241	P249	P261	P222	P275

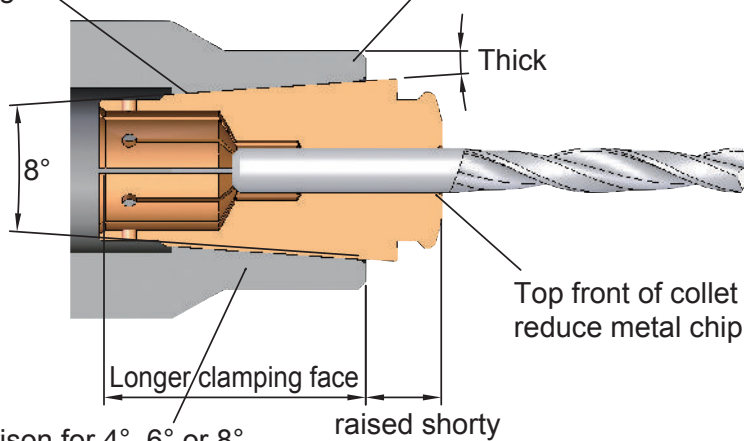
COLLET CHUCKING SERIES

with clamping nut

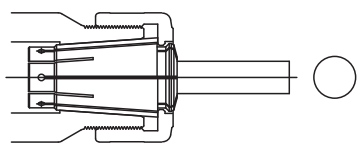


Single side 4° taper design. Best clamping ability. Better than other design.

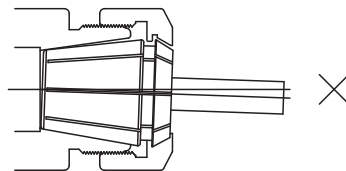
One side of body of the chuck is designed to be thicker, increasing anti-vibration.



Comparison for 4°, 6° or 8°



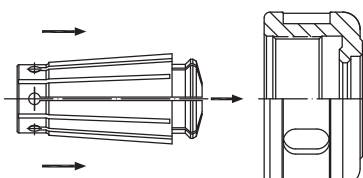
Single side 4° taper design improves steadiness.



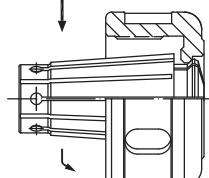
Single side 6° or 8° taper design is not steady enough.

Easy to operate, take out the collet more conveniently, no need for unnecessary tools!!

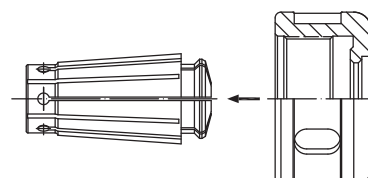
1.



2.

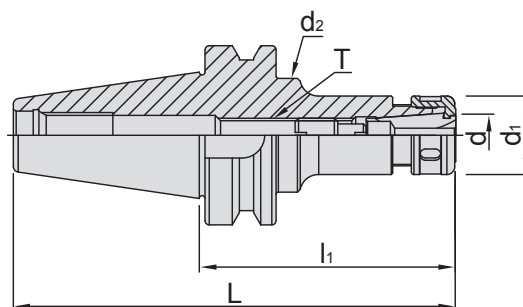


3.



SYIC-18330

BT / SKS 高速機專用夾頭



- Best T.I.R: runout is within 5μ (4D length).
- SKS Collet taper: 4°, increasing holding power, concentricity and rigidity.
- Every tool holder reaches revolution of G2.5 25,000 rpm, with 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 ₁	d ₂	T	WEIGHT (KGS)
SYIC - 18330	BT30 x SKS6 - 45	93.4	9.964	18	18	M8x1.25P	0.8
SYIC - 18331	BT30 x SKS6 - 60	108.4					0.9
SYIC - 18332	BT30 x SKS10 - 45	93.4	14.981	30	27.6	M12x1.75P	0.8
SYIC - 18334	BT30 x SKS10 - 60	108.4					0.9
SYIC - 18336	BT30 x SKS10 - 90	138.4					1.0
SYIC - 18338	BT40 x SKS6 - 90	155.4	9.964	18	32	M8x1.25P	1.2
SYIC - 18339	BT40 x SKS6 - 120	185.4					1.4
SYIC - 18340	BT40 x SKS10 - 90	155.4	14.981	30	40	M12x1.75P	1.5
SYIC - 18342	BT40 x SKS10 - 120	185.4					1.6
SYIC - 18344	BT40 x SKS16 - 90	155.4	23.939	40	52	M18x1.5P	1.6
SYIC - 18346	BT40 x SKS16 - 120	185.4					1.7
SYIC - 18352	BT40 x SKS25 - 90	155.4	35.029	55.1	55	M28x2.0P	1.7
SYIC - 18354	BT40 x SKS25 - 120	185.4					1.8
SYIC - 18360	BT50 x SKS6 - 90	191.8	9.964	18	32	M8x1.25P	4.0
SYIC - 18362	BT50 x SKS6 - 120	221.8					4.2
SYIC - 18370	BT50 x SKS10 - 105	206.8	14.981	30	40	M12x1.75P	4.5
SYIC - 18372	BT50 x SKS10 - 150	251.8					4.6
SYIC - 18374	BT50 x SKS10 - 165	266.8					4.3
SYIC - 18376	BT50 x SKS16 - 105	221.8	23.939	40	52	M18x1.5P	4.5
SYIC - 18378	BT50 x SKS16 - 150	251.8					4.7
SYIC - 18380	BT50 x SKS16 - 165	266.8					4.5
SYIC - 18386	BT50 x SKS25 - 105	206.8	35.029	55.1	55	M28x2.0P	4.5
SYIC - 18388	BT50 x SKS25 - 150	251.8					4.8

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
				
P240	P245	P250	P222	P275

COLLET CHUCKING SERIES

without clamping nut

USING THE SAME COLLET

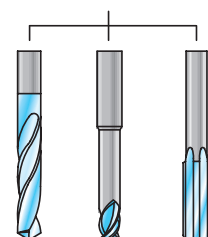
SBL12. SBL20



SLF12. SLF20



SLC12. SLC20



Drill Endmill Reamer

Cutter shank diameter must be the same as collet's internal size.

5 μ
**ULTRA
PRECISION**

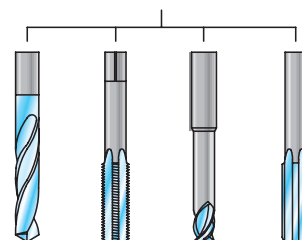
BT. CAT. DAT. HSK / SBL6

C / SBL6

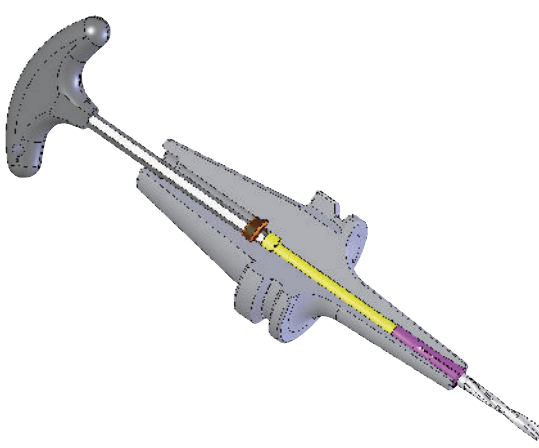
USING THE SAME COLLET



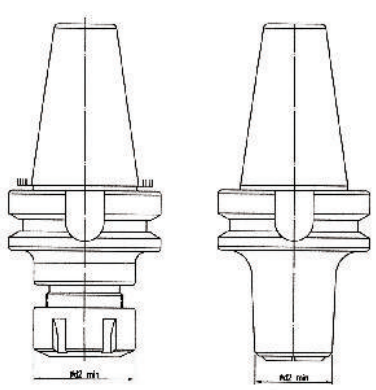
SLC6



Drill Tap Endmill Reamer

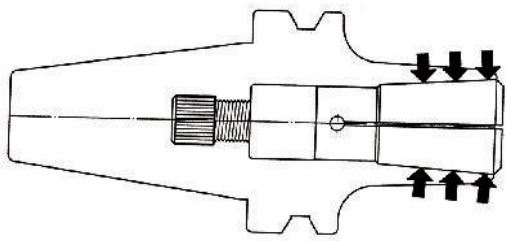


1. Slim design avoids interference.
2. Chucking the front part of collet, which hides inside.
3. Good design for high revolution and good balance because of non-clamping nuts.
4. 4° taper angle is good for chucking and it's easier to lock and loosen.

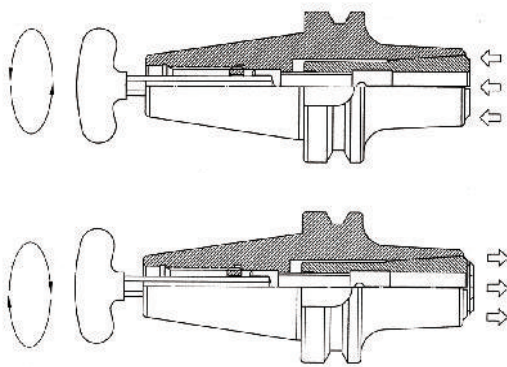


TYPE	OUTSIDE DIAMTER	MAX. CHUCKING DIAMTER
SBL6	φ 14	φ 6
ER11M	φ 16	φ 7
SBL12	φ 26	φ 12
ER20	φ 34	φ 14
SBL20	φ 34	φ 20
ER32	φ 50	φ 20

Slim design avoids interference.



Chucking the front part of collet, which hides inside.



Turning clockwise for locking !

Turning counterclockwise for loosening !

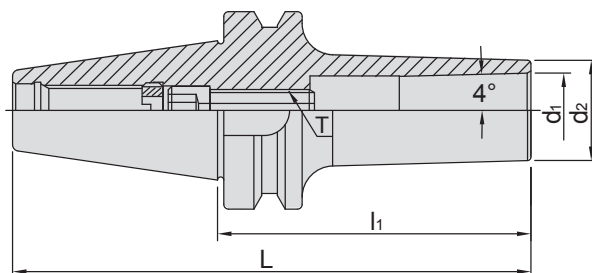
Good design for high revolution and good balance because of non-clamping nut.

SYIC-18850

BT / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178



- Every tool holder reaches the revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

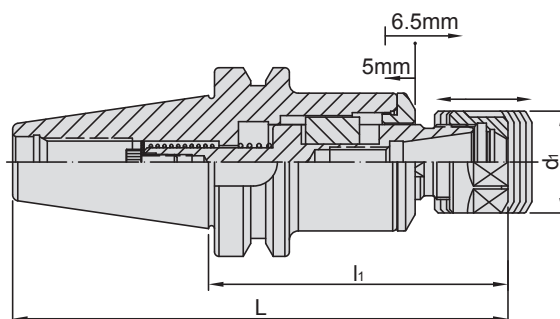
MODEL NO.	TYPE - l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 18854	BT30 x SBL6 - 70	118.4	9.93	14	M6 x 1.0P	1.00
SYIC - 18856	BT30 x SBL6 - 100	148.4				1.25
SYIC - 18858	BT30 x SBL12 - 70	118.4	18	26	M10 x 1.5P	1.20
SYIC - 18860	BT30 x SBL12 - 100	148.4				1.45
SYIC - 18862	BT30 x SBL20 - 80	128.4	27	34	M12 x 1.75P	1.20
SYIC - 18864	BT30 x SBL20 - 100	148.4				1.45
SYIC - 18866	BT40 x SBL6 - 70	135.4	9.93	14	M6 x 1.0P	1.20
SYIC - 18868	BT40 x SBL6 - 100	165.4				1.60
SYIC - 18870	BT40 x SBL12 - 70	135.4	18	26	M10 x 1.5P	1.50
SYIC - 18872	BT40 x SBL12 - 100	165.4				1.70
SYIC - 18874	BT40 x SBL20 - 70	135.4	27	35	M12 x 1.75P	1.50
SYIC - 18876	BT40 x SBL20 - 100	165.4				1.70
SYIC - 18878	BT50 x SBL6 - 70	171.8	9.93	14	M6 x 1.0P	4.00
SYIC - 18880	BT50 x SBL6 - 100	201.8				4.10
SYIC - 18882	BT50 x SBL12 - 70	171.8	18	26	M10 x 1.5P	4.20
SYIC - 18884	BT50 x SBL12 - 100	201.8				4.30
SYIC - 18886	BT50 x SBL20 - 70	171.8	27	35	M12 x 1.75P	4.60
SYIC - 18888	BT50 x SBL20 - 100	201.8				4.70

Option

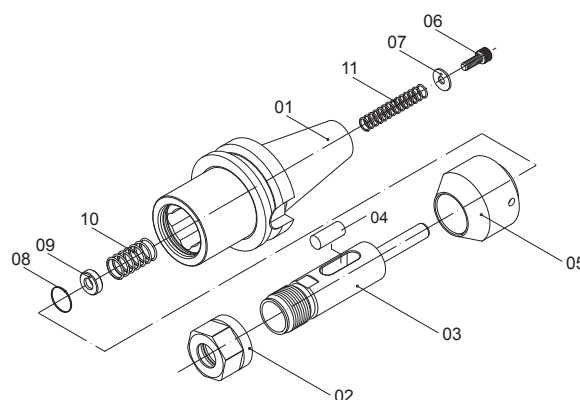
COLLET	SPANNER	PULL STUDS
P237	P250	P222

SYIC-18700

BT / ETP 伸縮 ER 攻牙器



NO.	NAME OF EACH PART	NO.	NAME OF EACH PART
01	Body	07	Washer
02	Nut	08	Medium spring
03	Arbor	09	Washer
04	Pin	10	Medium spring
05	Dust-proof bush	11	Medium spring
06	Screw		



MODEL NO.	TYPE	L	l ₁	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
SYIC - 18701	BT30 x ETP16A - 75	123.4	75	28	ER16	M3 - M10	0.55
SYIC - 18703	BT30 x ETP16A - 90	138.4	90				0.60
SYIC - 18705	BT30 x ETP20A - 75	123.4	75	34	ER20	M3 - M17	0.58
SYIC - 18707	BT30 x ETP20A - 90	138.4	90				0.62
SYIC - 18711	BT40 x ETP16A - 120	185.4	120	28	ER16	M3 - M10	1.65
SYIC - 18713	BT40 x ETP16A - 150	215.4	150				1.85
SYIC - 18715	BT40 x ETP20A - 100	165.4	100	34	ER20	M3 - M17	1.65
SYIC - 18717	BT40 x ETP20A - 150	215.4	150				1.90
SYIC - 18719	BT40 x ETP20M - 200	265.4	200	28	ER32	M3 - M27	2.15
SYIC - 18721	BT40 x ETP32 - 120	185.4	120	50			2.10
SYIC - 18731	BT50 x ETP16A - 120	221.4	120	28	ER16	M3 - M10	4.30
SYIC - 18733	BT50 x ETP16A - 150	251.4	150				4.50
SYIC - 18735	BT50 x ETP20A - 100	201.4	100	34	ER20	M3 - M17	4.30
SYIC - 18737	BT50 x ETP20A - 150	251.4	150				4.60
SYIC - 18739	BT50 x ETP20M - 200	301.4	200	28	ER32	M3 - M27	4.70
SYIC - 18741	BT50 x ETP32 - 120	221.4	120	50			4.65

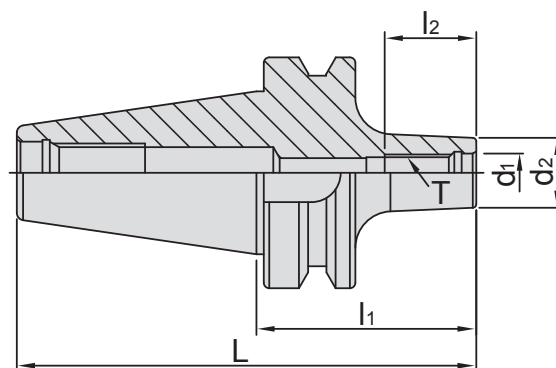
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P230	P241	P249	P222	P275

SYIC-19200

BT / SOM 螺紋鎖固式刀桿



- For center coolant (DIN 69871-AD).
- Every tool holder reaches the revolution of G6.3 10,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

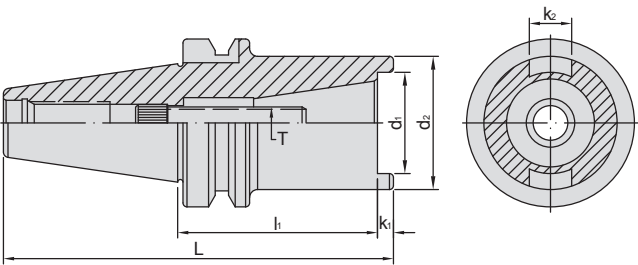
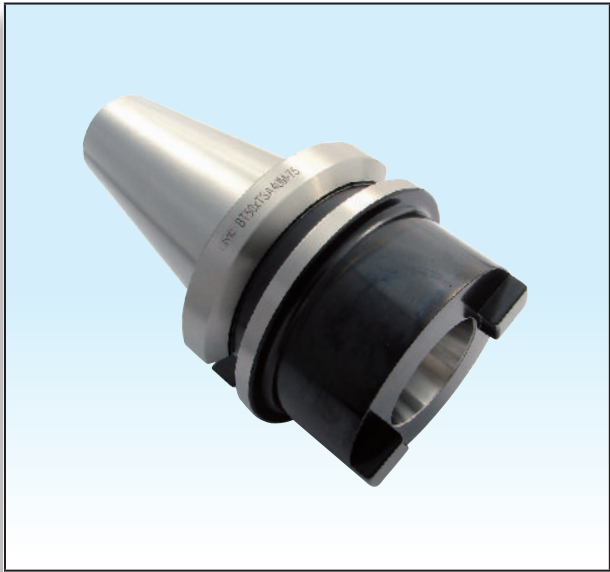
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 19205	BT40 x SOM6 - 60	125.4	25	6.5	10	M6 x 1.0P	1.1
SYIC - 19206	BT40 x SOM8 - 60			8.5	13	M8 x 1.25P	1.1
SYIC - 19208	BT40 x SOM10 - 60			10.5	19	M10 x 1.5P	1.2
SYIC - 19210	BT40 x SOM12 - 70	135.4	30	12.5	21	M12 x 1.75P	1.2
SYIC - 19212	BT40 x SOM12 - 100	165.4		12.5	21	M12 x 1.75P	1.3
SYIC - 19214	BT40 x SOM16 - 80	145.4		17	29	M16 x 2.0P	1.2
SYIC - 19230	BT50 x SOM6 - 60	161.8	25	6.5	10	M6 x 1.0P	3.0
SYIC - 19232	BT50 x SOM8 - 60			8.5	13	M8 x 1.25P	3.0
SYIC - 19234	BT50 x SOM10 - 60			10.5	19	M10 x 1.5P	3.0
SYIC - 19236	BT50 x SOM12 - 70	171.8	30	12.5	21	M12 x 1.75P	3.0
SYIC - 19238	BT50 x SOM12 - 100	201.8		12.5	21	M12 x 1.75P	3.0
SYIC - 19240	BT50 x SOM16 - 80	181.8		17	29	M16 x 2.0P	3.0

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUDS
P262	P262	P263	P263	P222

SYIC-19700

BT 套筒



CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

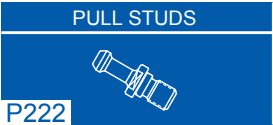
ACCESSORIES

KIT

TECHNICAL INFO.

MODEL NO.	TYPE TAPER x d ₁	L	l ₁	d ₂	k ₁	k ₂	T	WEIGHT (KGS)
SYIC - 19710	BT40 x TSA30M - 75	146.4	75	50	6	16	M12 x 1.75P	1.8
SYIC - 19712	BT40 x TSA30U - 75						1/2" - 12	1.8
SYIC - 19722	BT50 x TSA30M - 75	182.8					M12 x 1.75P	5.0
SYIC - 19724	BT50 x TSA30U - 75						1/2" - 12	5.0
SYIC - 19726	BT50 x TSA40M - 75	184.8		85	8		M16 x 2.0P	4.6
SYIC - 19728	BT50 x TSA40U - 75						5/8" - 11	4.6

Option



[illegible]

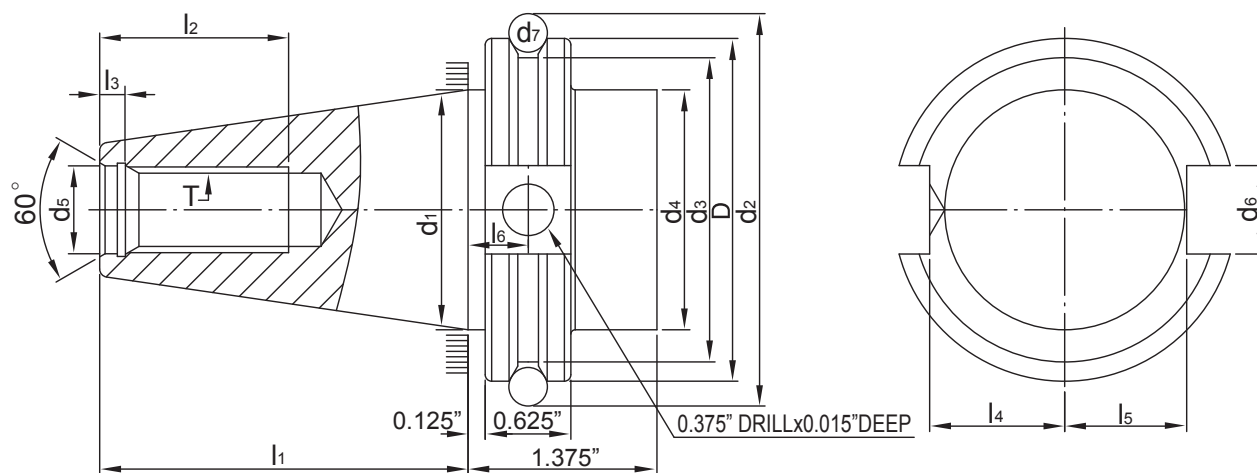


ANSI B5.50

CAT TOOL HOLDER SYSTEM

22000	CAT / EOC COLLET CHUCK	55
22200	CAT / ER COLLET CHUCK	56,57
22350	CAT / ER COLLET CHUCK _{M TYPE}	58
22400	CAT / SPU DRILL CHUCK ADAPTER	59
22500	CAT DRILL CHUCK ARBOR	60
22600	CAT MORSE TAPER ADAPTER	61
22700	CAT FACE MILL ARBOR	62
22900	CAT / SLN SIDE LOCK END MILL HOLDER	63
23000	CAT / TG COLLET CHUCK	64
23100	CAT EXPANSION ER TAPPER	65
23200	CAT / MLD MULTI - LOCK MILLING CHUCK	66
23240T	CAT / MLT MULTI - LOCK MILLING CHUCK	67
23650	CAT / SBL SLIM-FIT COLLET CHUCK	68
23700	CAT / SKS COLLET CHUCK	69
27710	QUICK CHANGE TAPPING CHUCK	70
28000	CAT / SIDE LOCK OIL HOLE HOLDER	71
28200	CAT / ER OIL HOLE COLLET CHUCK	72
29300	CAT / SOM SCREWED END MILL HOLDER	73





INCHES

TYPE	D ±0.002	d ₁	d ₂ ±0.002	d ₃ ±0.01	d ₄ ±0.005	d ₅ +0.015 0	d ₆ ±0.01	d ₇	l ₁ ±0.005	l ₂ min	l ₃ ±0.01	l ₄ 0 -0.015	l ₅ 0 -0.015	l ₆ ±0.01	T UNC 2B
CAT30	1.812	1.250	2.176	1.531	1.250	0.516	0.645	0.2813	1.875	1.00	0.188	0.735	0.640	0.440	1/2" - 13
CAT40	2.500	1.750	2.863	2.219	1.750	0.641	0.645	0.2813	2.687	1.12	0.188	0.985	0.890	0.440	5/8" - 11
CAT45	3.250	2.250	3.613	2.969	2.250	0.766	0.770	0.2813	3.250	1.50	0.188	1.235	1.140	0.440	3/4" - 10
CAT50	3.875	2.750	4.238	3.594	2.750	1.031	1.020	0.2813	4.000	1.75	0.250	1.485	1.390	0.440	1" - 8

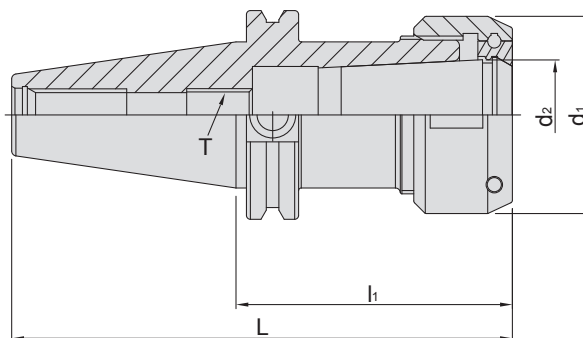
1. Taper tolerance < AT3
2. Basic Material: JIS - SCM415
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μ m
5. Surface roughness: Ra < 0.25 μ m
6. If it is suitable for center coolant standard (DIN-69871-AD or B), it can be ordered.
7. The shank has pre-balance at G6.3 and can provide precision balance at G2.5. It can be ordered by request.
8. Shank body standard: ANSI B5.50

SYIC-22000

CAT / EOC 立銑刀夾頭

DIN ISO 10897

CAT



DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

- Each collet chuck has been locked with a nut, but not including a spanner and collet.
- The DRAW BAR's thread (d1) can make pull studs locked precisely and easily, including 45°, 60°, and 90°.
- Suitable for heavy-duty cutting.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- While ordering, other Power Good Nuts could be purchased separately for combination.

INCHES

MODEL NO.	TYPE - l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 22011	CAT40 x EOC25 - 3.15"	5.837	2.362	1.295	M16 x 2.0P	1.55
SYIC - 22013	CAT40 x EOC25 - 4"	6.687				2.55
SYIC - 22015	CAT40 x EOC32 - 3.15"	5.837	2.835	1.626	M20 x 2.0P	1.95
SYIC - 22017	CAT40 x EOC32 - 4"	6.687				2.35
SYIC - 22021	CAT50 x EOC25 - 3.15"	7.15	2.362	1.295	M16 x 2.0P	3.25
SYIC - 22023	CAT50 x EOC25 - 4"	8				5.30
SYIC - 22025	CAT50 x EOC25 - 6"	10				4.40
SYIC - 22027	CAT50 x EOC32 - 3.15"	7.15	2.835	1.626	M20 x 2.0P	5.70
SYIC - 22029	CAT50 x EOC32 - 4.70"	8.7				6.10

Standard Accessory: • STANDARD NUT

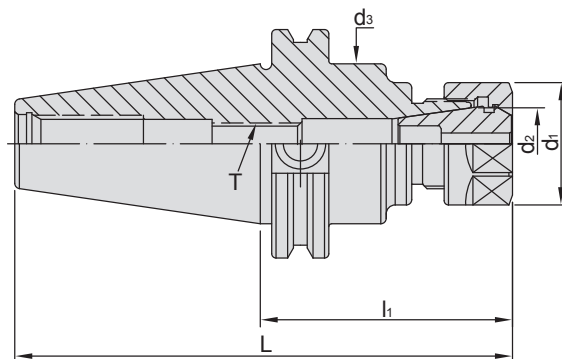
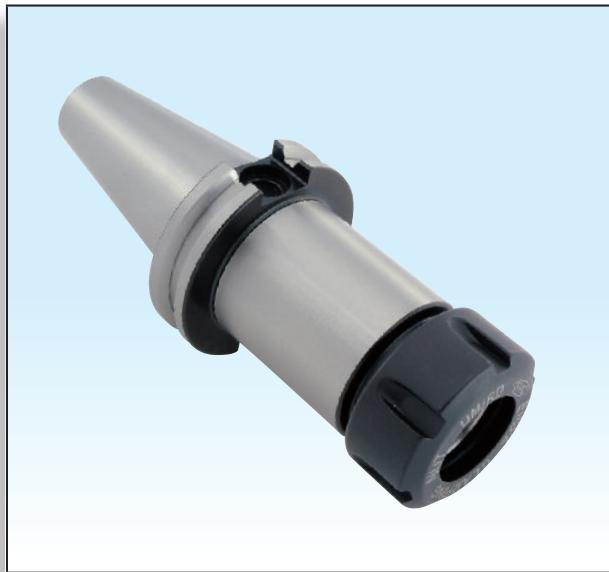
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P236	P244	P250	P223	P275

SYIC-22200

CAT / ER 立銑刀夾頭

DIN ISO 15488



- Thread with precise grinding.
- ER16, ER20 has a hexagon nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.

- The pre-balance can reach G6.3 10,000 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 - I ₁	L	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 22224	CAT40 x ER16A - 2"	4.687	1.102	0.63	1.75	M10 x 1.5P	0.0156 ~ 0.375	1.00
SYIC - 22225	CAT40 x ER16A - 2.76"	5.447						1.05
SYIC - 22227	CAT40 x ER16A - 4"	6.687						1.35
SYIC - 22231	CAT40 x ER16A - 6"	8.687						1.65
SYIC - 22233	CAT40 x ER16A - 8"	10.687						1.85
SYIC - 22235	CAT40 x ER20A - 2.76"	5.447	1.339	0.788		M12 x 1.75P	0.0625 ~ 0.5	1.25
SYIC - 22237	CAT40 x ER20A - 4"	6.687						1.65
SYIC - 22239	CAT40 x ER20A - 6"	8.687						1.85
SYIC - 22243	CAT40 x ER25 - 2.76"	5.447	1.654	0.984		M16 x 2.0P	0.0625 ~ 0.625	1.35
SYIC - 22245	CAT40 x ER25 - 4"	6.687						1.70
SYIC - 22247	CAT40 x ER25 - 6"	8.687						2.25
SYIC - 22251	CAT40 x ER25 - 8"	10.687						2.55
SYIC - 22253	CAT40 x ER32 - 2.76"	5.447	1.969	1.26		M16 x 2.0P	0.125 ~ 0.75	1.25
SYIC - 22254	CAT40 x ER32 - 3"	5.687						1.50
SYIC - 22255	CAT40 x ER32 - 4"	6.687						1.75
SYIC - 22257	CAT40 x ER32 - 6"	8.687						2.15
SYIC - 22259	CAT40 x ER32 - 8"	10.687	2.48	1.575		M20 x 2.0P	0.125 ~ 1.00	2.65
SYIC - 22261	CAT40 x ER40 - 3.15"	5.837						1.80
SYIC - 22263	CAT40 x ER40 - 4"	6.687						2.05
SYIC - 22265	CAT40 x ER40 - 6"	8.687						3.30
SYIC - 22269	CAT40 x ER50 - 4"	5.837	3.07	1.969		M24 x 2.0P	0.25 ~ 1.25	2.65

Standard Accessory: • STANDARD NUT
Option

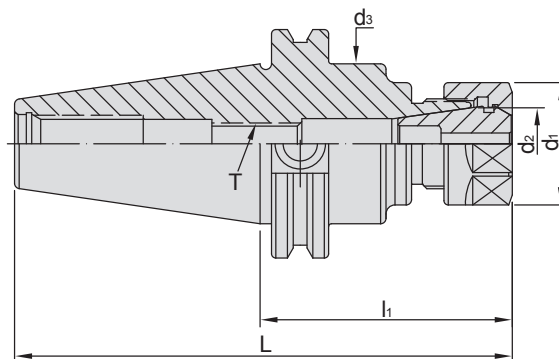
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P223	P275

SYIC-22200

CAT / ER 立銑刀夾頭

DIN ISO 15488

CAT



DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

- Thread with precise grinding.
- ER16, ER20 has a hexagon nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.

- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

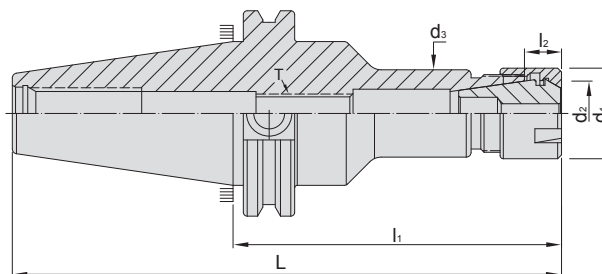
INCHES

MODEL NO.	TYPE - I ₁	L	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)	
SYIC - 22280	CAT50 x ER16A - 3"	7	1.102	0.63	2.75	M10 x 1.5P	0.0156 ~ 0.375	4.05	
SYIC - 22281	CAT50 x ER16A - 4"	8						4.20	
SYIC - 22283	CAT50 x ER16A - 5"	9						4.30	
SYIC - 22285	CAT50 x ER16A - 6"	10						4.40	
SYIC - 22287	CAT50 x ER16A - 8"	12						4.50	
SYIC - 22291	CAT50 x ER20A - 4"	8	1.339	0.788		M12 x 1.75P	0.0625 ~ 0.5	4.20	
SYIC - 22293	CAT50 x ER20A - 6"	10						4.45	
SYIC - 22295	CAT50 x ER20A - 8"	12						4.60	
SYIC - 22303	CAT50 x ER25 - 4"	8	1.654	0.984		M16 x 2.0P	0.0625 ~ 0.625	4.15	
SYIC - 22305	CAT50 x ER25 - 6"	10						4.50	
SYIC - 22307	CAT50 x ER25 - 8"	12						4.70	
SYIC - 22311	CAT50 x ER32 - 4"	8	1.969	1.26			0.125 ~ 0.75	4.35	
SYIC - 22313	CAT50 x ER32 - 6"	10						4.60	
SYIC - 22317	CAT50 x ER32 - 8"	12						4.90	
SYIC - 22321	CAT50 x ER40 - 4"	8	2.48	1.575			M20 x 2.0P	0.125 ~ 1.00	4.25
SYIC - 22325	CAT50 x ER40 - 6"	10							4.80
SYIC - 22327	CAT50 x ER40 - 8"	12							5.10
SYIC - 22331	CAT50 x ER50 - 4"	8	3.07	1.969		M24 x 2.0P	0.25 ~ 1.25	4.85	
SYIC - 22335	CAT50 x ER50 - 6"	10						5.55	

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P223	P275



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

INCHES

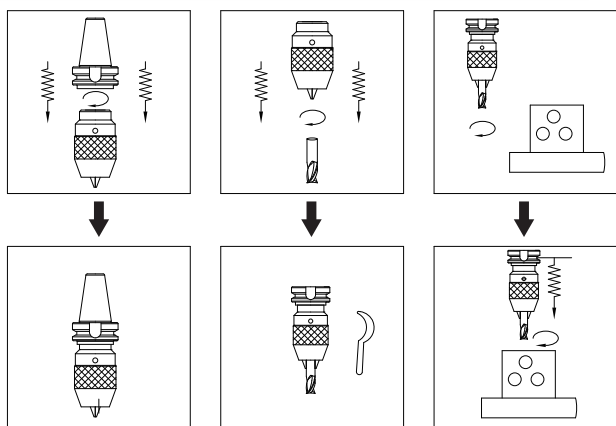
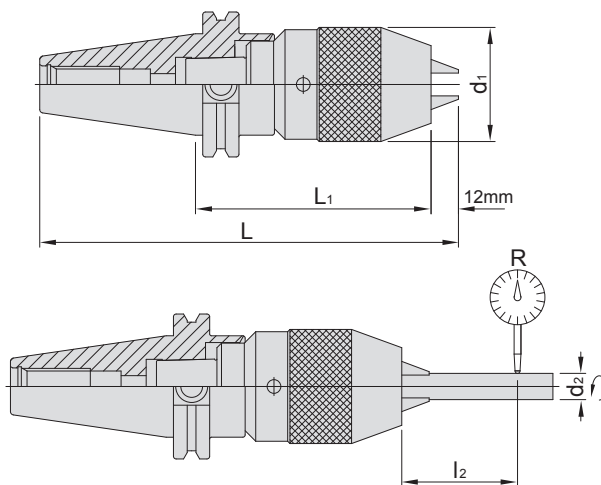
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	WEIGHT (KGS)
SYIC - 22352	CAT40 x ER11M - 2.75"	5.447	0.26	0.63	0.433	0.59	M6 x 1.0P	1.1
SYIC - 22354	CAT40 x ER11M - 4"	6.687						1.2
SYIC - 22356	CAT40 x ER16M - 2.76"	5.447	0.42	0.87	0.63	0.83	M10 x 1.5P	1.2
SYIC - 22358	CAT40 x ER16M - 4"	6.687						1.3
SYIC - 22360	CAT40 x ER20M - 2.76"	5.447	0.453	1.102	0.79	1.06	M12 x 1.75P	1.2
SYIC - 22362	CAT40 x ER20M - 4"	6.687						1.5
SYIC - 22364	CAT50 x ER16M - 4"	8	0.42	0.87	0.63	0.83	M10 x 1.5P	3.9
SYIC - 22366	CAT50 x ER16M - 6"	10						4.0
SYIC - 22368	CAT50 x ER20M - 4"	8	0.453	1.102	0.79	1.06	M12 x 1.75P	4.2
SYIC - 22370	CAT50 x ER20M - 6"	10						5.2

Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P223	P275

SYIC-22400

CAT / SPU 直結式鑽夾頭



• Avoid chuck falling off.
⊙ Inside with tightening design for thread.

• Can be used for heavy-duty cutting & high-speed cutting.
⊙ Drill never loosening or falling off.

• It also can process for higher work-piece.
⊙ Additional use range of machine.

This product is added with multi safety design and suitable for Machine Center. In automatic operation controlled by computer and unmanned management process, it can be processed safely and smoothly.

- The pre-balance can reach G6.3 8,000 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	d_1	l_2	d_2	R	WEIGHT (KGS)
SYIC - 22403	CAT40 x SPU1/2" - 4"	4	6.687	1.969	2.615	0.394	0.00157	1.95
SYIC - 22404	CAT40 x SPU5/8" - 4.6"	4.6	7.287		3.149	3.215		2.25
SYIC - 22405	CAT40 x SPU1/2" - 4"	4	5		2.953	0.512		4.35

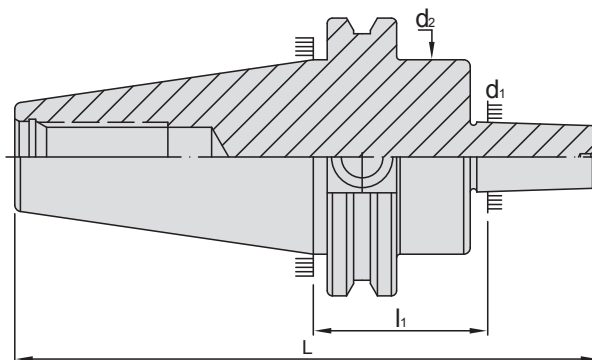
Standard Accessory: • SPANNER

Option

SPANNER	PULL STUDS
 P250	 P223

SYIC-22500

CAT 鑽夾頭刀柄



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For Drill Chuck with DIN 238.
- Superior accuracy.
- Low cost.

INCHES

MODEL NO.	TYPE	L	d ₁	d ₂	WEIGHT (KGS)
SYIC - 22511	CAT40 x JTA2 - 1.57"	5.132	0.559	1.75	1.25
SYIC - 22512	CAT40 x JTA3 - 1.57"	5.475	0.811		1.25
SYIC - 22513	CAT40 x JTA6 - 1.57"	5.569	0.676		1.25
SYIC - 22515	CAT40 x JTA33 - 1.57"	5.569	0.624		1.25
SYIC - 22521	CAT50 x JTA2 - 1.57"	6.445	0.559	2.75	3.55
SYIC - 22523	CAT50 x JTA6 - 1.57"	6.57	0.676		3.65
SYIC - 22525	CAT50 x JTA33 - 1.57"		0.624		3.65
SYIC - 22527	CAT50 x JTA3 - 1.57"		0.811		3.65

Option

PULL STUDS

P223

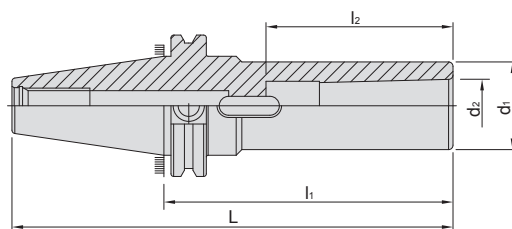
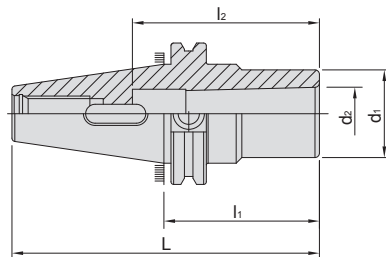


SYIC-22600

CAT 斜柄鑽頭套筒

DIN 228-2

CAT



- High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	WEIGHT (KGS)
SYIC - 22611	CAT40 x MTA1 - 1.6"	4.287	2.205	1	0.475	1.30
SYIC - 22613	CAT40 x MTA2 - 2"	4.687	2.638	1.25	0.7	1.50
SYIC - 22615	CAT40 x MTA3 - 2.75"	5.437	3.307	1.55	0.938	1.80
SYIC - 22617	CAT40 x MTA4 - 3.75"	6.437	4.213	1.75	1.23	2.40
SYIC - 22621	CAT50 x MTA1 - 2"	6	2.205	1	0.475	4.05
SYIC - 22623	CAT50 x MTA2 - 2"	6	2.638	1.25	0.7	4.40
SYIC - 22625	CAT50 x MTA3 - 2.5"	6.5	3.307	1.55	0.938	4.50
SYIC - 22627	CAT50 x MTA4 - 3.3"	7.3	4.213	1.75	1.23	4.90
SYIC - 22629	CAT50 x MTA5 - 4.1"	8.1	5.236	2.48	1.748	5.15

Option

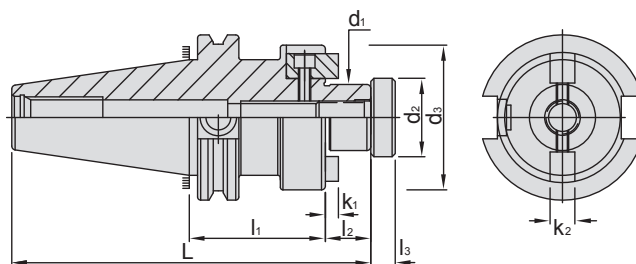
PULL STUDS



P223

SYIC-22700

CAT 平面銑刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper AT3.
- The pre-balance can reach G6.3 3,000 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 d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
SYIC - 22711	CAT40 x FMA3/4" - 1.37"	4.744	0.687	0.512	0.925	1.69	0.188	0.3125	1.50
SYIC - 22711 - 4	CAT40 x FMA3/4" - 4"	7.374							1.70
SYIC - 22711 - 6	CAT40 x FMA3/4" - 6"	9.374							1.90
SYIC - 22713	CAT40 x FMA1" - 2.06"	5.434		0.63	1.24	2.19	0.25	0.5	2.40
SYIC - 22713 - 4	CAT40 x FMA1" - 4"	7.374							2.55
SYIC - 22713 - 6	CAT40 x FMA1" - 6"	9.374							2.75
SYIC - 22715	CAT40 x FMA1-1/4" - 2.21"	5.584	0.938	0.807	1.614	2.75	0.25	0.5	2.60
SYIC - 22715 - 4	CAT40 x FMA1-1/4" - 4"	7.374							2.75
SYIC - 22715 - 6	CAT40 x FMA1-1/4" - 6"	9.374							2.95
SYIC - 22717	CAT40 x FMA1-1/2" - 2.21"	5.584			1.752	3.81	0.349	0.625	2.70
SYIC - 22717 - 4	CAT40 x FMA1-1/2" - 4"	7.627							2.95
SYIC - 22721	CAT50 x FMA3/4" - 1.5"	6.187							4.20
SYIC - 22721 - 3.5	CAT50 x FMA3/4" - 3.5"	8.187	0.687	0.512	0.925	1.69	0.188	0.3125	4.40
SYIC - 22721 - 5.5	CAT50 x FMA3/4" - 5.5"	10.187							4.60
SYIC - 22723	CAT50 x FMA1" - 2"	6.687		0.63	1.24	2.19	0.25	0.5	4.50
SYIC - 22723 - 4	CAT50 x FMA1" - 4"	8.687							4.70
SYIC - 22723 - 6	CAT50 x FMA1" - 6"	10.687							4.90
SYIC - 22725	CAT50 x FMA1-1/4" - 1.5"	6.187			1.614	2.75	0.25	0.5	4.70
SYIC - 22725 - 3.5	CAT50 x FMA1-1/4" - 3.5"	8.187							4.80
SYIC - 22725 - 5	CAT50 x FMA1-1/4" - 5"	9.687							5.00
SYIC - 22725 - 6	CAT50 x FMA1-1/4" - 6"	10.687	0.938	0.807	1.752	3.81	0.349	0.625	5.10
SYIC - 22727	CAT50 x FMA1-1/2" - 2.4"	7.388							5.00
SYIC - 22727 - 4	CAT50 x FMA1-1/2" - 4"	8.988							5.20
SYIC - 22727 - 6	CAT50 x FMA1-1/2" - 6"	10.988			2.5	4.88	0.384	0.75	5.40
SYIC - 22729	CAT50 x FMA2" - 2.4"	7.388							5.40
SYIC - 22729 - 4	CAT50 x FMA2" - 4"	8.988							5.60

Option

PULL STUDS

SHELL MILL SCREWS

P223

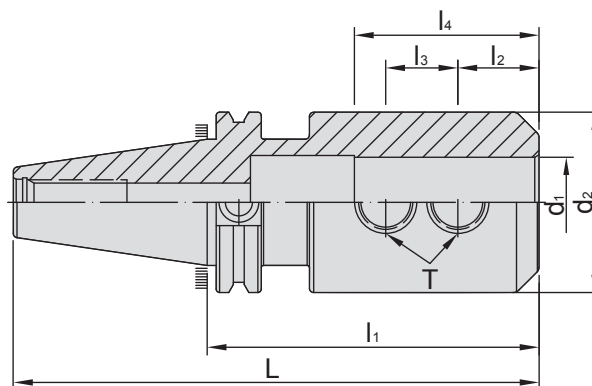


P276



SYIC-22900

CAT / SLN 側固式立銑刀柄



- Internal hole tolerance: H5.
- The pre-balance of shank diameter must conform to DIN-1835-B and its matched tool also needs to conform to this standard.
- Diameter permissible tolerance within h6~h7.

- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	l ₄	l ₅	d ₂	T	WEIGHT (KGS)
SYIC - 22907	CAT40 x SLN1/8" - 2.375"	5.062	0.37		0.787	4.1	0.69	6# - 32	1.15
SYIC - 22909	CAT40 x SLN3/16" - 2.5"	5.187	0.562		0.984	2.5	0.78	8# - 32	1.20
SYIC - 22911	CAT40 x SLN1/4" - 3"		0.63		1.38	4.1	0.88	1/4 - 28	1.15
SYIC - 22913	CAT40 x SLN5/16" - 3"		0.75		1.535	2.5	1	5/16 - 24	1.20
SYIC - 22915	CAT40 x SLN3/8" - 3"		0.875		1.732	2.7	1.25	3/8 - 24	1.25
SYIC - 22917	CAT40 x SLN1/2" - 3"		0.937		1.85	3.6	1.5	7/16 - 20	1.40
SYIC - 22919	CAT40 x SLN5/8" - 3"		1		1.929	3.9	1.75	1/2 - 20	1.50
SYIC - 22921 - 3	CAT40 x SLN3/4" - 3"		1.063		2.36	4.2	1.88	5/8 - 18	1.65
SYIC - 22921	CAT40 x SLN3/4" - 3.5"	6.187	1.125	0.875	2.559	4.4	2	3/4 - 16	1.70
SYIC - 22923	CAT40 x SLN7/8" - 3.5"	6.687	1.125	1	2.56	3	2.5	3/4 - 16	2.55
SYIC - 22925	CAT40 x SLN1" - 4"	7.287	1.125	1	2.56	3	2.5	3/4 - 16	2.80
SYIC - 22927	CAT40 x SLN1-1/4" - 4.6"	7.187	1.125	1	2.56	3	2.5	3/4 - 16	2.90
SYIC - 22929	CAT40 x SLN1-1/2" - 4.5"	7.187	1.125	1	2.56	3	2.5	3/4 - 16	3.20
SYIC - 22931	CAT50 x SLN1/4" - 4"		0.63		1.378	3.4	0.78	1/4 - 28	3.95
SYIC - 22933	CAT50 x SLN5/16" - 4"		0.781		1.535	3.4	0.88	5/16 - 24	3.95
SYIC - 22935	CAT50 x SLN3/8" - 4"		0.875		1.732	3.5	1	3/8 - 24	4.00
SYIC - 22937	CAT50 x SLN1/2" - 4"		0.937		1.85	4.6	1.25	7/16 - 20	4.15
SYIC - 22939	CAT50 x SLN5/8" - 4"		1		1.929	4.6	1.5	1/2 - 20	4.30
SYIC - 22941	CAT50 x SLN3/4" - 4"		1.063		2.362	4.2	1.75	5/8 - 18	4.35
SYIC - 22943	CAT50 x SLN7/8" - 4"		1.125	0.875	2.56	4.4	1.88	5/8 - 18	5.30
SYIC - 22945	CAT50 x SLN1" - 4"		1.125	1	2.56	4.4	2	3/4 - 16	5.50
SYIC - 22947 - 4	CAT50 x SLN1-1/4" - 4"	8.6	1.125	1	2.756	4	2.5	3/4 - 16	5.65
SYIC - 22947	CAT50 x SLN1-1/4" - 4.6"	8.6	1.125	1	2.756	4	2.5	3/4 - 16	5.70
SYIC - 22949	CAT50 x SLN1-1/2" - 4.6"	8.6	1.125	1	2.756	4	2.5	3/4 - 16	5.70
SYIC - 22951	CAT50 x SLN2" - 6"	10	1.335	1.41	3.347	5	3.75	1 - 14	5.90

Option

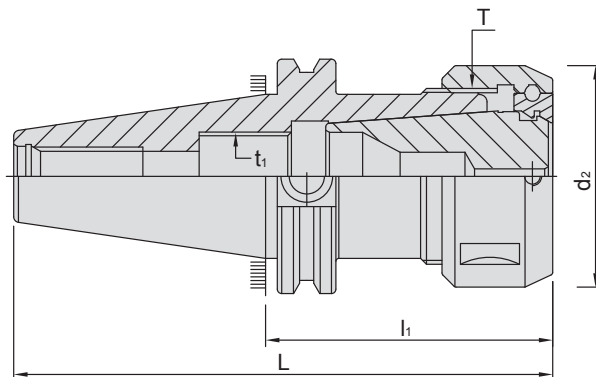
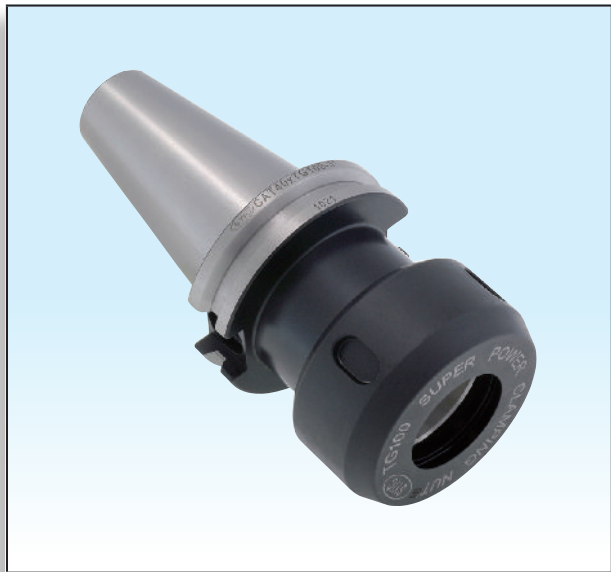
PULL STUDS



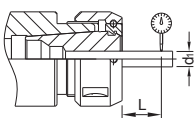
P223

SYIC-23000

CAT / TG 立銑刀夾頭

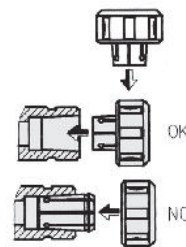


d ₁ TEST BAR DIAMETER		L	ROUND CONCENTRICITY
MIN.	MAX.		
3	6	16	0.01
6	10	25	
10	18	40	
18	24	50	0.01
24	32	60	



- ★ Every collet shipped out of the factory has been passed inspection.
- ★ Standard testing table is in accordance with the cutting length and precise requirements of various sizes of END MILLS.

- Collet taper is 4.1751°, good concentricity and clamping capacity.
- Suitable for heavy-duty cutting.
- Particular square thread design, with good clamping capacity.
- The price includes a nut, but without any spanner and collets.
- While ordering, other Power Good Nuts could be purchased separately for combination.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



INCHES

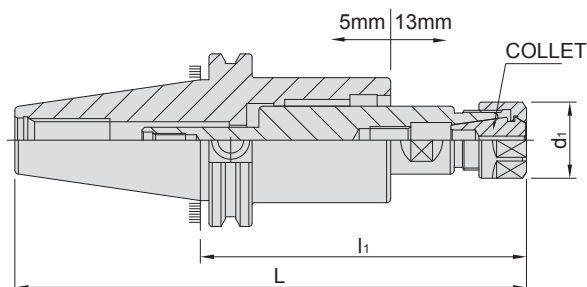
MODEL NO.	TYPE - l ₁	L	t ₁	T	d ₂	WEIGHT (KGS)
SYIC - 23008	CAT40 x TG75 - 2.75"	5.437	M16x2.0P	TW 1-1/2" - 12	1.968	1.20
SYIC - 23010	CAT40 x TG75 - 4"	6.687				1.40
SYIC - 23012	CAT40 x TG75 - 5"	7.687				1.60
SYIC - 23014	CAT40 x TG100 - 3"	5.687		TW 1-7/8" - 12	2.362	1.20
SYIC - 23016	CAT40 x TG100 - 4"	6.687				1.40
SYIC - 23018	CAT40 x TG100 - 6"	8.687				2.55
SYIC - 23020	CAT40 x TG150 - 5"	7.687	M24x2.0P	TW 2-5/8" - 12	3.228	2.90
SYIC - 23022	CAT40 x TG150 - 6"	8.687				3.70
SYIC - 23030	CAT50 x TG100 - 3"	7	M16x2.0P	TW 1-7/8" - 12	2.362	3.25
SYIC - 23032	CAT50 x TG100 - 4"	8				4.40
SYIC - 23034	CAT50 x TG100 - 6"	10				5.30
SYIC - 23036	CAT50 x TG150 - 5"	9	M24x2.0P	TW 2-5/8" - 12	3.228	5.70
SYIC - 23038	CAT50 x TG150 - 6"	10				6.10
SYIC - 23040	CAT50 x TG150 - 7"	11				6.50

Standard Accessory: ● STANDARD NUT
Option

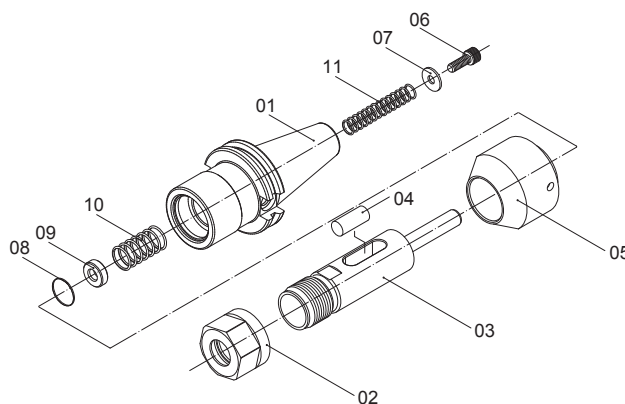
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P238	P245	P250	P223	P275

SYIC-23100

CAT / ETP 伸縮 ER 攻牙器



NO	NAME OF EACH PART	NO	NAME OF EACH PART
01	Body	07	Washer
02	Nut	08	Medium spring
03	Arbor	09	Washer
04	Pin	10	Medium spring
05	Dust-proof bush	11	Medium spring
06	Screw		



INCHES

MODEL NO.	TYPE	L	l ₁	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
SYIC - 23102	CAT40 x ETP16 - 4.75"	6.687	4.75	1.102	ER16	0.125 - 0.394	1.65
SYIC - 23104	CAT40 x ETP16 - 6"	8.687	6				1.85
SYIC - 23106	CAT40 x ETP20 - 4"	6.687	4	1.732	ER20	0.125 - 0.625	1.65
SYIC - 23108	CAT40 x ETP20 - 6"	8.687	6				1.90
SYIC - 23110	CAT40 x ETP32 - 4.75"	7.437	4.75	2.205	ER32	0.125 - 1.0625	2.10
SYIC - 23116	CAT50 x ETP20 - 4"	8	4	1.732	ER20	0.125 - 0.625	4.30
SYIC - 23118	CAT50 x ETP20 - 6"	10	6				4.60
SYIC - 23120	CAT50 x ETP32 - 4.75"	8.75	4.75	2.205	ER32	0.125 - 1.0625	4.65

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P230	P241	P249	P223	P275

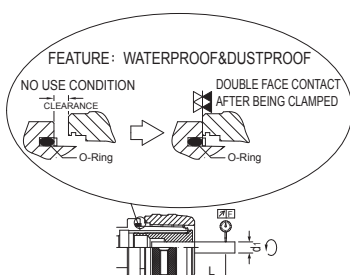
SYIC-23200

CAT / MLD 直式筒夾 銑床夾頭



Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d ₁ END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								

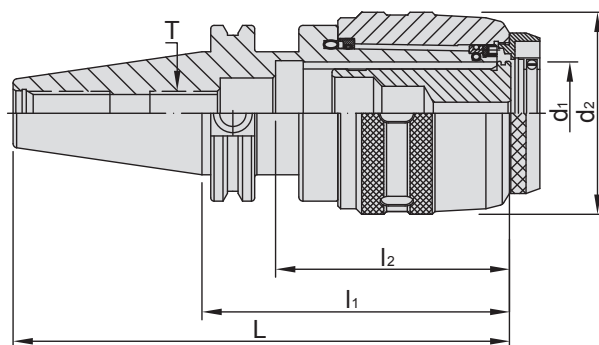
INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	T	d ₁	d ₂	WEIGHT (KGS)		
SYIC - 23202	CAT40 x MLD3/4" - 4"	6.687	4	2.165	5/8" - 11	0.75	2.17	1.9		
SYIC - 23203	CAT40 x MLD3/4" - 6"	8.687	6					2.1		
SYIC - 23204	CAT40 x MLD1" - 4"	6.687	4			1	2.36	2.4		
SYIC - 23208	CAT40 x MLD1" - 6"	8.687	6					2.5		
SYIC - 23210	CAT40 x MLD1-1/4" - 4.2"	6.887	4.2	2.56	1" - 8	1.25	2.87	2.5		
SYIC - 23212	CAT40 x MLD1-1/4" - 6"	8.687	6					2.7		
SYIC - 23214	CAT50 x MLD3/4" - 4"	8	4	2.165		0.75	2.17	2.5		
SYIC - 23216	CAT50 x MLD3/4" - 6"	10	6					2.8		
SYIC - 23218	CAT50 x MLD1" - 4"	8	4					1	2.36	2.9
SYIC - 23220	CAT50 x MLD1" - 6"	10	6							2.7
SYIC - 23222	CAT50 x MLD1-1/4" - 4.13"	8.13	4.13	2.56		1.25	2.87	2.7		
SYIC - 23224	CAT50 x MLD1-1/4" - 6"	10	6					3.0		

Standard Accessory: • NUT • PRESET SCREW

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P235	P243	P250	P223	P275



SLOTING

This design is to make 6 slots inside the internal hole to prevent slipping and increase clamping power.

NEEDLE BEARING

It adopts two line device in order to decrease rolling friction and slipping during sliding by taper side.

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- 4 adjustable coolant ports for directing coolant.



- W/O coolant hole nut (SYIC-19490) is for coolant through the cutting tool.



STRAIGHT COLLET CAT / MLT MULTI - LOCK MILLING CHUCK

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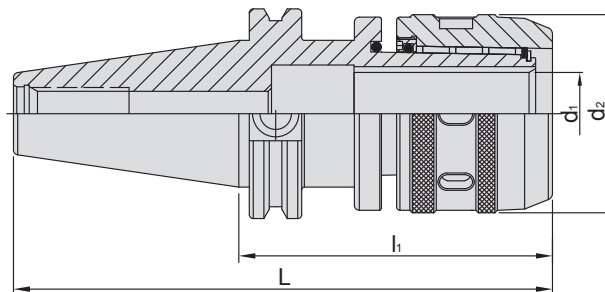
SYIC-23240T

CAT / MLT 直式筒夾 銑床夾頭

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T W PAT NO. M 336833
T W PAT NO. M 282763
T W PAT NO. M 286103
C N PAT NO. ZL200620005386.6
C N PAT NO. ZL200820102785.3

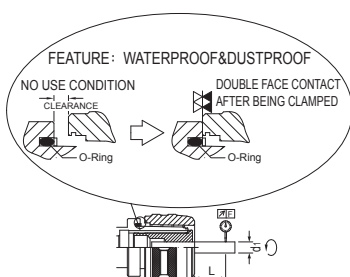


D
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Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.

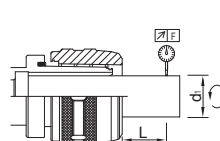


- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

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UNIT: mm

d ₁ END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								



UNIT: mm

L	MLT20	60
	MLT32	80
	MLT40	100
F CONCENTRICITY	0.001 ~ 0.005	

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INCHES

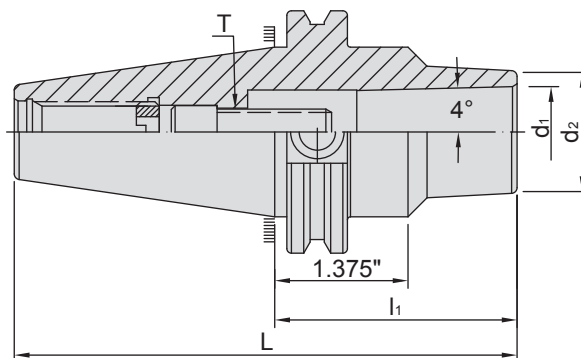
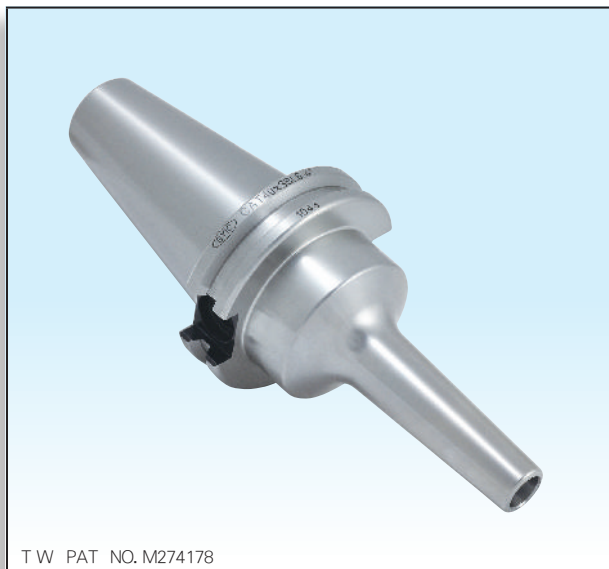
MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 23241T	CAT40 x MLT3/4" - 3.39"	5.23	3.39	0.75	2.17	1.9
SYIC - 23242T	CAT40 x MLT3/4" - 4.13"	6.82	4.13	0.75	2.17	2.1
SYIC - 23246T	CAT40 x MLT1-1/4" - 4.53"	7.21	4.53	1.25	2.87	2.4
SYIC - 23252T	CAT50 x MLT3/4" - 4.13"	8.13	4.13	0.75	2.17	2.5
SYIC - 23256T	CAT50 x MLT1-1/4" - 4.13"			1.25	2.87	2.8

Option

COLLET	SPANNER	PULL STUDS
		
P235	P250	P223

SYIC-23650

CAT / SBL 後拉式立銑刀夾頭



- Every tool holder reaches the revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

INCHES

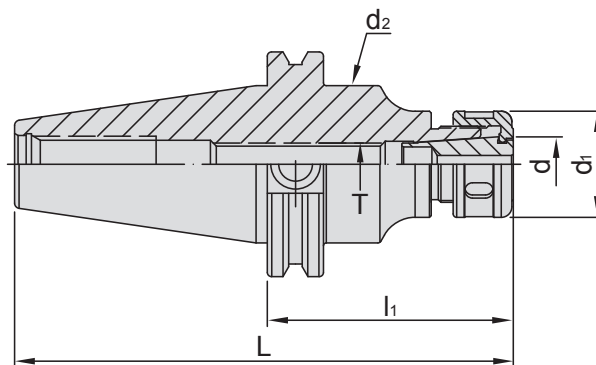
MODEL NO.	TYPE - l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 23654	CAT40 x SBL6 - 3"	5.387	0.39	0.551	M6 x 1.0P	1.00
SYIC - 23656	CAT40 x SBL6 - 4"	6.387				1.25
SYIC - 23658	CAT40 x SBL6 - 6"	8.387				1.20
SYIC - 23660	CAT40 x SBL12 - 2.5"	5.187	0.709	1.024	M10 x 1.5P	1.45
SYIC - 23662	CAT40 x SBL12 - 4"	6.387				1.20
SYIC - 23664	CAT40 x SBL12 - 6"	8.387				1.45
SYIC - 23666	CAT40 x SBL20 - 2.5"	5.187	1.063	1.378	M12 x 1.75P	1.20
SYIC - 23668	CAT40 x SBL20 - 4"	6.387				1.60
SYIC - 23670	CAT40 x SBL20 - 6"	8.387				1.50
SYIC - 23672	CAT50 x SBL6 - 3.5"	7.5	0.39	0.551	M6 x 1.0P	1.70
SYIC - 23674	CAT50 x SBL6 - 4.5"	8.5				1.50
SYIC - 23676	CAT50 x SBL6 - 6"	10				1.70
SYIC - 23678	CAT50 x SBL12 - 2.5"	6.5	0.709	1.024	M10 x 1.5P	4.00
SYIC - 23680	CAT50 x SBL12 - 4.5"	8.5				4.10
SYIC - 23682	CAT50 x SBL12 - 6"	10				4.20
SYIC - 23684	CAT50 x SBL20 - 2.5"	6.5	1.063	1.378	M12 x 1.75P	4.30
SYIC - 23686	CAT50 x SBL20 - 4.5"	8.5				4.60
SYIC - 23688	CAT50 x SBL20 - 6"	10				4.70

Option

COLLET	SPANNER	PULL STUDS
P237	P250	P223

SYIC-23700

CAT / SKS 高速機專用夾頭



- Best T.I.R: runout is within 5μ (4D length).
- SKS Collet taper: 4°, increasing holding power, concentricity and rigidity.
- Every tool holder reaches revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

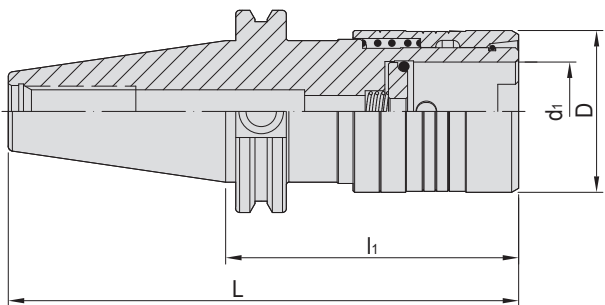
INCHES

MODEL NO.	TYPE - l ₁	L	d	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 23712	CAT40 x SKS6 - 3.5"	6.187	0.589	0.709	1.75	M8 x 1.25P	1.05
SYIC - 23714	CAT40 x SKS6 - 4"	7.187					1.65
SYIC - 23716	CAT40 x SKS10 - 3.5"	6.187	0.709	1.181		M12 x 1.75P	1.05
SYIC - 23718	CAT40 x SKS10 - 4"	7.187					1.65
SYIC - 23722	CAT40 x SKS16 - 3.5"	6.187	0.942	1.574		M18 x 1.5P	1.35
SYIC - 23724	CAT40 x SKS16 - 4"	7.187					2.10
SYIC - 23732	CAT40 x SKS25 - 3.5"	6.187	1.386	2.169		M28 x 2.0P	1.35
SYIC - 23734	CAT40 x SKS25 - 4"	7.187					2.20
SYIC - 23742	CAT50 x SKS6 - 3.5"	7.5	0.589	0.709	2.75	M8 x 1.25P	3.60
SYIC - 23744	CAT50 x SKS6 - 4"	8					4.00
SYIC - 23746	CAT50 x SKS10 - 4"	8	0.709	1.181		M12 x 1.75P	3.80
SYIC - 23748	CAT50 x SKS10 - 4.5"	8.5					4.00
SYIC - 23752	CAT50 x SKS16 - 4"	8	0.942	1.574		M18 x 1.5P	4.00
SYIC - 23754	CAT50 x SKS16 - 4.5"	8.5					4.15
SYIC - 23762	CAT50 x SKS25 - 4"	8	1.386	2.169		M28 x 2.0P	4.20
SYIC - 23764	CAT50 x SKS25 - 4.5"	8.5					4.40

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
				
P240	P245	P250	P223	P275



QUICK CHANGE TAPPING COLLET



QUICK CHANGE RIGID TAP COLLET

INCHES

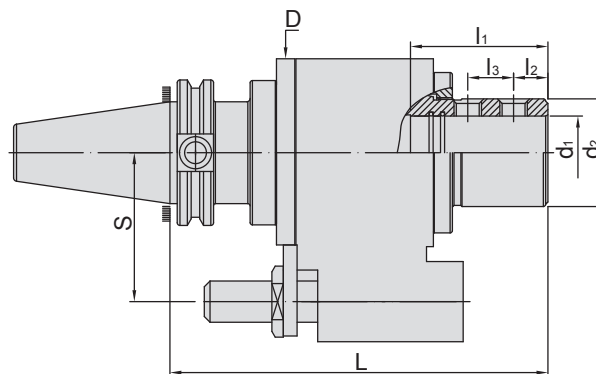
MODEL NO.	TYPE	TAPPING CAPACITY	L	l ₁	D	d ₁	WEIGHT (KGS)
SYIC - 27715	CAT40 x 312	0 ~ 9/16"	5.01	2.32	1.31	1.08	1.12
SYIC - 27716	CAT40 x 822	0 ~ 9/16"	5.92	3.23	1.97	1.61	1.56
SYIC - 27717	CAT40 x 1636	5/16" ~ 7/8"	7.49	4.8	2.83	2.44	2.58
SYIC - 27721	CAT50 x 312	5/16" ~ 7/8"	6.95	2.95	1.31	1.08	3.06
SYIC - 27722	CAT50 x 822	1/2" ~ 1-3/8"	7.86	3.86	1.97	1.61	3.50
SYIC - 27723	CAT50 x 1636	1/2" ~ 1-3/8"	8.8	4.8	2.83	2.44	4.52

Option

TAPPING COLLET	RIGID TAP COLLET	PULL STUDS
P259	P259	P223

SYIC-28000

CAT / OSL 側固式油路刀把



- Please confirm the "S" size when ordering.
- Please confirm the machining centers have high pressure pump.
- Water pressure up to 7 kgf/cm².
- Max. revolution: 3000 rpm.

- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.
- The water pressure for Oil Hole Holder can be raised according to customer's request. Additional charges will be needed.

INCHES

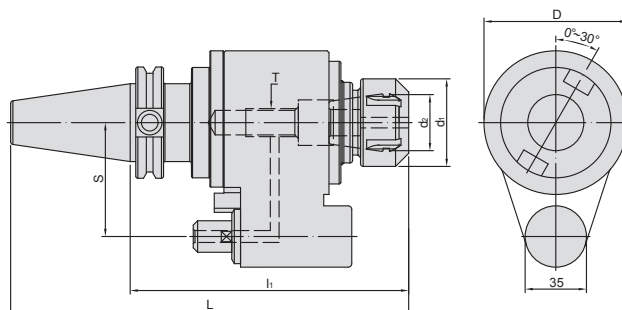
MODEL NO.	TYPE (d ₁ - L)	d ₂	l ₁	l ₂	l ₃	S	T	WEIGHT (KGS)
SYIC - 28001	CAT40 x OSL16 - 6.5"	1.89	1.89	0.98	-	2.56	M12 x 1.75P	3.5
SYIC - 28003	CAT40 x OSL20 - 6.5"		1.97					3.5
SYIC - 28005	CAT40 x OSL25 - 6.5"		2.2	0.59			0.79	M16 x 2.0P
SYIC - 28007	CAT40 x OSL32 - 6.5"	1.95	2.36					
SYIC - 28002	CAT40 x OSL16 - 6.5"S	1.89	1.89	0.98	-	2.36	M12 x 1.75P	3.5
SYIC - 28004	CAT40 x OSL20 - 6.5"S		1.97					3.5
SYIC - 28006	CAT40 x OSL25 - 6.5"S		2.2	0.59				0.79
SYIC - 28008	CAT40 x OSL32 - 6.5"S	1.95	2.36					
SYIC - 28009	CAT50 x OSL16 - 6.5"	2.28	1.89	0.98	-	3.15	M14 x 2.0P	7.0
SYIC - 28011	CAT50 x OSL20 - 6.5"		1.97					7.5
SYIC - 28013	CAT50 x OSL25 - 6.5"		2.2	0.59			0.79	M16 x 2.0P
SYIC - 28015	CAT50 x OSL32 - 6.5"	2.36	7.8					
SYIC - 28017	CAT50 x OSL40 - 6.69"	2.21	2.44		0.98		M14 x 2.0P	8.5
SYIC - 28019	CAT50 x OSL16 - 6.5"M	2.28	1.89	0.98	-	3.23	M12 x 1.75P	7.1
SYIC - 28021	CAT50 x OSL20 - 6.5"M		1.97					7.6
SYIC - 28023	CAT50 x OSL25 - 6.5"M		2.2	0.59			0.79	M16 x 2.0P
SYIC - 28025	CAT50 x OSL32 - 6.5"M	2.36	7.8					
SYIC - 28027	CAT50 x OSL40 - 6.69"M	2.21	2.44		0.98		M14 x 2.0P	8.5
SYIC - 28029	CAT50 x OSL16 - 6.5"L	2.28	1.89	0.98	-	3.35	M12 x 1.75P	7.2
SYIC - 28031	CAT50 x OSL20 - 6.5"L		1.97					7.8
SYIC - 28033	CAT50 x OSL25 - 6.5"L		2.2	0.59			0.79	M16 x 2.0P
SYIC - 28035	CAT50 x OSL32 - 6.5"L	2.36	8.0					
SYIC - 28037	CAT50 x OSL40 - 6.69"L	2.21	2.44		0.98		M14 x 2.0P	8.7

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUDS
P261	P261	P223

SYIC-28200

CAT / OHER 油路刀把



- First, bolt the coolant screw with the fixed block of machine.
- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.

INCHES

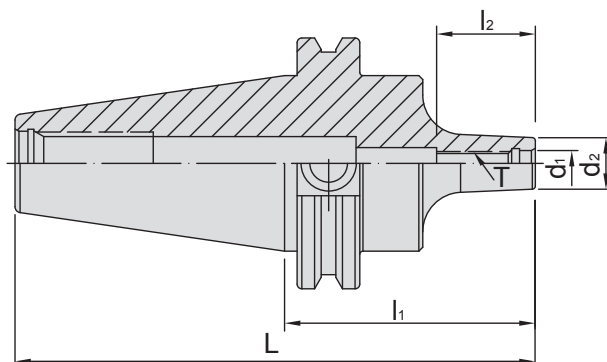
MODEL NO.	TYPE	L	I ₁	D	d ₁	d ₂ ER	S	T	WEIGHT (KGS)
SYIC - 28202	CAT40 x OHER16 - 6.3"	8.987	6.3	82	28	16	2.56	M10	3.8
SYIC - 28204	CAT40 x OHER20 - 6.3"				34	20		M12	4.1
SYIC - 28206	CAT40 x OHER25 - 6.3"				42	25		M16	4.3
SYIC - 28208	CAT40 x OHER32 - 6.3"				50	32			4.5
SYIC - 28210	CAT50 x OHER16 - 6.3"	10.3		98	28	16	3.15	M10	7.0
SYIC - 28212	CAT50 x OHER20 - 6.3"				34	20		M12	7.1
SYIC - 28214	CAT50 x OHER25 - 6.3"				42	25		M16	7.2
SYIC - 28216	CAT50 x OHER32 - 6.3"				50	32			7.3
SYIC - 28218	CAT50 x OHER40 - 6.3"				63	40		M20	7.5

Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUDS	PRESET SCREW
P225	P241	P249	P261	P223	P275

SYIC-29300

CAT / SOM 螺紋鎖固式刀桿



- For center coolant (DIN 69871-AD).
- Every tool holder reaches the revolution of G6.3 10,000 rpm, with 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	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 29330	CAT40 x SOM6 - 2.5"	5.187	0.984	0.256	0.393	M6 x 1.0P	1.2
SYIC - 29332	CAT40 x SOM8 - 2.5"			0.335	0.512	M8 x 1.25P	1.2
SYIC - 29334	CAT40 x SOM10 - 2.5"			0.413	0.748	M10 x 1.5P	1.2
SYIC - 29336	CAT40 x SOM12 - 3"	5.687	1.22	0.492	0.827	M12 x 1.75P	1.3
SYIC - 29338	CAT40 x SOM16 - 3"			0.669	1.412	M16 x 2.0P	1.4
SYIC - 29360	CAT50 x SOM6 - 2.5"	6.5	0.984	0.256	0.393	M6 x 1.0P	3.0
SYIC - 29362	CAT50 x SOM8 - 2.5"			0.335	0.512	M8 x 1.25P	3.0
SYIC - 29364	CAT50 x SOM10 - 2.5"			0.413	0.748	M10 x 1.5P	3.0
SYIC - 29366	CAT50 x SOM12 - 3"	7	1.22	0.492	0.827	M12 x 1.75P	3.1
SYIC - 29368	CAT50 x SOM16 - 3"			0.669	1.412	M16 x 2.0P	3.2

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUDS
P262	P262	P263	P263	P223

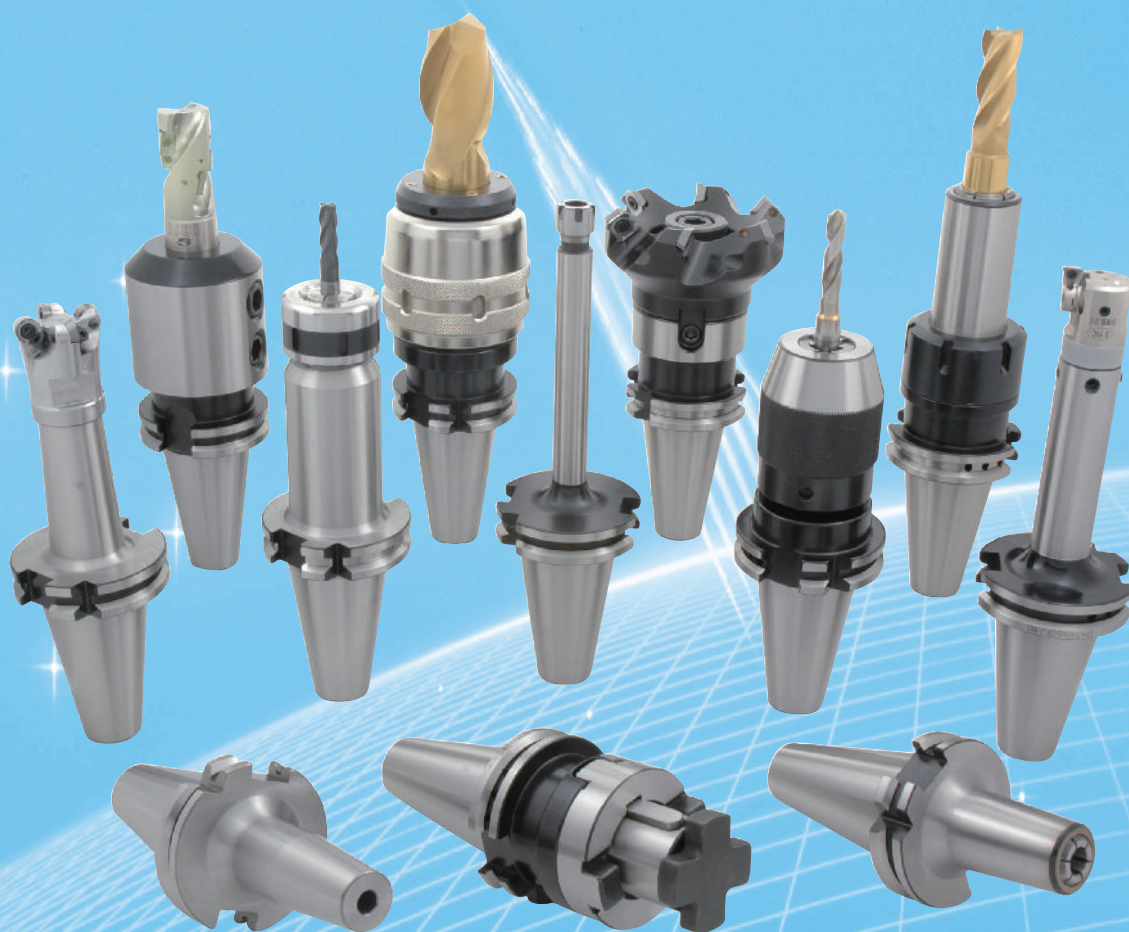
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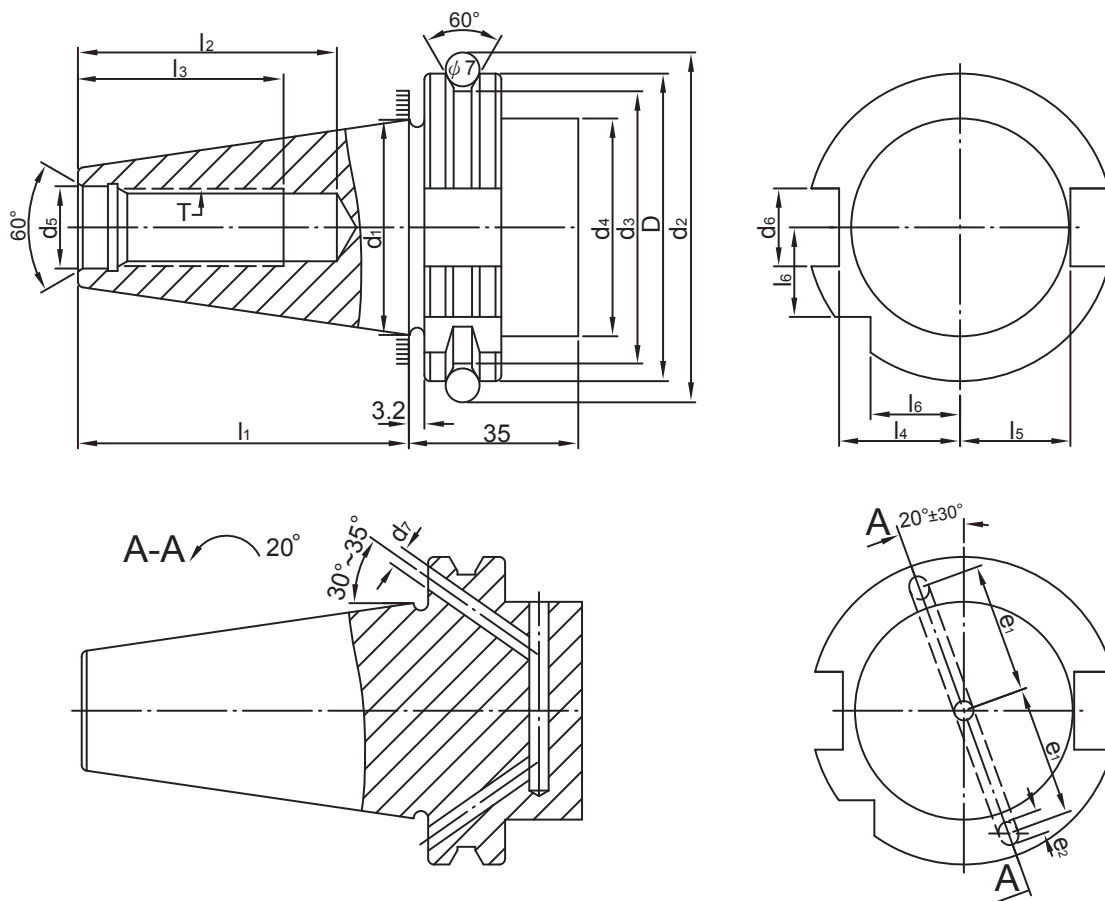


DIN 69871-A

DAT TOOL HOLDER SYSTEM

41350	DAT / MLD MULTI - LOCK MILLING CHUCK	77
41400T	DAT / MLT MULTI - LOCK MILLING CHUCK	78
42000	DAT / EOC COLLET CHUCK	79
42100	DAT / TG COLLET CHUCK	80
42200	DAT / ER COLLET CHUCK	81-83
42350	DAT EXPANSION ER TAPPER	84
42400	DAT / ER COLLET CHUCK M TYPE	85,86
42480	DAT / SPU DRILL CHUCK ADAPTER	87
42600	DAT DRILL CHUCK ARBOR	88
42650	DAT MORSE TAPER ADAPTER	89
42700	DAT FACE MILL ARBOR	90
42800	DAT / COMBI SHELL END MILL ARBOR	91
42900	DAT SIDE LOCK END MILL HOLDER	92
43000	DAT / SKS COLLET CHUCK	93
44000	DAT ADAPTER	94
45350	DAT / SBL SLIM-FIT COLLET CHUCK	95
47710	QUICK CHANGE TAPPING CHUCK	96
48000	DAT / SIDE LOCK OIL HOLE HOLDER	97
48200	DAT / ER OIL HOLE COLLET CHUCK	98
49200	DAT / SOM SCREWED END MILL HOLDER	99





TYPE	D 0 -0.1	d ₁	d ₂ ±0.05	d ₃ 0 -0.5	d ₄ MAX	d ₅ H7	d ₆ H12	d ₇	l ₁ 0 -0.3	l ₂ MIN	l ₃ MIN	l ₄ 0 -0.4	l ₅ 0 -0.4	l ₆ 0 -0.3	e ₁ ±0.1	e ₂ MAX	T
DAT30	50	31.75	59.30	44.30	45	13	16.1	4	47.8	33.5	24	19	16.4	15	21	5	M12
DAT40	63.55	44.45	72.30	56.25	50	17	16.1	4	68.4	42.5	32	25	22.8	18.5	27	5	M16
DAT50	97.50	69.85	107.25	91.25	80	25	25.7	6	101.75	61.5	47	37.7	35.5	30	42	7	M24

1. Taper tolerance < AT3
2. Basic Material: JIS - SCM415
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μm
5. Surface roughness: Ra < 0.25 μm
6. If it is suitable for center coolant standard (DIN-69871-AD or B), it can be ordered .
7. The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.
8. Shank body standard: DIN 69871



STRAIGHT COLLET

DAT / MLD MULTI - LOCK MILLING CHUCK
COOLANT TYPE

SYIC-41350

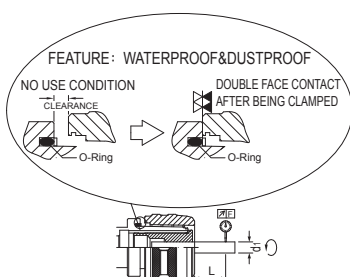
DAT / MLD 直式筒夾 銑床夾頭



T W PAT NO. M 255088
T W PAT NO. M 248535
T W PAT NO. M 336833
T W PAT NO. M 282763
T W PAT NO. M 286103
J P PAT NO. 3101740
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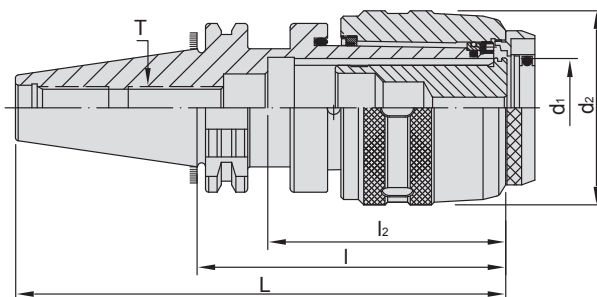
Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d ₁	END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L	END MILL LENGTH	25	30	30	40	40	50	50	60	60
F	CONCENTRICITY	0.02								



SLOTTING

This design is to make 6 slots inside the internal hole to prevent slipping and increase clamping power.

NEEDLE BEARING

It adopts two line device in order to decrease rolling friction and slipping during sliding by taper side.

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- 4 adjustable coolant ports for directing coolant.



- W/O coolant hole nut (SYIC-19490) is for coolant through the cutting tool.

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 41352	DAT30 x MLD20 - 85	132.8	85	55	20	55	M12 x 1.75P	1.9
SYIC - 41354	DAT30 x MLD20 - 100	147.8	100		20	55	M16 x 2.0P	2.1
SYIC - 41356	DAT40 x MLD20 - 85	153.4	85		20	55		2.4
SYIC - 41358	DAT40 x MLD20 - 135	203.4	135		20	55		2.5
SYIC - 41360	DAT40 x MLD25 - 95	163.4	95		25	60		2.6
SYIC - 41362	DAT40 x MLD25 - 135	203.4	135		25	60		2.7
SYIC - 41364	DAT40 x MLD32 - 105	173.4	105	65	32	73	M24 x 3.0P	2.7
SYIC - 41366	DAT40 x MLD32 - 135	203.4	135		32	73		3.0
SYIC - 41368	DAT50 x MLD20 - 105	206.75	105	55	20	55		4.5
SYIC - 41370	DAT50 x MLD20 - 150	251.75	150		20	55		4.9
SYIC - 41372	DAT50 x MLD25 - 105	206.75	105		25	60		4.5
SYIC - 41374	DAT50 x MLD25 - 150	251.75	150		25	60		5.2
SYIC - 41376	DAT50 x MLD32 - 105	206.75	105	65	32	73		5.1
SYIC - 41378	DAT50 x MLD32 - 135	236.75	135		32	73		5.9

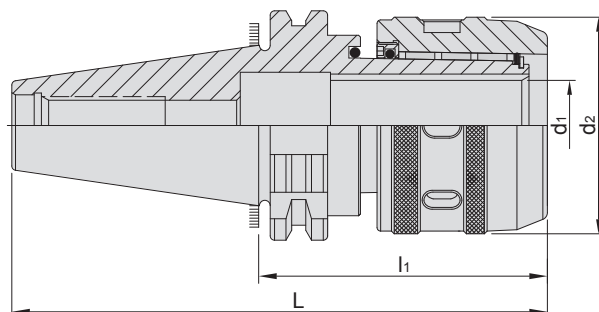
Standard Accessory: • NUT • PRESET SCREW

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P235	P243	P250	P224	P275

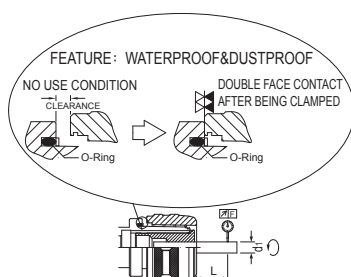
SYIC-41400T

DAT / MLT 直式筒夾 銑床夾頭



Benefit:

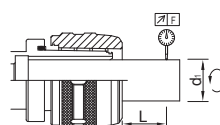
- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d1	END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L	END MILL LENGTH	25	30	30	40	40	50	50	60	60
F	CONCENTRICITY	0.02								

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



UNIT: mm

L	MLT20	60
	MLT32	80
	MLT40	100
F	CONCENTRICITY	0.001 ~ 0.005

MODEL NO.	TYPE	L	l1	d1	d2	WEIGHT (KGS)
SYIC - 41402T	DAT30 x MLT20 - 85	132.8	85	20	55	1.9
SYIC - 41404T	DAT30 x MLT20 - 100	147.8	100			2.1
SYIC - 41408T	DAT40 x MLT20 - 85	153.4	85			2.4
SYIC - 41410T	DAT40 x MLT20 - 100	168.4	100			2.5
SYIC - 41412T	DAT40 x MLT20 - 135	203.4	135	32	73	2.8
SYIC - 41414T	DAT40 x MLT32 - 105	173.4	105			2.7
SYIC - 41416T	DAT40 x MLT32 - 135	203.4	135			3.0
SYIC - 41422T	DAT50 x MLT20 - 105	206.75	105	20	55	4.5
SYIC - 41424T	DAT50 x MLT20 - 150	251.75	150			4.9
SYIC - 41426T	DAT50 x MLT32 - 105	206.75	105	32	73	5.1
SYIC - 41430T	DAT50 x MLT32 - 135	236.75	135			5.9
SYIC - 41432T	DAT50 x MLT42 - 110	211.75	110	95	95	6.0

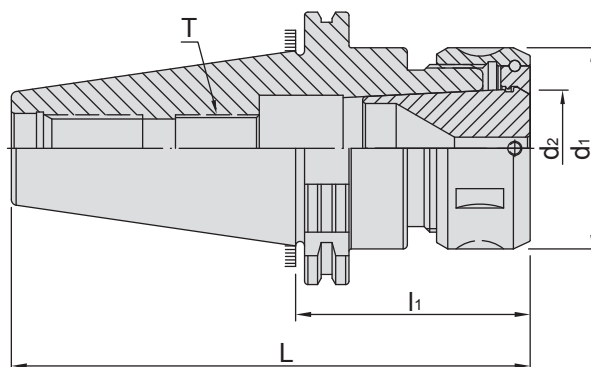
Option

COLLET	SPANNER	PULL STUDS
P235	P250	P224

SYIC-42000

DAT / EOC 立銑刀夾頭

DIN ISO 10897



- Each collet chuck has been locked with a nut, but not including a spanner and collet.
- The DRAW BAR's thread (d1) can make pull studs locked precisely and easily, including 45°, 60°, and 90°.
- Suitable for heavy-duty cutting.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- While ordering, other Power Good Nuts could be purchased separately for combination.

MODEL NO.	TYPE - l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 42001	DAT30 x EOC25 - 80	127.8	60	32.9	M12 x 1.75P	1.50
SYIC - 42011	DAT40 x EOC25 - 80	148.4	60	32.9	M16 x 2.0P	1.85
SYIC - 42012	DAT40 x EOC25 - 100	168.4				2.30
SYIC - 42013	DAT40 x EOC25 - 120	188.4				2.55
SYIC - 42015	DAT40 x EOC32 - 90	158.4	72	41.3	M20 x 2.0P	1.95
SYIC - 42017	DAT40 x EOC32 - 120	188.4				2.35
SYIC - 42021	DAT50 x EOC25 - 70	171.75	60	32.9	M16 x 2.0P	3.25
SYIC - 42023	DAT50 x EOC25 - 140	241.75				5.10
SYIC - 42025	DAT50 x EOC32 - 80	181.75				4.40
SYIC - 42027	DAT50 x EOC32 - 140	241.75	72	41.3	M24 x 2.0P	5.70

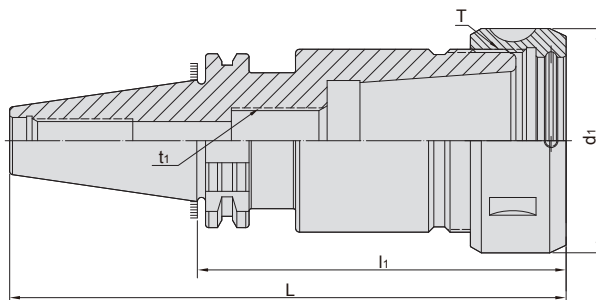
Standard Accessory: • STANDARD NUT

Option

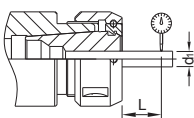
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P236	P244	P250	P224	P275

SYIC-42100

DAT / TG 立銑刀夾頭



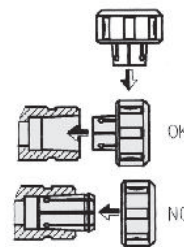
d ₁ TEST BAR DIAMETER		L	ROUND CONCENTRICITY
MIN.	MAX.		
3	6	16	0.01
6	10	25	
10	18	40	0.01
18	24	50	
24	32	60	



★ Every collet shipped out of the factory has been passed inspection.

★ Standard testing table is in accordance with the cutting length and precise requirements of various sizes of END MILLS.

- Collet taper is 4.1751°, good concentricity and clamping capacity.
- Suitable for heavy-duty cutting.
- Particular square thread design, with good clamping capacity.
- The price includes a nut, but without any spanner and collets.
- While ordering, other Power Good Nuts could be purchased separately for combination.
- The pre-balance can reach G6.3 10,000 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 ₁	d ₁	t ₁	T	WEIGHT (KGS)
SYIC - 42101	DAT30 x TG75 - 70	117.8	70	50	M16 x 2.0P	TW 1-1/2" - 12	1.1
SYIC - 42107	DAT30 x TG100 - 80	127.8	80	60	M12 x 1.75P	TW 1-7/8" - 12	1.2
SYIC - 42120	DAT40 x TG100 - 80	148.4	80	60	M16 x 2.0P	TW 1-7/8" - 12	1.2
SYIC - 42123	DAT40 x TG100 - 100	168.4	100				1.3
SYIC - 42126	DAT40 x TG100 - 120	188.4	120				2.4
SYIC - 42129	DAT40 x TG150 - 105	173.4	105	82	M24 x 2.0P	TW 2-5/8" - 12	2.7
SYIC - 42132	DAT40 x TG150 - 120	188.4	120				2.9
SYIC - 42135	DAT40 x TG150 - 135	203.4	135				3.2
SYIC - 42158	DAT50 x TG100 - 70	171.75	70	60	M24 x 2.0P	TW 1-7/8" - 12	3.4
SYIC - 42161	DAT50 x TG100 - 100	201.75	100				4.4
SYIC - 42164	DAT50 x TG100 - 120	221.75	120				5.1
SYIC - 42167	DAT50 x TG150 - 100	201.75	100	82	M24 x 2.0P	TW 2-5/8" - 12	5.7
SYIC - 42170	DAT50 x TG150 - 120	221.75	120				6.1
SYIC - 42173	DAT50 x TG150 - 150	251.75	150				6.5

Standard Accessory: • NUT • PRESET SCREW

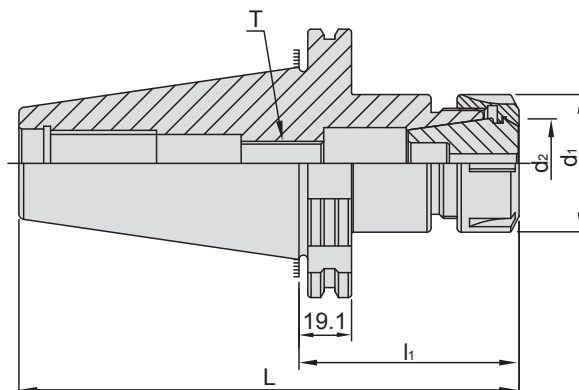
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P238	P245	P250	P224	P275

SYIC-42200

DAT / ER 立銑刀夾頭

DIN ISO 15488



- Thread with precise grinding.
- ER16, ER20 has a hexagon nut as attachment.
- Can purchase extra KM/RD powerful nut. Body is compatible.
- The pre-balance can reach G6.3 10,000 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 ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42201	DAT30 x ER11A - 80	127.8	19	11	M6 x 1.0P	0.5 ~ 7.0	0.60
SYIC - 42203	DAT30 x ER16A - 63	110.8	28	16	M10 x 1.5P	0.5 ~ 10	0.70
SYIC - 42205	DAT30 x ER16A - 120	167.8					0.85
SYIC - 42207	DAT30 x ER20A - 63	110.8	34	20	M12 x 1.75P	1.0 ~ 13	0.80
SYIC - 42209	DAT30 x ER20A - 120	167.8					1.05
SYIC - 42211	DAT30 x ER25 - 63	110.8	42	25	M16 x 2.0P	1.0 ~ 16	0.85
SYIC - 42213	DAT30 x ER32 - 63	110.8	50	32		2.0 ~ 20	0.90

Standard Accessory: ● STANDARD NUT

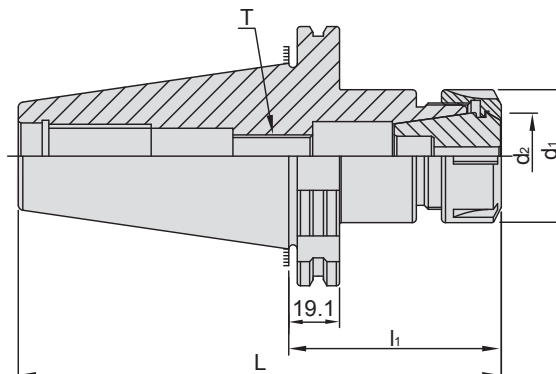
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P224	P275

SYIC-42200

DAT / ER 立銑刀夾頭

DIN ISO 15488



- Can clamp straight cutters and tools.
- ER16, ER20 has a hexagon nut as attachment.
- ER25, ER32, ER40, ER50 has a UM/RD standard nut as attachment.

- Can purchase extra KM/RD powerful nut. Body is compatible.
- The pre-balance can reach G6.3 10,000 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 ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42221	DAT40 x ER11A - 80	148.4	19	11	M6 x 1.0P	0.5 ~ 7.0	1.05
SYIC - 42223	DAT40 x ER11A - 125	193.4					1.15
SYIC - 42225	DAT40 x ER16A - 70	138.4	28	16	M10 x 1.5P	0.5 ~ 10	1.30
SYIC - 42227	DAT40 x ER16A - 100	168.4					1.40
SYIC - 42229	DAT40 x ER16A - 125	193.4					1.60
SYIC - 42231	DAT40 x ER16A - 150	218.4					1.65
SYIC - 42233	DAT40 x ER16A - 180	248.4					1.85
SYIC - 42235	DAT40 x ER20A - 70	138.4	34	20	M12 x 1.75P	1.0 ~ 13	1.40
SYIC - 42237	DAT40 x ER20A - 100	168.4					1.50
SYIC - 42239	DAT40 x ER20A - 135	203.4					1.95
SYIC - 42241	DAT40 x ER20A - 160	228.4					2.20
SYIC - 42243	DAT40 x ER25 - 70	138.4	42	25	M16 x 2.0P	1.0 ~ 16	1.60
SYIC - 42245	DAT40 x ER25 - 100	168.4					1.85
SYIC - 42247	DAT40 x ER25 - 150	218.4					2.25
SYIC - 42249	DAT40 x ER25 - 180	248.4					2.45
SYIC - 42251	DAT40 x ER25 - 200	268.4					2.55
SYIC - 42253	DAT40 x ER32 - 70	138.4	50	32	M16 x 2.0P	2.0 ~ 20	1.60
SYIC - 42255	DAT40 x ER32 - 100	168.4					2.00
SYIC - 42257	DAT40 x ER32 - 135	203.4					2.15
SYIC - 42259	DAT40 x ER32 - 150	218.4					2.65
SYIC - 42261	DAT40 x ER40 - 70	138.4					1.50
SYIC - 42263	DAT40 x ER40 - 100	168.4	63	40	M20 x 2.0P	3.0 ~ 26	2.00
SYIC - 42265	DAT40 x ER40 - 135	218.4					2.30
SYIC - 42269	DAT40 x ER50 - 100	168.4	78	50	M24 x 2.0P	5.0 ~ 34	1.70

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P224	P275

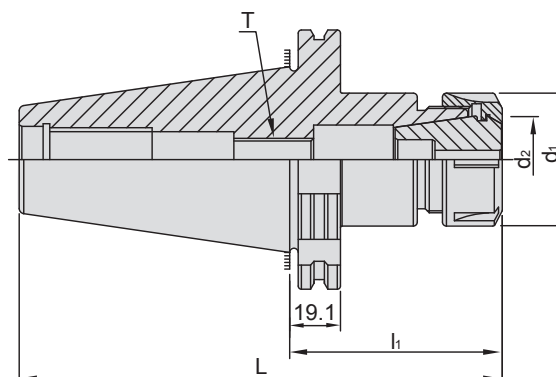
SYIC-42200

DAT / ER 立銑刀夾頭

DIN ISO 15488



- Can clamp straight cutters and tools.
- ER16, ER20 has a hexagon nut as attachment.
- ER25, ER32, ER40, ER50 has a UM/RD standard nut as attachment.



- Can purchase extra KM/RD powerful nut. Body is compatible.
- The pre-balance can reach G6.3 10,000 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 ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42281	DAT50 x ER16A - 100	201.75	28	16	M10 x 1.5P	0.5 ~ 10	3.20
SYIC - 42283	DAT50 x ER16A - 135	236.75					4.30
SYIC - 42285	DAT50 x ER16A - 160	261.75					4.50
SYIC - 42287	DAT50 x ER16A - 180	281.75					4.80
SYIC - 42291	DAT50 x ER20A - 100	201.75	34	20	M12 x 1.75P	1.0 ~ 13	3.40
SYIC - 42293	DAT50 x ER20A - 135	236.75					3.60
SYIC - 42295	DAT50 x ER20A - 160	261.75					3.80
SYIC - 42301	DAT50 x ER25 - 70	171.75	42	25	M16 x 2.0P	1.0 ~ 16	3.40
SYIC - 42303	DAT50 x ER25 - 100	201.75					4.15
SYIC - 42305	DAT50 x ER25 - 150	251.75					4.50
SYIC - 42307	DAT50 x ER25 - 200	301.75					4.70
SYIC - 42311	DAT50 x ER32 - 80	181.75	50	32	M20 x 2.0P	2.0 ~ 20	3.60
SYIC - 42313	DAT50 x ER32 - 120	221.75					4.60
SYIC - 42315	DAT50 x ER32 - 160	261.75					4.75
SYIC - 42317	DAT50 x ER32 - 200	301.75					4.90
SYIC - 42321	DAT50 x ER40 - 80	181.75	63	40	M20 x 2.0P	3.0 ~ 26	3.65
SYIC - 42323	DAT50 x ER40 - 120	221.75					4.80
SYIC - 42325	DAT50 x ER40 - 160	261.75					5.20
SYIC - 42327	DAT50 x ER40 - 200	301.75					5.40
SYIC - 42331	DAT50 x ER50 - 80	181.75	78	50	M24 x 2.0P	5.0 ~ 34	4.85
SYIC - 42333	DAT50 x ER50 - 120	221.75					5.45
SYIC - 42335	DAT50 x ER50 - 160	261.75					5.55
SYIC - 42337	DAT50 x ER50 - 200	301.75					5.70

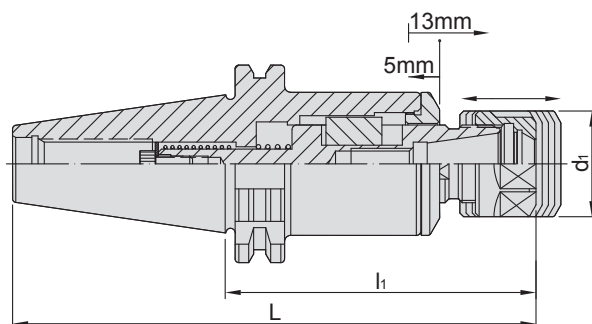
Standard Accessory: • STANDARD NUT

Option

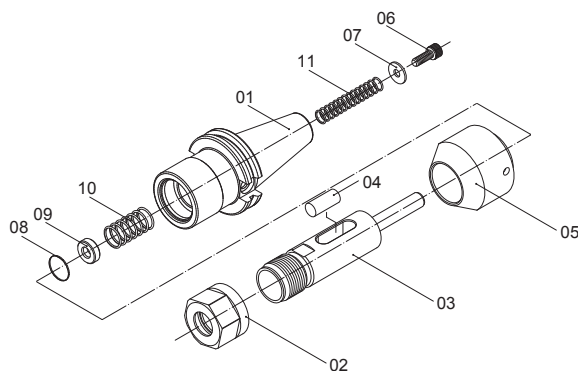
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P224	P275

SYIC-42350

DAT 伸縮 ER 攻牙器



NO.	NAME OF EACH PART	NO.	NAME OF EACH PART
01	Body	07	Washer
02	Nut	08	Medium spring
03	Arbor	09	Washer
04	Pin	10	Medium spring
05	Dust-proof bush	11	Medium spring
06	Screw		



MODEL NO.	TYPE	L	l ₁	d ₁	COLLET	CAPACITY	WEIGHT (KGS)
SYIC - 42362	DAT40 x ETP16A - 120	188.4	120	28	ER16	M3 - M10	1.65
SYIC - 42364	DAT40 x ETP16A - 150	218.4	150				1.85
SYIC - 42366	DAT40 x ETP20A - 100	168.4	100	34	ER20	M3 - M16	1.65
SYIC - 42368	DAT40 x ETP20A - 150	218.4	150				1.90
SYIC - 42370	DAT40 x ETP20M - 200	268.4	200	28	ER32	M3 - M27	2.15
SYIC - 42372	DAT40 x ETP32 - 120	188.4	120	50			2.10
SYIC - 42380	DAT50 x ETP16A - 120	221.75	120	28	ER16	M3 - M10	4.30
SYIC - 42382	DAT50 x ETP16A - 150	251.75	150				4.50
SYIC - 42384	DAT50 x ETP20A - 100	201.75	100	34	ER20	M3 - M16	4.30
SYIC - 42386	DAT50 x ETP20A - 150	251.75	150				4.60
SYIC - 42388	DAT50 x ETP20M - 200	301.75	200	28	ER32	M3 - M27	4.70
SYIC - 42390	DAT50 x ETP32 - 120	221.75	120	50			4.65

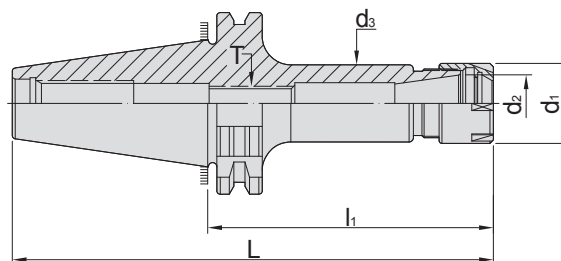
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P230	P241	P249	P224	P275

SYIC-42400

M 型 DAT / ER 立銑刀夾頭



- The pre-balance can reach G6.3 10,000 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 ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42406	DAT30 x ER11M - 70	117.8	16	11	15	M6 x 1.0P	0.5 ~ 7.0	0.50
SYIC - 42407	DAT30 x ER11M - 100	147.8						0.60
SYIC - 42409	DAT30 x ER11M - 120	167.8						0.70
SYIC - 42411	DAT30 x ER16M - 70	117.8	22	16	21	M10 x 1.5P	0.5 ~ 10.0	0.55
SYIC - 42413	DAT30 x ER16M - 100	147.8						0.65
SYIC - 42415	DAT30 x ER16M - 120	167.8						0.75
SYIC - 42417	DAT30 x ER20M - 100	147.8	28	20	27	M12 x 1.75P	1.0 ~ 13.0	0.70
SYIC - 42419	DAT30 x ER20M - 120	167.8						0.80
SYIC - 42421	DAT30 x ER20M - 150	197.8						1.00
SYIC - 42425	DAT40 x ER11M - 70	138.4	16	11	15	M6 x 1.0P	0.5 ~ 7.0	1.10
SYIC - 42427	DAT40 x ER11M - 100	168.4						1.20
SYIC - 42429	DAT40 x ER11M - 125	193.4						1.40
SYIC - 42431	DAT40 x ER11M - 150	218.4						1.50
SYIC - 42433	DAT40 x ER16M - 70	138.4	22	16	21	M10 x 1.5P	0.5 ~ 10.0	1.20
SYIC - 42435	DAT40 x ER16M - 100	168.4						1.30
SYIC - 42437	DAT40 x ER16M - 125	193.4						1.50
SYIC - 42439	DAT40 x ER16M - 150	218.4						1.60
SYIC - 42441	DAT40 x ER20M - 70	138.4	28	20	27	M12 x 1.75P	1.0 ~ 13.0	1.20
SYIC - 42443	DAT40 x ER20M - 100	168.4						1.55
SYIC - 42445	DAT40 x ER20M - 125	193.4						1.70
SYIC - 42447	DAT40 x ER20M - 150	218.4						1.80

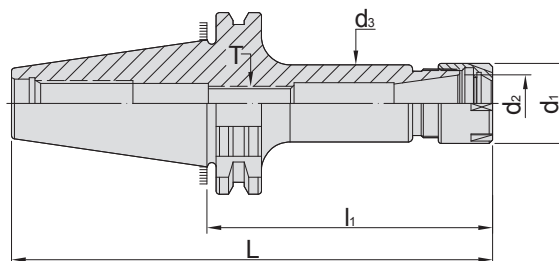
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P224	P275

SYIC-42400

M 型 DAT / ER 立銑刀夾頭



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

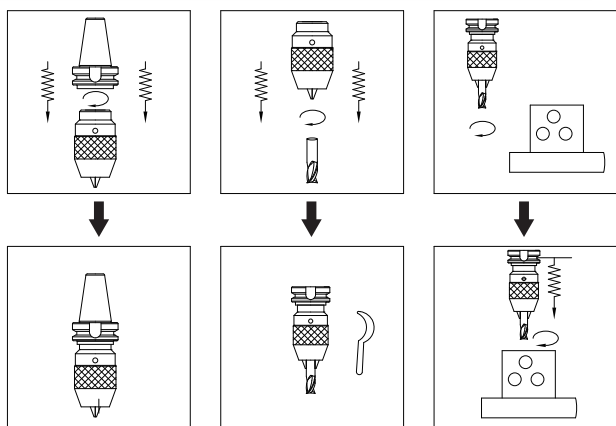
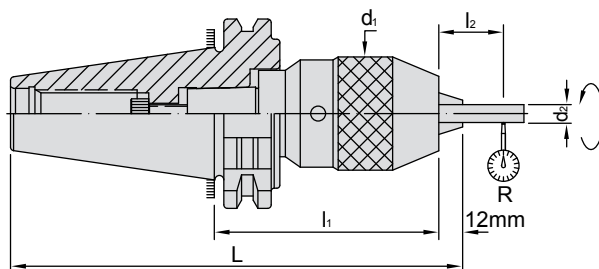
MODEL NO.	TYPE - l ₁	L	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42451	DAT50 x ER11M - 70	171.75	16	11	15	M6 x 1.0P	0.5 ~ 7.0	3.8
SYIC - 42453	DAT50 x ER11M - 90	191.75						3.9
SYIC - 42455	DAT50 x ER11M - 105	206.75						4.0
SYIC - 42457	DAT50 x ER11M - 135	236.75						4.1
SYIC - 42459	DAT50 x ER11M - 165	266.75						4.2
SYIC - 42461	DAT50 x ER16M - 70	171.75	22	16	21	M10 x 1.5P	0.5 ~ 10.0	3.9
SYIC - 42463	DAT50 x ER16M - 90	191.75						4.0
SYIC - 42465	DAT50 x ER16M - 105	206.75						4.1
SYIC - 42467	DAT50 x ER16M - 135	236.75						4.2
SYIC - 42469	DAT50 x ER16M - 165	266.75						4.3
SYIC - 42471	DAT50 x ER20M - 90	191.75	28	20	27	M12 x 1.75P	1.0 ~ 13.0	4.1
SYIC - 42473	DAT50 x ER20M - 105	206.75						4.2
SYIC - 42475	DAT50 x ER20M - 135	236.75						4.4
SYIC - 42477	DAT50 x ER20M - 165	266.75						4.6

Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P249	P224	P275

SYIC-42480

DAT / SPU 直結式鑽夾頭



- Avoid chuck falling off.
- ⊙ Inside with tightening design for thread.

- Can be used for heavy-duty cutting & high-speed cutting.
- ⊙ Drill never loosening or falling off.

- It also can process for higher work-piece.
- ⊙ Additional use range of machine.

This product is added with multi safety design and suitable for Machine Center. In automatic operation controlled by computer and unmanned management process, it can be processed safely and smoothly.

- The pre-balance can reach G6.3 8,000 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	R	WEIGHT (KGS)
SYIC - 42480	DAT30 x SPU8 - 80	80	136.8	55	37	6	0.04	0.60
SYIC - 42482	DAT30 x SPU13 - 120	120	179.8	75	50	13		1.45
SYIC - 42483	DAT30 x SPU16 - 120				57	16		1.78
SYIC - 42485	DAT40 x SPU8 - 75	75	152.4	55	37	6		1.45
SYIC - 42487	DAT40 x SPU13 - 100	100	180.4	75	50	13		2.00
SYIC - 42488	DAT40 x SPU16 - 115	115	195.4	80	57	16		2.40
SYIC - 42489	DAT50 x SPU8 - 75	75	185.75	55	37	6		3.86
SYIC - 42495	DAT50 x SPU13 - 100	100	213.75	75	50	13		4.40
SYIC - 42496	DAT50 x SPU16 - 105	105	218.75	80	57	16		4.73

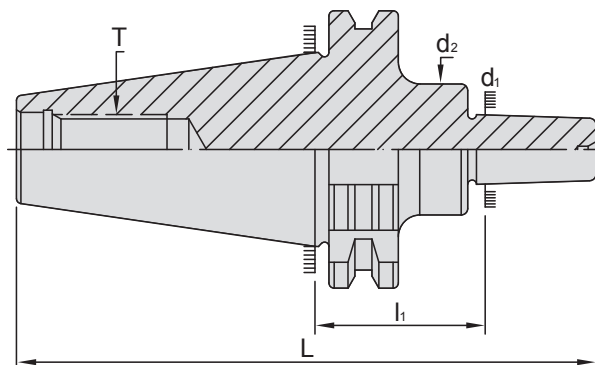
Standard Accessory: • SPANNER

Option

SPANNER	PULL STUDS
	
P250	P224

SYIC-42600

DAT 鑽夾頭刀柄



- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For Drill Chuck with DIN 238.
- Superior accuracy.
- Low cost.

MODEL NO.	TYPE - l ₁	L	d ₁	d ₂ MAX.	T	WEIGHT (KGS)
SYIC - 42605	DAT30 x JTA6 - 40	111.8	17.17	45	M12 x 1.75P	0.90
SYIC - 42617	DAT40 x JTA6 - 40	132.4		50	M16 x 2.0P	1.30
SYIC - 42627	DAT50 x JTA6 - 40	165.75		80	M24 x 3.0P	3.40
SYIC - 42601	DAT30 x B12 - 40	106.3	12.065	45	M12 x 1.75P	0.70
SYIC - 42603	DAT30 x B16 - 40	111.8	15.733			0.85
SYIC - 42611	DAT40 x B12 - 40	126.9	12.065			1.25
SYIC - 42613	DAT40 x B16 - 40	132.4	15.733	50	M16 x 2.0P	1.30
SYIC - 42615	DAT40 x B18 - 40	140.4	17.78			1.40
SYIC - 42621	DAT50 x B12 - 40	160.25	12.065	80	M24 x 3.0P	3.10
SYIC - 42623	DAT50 x B16 - 40	165.75	15.733			3.20
SYIC - 42625	DAT50 x B18 - 40	173.75	17.78			3.30

Option

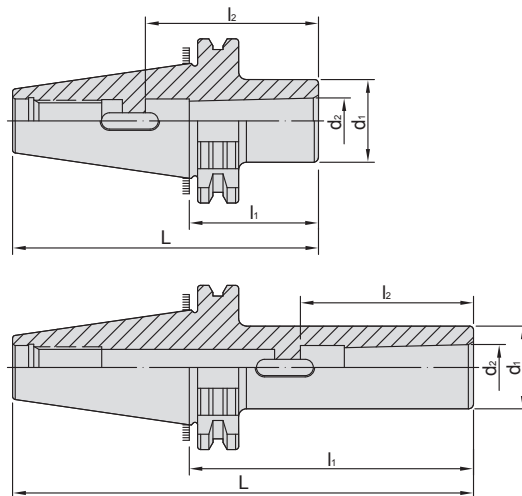
PULL STUDS

P224



SYIC-42650

DAT 斜柄鑽頭套筒

DIN 228 - 2
DIN 6383


- High accurate working process. Even though using prolonged drill, the concentricity is still within 0.015mm.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	WEIGHT (KGS)
SYIC - 42651	DAT30 x MTA1 - 50	97.8	56	25	12.065	0.55
SYIC - 42653	DAT30 x MTA2 - 60	117.8	67	32	17.78	0.80
SYIC - 42655	DAT30 x MTA3 - 75	122.8	84	40	23.825	1.00
SYIC - 42661	DAT40 x MTA1 - 50	118.4	56	25	12.065	1.20
SYIC - 42663	DAT40 x MTA2 - 50	118.4	67	32	17.78	1.00
SYIC - 42665	DAT40 x MTA3 - 70	138.4	84	40	23.825	1.10
SYIC - 42667	DAT40 x MTA4 - 95	163.4	107	48	31.267	1.35
SYIC - 42671	DAT50 x MTA1 - 45	146.75	56	25	12.065	3.00
SYIC - 42673	DAT50 x MTA2 - 60	161.75	67	32	17.78	3.10
SYIC - 42675	DAT50 x MTA3 - 65	166.75	84	40	23.825	3.20
SYIC - 42677	DAT50 x MTA4 - 95	196.75	107	48	31.267	3.40
SYIC - 42679	DAT50 x MTA5 - 105	206.75	133	63	44.399	3.60

Option

PULL STUDS



P224

SYIC-42700

DAT 平面銑刀柄

DIN 6357 - B



- d1 tolerance: h6.
- Tolerance of 7/24 taper AT3.
- The pre-balance can reach G6.3 3,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

Fig.1

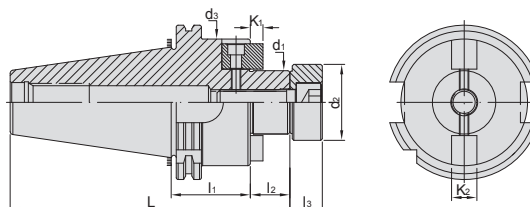


Fig.2

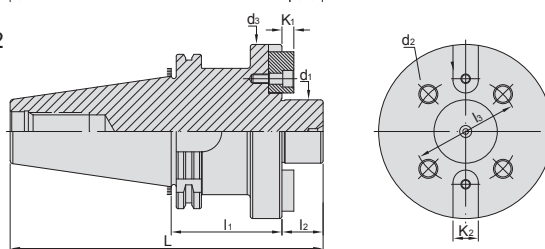
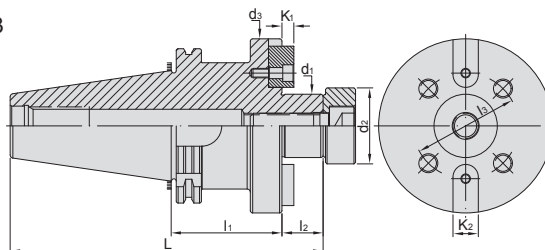


Fig.3



MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	K ₁	K ₂	Fig	WEIGHT (KGS)
SYIC - 42701	DAT30 x FMB22 - 35	101.8	19	14	26	45	4.8	10	1	1.00
SYIC - 42703	DAT30 x FMB27 - 55	122.8	20	16	31.5	58	5.8	12		1.05
SYIC - 42711	DAT40 x FMB22 - 35	122.4	19	14	26	48	4.8	10		1.20
SYIC - 42713	DAT40 x FMB27 - 60	148.4	20	16	31.5	58	5.8	12		1.80
SYIC - 42715	DAT40 x FMB32 - 60	150.4	22	16	41	66	6.8	14		2.30
SYIC - 42717	DAT40 x FMB40 - 60	153.4	25	20.5	48	80	8.3	16		2.80
SYIC - 42721	DAT50 x FMB22 - 35	155.75	19	14	26	48	4.8	10		3.40
SYIC - 42723	DAT50 x FMB27 - 35	156.75	20	16	31.5	58	5.8	12		3.50
SYIC - 42725	DAT50 x FMB32 - 35	158.75	22	16	41	66	6.8	14		3.70
SYIC - 42727	DAT50 x FMB40 - 50	189.75	25	20.5	48	80	8.3	16		4.70
SYIC - 42729	DAT50 x FMB50 - 60	191.75	30	25	68	95	9.7	19	2	5.80
SYIC - 42761	DAT40 x FMB40F - 60	158.4	30	66.7	M12	89	8.3	15.9		2.90
SYIC - 42763	DAT50 x FMB40F - 70	201.75	30	66.7	M12	89	8.3	15.9		5.50
SYIC - 42765	DAT50 x FMB60F - 70	211.75	40	101.6	M16	129	12.5	25.4	3	5.70
SYIC - 42771	DAT40 x FS40 - 60	154.4	26	66.7	50	110	8.3	16		3.20
SYIC - 42773	DAT50 x FS40 - 70	197.75	26	66.7	50	110	8.3	16		5.70
SYIC - 42775	DAT50 x FS60 - 70	196.75	25	101.6	M16	140	12.5	25.4	2	5.50

Option

PULL STUDS

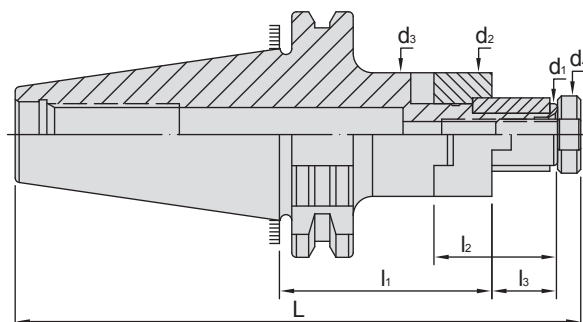


P224

SYIC-42800

DAT 聯結式 銑刀柄

DIN 6358 - B



- Shank includes removable ring, nut and spanner.
- Can purchase removable ring, nut, and spanner separately.
- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃ MAX.	d ₄	WEIGHT (KGS)
SYIC - 42800	DAT30 x CSR16 - 50	120.8	27	17	32	45	20	1.4
SYIC - 42801	DAT30 x CSR22 - 50	123.8	31	19	40		28	1.6
SYIC - 42803	DAT30 x CSR27 - 55	131.8	33	21	48		35	1.8
SYIC - 42810	DAT40 x CSR16 - 55	146.4	27	17	32	50	20	2.2
SYIC - 42811	DAT40 x CSR22 - 55	149.4	31	19	40		28	2.4
SYIC - 42813	DAT40 x CSR27 - 55	152.4	33	21	48		35	2.6
SYIC - 42815	DAT40 x CSR32 - 60	161.4	38	24	58		42	2.8
SYIC - 42817	DAT40 x CSR40 - 60	165.4	41	27	70	80	52	3.0
SYIC - 42820	DAT50 x CSR16 - 55	179.75	27	17	32		20	4.4
SYIC - 42821	DAT50 x CSR22 - 55	182.75	31	19	40		28	4.6
SYIC - 42823	DAT50 x CSR27 - 55	185.75	33	21	48		35	4.8
SYIC - 42825	DAT50 x CSR32 - 55	189.75	38	24	58		42	5.0
SYIC - 42827	DAT50 x CSR40 - 55	193.75	41	27	70		52	5.2
SYIC - 42829	DAT50 x CSR50 - 70	213.75	46	30	90		63	5.4

Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Option

KEY	REMOVABLE RING	NUT	SPANNER	PULL STUDS
				
P247	P247	P247	P247	P224

SYIC-42900

DAT 側固式立銑刀柄

DIN 1835



Fig.1

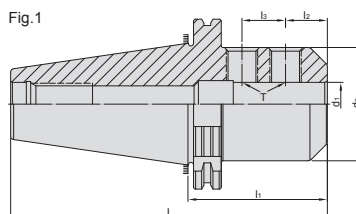
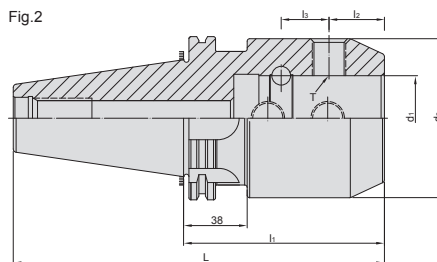


Fig.2



- Internal hole tolerance: H5.
- The pre-balance of shank diameter must conform to DIN-1835-B and its matched tool also needs to conform to this standard.

- Diameter permissible tolerance within h6~h7.
- The pre-balance can reach G6.3 8,000 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 - (d ₁ - l ₁)	L	l ₂	l ₃	d ₂	T	Fig	WEIGHT (KGS)
SYIC - 42901	DAT30 x SLN6 - 50	97.8	18	-	25	M6 x 1.0P	1	0.73
SYIC - 42902	DAT30 x SLN8 - 50	97.8			28	M8 x 1.25P		0.80
SYIC - 42903	DAT30 x SLN10 - 50	97.8			35	M10 x 1.5P		0.90
SYIC - 42904	DAT30 x SLN12 - 50	97.8			42	M12 x 1.75P		0.90
SYIC - 42905	DAT30 x SLN16 - 63	110.8	24		48	M14 x 2.0P		1.10
SYIC - 42911	DAT40 x SLN6 - 50	118.4	18		25	M6 x 1.0P		0.85
SYIC - 42913	DAT40 x SLN8 - 50	118.4	18		28	M8 x 1.25P		1.00
SYIC - 42915	DAT40 x SLN10 - 50	118.4	20		35	M10 x 1.5P		1.10
SYIC - 42917	DAT40 x SLN12 - 50	118.4	22.5		42	M12 x 1.75P		1.15
SYIC - 42919	DAT40 x SLN16 - 63	131.4	24		48	M14 x 2.0P		1.40
SYIC - 42921	DAT40 x SLN20 - 63	131.4	25		52	M16 x 2.0P		1.30
SYIC - 42923	DAT40 x SLN25 - 100	168.4	24	25	65	M18 x 2.0P		2.40
SYIC - 42925	DAT40 x SLN32 - 100	168.4		28	72	M20 x 2.0P		2.70
SYIC - 42931	DAT50 x SLN6 - 63	164.75	18	-	25	M6 x 1.0P		3.10
SYIC - 42933	DAT50 x SLN8 - 63	164.75			28	M8 x 1.25P		3.10
SYIC - 42935	DAT50 x SLN10 - 63	164.75			35	M10 x 1.5P		3.30
SYIC - 42937	DAT50 x SLN12 - 63	164.75			42	M12 x 1.75P		3.50
SYIC - 42939	DAT50 x SLN16 - 63	164.75	24		48	M14 x 2.0P		3.45
SYIC - 42941	DAT50 x SLN20 - 63	164.75	25		52	M16 x 2.0P		3.50
SYIC - 42943	DAT50 x SLN25 - 80	181.75	24	25	65	M18 x 2.0P		4.20
SYIC - 42945	DAT50 x SLN32 - 100	201.75			72	M20 x 2.0P		5.00
SYIC - 42947	DAT50 x SLN40 - 100	201.75	30	32	90	M20 x 2.0P		5.60
SYIC - 42949	DAT50 x SLN42 - 100	201.75				M20 x 2.0P		5.70
SYIC - 42951	DAT50 x SLN50 - 125	226.75	35	35	100	M24 x 2.0P		5.90
SYIC - 42952	DAT50 x SLN50.8 - 120	221.75	33.1	28.58	95	M20 x 2.0P	2	5.80
SYIC - 42953	DAT50 x SLN63 - 150	250.75	40	40	125	M20 x 2.0P	1	6.20
SYIC - 42955	DAT50 x SLN63 - 150	250.75		24	125	M16 x 2.0P		6.20

Option

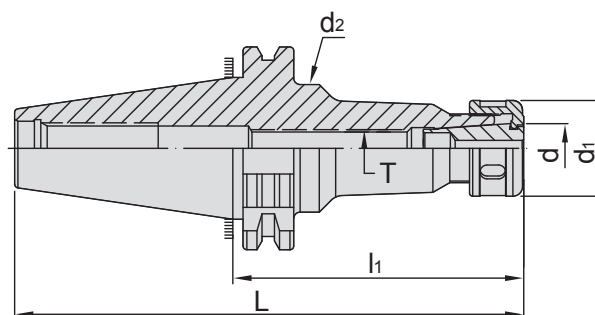
PULL STUDS



P224

SYIC-43000

DAT / SKS 高速機專用夾頭



- Best T.I.R: runout is within 5 μ (4D length).
- SKS Collet taper: 4°, increasing holding power, concentricity and rigidity.
- Every tool holder reaches revolution of G2.5 25,000 rpm, with 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 ₁	d ₂	T	WEIGHT (KGS)
SYIC - 43002	DAT30 x SKS6 - 45	92.8	9.964	18	18	M8 x 1.25P	0.6
SYIC - 43004	DAT30 x SKS6 - 60	107.8					0.7
SYIC - 43006	DAT30 x SKS10 - 45	92.8	14.981	30	40	M12 x 1.75P	0.8
SYIC - 43008	DAT30 x SKS10 - 60	107.8					0.9
SYIC - 43010	DAT40 x SKS6 - 90	158.4	9.964	18	32	M8 x 1.25P	0.6
SYIC - 43011	DAT40 x SKS6 - 120	188.4					0.7
SYIC - 43012	DAT40 x SKS10 - 90	158.4	14.981	30	40	M12 x 1.75P	1.2
SYIC - 43014	DAT40 x SKS10 - 120	188.4					1.4
SYIC - 43016	DAT40 x SKS16 - 90	158.4	23.939	40	40	M18 x 1.5P	1.3
SYIC - 43018	DAT40 x SKS16 - 120	188.4					1.5
SYIC - 43026	DAT40 x SKS25 - 90	158.4	35.029	55.1	49.85	M28 x 2.0P	1.3
SYIC - 43028	DAT40 x SKS25 - 120	188.4					1.5
SYIC - 43032	DAT50 x SKS6 - 105	206.75	9.964	18	32	M8 x 1.25P	4.2
SYIC - 43034	DAT50 x SKS6 - 165	266.75					4.6
SYIC - 43036	DAT50 x SKS10 - 105	206.75	14.981	30	40	M12 x 1.75P	4.2
SYIC - 43038	DAT50 x SKS10 - 165	266.75					4.6
SYIC - 43042	DAT50 x SKS16 - 105	206.75	23.939	40	52	M18 x 1.5P	4.3
SYIC - 43044	DAT50 x SKS16 - 165	266.75					4.7
SYIC - 43052	DAT50 x SKS25 - 105	206.75	35.029	55.1	55	M28 x 2.0P	5.0
SYIC - 43054	DAT50 x SKS25 - 165	266.75					5.3

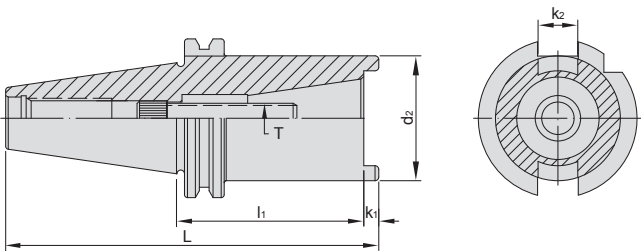
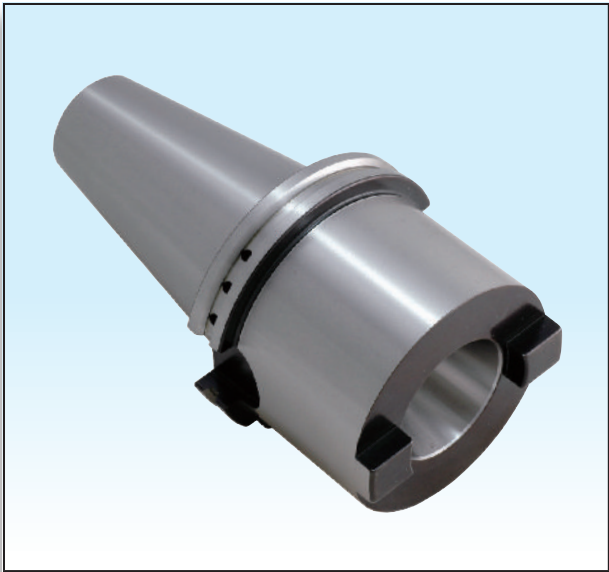
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
				
P240	P245	P250	P224	P275

SYIC-44000

DAT 套筒



MODEL NO.	TYPE - I ₁	L	d ₂	k ₁	k ₂	T	WEIGHT (KGS)
SYIC - 44010	DAT40 x TSA30M - 75	149.4	50	6	16	M12 x 1.75P	1.8
SYIC - 44012	DAT40 x TSA30U - 75					1/2" -12	1.8
SYIC - 44022	DAT50 x TSA30M - 75	182.75				M12 x 1.75P	5.0
SYIC - 44024	DAT50 x TSA30U - 75					1/2" -12	5.0
SYIC - 44026	DAT50 x TSA40M - 75	184.75	85	8		M16 x 2.0P	4.6
SYIC - 44028	DAT50 x TSA40U - 75					5/8" -11	4.6

Option

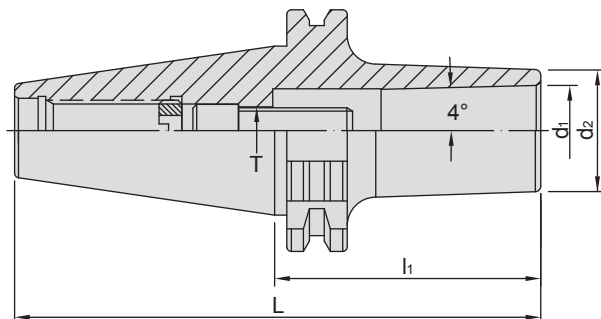
PULL STUDS



P224

SYIC-45350

DAT / SBL 後拉式立銑刀夾頭



- Every tool holder reaches the revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

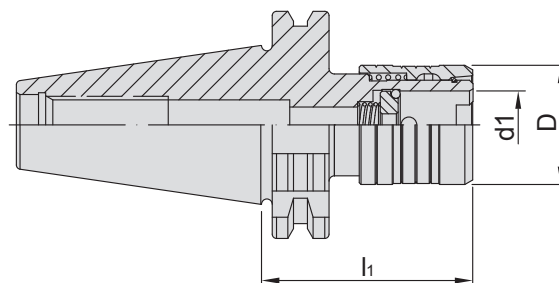
MODEL NO.	TYPE - l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 45352	DAT30 x SBL6 - 70	117.8	9.93	14	M6 x 1.0P	0.39
SYIC - 45354	DAT30 x SBL6 - 100	147.8				0.40
SYIC - 45356	DAT30 x SBL12 - 70	117.8	18	26	M10 x 1.5P	0.42
SYIC - 45358	DAT30 x SBL12 - 100	147.8				0.43
SYIC - 45362	DAT30 x SBL20 - 80	127.8	27	34	M12 x 1.75P	0.44
SYIC - 45364	DAT30 x SBL20 - 100	147.8				0.45
SYIC - 45368	DAT40 x SBL6 - 70	138.4	9.93	14	M6 x 1.0P	1.00
SYIC - 45370	DAT40 x SBL6 - 100	168.4				1.10
SYIC - 45372	DAT40 x SBL12 - 70	138.4	18	26	M10 x 1.5P	1.20
SYIC - 45374	DAT40 x SBL12 - 100	168.4				1.30
SYIC - 45376	DAT40 x SBL20 - 70	138.4	27	35	M12 x 1.75P	1.30
SYIC - 45378	DAT40 x SBL20 - 100	168.4				1.40
SYIC - 45380	DAT50 x SBL6 - 70	171.75	9.93	14	M6 x 1.0P	2.80
SYIC - 45382	DAT50 x SBL6 - 100	201.75				2.90
SYIC - 45384	DAT50 x SBL12 - 70	171.75	18	26	M10 x 1.5P	3.00
SYIC - 45386	DAT50 x SBL12 - 100	201.75				3.10
SYIC - 45388	DAT50 x SBL20 - 70	171.75	27	35	M12 x 1.75P	3.20
SYIC - 45390	DAT50 x SBL20 - 100	201.75				3.30

Option

COLLET	SPANNER	PULL STUDS
		
P237	P250	P224

SYIC-47710

快換式伸縮 / 扭力 攻牙夾頭

QUICK CHANGE
TAPPING COLLETQUICK CHANGE
RIGID TAP COLLET

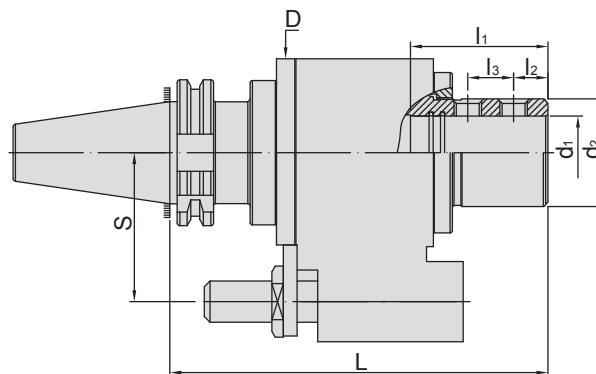
MODEL NO.	TYPE	TAPPING CAPACITY	LENGTH COMP.		l ₁	D	d ₁	WEIGHT (KGS)
			COMP	EXP				
SYIC - 47715	DAT40 x 312	M3 - M12	6	12	67	36	19	1.2
SYIC - 47716	DAT40 x 822	M8 - M22	12.5	12.5	125	53	31	1.8
SYIC - 47717	DAT40 x 1636	M16 - M36	20	20	152	78	48	3.8
SYIC - 47721	DAT50 x 312	M3 - M12	6	12	78	36	19	3.8
SYIC - 47722	DAT50 x 822	M8 - M22	12.5	12.5	136	53	31	4.6
SYIC - 47723	DAT50 x 1636	M16 - M36	20	20	157	78	48	5.9

Option

TAPPING COLLET	RIGID TAP COLLET	PULL STUDS
P259	P259	P224

SYIC-48000

DAT / OSL 側固式油路刀把



- Please confirm the "S" size when ordering.
- Please confirm the machining centers have high pressure pump.
- Water pressure up to 7 kgf/cm².
- Max. revolution: 3000 rpm.

- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.
- The water pressure for Oil Hole Holder can be raised according to customer's request. Additional charges will be needed.

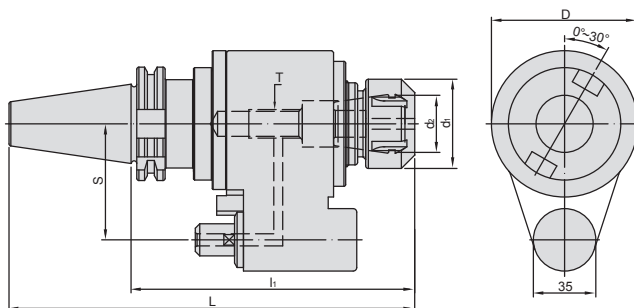
MODEL NO.	TYPE (d ₁ - L)	d ₂	l ₁	l ₂	l ₃	S	T	WEIGHT (KGS)		
SYIC - 48001	DAT40 x OSL16 - 165	46.5	48	25	-	65	M12 x 1.75P	3.5		
SYIC - 48003	DAT40 x OSL20 - 165		50					3.5		
SYIC - 48005	DAT40 x OSL25 - 165		47	56			15	20	M16 x 2.0P	3.5
SYIC - 48007	DAT40 x OSL32 - 165	60		3.5						
SYIC - 48002	DAT40 x OSL16 - 165S	48	48	25	-	60	M12 x 1.75P	3.5		
SYIC - 48004	DAT40 x OSL20 - 165S		50					3.5		
SYIC - 48006	DAT40 x OSL25 - 165S		49.5	56				15	20	3.5
SYIC - 48008	DAT40 x OSL32 - 165S	60		3.8						
SYIC - 48009	DAT50 x OSL16 - 165	56	48	25	-	80	M14 x 2.0P	7.0		
SYIC - 48011	DAT50 x OSL20 - 165		50					7.5		
SYIC - 48013	DAT50 x OSL25 - 165		60	56			15	20	M16 x 2.0P	7.5
SYIC - 48015	DAT50 x OSL32 - 165			60						7.8
SYIC - 48017	DAT50 x OSL40 - 170	58	62	25	-	82	M14 x 2.0P	8.5		
SYIC - 48019	DAT50 x OSL16 - 165M		48				M12 x 1.75P	7.1		
SYIC - 48021	DAT50 x OSL20 - 165M		50					7.6		
SYIC - 48023	DAT50 x OSL25 - 165M		56	56			15	20	M16 x 2.0P	7.7
SYIC - 48025	DAT50 x OSL32 - 165M	60		7.8						
SYIC - 48027	DAT50 x OSL40 - 170M	56	62	25	-	85	M14 x 2.0P	8.5		
SYIC - 48029	DAT50 x OSL16 - 165L	58	48				25	-	M12 x 1.75P	7.2
SYIC - 48031	DAT50 x OSL20 - 165L		50							7.8
SYIC - 48033	DAT50 x OSL25 - 165L		60				15		20	M16 x 2.0P
SYIC - 48035	DAT50 x OSL32 - 165L			60	8.0					
SYIC - 48037	DAT50 x OSL40 - 170L	56	62	25		M14 x 2.0P	8.7			

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUDS
P261	P261	P224

SYIC-48200

DAT / OHER 油路刀把



- First, bolt the coolant screw with the fixed block of machine.
- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂ ER	S	T	WEIGHT (KGS)
SYIC - 48202	DAT40 x OHER16 - 160	225.4	160	82	28	16	65	M10	3.8
SYIC - 48204	DAT40 x OHER20 - 160				34	20		M12	4.1
SYIC - 48206	DAT40 x OHER25 - 160				42	25		M16	4.3
SYIC - 48208	DAT40 x OHER32 - 160				50	32			4.5
SYIC - 48210	DAT50 x OHER16 - 160	261.8		98	80	28	16	M10	7.0
SYIC - 48212	DAT50 x OHER20 - 160					34	20	M12	7.1
SYIC - 48214	DAT50 x OHER25 - 160					42	25	M16	7.2
SYIC - 48216	DAT50 x OHER32 - 160					50	32		7.3
SYIC - 48218	DAT50 x OHER40 - 160					63	40	M20	7.5

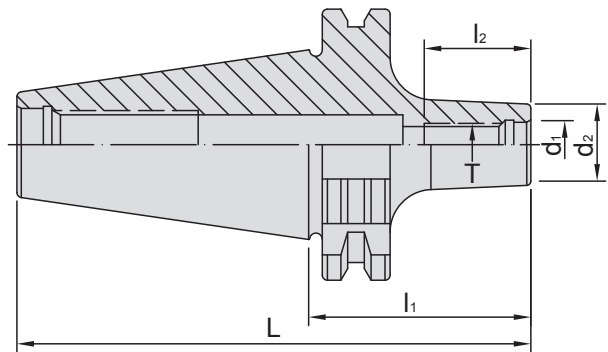
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUDS	PRESET SCREW
P225	P241	P249	P261	P224	P275

SYIC-49200

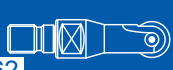
DAT / SOM 螺紋鎖固式刀桿



- For center coolant (DIN 69871-AD).
- Every tool holder reaches the revolution of G6.3 10,000 rpm, with 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	T	WEIGHT (KGS)
SYIC - 49200	DAT30 x SOM6 - 60	107.8	25	6.5	10	M6 x 1.0P	0.40
SYIC - 49202	DAT30 x SOM8 - 60	107.8	25	8.5	13	M8 x 1.25P	0.40
SYIC - 49204	DAT30 x SOM10 - 60	107.8	25	10.5	19	M10 x 1.5P	0.40
SYIC - 49206	DAT30 x SOM12 - 70	117.8	31	12.5	21	M12 x 1.75P	0.42
SYIC - 49208	DAT30 x SOM16 - 80	127.8	31	17	29	M16 x 2.0P	0.42
SYIC - 49220	DAT40 x SOM6 - 60	128.4	25	6.5	10	M6 x 1.0P	1.00
SYIC - 49222	DAT40 x SOM8 - 60	128.4	25	8.5	13	M8 x 1.25P	1.00
SYIC - 49224	DAT40 x SOM10 - 60	128.4	25	10.5	19	M10 x 1.5P	1.10
SYIC - 49226	DAT40 x SOM12 - 70	138.4	31	12.5	21	M12 x 1.75P	1.10
SYIC - 49228	DAT40 x SOM16 - 80	148.4	31	17	29	M16 x 2.0P	1.20
SYIC - 49240	DAT50 x SOM6 - 60	161.75	25	6.5	10	M6 x 1.0P	2.90
SYIC - 49242	DAT50 x SOM8 - 60	161.75	25	8.5	13	M8 x 1.25P	2.90
SYIC - 49244	DAT50 x SOM10 - 60	161.75	25	10.5	19	M10 x 1.5P	3.00
SYIC - 49246	DAT50 x SOM12 - 70	171.75	31	12.5	21	M12 x 1.75P	3.00
SYIC - 49248	DAT50 x SOM16 - 80	181.75	31	17	29	M16 x 2.0P	3.00

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUDS
				
P262	P262	P263	P263	P224

[illegible]

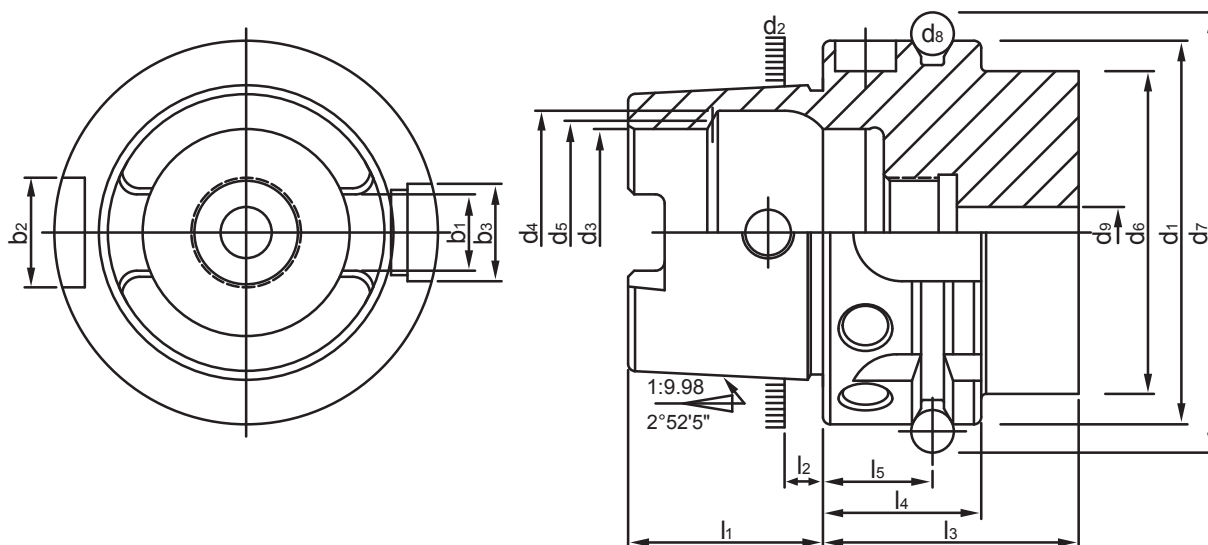


DIN 69893

HSK TOOL HOLDER SYSTEM

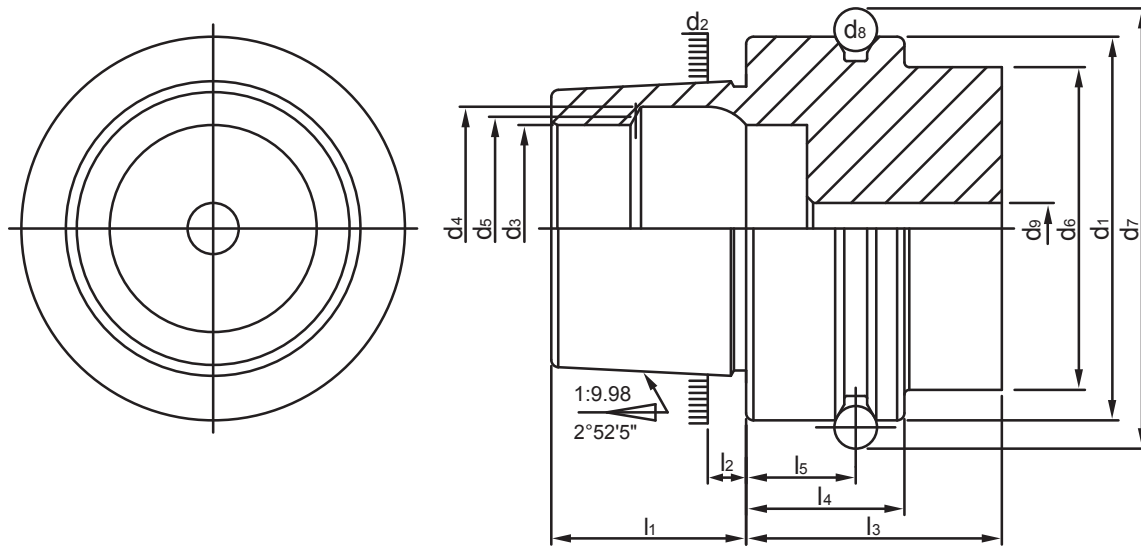
31000	HSK / EOC COLLET CHUCK FOR TYPE A	105
31400	HSK / ER COLLET CHUCK FOR TYPE A	106,107
31400-E	HSK / ER COLLET CHUCK FOR TYPE E	108
31400-F	HSK / ER COLLET CHUCK FOR TYPE F	109,110
32390	HSK FACE MILL ARBOR FOR TYPE A	111
32600	HSK / COMBI SHELL END MILL ARBOR FOR TYPE A	112
32800	HSK SIDE LOCK END MILL HOLDER FOR TYPE A	113-115
34900	HSK / SPU DRILL CHUCK ADAPTER FOR TYPE A	116
35100	HSK MORSE TAPER ADAPTER FOR TYPE A	117
35200T	HSK / MLT MULTI - LOCK MILLING CHUCK	118
35300	HSK / MLD MULTI - LOCK MILLING CHUCK	119
35450	HSK / SBL SLIM-FIT COLLET CHUCK FOR TYPE A	120
35500	HSK / SKS COLLET CHUCK FOR TYPE A	121
39200	HSK / SOM SCREWED END MILL HOLDER FOR TYPE A	122



DIN 69893 A

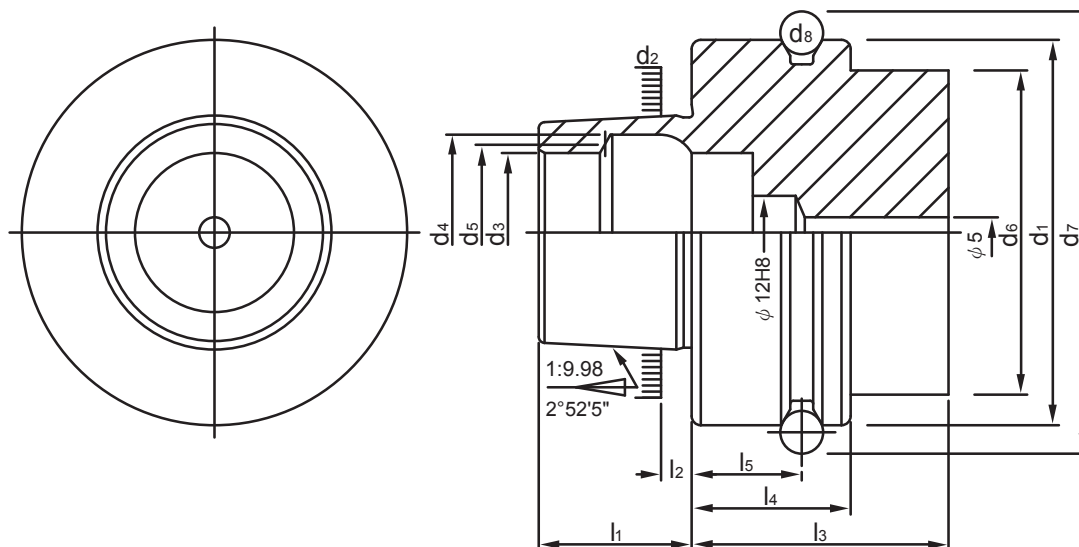
TYPE	d ₁ h10	d ₂	d ₃ H10	d ₄ H11	d ₅	d ₆ max.	d ₇ 0 -0.1	d ₈	d ₉	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1	b ₁ ±0.04	b ₂ H10	b ₃ H10
HSK32	32	24.007	17	20.5	19	26	37	4	4.2	16	3.2	35	20	16	7.05	7	9
HSK40	40	30.007	21	25.5	23	34	45	4	5	20	4	35	20	16	8.05	9	11
HSK50	50	38.009	26	32	29	42	59.3	7	6.8	25	5	42	26	18	10.54	12	14
HSK63	63	48.010	34	40	37	53	72.3	7	8.4	32	6.3	42	26	18	12.54	16	18
HSK100	100	75.013	53	63	58	88	109.75	7	12	50	10	45	29	20	20.02	20	22

1. Taper tolerance < AT3
2. Basic material: JIS-SNCM220
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μm
5. Surface roughness: Ra < 0.25 μm
6. The shank is pre-balanced at G6.3 and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard: DIN 69893-1

DIN 69893 E

TYPE	d ₁ h10	d ₂	d ₃ H10	d ₄ H11	d ₅	d ₆ max.	d ₇ 0 -0.1	d ₈	d ₉	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1
HSK40	40	30.007	21	25.5	23	34	45	4	5	20	4	35	20	16
HSK50	50	38.009	26	32	29	42	59.3	7	6.8	25	5	42	26	18
HSK63	63	48.010	34	40	37	53	72.3	7	8.4	32	6.3	42	26	18

1. Taper tolerance < AT3
2. Basic material: JIS - SNCM220
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μ m
5. Surface roughness: Ra < 0.25 μ m
6. The shank is pre-balanced at G6.3 and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard: DIN 69893-5

DIN 69893 F

TYPE	d ₁ h10	d ₂	d ₃ H10	d ₄ H11	d ₅	d ₆ max.	d ₇ 0 -0.1	d ₈	l ₁ 0 -0.2	l ₂	l ₃ min.	l ₄ 0 -0.1	l ₅ ±0.1
HSK50	50	30.007	21	25.5	23	42	59.3	7	20	4	42	26	18
HSK63	63	38.009	26	32	29	53	72.3	7	25	5	42	26	18

1. Taper tolerance < AT3
2. Basic material: JIS - SNCM220
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μ m
5. Surface roughness: Ra < 0.25 μ m
6. The shank is pre-balanced at G6.3 and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard: DIN 69893-6



HSK / EOC COLLET CHUCK

For TYPE A

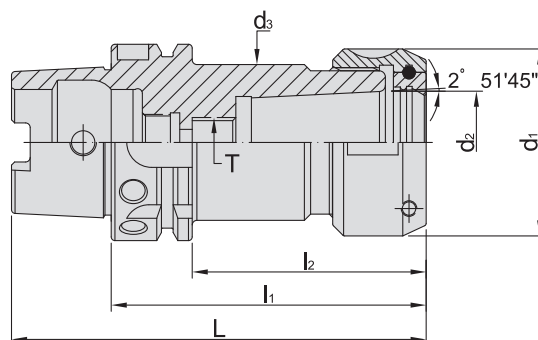
SYIC-31000

HSK / EOC 立銑刀夾頭

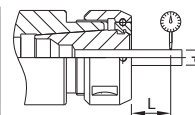
DIN 69893 - 1
DIN ISO 10897



- Each collet chuck is supplied with a nut but not including spanner and collet.
- Every tool holder reaches the standard of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



d ₁ TEST BAR DIAMETER MIN. MAX.		L	ROUND CONCENTRICITY
3	6	16	0.015
6	10	25	
10	18	40	
18	24	50	0.02
24	32	60	



- ★ Standard testing table is in accordance with the cutting length and precision requirements of various sizes of END MILLS.
- ★ Every Collet shipped out of the factory has been passed the inspection.

MODEL NO.	TYPE l ₁	L	l ₂	d ₁	d ₂	d ₃ MAX.	T	WEIGHT (KGS)
SYIC - 31002	HSK50A x EOC16 - 100	125	74	43	22.65	42	M12 x 1.75P	0.7
SYIC - 31004	HSK50A x EOC16 - 120	145	94					0.9
SYIC - 31006	HSK50A x EOC25 - 100	125	74	60	32.9		M16 x 2.0P	1.1
SYIC - 31008	HSK50A x EOC25 - 120	145	94					1.3
SYIC - 31010	HSK50A x EOC25 - 150	175	124	72	43.7		M20 x 2.0P	1.5
SYIC - 31012	HSK50A x EOC32 - 120	125	94					2.1
SYIC - 31014	HSK50A x EOC32 - 150	175	124	43	22.65	53	M12 x 1.75P	2.3
SYIC - 31022	HSK63A x EOC16 - 100	132	74					1.1
SYIC - 31024	HSK63A x EOC16 - 120	162	94	60	32.9		M16 x 2.0P	1.2
SYIC - 31026	HSK63A x EOC25 - 100	132	74					1.3
SYIC - 31028	HSK63A x EOC25 - 120	162	94	72	43.7		M20 x 2.0P	1.5
SYIC - 31030	HSK63A x EOC25 - 150	182	124					1.7
SYIC - 31032	HSK63A x EOC32 - 120	162	94	43	22.65	85	M12 x 1.75P	2.3
SYIC - 31034	HSK63A x EOC32 - 150	182	124					2.5
SYIC - 31042	HSK100A x EOC16 - 100	150	71	60	32.9		M16 x 2.0P	3.4
SYIC - 31044	HSK100A x EOC16 - 120	170	91					3.6
SYIC - 31046	HSK100A x EOC25 - 100	150	71	72	43.7		M20 x 2.0P	3.5
SYIC - 31048	HSK100A x EOC25 - 120	170	91					3.7
SYIC - 31050	HSK100A x EOC25 - 150	200	121	43	22.65	85	M12 x 1.75P	4.1
SYIC - 31052	HSK100A x EOC32 - 130	180	101					4.5
SYIC - 31054	HSK100A x EOC32 - 150	200	121	60	32.9		M16 x 2.0P	4.7

Standard Accessory: ● STANDARD NUT

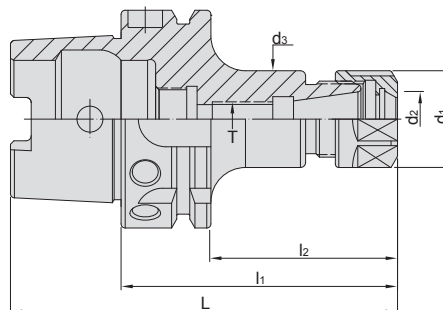
Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P236	P244	P250	P246	P246	P275

HSK / ER COLLET CHUCK FOR TYPE A

SYIC-31400

HSK / ER 立銑刀夾頭

DIN 69893 - 1
DIN ISO 15488


- Revolution of every tool holder is checked by a balancing machine.

- Every tool holder reaches an revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- It can clamp any straight cutters and tools.

MODEL NO.	TYPE l ₁	L	l ₂	d ₁	d ₂	d ₃ MAX.	T	WEIGHT (KGS)
SYIC - 31378	HSK40A x ER20A - 80	100	60	34	20	32	M10 x 1.5P	0.35
SYIC - 31384	HSK40A x ER25 - 80			42	25			0.40
SYIC - 31402	HSK50A x ER16A - 80	105	54	28	16	42	M10 x 1.5P	0.50
SYIC - 31404	HSK50A x ER16A - 100	125	74					0.55
SYIC - 31406	HSK50A x ER16A - 120	145	94					0.70
SYIC - 31408	HSK50A x ER20A - 80	105	54	34	20		M12 x 1.75P	0.60
SYIC - 31410	HSK50A x ER20A - 100	125	74					0.65
SYIC - 31412	HSK50A x ER20A - 120	145	94					0.70
SYIC - 31414	HSK50A x ER25 - 80	105	54	42	25		M16 x 2.0P	0.70
SYIC - 31416	HSK50A x ER25 - 100	125	74					0.80
SYIC - 31418	HSK50A x ER25 - 135	160	109					0.90
SYIC - 31420	HSK50A x ER32 - 100	125	74	50	32	53	M16 x 2.0P	1.35
SYIC - 31422	HSK50A x ER32 - 135	160	109					1.50
SYIC - 31424	HSK50A x ER32 - 160	185	134					1.70
SYIC - 31432	HSK63A x ER16A - 80	112	54	28	16		M10 x 1.5P	1.50
SYIC - 31434	HSK63A x ER16A - 100	132	74					1.55
SYIC - 31436	HSK63A x ER16A - 120	152	94					1.70
SYIC - 31438	HSK63A x ER16A - 160	192	134					1.90
SYIC - 31440	HSK63A x ER20A - 80	112	54	34	20		M12 x 1.75P	1.60
SYIC - 31442	HSK63A x ER20A - 100	132	74					1.70
SYIC - 31444	HSK63A x ER20A - 120	152	94					1.80
SYIC - 31446	HSK63A x ER20A - 160	192	134					2.00
SYIC - 31448	HSK63A x ER25 - 80	112	54	42	25		M16 x 2.0P	1.70
SYIC - 31450	HSK63A x ER25 - 100	132	74					1.80
SYIC - 31452	HSK63A x ER25 - 120	152	94					2.00
SYIC - 31454	HSK63A x ER25 - 150	182	124					2.30

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P225	P241	P250	P246	P246	P275



HSK / ER COLLET CHUCK FOR TYPE A

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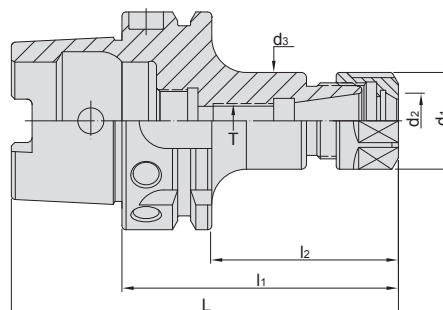
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SYIC-31400

HSK / ER 立銑刀夾頭

DIN 69893 - 1
DIN ISO 15488



- Revolution of every tool holder is checked by a balancing machine.

- Every tool holder reaches an revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- It can clamp any straight cutters and tools.

MODEL NO.	TYPE l ₁	L	l ₂	d ₁	d ₂ ER	d ₃ MAX.	T	WEIGHT (KGS)
SYIC - 31456	HSK63A x ER32 - 80	112	54	50	32	53	-	2.50
SYIC - 31462	HSK63A x ER32 - 100	132	74				M16 x 2.0P	2.55
SYIC - 31464	HSK63A x ER32 - 145	177	119					2.70
SYIC - 31466	HSK63A x ER32 - 160	192	134					3.10
SYIC - 31468	HSK63A x ER40 - 80	112	54	63	40		-	2.65
SYIC - 31470	HSK63A x ER40 - 100	132	74				M20 x 2.0P	2.70
SYIC - 31472	HSK63A x ER40 - 120	152	94					2.77
SYIC - 31474	HSK63A x ER40 - 150	182	124					2.95
SYIC - 31476	HSK63A x ER40 - 170	202	144					3.10
SYIC - 31478	HSK63A x ER50 - 120	152	94	78	50		M24 x 2.0P	3.50
SYIC - 31482	HSK100A x ER16A - 80	130	51	28	16	85	M10 x 1.5P	2.90
SYIC - 31484	HSK100A x ER16A - 100	150	71					2.95
SYIC - 31486	HSK100A x ER16A - 160	210	131					3.45
SYIC - 31488	HSK100A x ER20A - 80	130	51	34	20		M12 x 1.75P	2.90
SYIC - 31490	HSK100A x ER20A - 100	150	71					3.00
SYIC - 31492	HSK100A x ER20A - 160	210	131					3.30
SYIC - 31494	HSK100A x ER25 - 100	150	71	42	25		M16 x 2.0P	3.00
SYIC - 31496	HSK100A x ER25 - 130	180	101					3.20
SYIC - 31498	HSK100A x ER32 - 100	150	71	50	32		M16 x 2.0P	3.15
SYIC - 31500	HSK100A x ER32 - 135	185	106					3.35
SYIC - 31502	HSK100A x ER32 - 150	200	121					3.50
SYIC - 31504	HSK100A x ER40 - 80	130	51	63	40		M20 x 2.0P	3.30
SYIC - 31506	HSK100A x ER40 - 120	170	91					3.38
SYIC - 31508	HSK100A x ER40 - 175	225	146					4.20
SYIC - 31510	HSK100A x ER50 - 100	150	71	78	50		M24 x 2.0P	4.50
SYIC - 31512	HSK100A x ER50 - 120	170	91					5.00

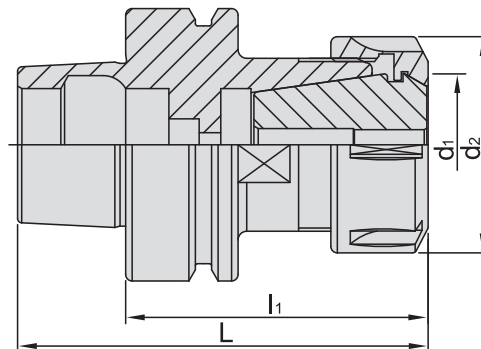
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P225	P241	P250	P246	P246	P275

SYIC-31400-E

HSK / ER 立銑刀夾頭

DIN 69893 - 5
DIN ISO 15488

- Shank are ground totally and is done with balance.
- Every tool holder reaches the revolution of G2.5 25,000 rpm, with 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 ₁	d ₂	WEIGHT (KGS)
SYIC - 31376 - E	HSK40E x ER16 - 65	85	16	28	0.35
SYIC - 31383 - E	HSK40E x ER25 - 75	95	25	42	0.40
SYIC - 31386 - E	HSK40E x ER32 - 100	125	32	50	0.45
SYIC - 31402 - E	HSK50E x ER16 - 80	105	16	28	0.50
SYIC - 31419 - E	HSK50E x ER32 - 85	110	32	50	1.30
SYIC - 31456 - E	HSK63E x ER32 - 90	122	32	50	2.50
SYIC - 31467 - E	HSK63E x ER40 - 75	107	40	63	2.65
SYIC - 31472 - E	HSK63E x ER40 - 120	152			2.77

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER
P225	P241	P250

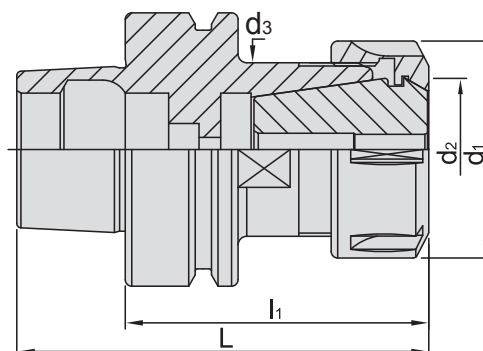


HSK / ER COLLET CHUCK FOR TYPE F

SYIC-31400-F

HSK / ER 立銑刀夾頭

DIN 69893 - 6
DIN ISO 15488



- Shank are ground totally and is done with balance.
- Every tool holder reaches the revolution of G2.5 25,000 rpm, with 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	L	d ₁	d ₂ ER	d ₃ MAX.	T	WEIGHT (KGS)
SYIC - 31402 - F	HSK50F x ER16A - 80	100	28	16	42	M10 x 1.5P	0.50
SYIC - 31404 - F	HSK50F x ER16A - 100	120					0.55
SYIC - 31406 - F	HSK50F x ER16A - 120	140					0.70
SYIC - 31408 - F	HSK50F x ER20A - 80	100	34	20		M12 x 1.75P	0.60
SYIC - 31410 - F	HSK50F x ER20A - 100	105					0.65
SYIC - 31412 - F	HSK50F x ER20A - 120	140					0.70
SYIC - 31414 - F	HSK50F x ER25 - 80	100	42	25		M16 x 2.0P	0.70
SYIC - 31416 - F	HSK50F x ER25 - 100	120					0.80
SYIC - 31418 - F	HSK50F x ER25 - 135	155					0.90
SYIC - 31420 - F	HSK50F x ER32 - 100	120	50	32		M16 x 2.0P	1.35
SYIC - 31422 - F	HSK50F x ER32 - 135	150					1.50
SYIC - 31424 - F	HSK50F x ER32 - 160	180					1.70

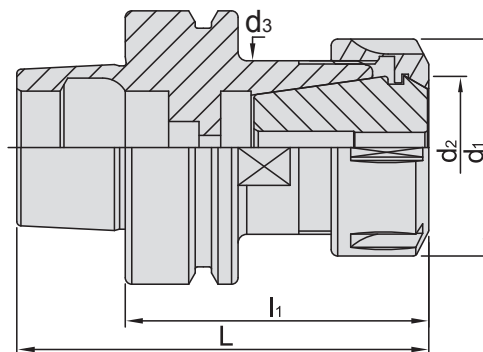
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER
		
P225	P241	P250

SYIC-31400-F

HSK / ER 立銑刀夾頭

DIN 69893 - 6
DIN ISO 15488

- Shank are ground totally and is done with balance.
- Every tool holder reaches the revolution of G2.5 25,000 rpm, with 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	L	d ₁	d ₂ ER	d ₃ MAX	T	WEIGHT (KGS)
SYIC - 31432 - F	HSK63F x ER16A - 80	105	28	16	53	M10x1.5P	1.50
SYIC - 31434 - F	HSK63F x ER16A - 100	125					1.55
SYIC - 31436 - F	HSK63F x ER16A - 120	145					1.70
SYIC - 31438 - F	HSK63F x ER16A - 160	185					1.90
SYIC - 31440 - F	HSK63F x ER20A - 80	105	34	20		M12x1.75P	1.60
SYIC - 31442 - F	HSK63F x ER20A - 100	125					1.70
SYIC - 31444 - F	HSK63F x ER20A - 120	145					1.80
SYIC - 31446 - F	HSK63F x ER20A - 160	185					2.00
SYIC - 31448 - F	HSK63F x ER25 - 80	105	42	25		M16 x 2.0P	1.70
SYIC - 31450 - F	HSK63F x ER25 - 100	125					1.80
SYIC - 31452 - F	HSK63F x ER25 - 120	145					2.00
SYIC - 31454 - F	HSK63F x ER25 - 150	175					2.30
SYIC - 31456 - F	HSK63F x ER32 - 80	105	50	32		-	2.50
SYIC - 31462 - F	HSK63F x ER32 - 100	125				M16 x 2.0P	2.55
SYIC - 31464 - F	HSK63F x ER32 - 145	170					2.70
SYIC - 31466 - F	HSK63F x ER32 - 160	185					3.10
SYIC - 31468 - F	HSK63F x ER40 - 80	105	63	40		-	2.65
SYIC - 31470 - F	HSK63F x ER40 - 100	125				M20 x 2.0P	2.70
SYIC - 31472 - F	HSK63F x ER40 - 120	145					2.77
SYIC - 31474 - F	HSK63F x ER40 - 150	175					2.95
SYIC - 31476 - F	HSK63F x ER40 - 170	195	3.10				
SYIC - 31478 - F	HSK63F x ER50 - 120	145	78	50		M24 x 2.0P	3.50

Standard Accessory: • STANDARD NUT

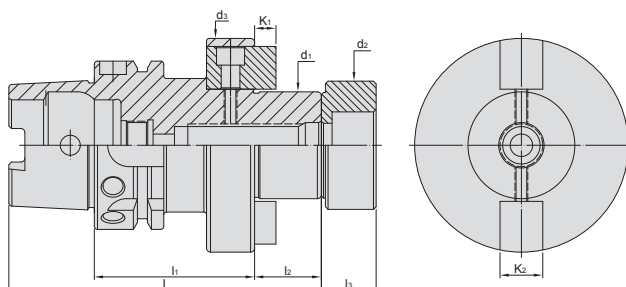
Option

COLLET	NUT	SPANNER
P225	P241	P250

SYIC-32390

HSK 平面銑刀柄

DIN 69893 - 1



- d1 tolerance: h6.
- The pre-balance can reach G6.3 3,000 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 d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
SYIC - 32392	HSK40A x FMB16 - 50	87	17	-	-	40	3.8	8	0.7
SYIC - 32394	HSK40A x FMB22 - 60	99	19	14	26	50	4.8	10	0.8
SYIC - 32396	HSK40A x FMB27 - 60	101	21	16	31.5	60	5.8	12	1.0
SYIC - 32398	HSK40A x FMB32 - 60	104	24	16	41	78	6.8	14	1.1
SYIC - 32402	HSK50A x FMB16 - 50	92	17	-	-	40	3.8	8	1.1
SYIC - 32404	HSK50A x FMB22 - 60	104	19	14	26	50	4.8	10	1.2
SYIC - 32406	HSK50A x FMB27 - 60	106	21	16	31.5	60	5.8	12	1.3
SYIC - 32408	HSK50A x FMB32 - 60	109	24	16	41	78	6.8	14	1.5
SYIC - 32412	HSK63A x FMB16 - 50	99	17	-	-	40	3.8	8	1.2
SYIC - 32414	HSK63A x FMB22 - 50	101	19	14	26	50	4.8	10	1.3
SYIC - 32416	HSK63A x FMB27 - 60	113	21	16	31.5	60	5.8	12	1.5
SYIC - 32418	HSK63A x FMB32 - 60	116	24	16	41	78	6.8	14	1.6
SYIC - 32420	HSK63A x FMB40 - 60	119	25	20.5	48	89	8.3	16	2.1
SYIC - 32442	HSK100A x FMB22 - 50	119	19	14	26	50	4.8	10	2.7
SYIC - 32444	HSK100A x FMB27 - 50	121	21	16	31.5	60	5.8	12	2.9
SYIC - 32446	HSK100A x FMB32 - 50	124	24	16	41	78	6.8	14	3.0
SYIC - 32448	HSK100A x FMB40 - 60	137	25	20.5	48	89	8.3	16	4.0
SYIC - 32450	HSK100A x FMB50 - 70	150	30	25	68	120	9.7	19	5.1
SYIC - 32452	HSK100A x FMB60 - 70	160	40	-	-	129	12.5	25.4	5.5

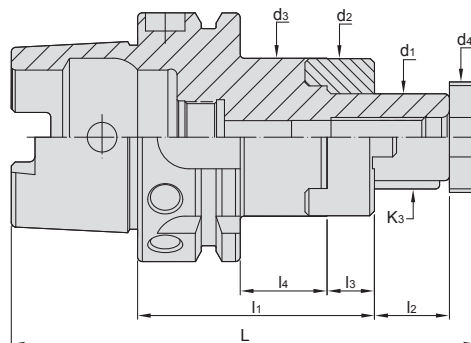
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P246	P246

SYIC-32600

HSK 聯結式銑刀柄

DIN 69893 - 1



- Shank includes removable ring, nut and spanner.
- Can purchase removable ring, nut, & spanner separately.
- The pre-balance can reach G6.3 8,000 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 d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	d ₃ MAX.	d ₄	K ₃	WEIGHT (KGS)
SYIC - 32602	HSK50A x CSR16 - 50	98	17	10	14	32	42	20	4	0.77
SYIC - 32604	HSK50A x CSR22 - 50	101	19	12	12	40		28	6	0.88
SYIC - 32606	HSK50A x CSR27 - 65	119	21	12	27	46		35	7	1.10
SYIC - 32608	HSK50A x CSR32 - 65	123	24	14	25	55		42	8	1.40
SYIC - 32612	HSK63A x CSR16 - 60	115	17	10	24	32	53	20	4	0.97
SYIC - 32614	HSK63A x CSR22 - 60	118	19	12	22	40		28	6	1.08
SYIC - 32616	HSK63A x CSR27 - 60	121	21	12	22	46		35	7	1.30
SYIC - 32618	HSK63A x CSR32 - 60	125	24	14	20	55		42	8	1.60
SYIC - 32620	HSK63A x CSR40 - 70	139	27	14	30	68	85	52	10	2.05
SYIC - 32640	HSK100A x CSR16 - 60	133	17	10	21	32		20	4	2.47
SYIC - 32642	HSK100A x CSR22 - 60	136	19	12	19	40		28	6	2.68
SYIC - 32644	HSK100A x CSR27 - 60	139	21	12	19	46		35	7	2.90
SYIC - 32646	HSK100A x CSR32 - 60	143	24	14	17	55		42	8	3.20
SYIC - 32648	HSK100A x CSR40 - 70	157	27	14	27	68		52	10	3.65
SYIC - 32650	HSK100A x CSR50 - 80	172	30	16	35	80		63	12	4.10

Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Option

KEY	REMOVABLE RING	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P247	P247	P247	P247	P246	P246



HSK SIDE LOCK END MILL HOLDER FOR TYPE A

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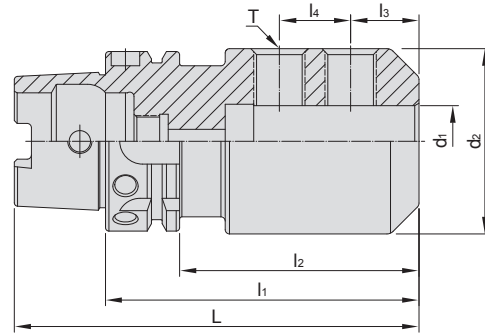
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SYIC-32800

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1
DIN 1835 - B



- Checked by balancing machine.
- Internal hole tolerance: H5.

- Balancing the diameter of shank must conform to DIN-1835-B, and the shank diameter permissible tolerance within h6~h7.
- Each checked by balancing machine.
- The pre-balance can reach G6.3 8,000 rpm, without the inspection report.
- 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	L	l ₂	l ₃	l ₄	d ₂	T	WEIGHT (KGS)
SYIC - 32802	HSK50A x SLN6 - 65	90	39	18	-	25	M6 x 1.0P	0.7
SYIC - 32804	HSK50A x SLN8 - 65			18		28	M8 x 1.25P	0.8
SYIC - 32806	HSK50A x SLN10 - 65			20		35	M10 x 1.5P	0.8
SYIC - 32808	HSK50A x SLN12 - 80			22.5		42	M12 x 1.75P	1.2
SYIC - 32810	HSK50A x SLN14 - 80	105	54	22.5		44		1.3
SYIC - 32812	HSK50A x SLN16 - 80			24		48	M14 x 2.0P	1.3
SYIC - 32814	HSK50A x SLN18 - 80			24		50		1.4
SYIC - 32816	HSK50A x SLN20 - 80			25		52	M16 x 2.0P	1.5
SYIC - 32822	HSK63A x SLN6 - 65	97	39	18		25	M6 x 1.0P	0.9
SYIC - 32824	HSK63A x SLN8 - 65			18		28	M8 x 1.25P	1.0
SYIC - 32826	HSK63A x SLN10 - 65			20		35	M10 x 1.5P	1.0
SYIC - 32828	HSK63A x SLN12 - 80			22.5		42	M12 x 1.75P	1.7
SYIC - 32830	HSK63A x SLN14 - 80	112	54	22.5		44		1.7
SYIC - 32832	HSK63A x SLN16 - 80			24		48	M14 x 2.0P	1.7
SYIC - 32834	HSK63A x SLN18 - 80			24		50		1.8
SYIC - 32836	HSK63A x SLN20 - 80			25		52	M16 x 2.0P	1.8
SYIC - 32838	HSK63A x SLN25 - 110	142	84	24	25	65	M18 x 2.0P	2.5
SYIC - 32840	HSK63A x SLN32 - 110			24	28	72	M20 x 2.0P	2.7
SYIC - 32862	HSK100A x SLN6 - 80	130	51	18	-	25	M6 x 1.0P	3.0
SYIC - 32864	HSK100A x SLN8 - 80			18		28	M8 x 1.25P	3.2
SYIC - 32866	HSK100A x SLN10 - 80			20		35	M10 x 1.5P	3.4
SYIC - 32868	HSK100A x SLN12 - 80			22.5		42	M12 x 1.75P	3.4
SYIC - 32870	HSK100A x SLN14 - 80	150	71	22.5		44		3.5
SYIC - 32872	HSK100A x SLN16 - 100			24		48	M14 x 2.0P	3.8
SYIC - 32874	HSK100A x SLN18 - 100			24		50	M16 x 2.0P	3.8
SYIC - 32876	HSK100A x SLN20 - 100			25		52		3.9
SYIC - 32878	HSK100A x SLN25 - 100	170	71	24	25	65	M18 x 2.0P	4.0
SYIC - 32880	HSK100A x SLN32 - 100			24	28	72	M20 x 2.0P	4.1
SYIC - 32882	HSK100A x SLN40 - 120			30	32	90		4.4

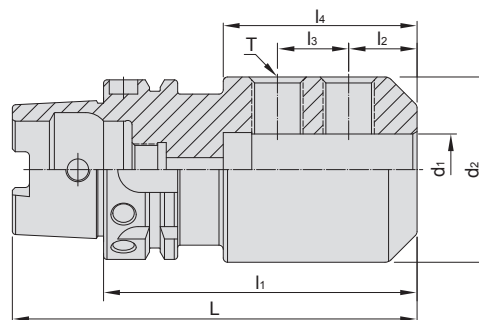
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P246	P246

SYIC-32900

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1



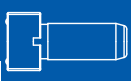
- Checked by balancing machine.
- Internal hole tolerance: H5.

- Each checked by balancing machine.
- The pre-balance can reach G6.3 8,000 rpm, without the inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	T	WEIGHT (KGS)
SYIC - 32922	HSK40A x SLN1/4" - 2.5"	3.287	0.63		1.38	0.78	1/4 - 28	0.31
SYIC - 32926	HSK40A x SLN3/8" - 2.5"	3.287	0.75		1.535	1	3/8 - 24	0.42
SYIC - 32928	HSK40A x SLN1/2" - 2.75"	3.537	0.875		1.732	1.25	7/16 - 20	0.57
SYIC - 32930	HSK40A x SLN5/8" - 3"	3.787	0.937		1.85	1.5	1/2 - 20	0.69
SYIC - 32948	HSK63A x SLN1/4" - 3"	4.26	0.63		1.38	0.78	1/4 - 28	0.76
SYIC - 32952	HSK63A x SLN3/8" - 3"	4.26	0.75	-	1.535	1	3/8 - 24	0.88
SYIC - 32954	HSK63A x SLN1/2" - 3"	4.26	0.875		1.732	1.25	7/16 - 20	1.13
SYIC - 32956	HSK63A x SLN5/8" - 3.75"	5	0.937		1.85	1.5	1/2 - 20	1.26
SYIC - 32958	HSK63A x SLN3/4" - 3.75"	5	1		1.929	1.75	5/8 - 18	1.33
SYIC - 32962	HSK63A x SLN1" - 3.75"	5	1.125		2.559	2	3/4 - 16	2.30
SYIC - 32964	HSK63A x SLN1-1/4" - 4.25"	5.51	1.125	1	2.559	2.5		2.52
SYIC - 32978	HSK100A x SLN1/4" - 3"	4.97	0.63	-	1.38	0.78	1/4 - 28	2.16
SYIC - 32982	HSK100A x SLN3/8" - 3"	4.97	0.75		1.535	1	3/8 - 24	2.31
SYIC - 32984	HSK100A x SLN1/2" - 3.25"	5.219	0.875		1.732	1.25	7/16 - 20	2.45
SYIC - 32986	HSK100A x SLN5/8" - 3.75"	5.719	0.937		1.85	1.5	1/2 - 20	2.84
SYIC - 32988	HSK100A x SLN3/4" - 3.75"	5.719	1		1.929	1.75	5/8 - 18	2.95
SYIC - 32992	HSK100A x SLN1" - 4.25"	6.219	1.125	1	2.559	2	3/4 - 16	3.46
SYIC - 32994	HSK100A x SLN1-1/4" - 4.25"	6.219	1.125		2.559	2.5		3.73
SYIC - 32996	HSK100A x SLN1-1/2" - 4.5"	6.469	1.125		2.756	2.5		5.51
SYIC - 32998	HSK100A x SLN2" - 5.5"	7.469	1.335	1.41	3.347	3.75	1 - 14	6.37

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
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HSK SIDE LOCK END MILL HOLDER FOR TYPE A

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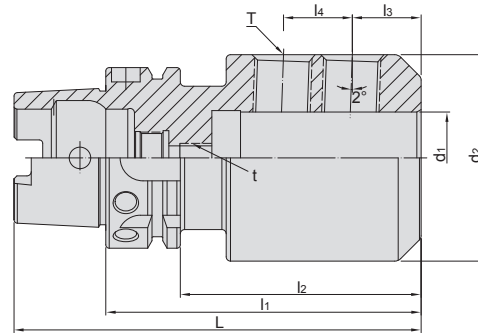
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SYIC-33100

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1
DIN 1835 - E



- Checked by balancing machine.
- Internal hole tolerance: H5.

- Balancing the diameter of shank must conform to DIN-1835-B, and the shank diameter permissible tolerance within h6~h7.
- The side lock screw angle 2°.
- Each checked by balancing machine.
- The pre-balance can reach G6.3 8,000 rpm.
- 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	L	l ₂	l ₃	l ₄	d ₂	t	T	WEIGHT (KGS)
SYIC - 33102	HSK50A x SLNB6 - 80	105	54	18	-	25	M5	M6 x 1.0P	0.8
SYIC - 33104	HSK50A x SLNB8 - 80			18		28	M6	M8 x 1.25P	0.9
SYIC - 33106	HSK50A x SLNB10 - 80			20		35	M8	M10 x 1.5P	0.9
SYIC - 33108	HSK50A x SLNB12 - 90	115	64	22.5		42	M10	M12 x 1.75P	1.3
SYIC - 33110	HSK50A x SLNB14 - 90			22.5		44			1.4
SYIC - 33112	HSK50A x SLNB16 - 90			24		48	M12	M14 x 2.0P	1.4
SYIC - 33114	HSK50A x SLNB18 - 90			24		50			1.6
SYIC - 33116	HSK50A x SLNB20 - 100	125	74	25		52	M16	M16 x 2.0P	1.7
SYIC - 33132	HSK63A x SLNB6 - 80	112	54	18		25	M5	M6 x 1.0P	1.0
SYIC - 33134	HSK63A x SLNB8 - 80			18		28	M6	M8 x 1.25P	1.1
SYIC - 33136	HSK63A x SLNB10 - 80			20		35	M8	M10 x 1.5P	1.1
SYIC - 33138	HSK63A x SLNB12 - 90	122	64	22.5		42	M10	M12 x 1.75P	2.0
SYIC - 33140	HSK63A x SLNB14 - 90			22.5		44			2.0
SYIC - 33142	HSK63A x SLNB16 - 100	132	74	24		48	M12	M14 x 2.0P	2.0
SYIC - 33144	HSK63A x SLNB18 - 100			24		50			2.1
SYIC - 33146	HSK63A x SLNB20 - 100			25		52	M16	M16 x 2.0P	2.1
SYIC - 33148	HSK63A x SLNB25 - 110	142	84	24	22	65	M20	M18 x 2.0P	2.6
SYIC - 33150	HSK63A x SLNB32 - 110			24	24	72		M20 x 2.0P	2.8
SYIC - 33162	HSK100A x SLNB6 - 90	140	61	18	-	25	M5	M6 x 1.0P	3.4
SYIC - 33164	HSK100A x SLNB8 - 90			18		28	M6	M8 x 1.25P	3.5
SYIC - 33166	HSK100A x SLNB10 - 90			20		35	M8	M10 x 1.5P	3.8
SYIC - 33168	HSK100A x SLNB12 - 100	150	71	22.5		42	M10	M12 x 1.75P	3.8
SYIC - 33170	HSK100A x SLNB14 - 100			22.5		44			4.0
SYIC - 33172	HSK100A x SLNB16 - 100			24		48	M12	M14 x 2.0P	4.0
SYIC - 33174	HSK100A x SLNB18 - 100			24		50			4.0
SYIC - 33176	HSK100A x SLNB20 - 110	160	81	25		52	M16	M16 x 2.0P	4.2
SYIC - 33178	HSK100A x SLNB25 - 120	170	91	24	22	65	M20	M18 x 2.0P	4.4
SYIC - 33180	HSK100A x SLNB32 - 120			24	24	72		M20 x 2.0P	4.5
SYIC - 33182	HSK100A x SLNB40 - 120			30	30	90		M20 x 2.0P	5.0

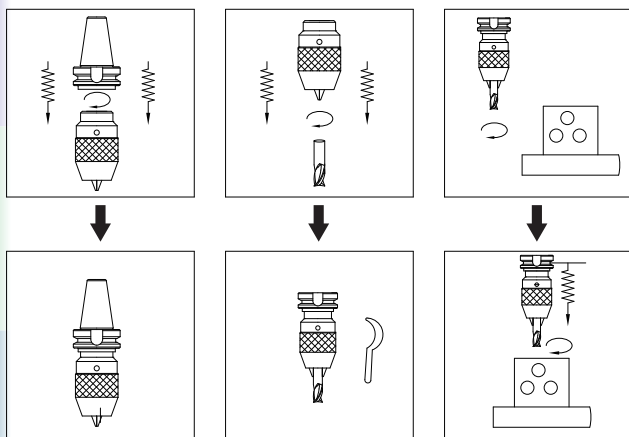
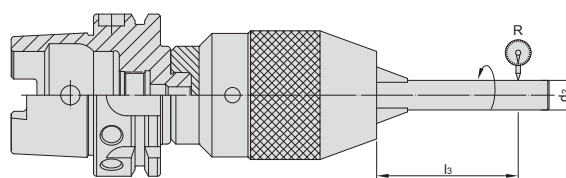
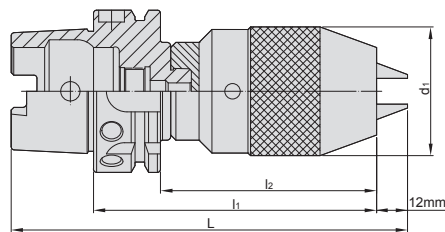
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P246	P246

SYIC-34900

HSK / SPU 直結式鑽夾頭

DIN 69893 - 1



- Avoid chuck falling off.
⊙ Inside with tightening design for thread.
- Can be used for heavy-duty cutting & high-speed cutting.
⊙ Drill never loosening or falling off.
- It also can process for higher work-piece.
⊙ Additional use range of machine.

This product adds multi safety design, able to provide for Machine Center, in full automatic operation control by computer, and unmanned management process, it can be processed safely and smoothly.

- The pre-balance can reach G6.3 8,000 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	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 34902	HSK50A x SPU13 - 110	147	84	55	50	5	0.04	1.4
SYIC - 34904	HSK63A x SPU13 - 110	154	84	55		10		2.1
SYIC - 34906	HSK100A x SPU13 - 120	182	91	75		13		3.1

Standard Accessory: ● SPANNER

Option

SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P250	P246	P246

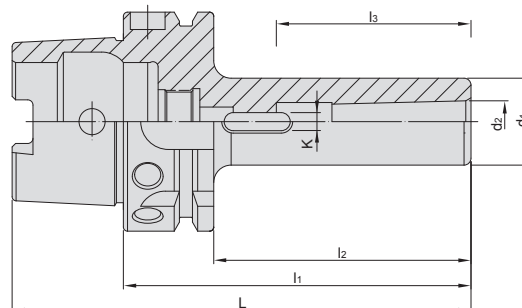


HSK MORSE TAPER ADAPTER FOR TYPE A

SYIC-35100

HSK 斜柄鑽頭套筒

DIN 69893 - 1



- Revolution of every tool holder checked by a balancing machine.
- Roundness: 0.005mm.
- MTA=TANG TYPE=DIN 228-B

MODEL NO.	TYPE MTA - l ₁	L	l ₂	l ₃	d ₁	d ₂	K	WEIGHT (KGS)
SYIC - 35102	HSK50A x MTA1 - 100	125	74	56	25	12.065	5.2	1.5
SYIC - 35104	HSK50A x MTA2 - 120	145	94	67	32	17.78	6.3	1.8
SYIC - 35106	HSK50A x MTA3 - 140	165	114	84	40	23.825	7.9	1.9
SYIC - 35112	HSK63A x MTA1 - 100	132	74	56	25	12.065	5.2	1.9
SYIC - 35114	HSK63A x MTA2 - 120	152	94	67	32	17.78	6.3	2.0
SYIC - 35116	HSK63A x MTA3 - 140	172	114	84	40	23.825	7.9	2.2
SYIC - 35118	HSK63A x MTA4 - 160	192	134	107	48	31.267	11.9	2.5
SYIC - 35122	HSK100A x MTA1 - 110	160	81	56	25	12.065	5.2	3.4
SYIC - 35124	HSK100A x MTA2 - 120	170	91	67	32	17.78	6.3	3.8
SYIC - 35126	HSK100A x MTA3 - 150	200	121	84	40	23.825	7.9	4.0
SYIC - 35128	HSK100A x MTA4 - 170	220	141	107	48	31.267	11.9	4.6
SYIC - 35130	HSK100A x MTA5 - 200	250	171	135	63	44.399	15.9	5.2

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P246	P246

SYIC-35200T

HSK / MLT 直式筒夾 銑床夾頭

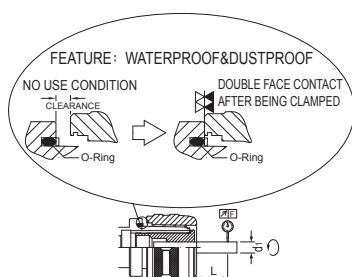
DIN 69893 - 1



T W PAT NO. M 336833
T W PAT NO. M 282763
T W PAT NO. M 286103
C N PAT NO. ZL200620005386.6
C N PAT NO. ZL200820102785.3

Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



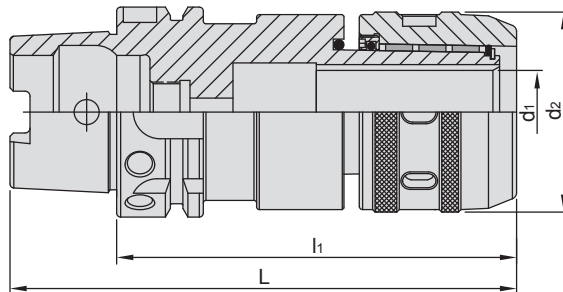
FEATURE: WATERPROOF&DUSTPROOF

NO USE CONDITION
DOUBLE FACE CONTACT
AFTER BEING CLAMPED

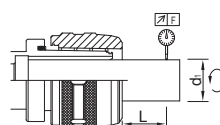


UNIT: mm

d ₁ END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L END MILL LENGTH	25	30	30	40	40	50	50	60	60
F CONCENTRICITY	0.02								



- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



UNIT: mm

L	MLT20	60
	MLT32	80
	MLT40	100
F	CONCENTRICITY	0.001 ~ 0.005

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 35234T	HSK50A x MLT20 - 120	140	120	20	55	1.62
SYIC - 35238T	HSK63A x MLT20 - 90	122	90			1.52
SYIC - 35240T	HSK63A x MLT20 - 120	152	120			1.68
SYIC - 35248T	HSK63A x MLT32 - 105	137	105	32	73	1.60
SYIC - 35250T	HSK63A x MLT32 - 120	152	120			1.76
SYIC - 35254T	HSK63A x MLT32 - 150	182	150			1.92
SYIC - 35258T	HSK63A x MLT42 - 135	167	135	42	95	1.82

Option

COLLET	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P235	P250	P246	P246



STRAIGHT COLLET HSK / MLD MULTI - LOCK MILLING CHUCK COOLANT TYPE

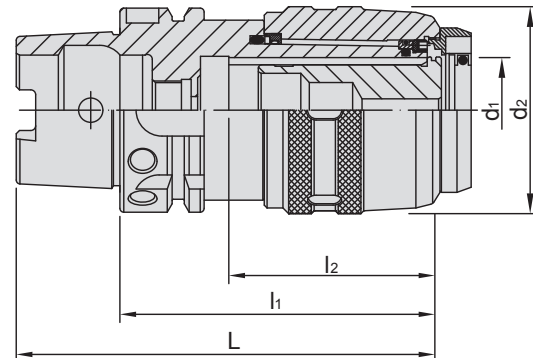
SYIC-35300

HSK / MLD 直式筒夾 銑床夾頭

DIN 69893 - 1

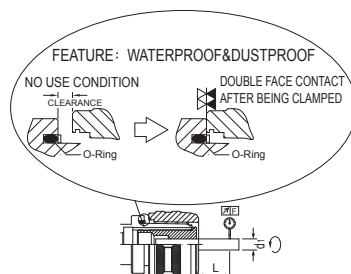


T W PAT NO. M 255088
T W PAT NO. M 248535
T W PAT NO. M 336833
T W PAT NO. M 282763
T W PAT NO. M 286103
J P PAT NO. 3101740
C N PAT NO. ZL200320127039.7
C N PAT NO. ZL200420065776.3
C N PAT NO. ZL200620005386.6
C N PAT NO. ZL200820102785.3



Benefit:

- #1 Never excessively tighten and damage chuck.
- #2 Sealed from dirt and debris to eliminate damage to chuck.



UNIT: mm

d ₁	END MILL DIAMETER	6	8	10	12	16	20	25	32	42
L	END MILL LENGTH	25	30	30	40	40	50	50	60	60
F	CONCENTRICITY	0.02								

SLOTING

This design is to make 6 slots inside the internal hole to prevent slipping and increase clamping power.

NEEDLE BEARING

It adopts two line device in order to decrease rolling friction and slipping during sliding by taper side.

- The pre-balance can reach G6.3 8,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- 4 adjustable coolant ports for directing coolant.



- W/O coolant hole nut (SYIC-19490) is for coolant through the cutting tool.

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
SYIC - 35312	HSK50A x MLD20 - 120	140	120	55	20	52	1.62
SYIC - 35314	HSK50A x MLD25 - 120				25	60	1.70
SYIC - 35316	HSK50A x MLD32 - 130	150	130	65	32	73	1.80
SYIC - 35322	HSK63A x MLD20 - 120	152	120	55	20	55	1.68
SYIC - 35324	HSK63A x MLD25 - 120				25	55	1.70
SYIC - 35332	HSK63A x MLD32 - 120			65	32	73	1.76
SYIC - 35334	HSK63A x MLD32 - 150	182	150		32	73	1.92

Standard Accessory: • NUT • PRESET SCREW

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P235	P243	P250	P246	P246	P275

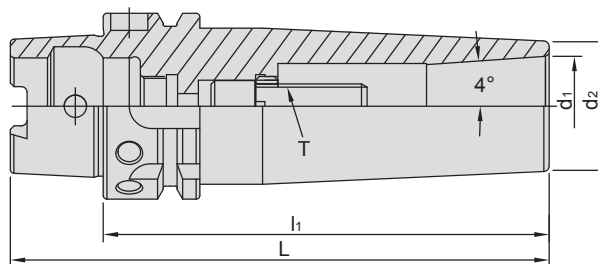
SYIC-35450

HSK / SBL 後拉式立銑刀夾頭

DIN 69893 - 1



T W PAT NO. M274178



- Every tool holder reaches the revolution of G2.5 25,000 rpm, with 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 ₁	d ₂	T	WEIGHT (KGS)
SYIC - 35452	HSK50A x SBL6 - 80	105	9.93	14	M6 x 1.0P	1.40
SYIC - 35454	HSK50A x SBL6 - 120	145				1.50
SYIC - 35456	HSK50A x SBL12 - 110	135	18	26	M10 x 1.5P	1.50
SYIC - 35458	HSK50A x SBL12 - 130	155				1.85
SYIC - 35460	HSK50A x SBL20 - 120	145	27	35	M12 x 1.75P	1.80
SYIC - 35462	HSK50A x SBL20 - 150	175				2.00
SYIC - 35470	HSK63A x SBL6 - 80	112	9.93	14	M6 x 1.0P	1.70
SYIC - 35472	HSK63A x SBL6 - 120	152				1.90
SYIC - 35476	HSK63A x SBL12 - 110	142	18	26	M10 x 1.5P	1.80
SYIC - 35478	HSK63A x SBL12 - 150	182				2.00
SYIC - 35480	HSK63A x SBL20 - 120	152	27	35	M12 x 1.75P	2.00
SYIC - 35482	HSK63A x SBL20 - 140	172				2.45
SYIC - 35492	HSK100A x SBL6 - 120	170	9.93	14	M6 x 1.0P	2.15
SYIC - 35494	HSK100A x SBL12 - 120	170	18	26	M10 x 1.5P	2.40
SYIC - 35496	HSK100A x SBL20 - 135	185	27	35	M12 x 1.75P	2.74

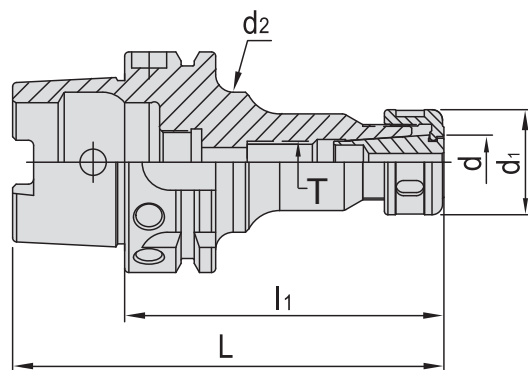
Option

COLLET	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	SPANNER
P237 	P246 	P246 	P250 

SYIC-35500

HSK / SKS 高速機專用夾頭

DIN 69893 - 1

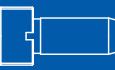


- Best T.I.R: runout is within 5 μ (4D length).
- SKS Collect taper 4°, increasing holder power, concentricity and rigidity.
- Every tool holder reaches revolution of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE - I ₁	L	d	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 35506	HSK50A x SKS6 - 90	115	9.964	18	32	M8 x 1.25P	0.8
SYIC - 35508	HSK50A x SKS6 - 120	145					1.0
SYIC - 35512	HSK50A x SKS10 - 90	115	14.981	30	40	M12 x 1.75P	0.8
SYIC - 35514	HSK50A x SKS10 - 120	145					1.0
SYIC - 35516	HSK50A x SKS16 - 90	115	23.939	40		M18 x 1.5P	1.0
SYIC - 35517	HSK50A x SKS16 - 120	145					1.2
SYIC - 35519	HSK50A x SKS25 - 90	115	35.029	55.1	42	M28 x 2.0P	1.3
SYIC - 35520	HSK50A x SKS25 - 120	145					1.4
SYIC - 35521	HSK63A x SKS6 - 90	122	9.964	18	32	M8 x 1.25P	1.0
SYIC - 35522	HSK63A x SKS10 - 90	122	14.981	30	40	M12 x 1.75P	1.0
SYIC - 35524	HSK63A x SKS10 - 120	152					1.8
SYIC - 35526	HSK63A x SKS16 - 90	122	23.939	40		M18 x 1.5P	2.0
SYIC - 35528	HSK63A x SKS16 - 120	152					2.2
SYIC - 35536	HSK63A x SKS25 - 90	122	35.029	55.1	52	M28 x 2.0P	2.2
SYIC - 35538	HSK63A x SKS25 - 120	152					2.3
SYIC - 35550	HSK100A x SKS6 - 105	155	9.964	18	40	M8 x 1.25P	1.2
SYIC - 35552	HSK100A x SKS10 - 105	155	14.981	30		M12 x 1.75P	2.6
SYIC - 35554	HSK100A x SKS16 - 105	155	23.939	40		M18 x 1.5P	2.7
SYIC - 35556	HSK100A x SKS25 - 120	170	35.029	55.1	55.1	M28 x 2.0P	3.4

Standard Accessory: • STANDARD NUT

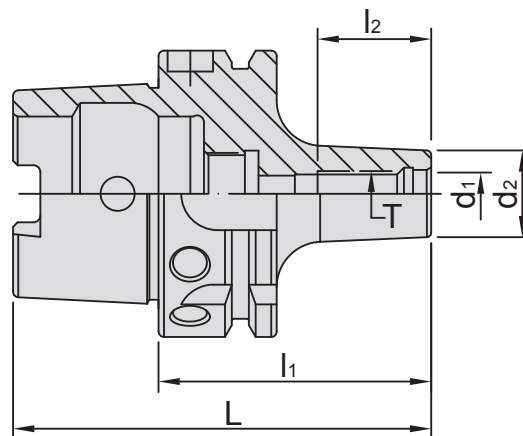
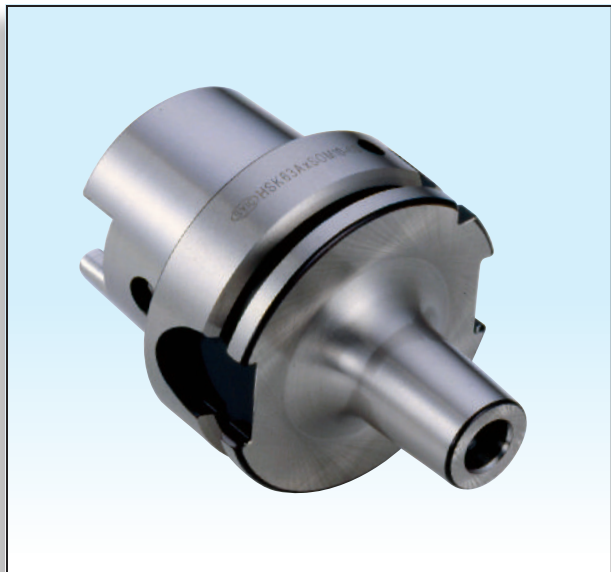
Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
					
P240	P245	P250	P246	P246	P275

SYIC-39200

HSK / SOM 螺紋鎖固式刀桿

DIN 69893 - 1



- Every tool holder reaches the revolution of G2.5 25,000 rpm, with 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	T	WEIGHT (KGS)
SYIC - 39230	HSK50A x SOM6 - 60	85	25	6.5	10	M6 x 1.0P	0.70
SYIC - 39232	HSK50A x SOM8 - 60			8.5	13	M8 x 1.25	0.70
SYIC - 39234	HSK50A x SOM10 - 60			10.5	19	M10 x 1.5P	0.80
SYIC - 39236	HSK50A x SOM12 - 70	95	31	12.5	21		0.80
SYIC - 39238	HSK50A x SOM16 - 80	105		17	29	M16 x 2.0P	0.80
SYIC - 39250	HSK63A x SOM6 - 60	92	25	6.5	10	M6 x 1.0P	1.00
SYIC - 39252	HSK63A x SOM8 - 60			8.5	13	M8 x 1.25P	1.00
SYIC - 39254	HSK63A x SOM10 - 60			10.5	19	M10 x 1.5P	1.10
SYIC - 39256	HSK63A x SOM12 - 70	102	31	12.5	21	M12 x 1.75	1.10
SYIC - 39258	HSK63A x SOM16 - 80	112		17	29	M16 x 2.0P	1.10
SYIC - 39270	HSK100A x SOM6 - 90	140	25	6.5	10	M6 x 1.0P	2.18
SYIC - 39272	HSK100A x SOM8 - 90			8.5	13	M8 x 1.25P	2.19
SYIC - 39274	HSK100A x SOM10 - 95	145		10.5	19	M10 x 1.5P	2.26
SYIC - 39276	HSK100A x SOM12 - 90	140	31	12.5	21	M12 x 1.75P	2.31
SYIC - 39278	HSK100A x SOM16 - 100	150		17	29	M16 x 2.0P	2.55

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
 P262	 P262	 P263	 P263	 P246	 P246

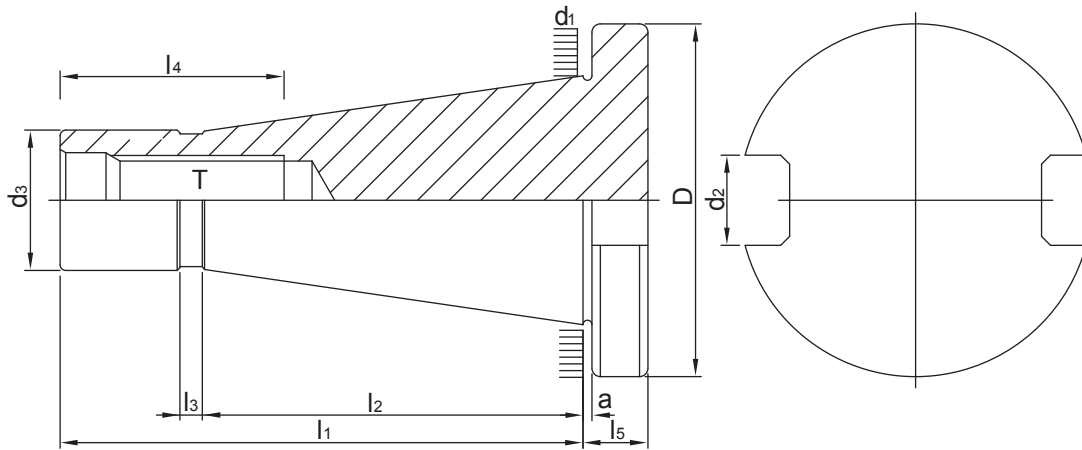


NT & MT

TOOL HOLDER SYSTEM

04730	NT / ER COLLET HOLDER	125
04700	MTB / ER COLLET HOLDER	126
04715	R8 / ER COLLET HOLDER	126
81530	NT DRILL CHUCK ARBOR	127
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83670	EOC COLLET CHUCK	134
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DIN 2080

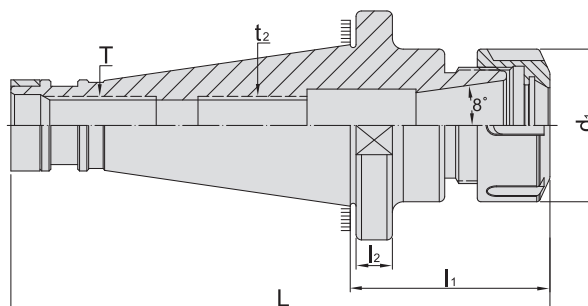
TYPE	D 0 -0.4	d ₁	d ₂ H12	d ₃ max	a ±0.2	l ₁	l ₂	l ₃	l ₄ mix	l ₅ ±0.15	T
NT30	49	31.75	16.1	17.04	1.6	68.4	48.4	3	24	8	1/2" - 12W, M12 x 1.75P, 1/2" - 13UNC
NT40	63	44.45	16.1	24.92	1.6	93.4	65.4	5	32	10	5/8" - 11W, M16 x 2.0P
NT50	97.5	69.85	25.7	39.19	3.2	126.8	101.8	8	47	12	1" - 8W, M24 x 3.0P

1. Taper tolerance < AT3
2. Basic material: JIS-SCM415
3. Hardness > HRC 56° Carbon depth > 0.8mm
4. Roundness < 0.8 μ m
5. Surface roughness: Ra < 0.25 μ m
7. Shank body standard: DIN2080

SYIC-04730

NT / ER 銑夾頭柄

DIN ISO 15488



- Steel: SCM - 21.
- At the end of body, there's a plastic ring protecting the spindle from damage.
- Can purchase holder alone. Each holder has been locked with a clamping nut, but without a spanner.
- Please inform DRAW BAR's size when purchasing holder.

MODEL NO.	TYPE DIN2080 x ER x l ₁	L	l ₂	d ₁	t ₂	T DRAW BAR	WEIGHT (KGS)
SYIC - 04732	NT30 x ER16A - 45	111.4	8	28	M10 x 1.5P	M12 x 1.75P or 1/2" - 12	0.50
SYIC - 04733	NT30 x ER20A - 45	113.4		34	M12 x 1.75P		0.60
SYIC - 04734	NT30 x ER25 - 55	123.4		42	M16 x 2.0P		0.65
SYIC - 04735	NT30 x ER32 - 60	128.4		50			0.80
SYIC - 04736	NT30 x ER40 - 75	143.4		63			0.90
SYIC - 04738	NT40 x ER16A - 45	138.4	10	28	M10 x 1.5P	M16 x 2.0P or 5/8" - 11	0.95
SYIC - 04740	NT40 x ER20A - 45	138.4		34	M12 x 1.75P		1.20
SYIC - 04742	NT40 x ER25 - 55	148.4		42	M16 x 2.0P		1.25
SYIC - 04743	NT40 x ER32 - 60	153.4		50			1.30
SYIC - 04745	NT40 x ER40 - 70	163.4		63	M20 x 2.0P		1.35
SYIC - 04746	NT40 x ER50 - 80	173.4		78	M24 x 2.0P		2.00
SYIC - 04748	NT50 x ER32 - 75	201.8	12	50	M16 x 2.0P	M24 x 3.0P or 1" - 8	3.20
SYIC - 04749	NT50 x ER40 - 80	206.8		63	M20 x 2.0P		3.40
SYIC - 04750	NT50 x ER50 - 80	206.8		78	M24 x 2.0P		3.70

Standard Accessory: • STANDARD NUT

Option

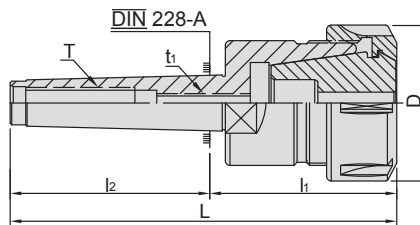
COLLET	NUT	SPANNER	PRESET SCREW
			
P225	P241	P250	P275

MTB / ER COLLET HOLDER

SYIC-04700

MTB / ER 銑床夾頭柄

DIN ISO 15488

SYIC-83640
P.266

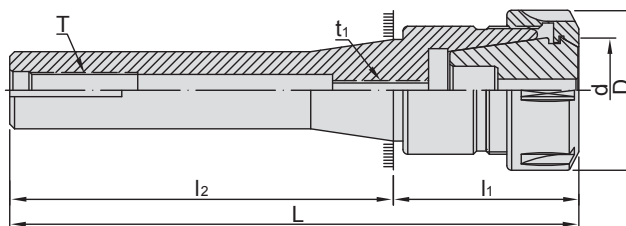
- MTB=MK.
- MTB+TANG=MTA.
- For Tang see model number SYIC-83640.

MODEL NO.	TYPE MTB x ER x l ₁	l ₂	L	D	t ₁	T DRAW BAR	WEIGHT (K G S)
SYIC - 04700	MTB2 x ER20A - 52	64	116	35	M10 x 1.5P	M10 x 1.5 P, 3/8" W16	0.45
SYIC - 04701	MTB2 x ER25 - 55		119	42			0.50
SYIC - 04702	MTB3 x ER25 - 55	81	136	42	M12 x 1.75P	M12 x 1.75P, 1/2" W12	0.60
SYIC - 04703	MTB3 x ER32 - 60		141	50			0.80
SYIC - 04704	MTB3 x ER40 - 70	102.5	151	63	M16 x 2.0P	M16 x 2.0P, 5/8" W11	1.30
SYIC - 04705	MTB4 x ER32 - 60		162.5	50			0.95
SYIC - 04706	MTB4 x ER40 - 70		172.5	63			1.50

R8 / ER COLLET HOLDER

SYIC-04715

R8 / ER 銑床夾頭柄



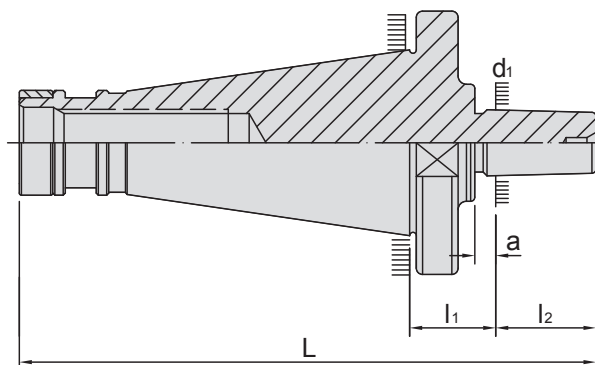
- Steel: SCM - 21.
- HRC: 56°.
- Body's thread is ground precisely.

- Each holder has been locked with pin nut, but not including the spanner.
- For a whole set, please refer to SYIC-04900.

MODEL NO.	TYPE R8 x ER x l ₁	l ₂	L	D	d ₁	t ₁	T DRAW BAR	WEIGHT (KGS)
SYIC - 04717	R8 x ER16A - 38	102	135	28	16	M10 x 1.5P	7/16" NF20	0.65
SYIC - 04718	R8 x ER32 - 60		162	50	32	M12 x 1.75P		0.90
SYIC - 04719	R8 x ER40 - 65		168	63	40	M16 x 2.0P		1.15

SYIC-81530

NT 夾頭心軸



- Concentricity: 0.005mm.
- Roundness: 0.005mm.
- When ordering, please inform Draw Bar thread (inch or metric system).

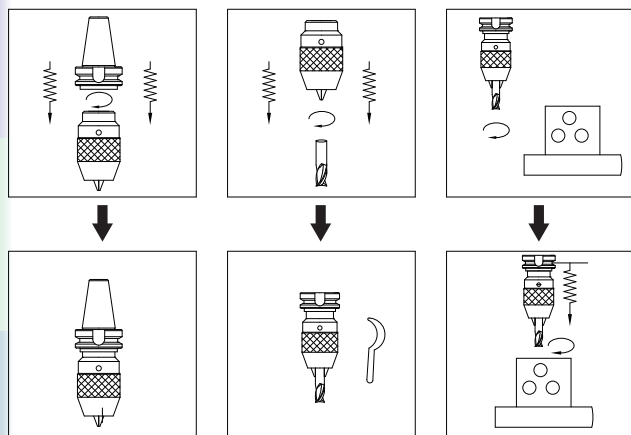
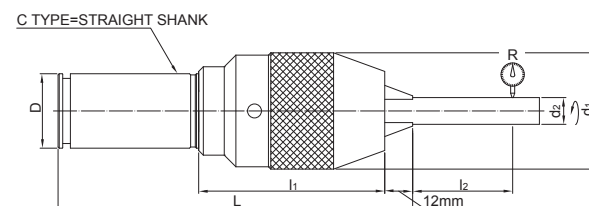
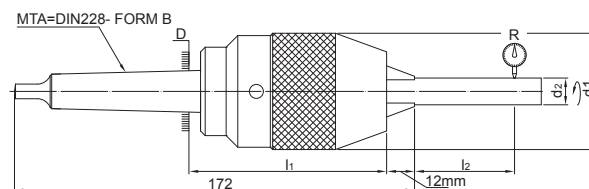
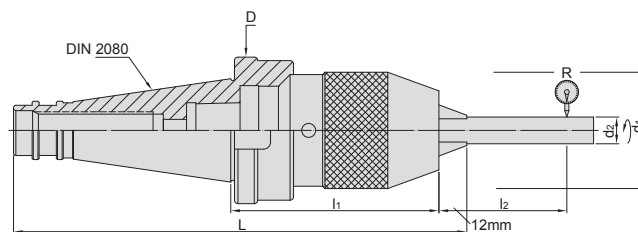
MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	a	WEIGHT (KGS)
SYIC - 81512	NT30 x B16	111	18.6	24	15.733	5	0.35
SYIC - 81513	NT40 x B16	138	20.6				0.80
SYIC - 81514	NT50 x B16	176	26.2				2.85
SYIC - 81533	NT30 x JT3	118.95	19.6	30.95	20.599	5	0.45
SYIC - 81536	NT30 x JT6	112.4	18.6	25.4	17.17	4	0.40
SYIC - 81543	NT40 x JT3	144.95	20.6	30.95	20.599	5	0.95
SYIC - 81546	NT40 x JT6	139.4	20.6	25.4	17.17	4	0.85
SYIC - 81553	NT50 x JT3	182.95	26.2	30.95	20.599	5	3.00
SYIC - 81556	NT50 x JT6	176.4	25.2	25.4	17.17	4	2.90

SPU DRILL CHUCK

INTEGRATED TYPE

SYIC-82230

SPU 直結式鑽夾頭



- Avoid chuck falling off.
⊙ Inside with tightening design for thread.
- Can be used for heavy-duty cutting & high-speed cutting.
⊙ Drill never loosening or falling off.
- It also can process for higher work-piece.
⊙ Additional use range of machine.

This product adds multi safety design, able to provide for Machine Center, in full automatic operation controlled by computer, and unmanned management process, it can be progressed safely and smoothly.

MODEL NO.	TYPE	l ₁	l ₂	L	D	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 82229	C20 x SPU8 - 81	81	55	134	20	37	10	0.04	1.15
SYIC - 82230	C20 x SPU13 - 81			158	20	50			1.20
SYIC - 82231	C25 x SPU13 - 81			174	25				1.30
SYIC - 82232	C32 x SPU13 - 81			174	32				1.50
SYIC - 82233	MTA3 x SPU13 - 86	86		187	50				1.30
SYIC - 82234	MTA4 x SPU13 - 87.5	87.5		216	50				1.65
SYIC - 82236	NT30 x SPU13 - 110	110		200.4	49		5		1.50
SYIC - 82237	NT40 x SPU13 - 90	90		195.4	63		10		1.85
SYIC - 82238	NT50 x SPU13 - 80	80	75	218.8	97.5		13		3.80
SYIC - 82239	R8 x SPU13 - 110	110	55	223	54		10		1.80
SYIC - 82245	NT30 x SPU 8 - 80	80		160.4	49		37		5
SYIC - 82246	NT40 x SPU8 - 80			185.4	63	5	1.65		
SYIC - 82247	NT40 x SPU16 - 100	100		75	205.4	63	57		13
SYIC - 82248	NT50 x SPU16 - 100		238.8		97.5	13			4.20

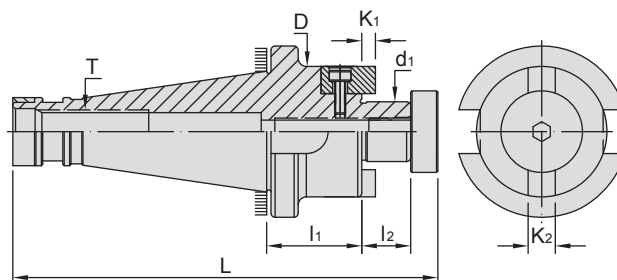
Standard Accessory: ● SPANNER

Option

SPANNER	TANG
 P250	 P266

SYIC-82800

NT 平面銑刀柄



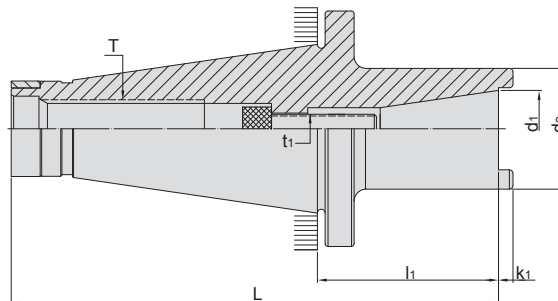
- d1=the external dia. of face mill cutter.
- There's a plastic ring at the end of the shank to protect machine spindle.
- When making an order, please inform Draw Bar size.

MODEL NO.	TYPE d ₁	D	L	l ₁	l ₂	K ₁	K ₂	T	WEIGHT (KGS)
SYIC - 82802	NT30 x FMA25.40	46	139.4	35	20	4.5	9.52	1/2" - 12 or M12 x 1.75P	0.55
SYIC - 82803	NT30 x FMA31.75	60	141.4		22	5.7	12.7		0.75
SYIC - 82804	NT30 x FMA38.10	70	148.9		25	6.87	15.87		2.10
SYIC - 82807	NT40 x FMA25.40	63	164.4		20	4.5	9.52	5/8" - 11 or M16 x 2.0P	1.45
SYIC - 82808	NT40 x FMA31.75		166.4		22	5.7	12.7		1.75
SYIC - 82809	NT40 x FMA38.10		173.4		25	6.87	15.87		2.00
SYIC - 82810	NT40 x FMA50.80	98	174.9		36	9.75	19.05		2.55
SYIC - 82811	NT40 x FMA47.62	128.75	149.4	24	32	12.5	25.4	1" - 8 or M24 x 3.0P	2.90
SYIC - 82813	NT50 x FMA25.40	50	182.8	45	20	4.5	9.52		3.30
SYIC - 82814	NT50 x FMA31.75	60	184.8		22	5.7	12.7		3.40
SYIC - 82815	NT50 x FMA38.10	70	192.3		25	6.87	15.87		3.60
SYIC - 82816	NT50 x FMA50.80	90	193.3		36	9.75	19.05		3.90
SYIC - 82817	NT50 x FMA47.62	128.75	157.8	24	32	12.5	25.4	1/2" - 12 or M12 x 1.75P	4.90
SYIC - 82827	NT30 x FMB22mm	42	136.4	35	19	4	10		0.67
SYIC - 82828	NT30 x FMB27mm	60	139.4		20	5	12		1.00
SYIC - 82829	NT30 x FMB32mm	65	141.4		22	6	14		1.20
SYIC - 82830	NT30 x FMB40mm	80	148.9		25	7	16		1.40
SYIC - 82831	NT40 x FMB22mm	48	163.4		19	4	10	5/8" - 11 or M16 x 2.0P	1.25
SYIC - 82832	NT40 x FMB27mm	58	166.4		20	5	12		1.45
SYIC - 82833	NT40 x FMB32mm	65	168.4		22	6	14		1.70
SYIC - 82834	NT40 x FMB40mm	80	175.9		25	7	16		2.50
SYIC - 82835	NT50 x FMB22mm	48	206.8	45	19	4	10	1" - 8 or M24 x 3.0P	3.50
SYIC - 82836	NT50 x FMB27mm	58	207.8		20	5	12		3.90
SYIC - 82837	NT50 x FMB32mm	65	214.3		22	6	14		4.00
SYIC - 82838	NT50 x FMB40mm	80	217.3		25	7	16		4.83

SYIC-82850



NT 套筒



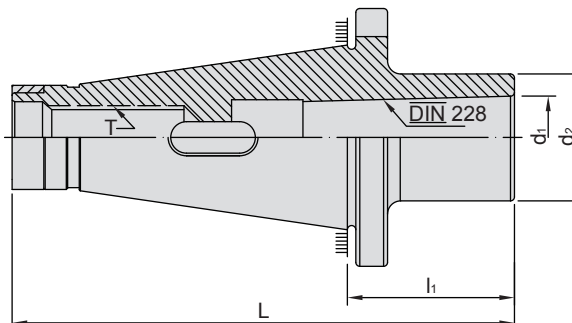
- Please inform the DRAW BAR'S size when making an order.

MODEL NO.	TYPE TAPER x d ₁ - l ₁	d ₂	L	K ₁	T	t ₁	WEIGHT (KGS)
SYIC - 82852	NT40 x TSA30M - 75	50	174.4	6	5/8" - 11 or M16 x 2.0P	M12 x 1.75P	1.8
SYIC - 82854	NT40 x TSA30U - 75					1/2" - 12	1.8
SYIC - 82856	NT50 x TSA30M - 75		207.8		1" - 8 or M24 x 3.0P	M12 x 1.75P	5.0
SYIC - 82858	NT50 x TSA30U - 75					1/2" - 12	5.0
SYIC - 82860	NT50 x TSA40M - 75	85	209.8	8		M16 x 2.0P	4.6
SYIC - 82862	NT50 x TSA40U - 75					5/8" - 11	4.6

SYIC-82900

NT 斜柄鑽頭套筒

DIN 6383



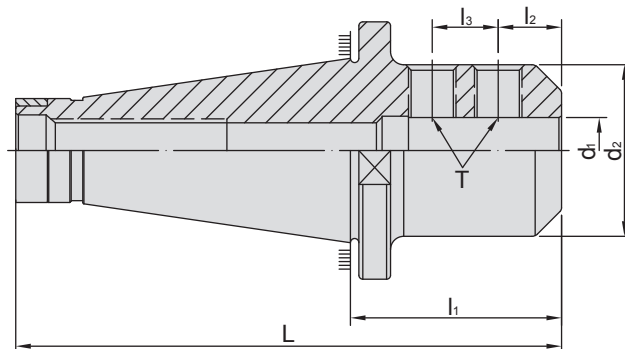
- Hardened & precision ground (I.D & O.D).
- Ronudness: 0.005mm.
- MTA=TANG TYPE=DIN 228-B.
- MTB=DRAW BAR TYPE=DIN 228-A.
- Best selected top quality tools steel fully hardened and ground. Morse taper inside hole and outside shank.
- When you are ordering this product, be sure to tell us the DRAW BAR SIZE you are going to use.

MODEL NO.	TYPE	l ₁	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 82900	NT30 x MTA2	55.5	123.9	17.78	32	1/2" - 12 or M12 x 1.75P	0.50
SYIC - 82901	NT30 x MTA3	74	142.4	23.825	40		0.55
SYIC - 82902	NT40 x MTA2	25	118.4	17.78	32	5/8" - 11 or M16 x 2.0P	0.80
SYIC - 82903	NT40 x MTA3	47	140.4	23.825	40		0.85
SYIC - 82904	NT40 x MTA4	82	175.4	31.267	48		1.25
SYIC - 82905	NT40 x MTA5	170	263.4	44.399	63		1.45
SYIC - 82907	NT50 x MTA2	20	146.8	17.78	32	1" - 8 or M24 x 3.0P	2.80
SYIC - 82908	NT50 x MTA3	30	156.8	23.825	40		2.90
SYIC - 82909	NT50 x MTA4	60	186.8	31.267	48		3.00
SYIC - 82910	NT50 x MTA5	86.2	209.8	44.399	63		3.10

SYIC-83200

NT / SLN 側固式立銑刀柄

DIN 1835
DIN 6359
DIN 1835-C



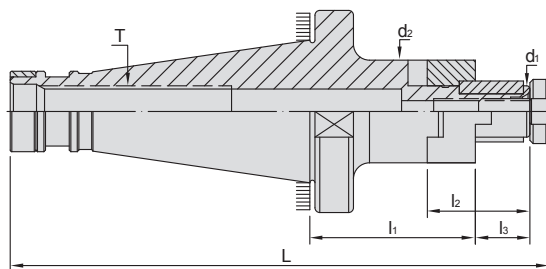
• Tolerance of internal hole: H5

MODEL NO.	TYPE d ₁ - l ₁	L	d ₂	l ₂	l ₃	T	WEIGHT (KGS)			
SYIC - 83230	NT30 x SLN6 - 40	108.4	25	18	-	M6 x 1.0P	0.50			
SYIC - 83231	NT30 x SLN8 - 40		28	18		M8 x 1.25P	0.60			
SYIC - 83232	NT30 x SLN10 - 40		35	20		M10 x 1.5P	0.60			
SYIC - 83233	NT30 x SLN12 - 50	118.4	42	22.5		M12 x 1.75P	0.65			
SYIC - 83234	NT30 x SLN16 - 50		48	24		M14 x 2.0P	0.75			
SYIC - 83235	NT30 x SLN20 - 63	131.4	52	25		M16 x 2.0P	1.10			
SYIC - 83236	NT30 x SLN25 - 80	148.4	65	24	25	M18 x 2.0P	1.20			
SYIC - 83240	NT40 x SLN6 - 50	143.4	25	18	-	M6 x 1.0P	0.90			
SYIC - 83241	NT40 x SLN8 - 50		28	18		M8 x 1.25P	0.95			
SYIC - 83242	NT40 x SLN10 - 50		35	20		M10 x 1.5P	1.10			
SYIC - 83243	NT40 x SLN12 - 50		42	22.5		M12 x 1.75P	1.00			
SYIC - 83244	NT40 x SLN16 - 63	156.4	48	24		M14 x 2.0P	1.40			
SYIC - 83245	NT40 x SLN20 - 63		52	25		M16 x 2.0P	1.45			
SYIC - 83246	NT40 x SLN25 - 80	173.4	65	24	25	M18 x 2.0P	2.10			
SYIC - 83247	NT40 x SLN32 - 80		72		28	M20 x 2.0P	2.50			
SYIC - 83250	NT50 x SLN6 - 63	189.8	25	18	-	M6 x 1.0P	2.90			
SYIC - 83251	NT50 x SLN8 - 63		28	18		M8 x 1.25P	3.00			
SYIC - 83252	NT50 x SLN10 - 63		35	20		M10 x 1.5P	3.20			
SYIC - 83253	NT50 x SLN12 - 63		42	22.5		M12 x 1.75P	3.30			
SYIC - 83254	NT50 x SLN16 - 63		48	24		M14 x 2.0P	3.50			
SYIC - 83255	NT50 x SLN20 - 63		52	25		M16 x 2.0P	3.60			
SYIC - 83256	NT50 x SLN25 - 80	206.8	65	24	25	M18 x 2.0P	4.20			
SYIC - 83257	NT50 x SLN32 - 80		72		28	M20 x 2.0P	4.40			
SYIC - 83258	NT50 x SLN40 - 100	226.8	90	30	32		4.40			
SYIC - 83261	NT50 x SLN40 - 120	246.8					100	35	35	4.20
SYIC - 83259	NT50 x SLN42 - 120									125
SYIC - 83263	NT50 x SLN50 - 120		95	33.1	28.58	M20 x 2.0P				
SYIC - 83265	NT50 x SLN63 - 120	5.40								
SYIC - 83267	NT50 x SLN50.8 - 120					M20 x 2.0P	5.00			

SYIC-83360

NT 聯結式銑刀柄

DIN 6358



- Steel: SCM-21.
- HRC: 58°.
- Shank includes removable ring, nut and spanner.
- Can purchase removable ring, nut, & spanner separately.
- Please specify the DRAW BAR'S size when making an order.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	T	WEIGHT (KGS)
SYIC - 83362	NT30 x CSR16 - 25	126	27	17	32	1/2" - 12 or M12 x 1.75P	1.4
SYIC - 83364	NT30 x CSR22 - 25	129	31	19	40		1.6
SYIC - 83366	NT30 x CSR27 - 25	132	33	21	48		1.8
SYIC - 83372	NT40 x CSR16 - 40	168	27	17	32	5/8" - 11 or M16 x 2.0P	2.2
SYIC - 83374	NT40 x CSR22 - 40	171	31	19	40		2.4
SYIC - 83376	NT40 x CSR27 - 40	174	33	21	48		2.6
SYIC - 83378	NT40 x CSR32 - 40	178	38	24	58		2.8
SYIC - 83380	NT40 x CSR40 - 40	182	41	27	70	1" - 8 or M24 x 3.0P	3.0
SYIC - 83382	NT50 x CSR16 - 40	205	27	17	32		4.4
SYIC - 83384	NT50 x CSR22 - 40	208	31	19	40		4.6
SYIC - 83386	NT50 x CSR27 - 40	211	33	21	48		4.8
SYIC - 83388	NT50 x CSR32 - 40	215	38	24	58		5.0
SYIC - 83390	NT50 x CSR40 - 40	219	41	27	70		5.2
SYIC - 83392	NT50 x CSR50 - 40	224	46	30	90		5.4

Standard Accessory: • KET • REMOVABLE RING • SPANNER

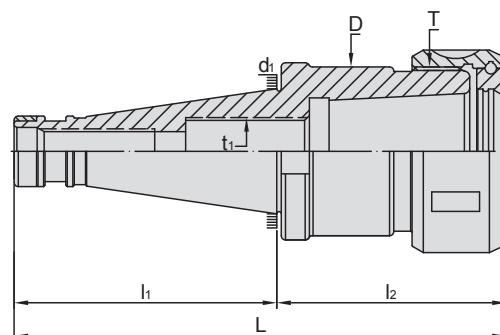
Option

KEY	REMOVABLE RING	NUT	SPANNER
			
P247	P247	P247	P247

SYIC-83670

EOC 立銑刀夾頭

DIN ISO 10897



TAPER	DRAW BAR
MTB 2	3/8" - 16 or M10 x 1.5P
MTB 3	1/2" - 12 or M12 x 1.75P
MTB 4	5/8" - 11 or M16 x 2.0P
MTB 5	1" - 8 or M24 x 3.0P
NT 30	1/2" - 12 or M12 x 1.75P USA 1/2" - 13
NT 40	5/8" - 11 or M16 x 2.0P
NT 50	1" - 8 or M24 x 3.0P

Can order SYIC-83640 TANG for shank MTB to become MTA.

- ★ The body thread treated with ground.
- ★ Included nut and spanner.
- ★ MTB=Draw Bar Type=DIN 228-A.

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	t ₁	T	WEIGHT (KGS)
SYIC - 83672	MTB2 x EOC25	126	64	62	49	17.78	M6 x 1.0P	M48 x 2.0P	1.30
SYIC - 83673	MTB3 x EOC25	144	81	63		23.825	M12 x 1.75P		1.40
SYIC - 83674	MTB4 x EOC25	162	102.5	59.5		31.267	M16 x 2.0P		1.55
SYIC - 83675	R8 x EOC25	163	102	61		31.75	M12 x 1.75P		1.55
SYIC - 83676	NT30 x EOC25	128.5	68.4	59.6		31.75			1.35
SYIC - 83677	NT40 x EOC25	148	93.4	54.6	63	44.45	M16 x 2.0P		1.65
SYIC - 83678	NT50 x EOC25	185	126.8	58.2	97.5	69.85	M24 x 2.0P		3.45
SYIC - 83682	MTB4 x EOC32	174	102.5	71.5	63	31.267	M16 x 2.0P	M60 x 2.5P	2.25
SYIC - 83683	MTB5 x EOC32	200	129.5	70.5		44.399	M24 x 2.0P		2.45
SYIC - 83685	NT40 x EOC32	175	93.4	81.6		44.45			2.25
SYIC - 83686	NT50 x EOC32	196.8	126.8	70	97.5	69.85			3.95

Standard Accessory: ● STANDARD NUT ● SPANNER

Option

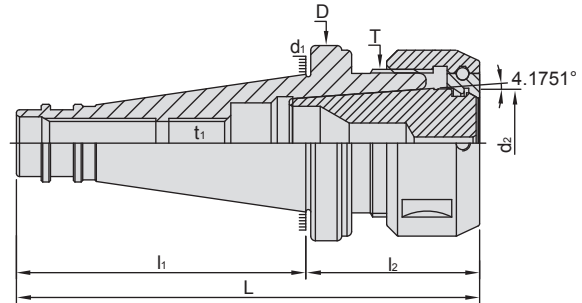
COLLET	NUT	SPANNER	PRESET SCREW	TANG
P225	P241	P250	P275	P266

SYIC-84020

TG 立銑刀夾頭



- Particular square design good for clamping capacity.
- This shank includes clamping NUT and SPANNER, but without COLLET.
- When ordering, please do clearly specify either S. A. E. or Metric DRAW BAR THREADS desired.



TAPER	DRAW BAR
MTB 2	3/8" - 16 or M10 x 1.5P
MTB 3	1/2" - 12 or M12 x 1.75P
MTB 4	5/8" - 11 or M16 x 2.0P
MTB 5	1" - 8 or M24 x 3.0P
NT 30	1/2" - 12 or M12 x 1.75P USA 1/2" - 13
NT 40	5/8" - 11 or M16 x 2.0P
NT 50	1" - 8 or M24 x 3.0P

Can order SYIC-83640 TANG for shank MTB to become MTA.

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	t ₁	T	WEIGHT (KGS)	
SYIC - 84024	MTB3 x TG75	136	81	55	40	23.825	26.97	M12 x 1.75P	TW 1-1/2" - 12	0.95	
SYIC - 84025	MTB4 x TG75	159.5	102.5	57		31.267		M16 x 2.0P		1.20	
SYIC - 84026	R8 x TG75	154	101	53		31.75		M12 x 1.75P		1.10	
SYIC - 84027	NT30 x TG75	123.4	68.4	55	49	31.75				0.90	
SYIC - 84028	NT40 x TG75	148.4	93.4	55	63	44.45		M16 x 2.0P		1.20	
SYIC - 84033	MTB3 x TG100	144	81	63	49	23.825	35.02	M12 x 1.75P	TW 1-7/8" - 12	1.05	
SYIC - 84034	MTB4 x TG100	167	102.5	64.5		31.267		M16 x 2.0P		1.30	
SYIC - 84035	R8 x TG100	162	101	61		31.75		M12 x 1.75P		1.20	
SYIC - 84036	NT30 x TG100	128	68.4	59.6		31.75				1.00	
SYIC - 84037	NT40 x TG100	147.2	93.4	53.8	63	44.45		M16 x 2.0P		1.30	
SYIC - 84038	NT50 x TG100	185.6	126.8	58.8	97.5	69.85	M24 x 2.0P	3.15			
SYIC - 84043	MTB4 x TG150	182.5	102.5	80	67	31.267	50.83	M16 x 2.0P	TW 2-5/8" - 12	2.90	
SYIC - 84045	MTB5 x TG150	209.5	129.5			44.399		M24 x 2.0P		3.50	
SYIC - 84047	NT40 x TG150	173.4	93.4		63	44.45				2.90	
SYIC - 84049	NT50 x TG150	206.8	126.8		97.5	69.85				4.75	

Standard Accessory: • STANDARD NUT

Option

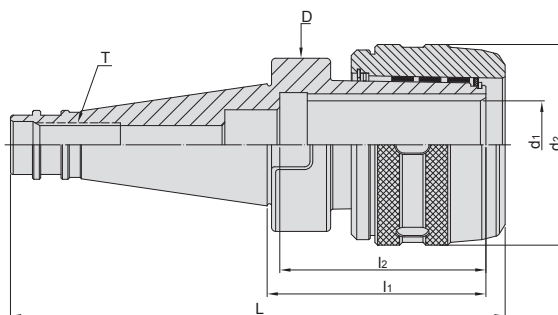
COLLET	NUT	SPANNER	PRESET SCREW	TANG
P238	P245	P250	P275	P266

SYIC-85930

MLC 直式筒夾 銑床夾頭



T W PAT NO. 186378



Retainer:

High tension brass retainer lead needle bearing in order to slide perfectly by the side of body taper.

Grease:

It uses the special hydraulic oil that will not solidify or melt under low and high temperature.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 85930	NT30 x MLC20 - 62.5	130.9	65	49	20	55	1/2" - 12 or M12 x 1.75P	1.9
SYIC - 85932	NT40 x MLC20 - 62.5	155.9	70	63			5/8" - 11 or M16 x 2.0P	2.3
SYIC - 85934	R8 x MLC20 - 62.5	163.5	85	55			7/16" - 20	1.9
SYIC - 85936	MTB4 x MLC32 - 90	192.5	90	73	32	73	5/8" - 11 or M16 x 2.0P	2.1
SYIC - 85938	MTB5 x MLC32 - 85	214.5		63			1" - 8 or M24 x 3.0P	3.8
SYIC - 85940	NT40 x MLC32 - 79.6	173		97.5			5/8" - 11 or M16 x 2.0P	2.6
SYIC - 85942	NT50 x MLC32 - 87.2	214		95			1" - 8 or M24 x 3.0P	4.9
SYIC - 85944	MTB4 x MLC42 - 95	197.5	110	95	42	95	5/8" - 11 or M16 x 2.0P	2.8
SYIC - 85946	MTB5 x MLC42 - 95	224.5		97.5			1" - 8	4.0
SYIC - 85948	NT50 x MLC42 - 86.2	213					or M24 x 3.0P	5.8

Option

COLLET	SPANNER
P235	P250



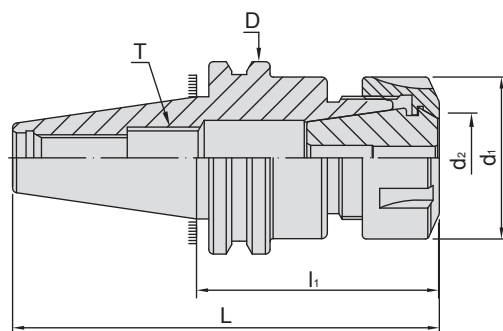
86100	ISO / ER COLLET CHUCK	138
86800	ISO / SBL SILM-FIT COLLET CHUCK	139
86850	ISO / SKS COLLET CHUCK	140

ISO TOOL HOLDER SYSTEM



SYIC-86100

ISO / ER 立銑刀夾頭



- Shank body under all grinding for pre-balance.
- For high speed using can order precision balance.

MODEL NO.	TYPE - I ₁	L	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 86102	ISO20 x ER11A - 52	83.3	33	19	11	M6 x 1.0P	0.55
SYIC - 86104	ISO20 x ER16A - 52			28	16	M10 x 1.5P	0.60
SYIC - 86106	ISO20 x ER20A - 52			34	20	M12 x 1.75P	0.65
SYIC - 86112	ISO25 x ER11A - 52	89.7	37	19	11	M6 x 1.0P	0.60
SYIC - 86114	ISO25 x ER16A - 52			28	16	M10 x 1.5P	0.65
SYIC - 86116	ISO25 x ER20A - 52			34	20	M12 x 1.75P	0.70
SYIC - 86122	ISO30 x ER11A - 80	127.8	50	19	11	M6 x 1.0P	0.70
SYIC - 86124	ISO30 x ER16A - 63	110.8		28	16	M10 x 1.5P	0.80
SYIC - 86126	ISO30 x ER20A - 63			34	20	M12 x 1.75P	0.85
SYIC - 86128	ISO30 x ER25 - 63			42	25	M16 x 2.0P	0.90
SYIC - 86130	ISO30 x ER32 - 63			50	32		0.90
SYIC - 86132	ISO30 x ER40 - 57	63		40	0.95		

Standard Accessory: • STANDARD NUT

Option

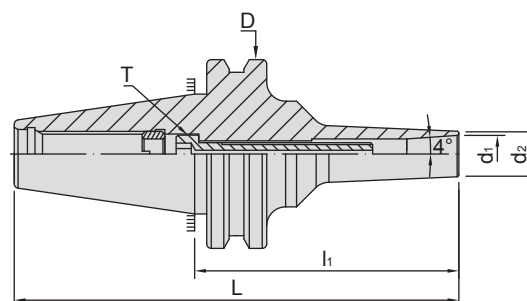
COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P225	P241	P250	P224	P275

SYIC-86800

ISO / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178



- Slim designs avoid interference.
- Chucking in the front part of Collet which hides inside.
- Good design for high speed rotating stable equilibrium because of non-clamping nut.
- 4° taper angle is good for powerful chucking and can stripe easily.

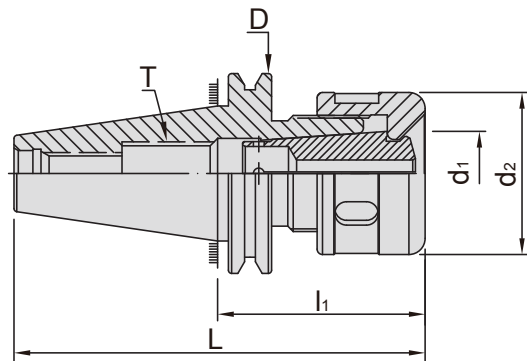
MODEL NO.	TYPE - l ₁	L	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 86822	ISO30 x SBL6 - 70	117.8	50	9.93	14	M6 x 1.0P	0.70
SYIC - 86824	ISO30 x SBL12 - 70			18	26	M10 x 1.5P	0.80
SYIC - 86826	ISO30 x SBL20 - 80	127.8		27	35	M12 x 1.75P	0.85

Option

COLLET	SPANNER	PULL STUDS
P237	P250	P224

SYIC-86850

ISO / SKS 高速機專用夾頭



- Shank under whole grinding for pre-balance.
- Higher grade and revolution can be done by request, but additional charge is needed.

MODEL NO.	TYPE - l ₁	L	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 86852	ISO20 x SKS6 - 45	76.3	33	9.964	18	M8 x 1.25P	0.55
SYIC - 86854	ISO20 x SKS6 - 60	91.3					0.60
SYIC - 86856	ISO20 x SKS10 - 45	76.3				M12 x 1.75P	0.60
SYIC - 86858	ISO20 x SKS10 - 60	91.3					0.70
SYIC - 86862	ISO25 x SKS6 - 45	82.7	37	9.964	18	M8 x 1.25P	0.60
SYIC - 86864	ISO25 x SKS6 - 60	97.7					0.65
SYIC - 86866	ISO25 x SKS10 - 40	77.7				M12 x 1.75P	0.70
SYIC - 86868	ISO25 x SKS10 - 60	97.7					0.75
SYIC - 86872	ISO30 x SKS6 - 45	92.8	50	9.964	18	M8 x 1.25P	0.65
SYIC - 86874	ISO30 x SKS6 - 60	107.8					0.70
SYIC - 86876	ISO30 x SKS10 - 45	92.8				M12 x 1.75P	0.80
SYIC - 86878	ISO30 x SKS10 - 60	107.8					0.85
SYIC - 86880	ISO30 x SKS16 - 60	107.8				M18 x 1.5P	0.72

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUDS	PRESET SCREW
P240	P245	P250	P224	P275