



We shall award medals to our quality!

PRECISION

BT . CAT . DAT . HSK TOOL HOLDERS

ACCESSORIES FOR MACHINING CENTER
MILLING MACHINE & LATHE

2013.02
NO.41



www.syic.com.tw

SYIC



Headquarter-Taiwan

Company Introduction

Shin-Yain Industrial Company was established in 1979. Presently, we have nine factories, which specialize in manufacturing precise tool holders, cutting tools, and accessories for lathes, milling machines, CNC machining centers, mill-turn machines, etc.

For more than 30 years, SYIC sticks to upgrade the industry and holds a principle, "Quality creates reputation; reputation ensures quality" to pass the accreditation of ISO-9001 Quality Management System and ISO14001 Environmental Management System. With the establishment of ISO-9001 Quality Management System and ISO14001 Environmental Management System, it helps us to ensure and raise the quality of our company's products and make them improve steadily. Our goal is to promote SYIC to countries worldwide and make SYIC as an international brand.

SYIC has produced 120 different kinds of products, which have 10,000 kinds of types. With nine factories, we have very sufficient stock. Now we have over 450 professional technicians. Also, we have set up professional examination department and precise instrument department to be in charge of examining the taper, concentricity, surface roughness, roundness and balancing of tool holders, cutting tools and other machine accessories.

Vice-president
Steven C.D Chen

President
Simon C.T Chen

General Manager
Scott C.C Chen



Advanced Manufacturing Capabilities

Concerning the manufacturing equipment, we have CNC computer lathes, CNC machining centers, CNC 5 axis machining centers, universal external and internal cylindrical grinding machines, CNC cylindrical grinding machines, CNC internal grinding machines, auto-hydraulic internal grinding machines, external grinding machines, plane grinding machines, threading machines, etc.



UNIVERSAL EXTERNAL AND INTERNAL CYLINDRICAL GRINDING MACHINE



STOCK AREA



GRINDING MACHINE WITH ROBOT ARM



CNC LATHE WITH AUTOMATIC FEEDING EQUIPMENT



CNC 5 AXIS MACHINING CENTER

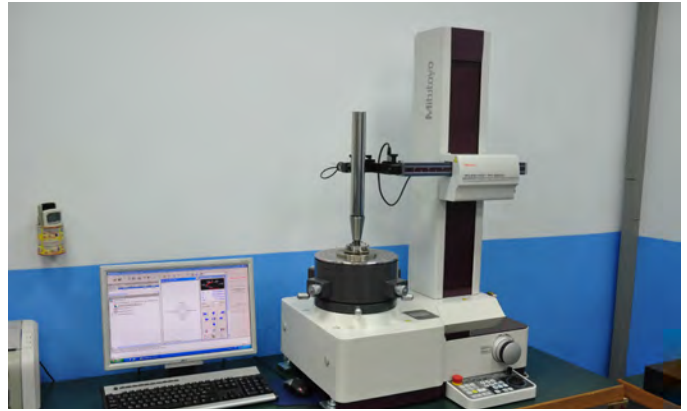


CNC LATHE WITH ROBOT





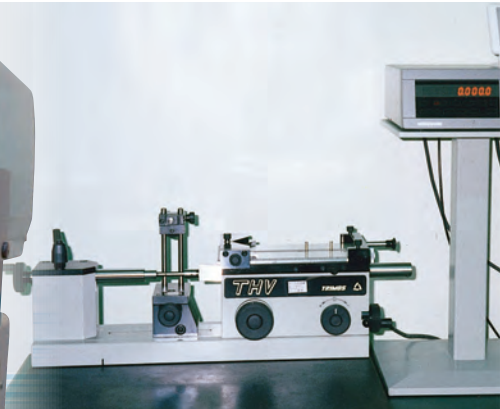
DIGITAL LINEAR SCALE TOOL PRE-SETTER



ROUNDNESS MEASURING MACHINE



BALANCE MACHINE



HORIZONTAL/VERTICAL MEASURING INSTRUMENT



3D COORDINATE MEASURING MACHINE

R&D Team Expertise

SYIC has set up a design dept. and R&D dept, which focus on developing and improving products. Each year we develop new and advanced products. At present, we own 107 Taiwan's patents and 100 oversea patents.

Our products can be categorized into NT, MT, BT (JIS B6339), DAT(DIN69871), CAT(ANSI B5.50), HSK(DIN69893), PSC(ISO26623-1), VDI(DIN ISO10889), angle head holder, cutting tool, edge finder, Z axial preset gauge, 3D tester and OEM products, etc. The products produced by SYIC have a complete guarantee in quality and quantity. Hence, the products manufactured by SYIC can help its distributors in the world win the trust from their customers and bring more wealth for them. Welcome old and new customers to support SYIC and purchase all the products produced by SYIC.

INTERNATIONAL PATENTS

Taiwan USA Germany Japan
China Switzerland Italy Spain
Turkey Korea



TOOL HOLDER SYSTEM

P.A

CAT

TOOL HOLDER SYSTEM

P.B

DAT

TOOL HOLDER SYSTEM

P.C

HSK

TOOL HOLDER SYSTEM

P.D

NT & MT

TOOL HOLDER SYSTEM

P.E

ISO

TOOL HOLDER SYSTEM

P.F

BORING SERIES

P.G

SHRINK FIT MACHINE & SHRINK FIT CHUCK

P.H

ACCESSORIES





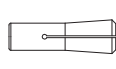

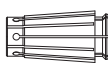
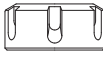

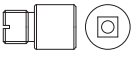
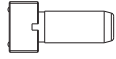


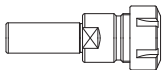

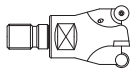
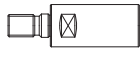


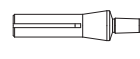
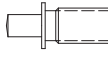
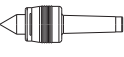
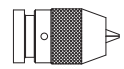
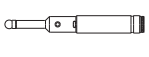
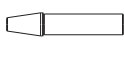



P.J

COMPLETE KIT SERIES

P.K

TECHNICAL INFORMATION

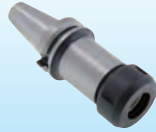
P.L

ACCESSORIES						
 P.J-2~J-5	 P.J-6~J-18	 P.J-19	 P.J-20	 P.J-21	 P.J-22	 P.J-24
 P.J-25~J-28	 P.J-29	 P.J-29	 P.J-30	 P.J-31	 P.J-32~J-35	 P.J-36~J-43
 P.J-45	 P.J-46~J47	 P.J-47	 P.J-49	 P.J-49	 P.J-50	 P.J-50
 P.J-51~J-52	 P.J-53	 P.J-55~J-57	 P.J-58	 P.J-59~J-60	 P.J-62~J-64	 P.J-70

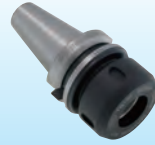
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P.A-5 - 16000



P.A-6 - 16060



P.A-7 - 16100



P.A-10 - 16300



P.A-12 - 16350



P.A-13 - 16420



P.A-14 - 16450



P.A-15 - 16500



P.A-16 - 16600



P.A-17 - 16650



P.A-19 - 16600BG



P.A-20 - 16650BG



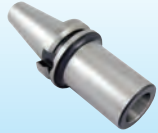
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P.A-22 - 17000



P.A-23 - 17000-B



P.A-24 - 17060



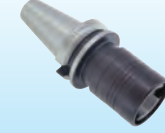
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P.A-27 - 17100-JIS



P.A-29 - 17710



P.A-30 - 18000



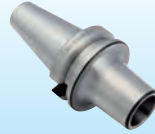
P.A-31 - 18200



P.A-33 - 18330



P.A-37 - 18850



P.A-38 - 18700



P.A-39 - 19200



P.A-40 - 19700



P.B-3 - 22000



P.B-4 - 22200



P.B-6 - 22350



P.B-7 - 22400



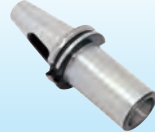
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P.B-9 - 22500



P.B-10 - 22600



P.B-11 - 22700



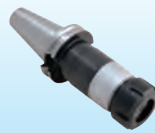
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P.B-13 - 23000



P.B-14 - 23100



P.B-15 - 23200G



P.B-16 - 23650



P.B-17 - 23700



P.B-18 - 28000



P.B-19 - 28200



P.B-20 - 29300



P.B-21 - 31.501



P.C-3 - 41350G



P.C-4 - 42000



P.C-5 - 42100



P.C-6 - 42200



P.C-8 - 42350



P.C-9 - 42400



P.C-11 - 42480



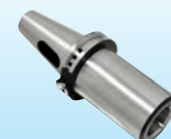
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P.C-13 - 42600



P.C-14 - 42650



P.C-15 - 42700



P.C-16 - 42800



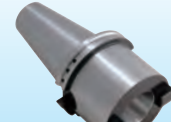
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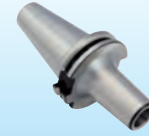
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P.C-20 - 44000



P.C-21 - 45350



P.C-22 - 48000



P.C-23 - 48200



P.C-24 - 49200



P.D-5 - 31000



P.D-6 - 31400



P.D-8 - 31400-E



P.D-9 - 31400-F



P.D-11 - 32390



P.D-12 - 32600



P.D-13 - 32800



P.D-16 - 34900



P.D-17 - 35000



P.D-18 - 35100



P.D-19 - 35300G



P.D-21 - 35450



P.D-22 - 35500



P.D-24 - 39200



P.D-25 - 73.501



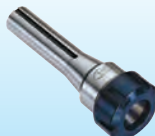
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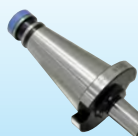
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P.E-4 - 04715



P.E-5 - 81530



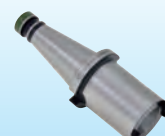
P.E-6 - 82230



P.E-7 - 82800



P.E-8 - 82850



P.E-9 - 82900



P.E-10 - 83200



P.E-11 - 83360



P.E-12 - 83670



P.E-13 - 84020



P. E-14 - 85930G



P.F-2 - 86100



P.F-3 - 86800



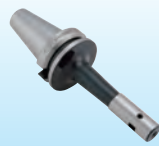
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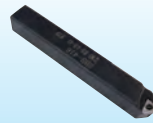
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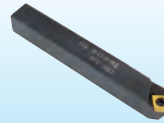
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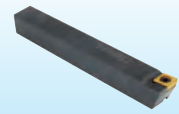
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P.G-5 - 17300



P.G-6 - 17315



P.G-6 - 17380



P.G-7- 17400



P.G-8 - 17420



P.G-10 - 17500



P.G-12 - 17500BG



P.G-13 - 27900



P.G-14 - 47500



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P.G-17 - 19570



P.G-18 - 17550



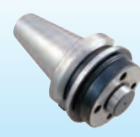
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P.G-20 - 19500



P.G-22 - 17680



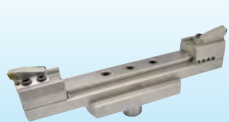
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P.G-24 - 82600



P.G-25 - 19530



P.G-26 - 19560



P.G-27 - 82704



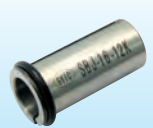
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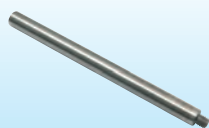
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P.G-29 - 82790



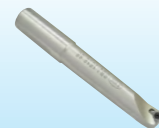
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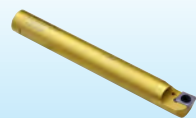
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P.G-32 - 82700



P.G-33 - 17690



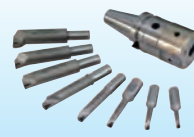
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P.G-34 - 82550



P.G-35 - 17670



P.G-35 - 17670



P.H-2 - 00100



P.H-3 - 19000



P.H-10 - 29000



P.H-14 - 49100



P.H-22 - 39080



P.H-28 - 39000-E



P.H-34 - 39100-F



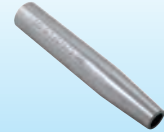
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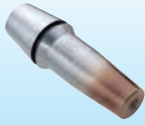
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P.H-42 - 09250



P.J-2 - 17800



P.J-3 - 21000



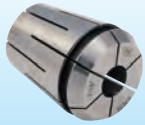
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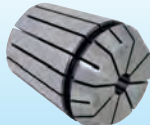
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P.J-6 - 04540



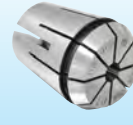
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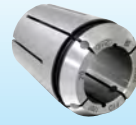
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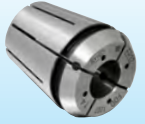
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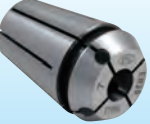
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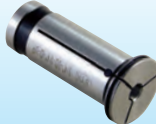
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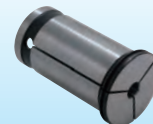
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P.J-19 - 19460



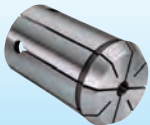
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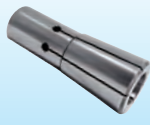
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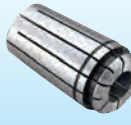
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P.J-21 - 18851



P.J-22 - 84000



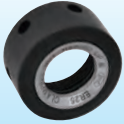
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P.J-25 - 04500P



P.J-26 - 08680P



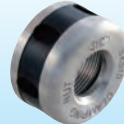
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P.J-27 - 206.130



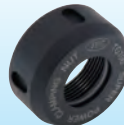
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P.J-28 - 84012P



P.J-29 - 19490G



P.J-29



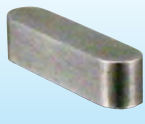
P.G-30 - 30030



P.G-30 - 30050



P.G-31 - 42830



P.G-31 - 42830



P.G-31 - 42860



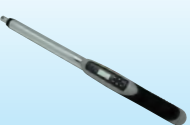
P.G-31 - 42880



P.J-32 - 04570



P.J-33 - 04545



P.J-33 - 04580



P.J-34 - 04600



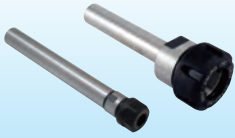
P.J-35 - 83690



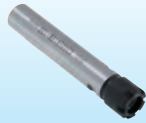
P.J-36 - 04760



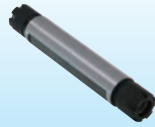
P.J-37 - 04800



P.J-38 - 04860



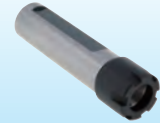
P.J-39 - 05150



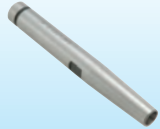
P.J-40 - 05200



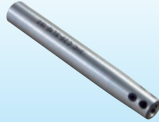
P.J-41 - 05260



P.J-42 - 06000



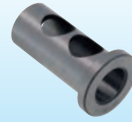
P.J-43 - 07100



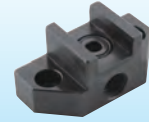
P.J-44 - 17730



P.J-45 - 18050



P.J-45 - 18290



P.J-46 - 83700



P.J-46 - 83720



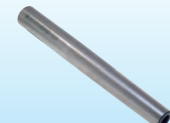
P.J-47 - 83740



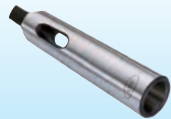
P.J-47 - 83740



P.J-48 - 83780



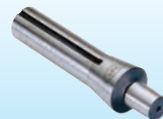
P.J-49 - 81000



P.J-49 - 81400



P.J-50 - 81500



P.J-50 - 83640



P.J-51 - 82010



P.J-51 - 82015



P.J-52 - 82040



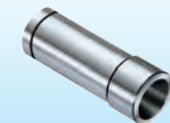
P.J-52 - 82060



P.J-53 - 82150



P.J-54 - 84130



P.J-54 - 84140



P.J-55 - 83300



P.J-56 - 83310



P.J-57 - 83350



P.J-58 - 86400



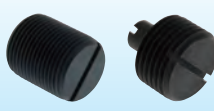
P.J-59 - 19190



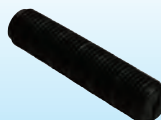
P.J-59 - 16080C



P.J-59 - 16080



P.J-59 - 15945



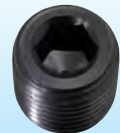
P.J-60 - WF



P.J-61 - FMC



P.J-61



P.J-62 - 17905



P.J-62 - 17906



P.J-63 - 17909-J



P.J-63 - 17908



P.J-64 - 17910



P.J-65 - 301



P.J-65 - 17850



P.J-66 - 17870



P.J-66 - 17880



P.J-66 - 17890



P.J-66 - 17850



P.J-67 - 400



P.J-68 - 19988



P.J-68 - 19984



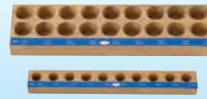
P.J-69 - 19989



P.J-69 - 17700



P.J-70 - 04280



P.J-71 - 04251



P.J-71 - 04251



P.J-71 - 04251



P.K-2 - 04200



P.K-3 - 04900



P.K-3 - 04900



P.K-4 - 05000



P.K-4 - 05000



P.K-5 - 83800



P.K-5 - 83800



P.K-6 - 83920



P.K-7 - 84070



P.K-7 - 84070



P.K-8 - 85900



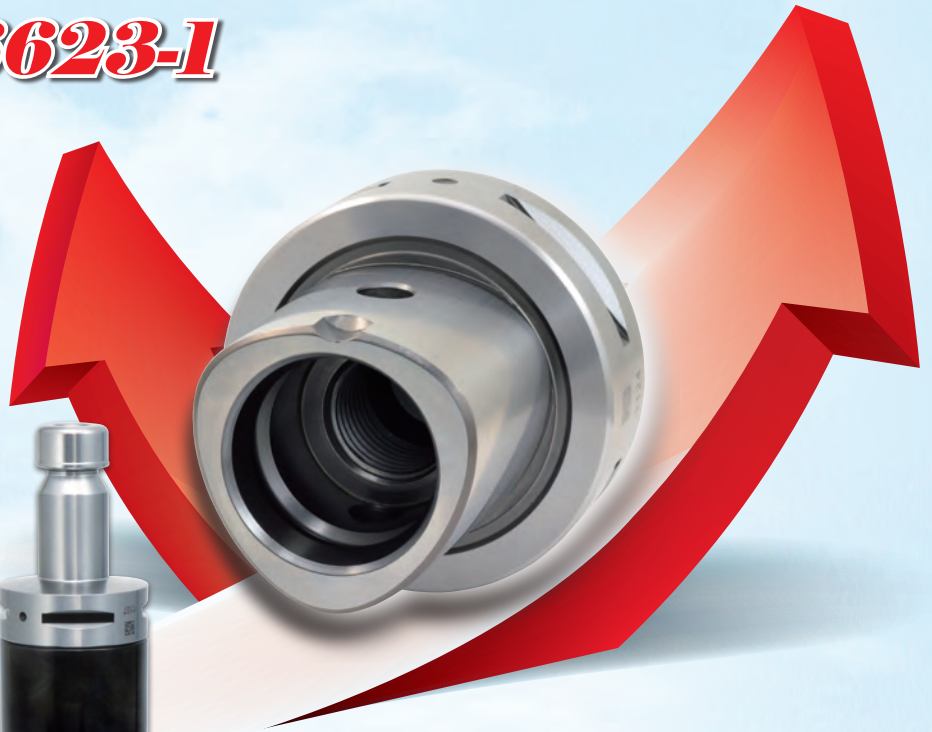
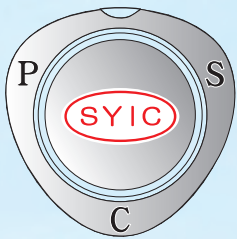
PSC



台灣精品2012
TAIWAN EXCELLENCE

POLYGONAL TAPER TOOL HOLDERS ISO 26623-1

NO.37

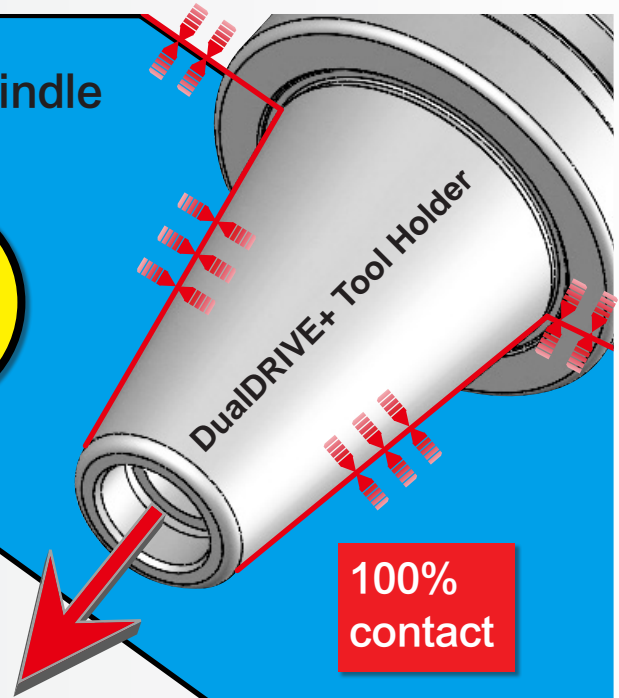


DualDRIVE+ SYSTEM

DualDRIVE+ Spindle

Features:

1. DualDRIVE+ tool holders can be used for regular spindles and double face contact spindles. The latter can reach 100% contact.
2. DualDRIVE+ increases rigidity and decreases vibration, improving the machining capacity a lot.
3. Increases the surface processing precision of workpiece and extends tool's life.
4. The surface roughness of workpiece will be improved.
5. Material: SNCM-420.
6. Taper Tolerance: < AT3.
7. Roundness: < 0.6 μ .
8. Surface roughness: Ra < 0.25 μ m.

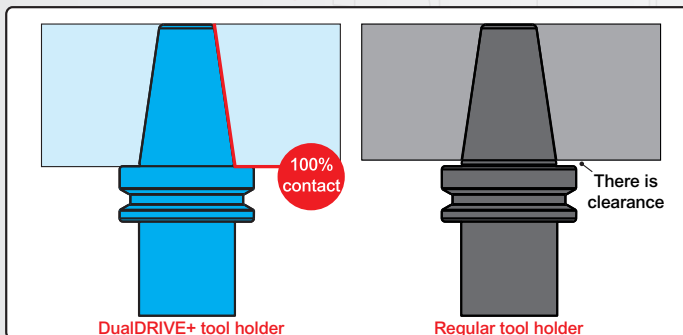


TYPE DESIGNATION OF DualDRIVE+ SYSTEM:

- BT (regular) → SBT (DualDRIVE+)
- CAT (regular) → SCAT (DualDRIVE+)
- DAT (regular) → SDAT (DualDRIVE+)

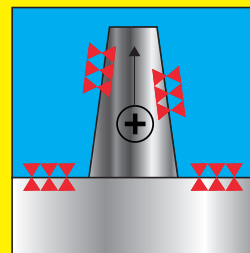
 DualDRIVE+ SPINDLE
=Extended Interface Spindle

REGULAR SPINDLE

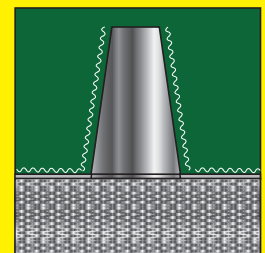


COMPARISON

DualDRIVE+ TYPE



STANDARD TYPE



● Please refer to NO.38 catalog for further information.

MILLING CUTTER SERIES

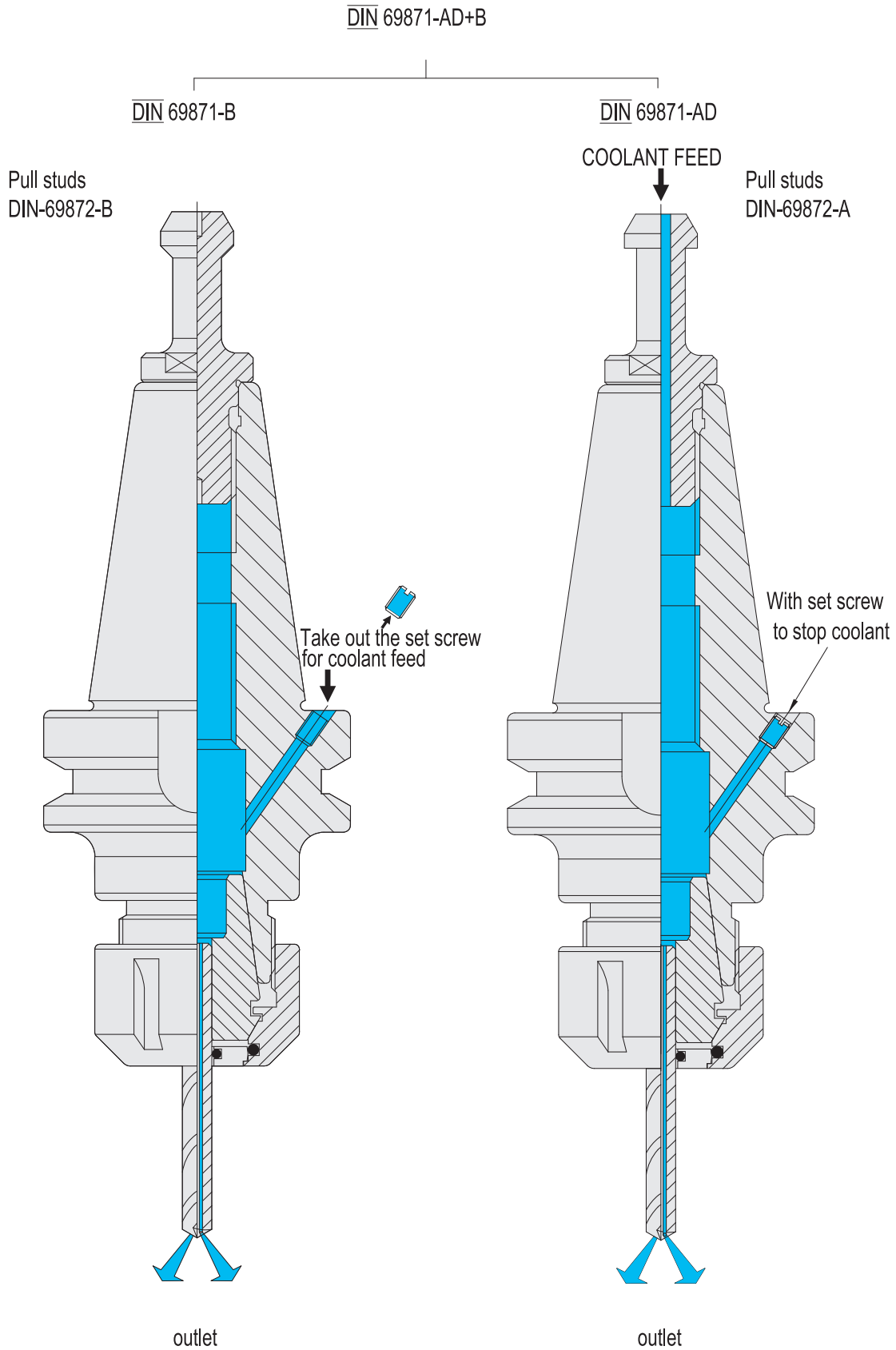
NO.42



ANGLE HEAD HOLDERS

NO.40





- We also manufacture AD+B tool holders. For more information, please make a reference to NO. 28 catalog.

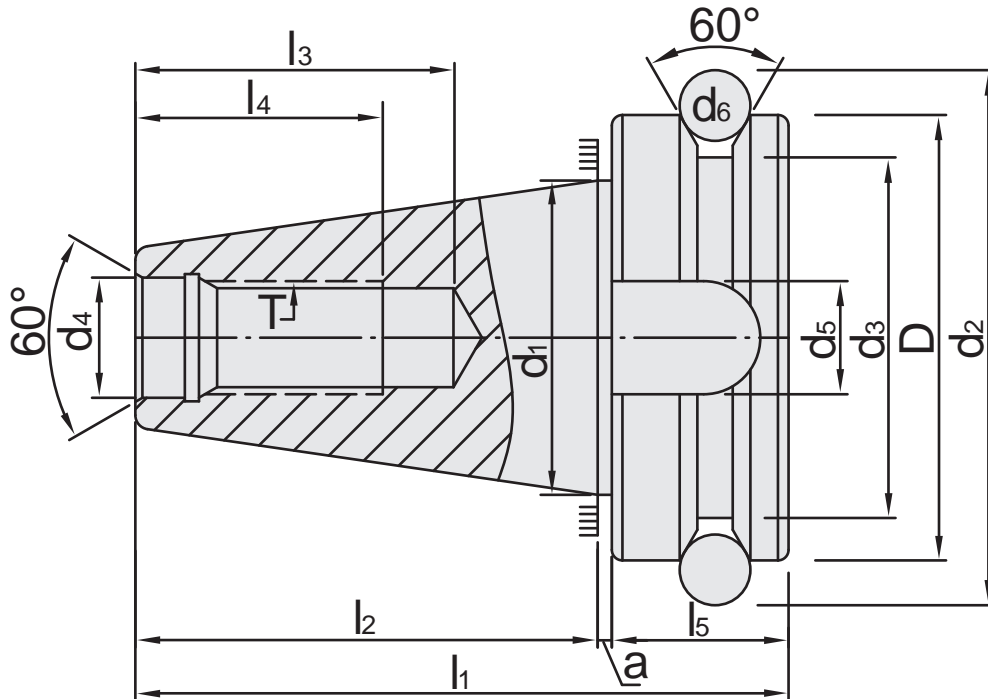


MAS 403

BT TOOL HOLDER SYSTEM

15900G	BT / MLD MULTI - LOCK MILLING CHUCK	A-3,A-4
16000	BT / EOC COLLET CHUCK	A-5
16060	BT / TG COLLET CHUCK	A-6
16100	BT / ER COLLET CHUCK	A-7~A-9
16300	BT / ER COLLET CHUCK M TYPE	A-10,A-11
16350	BT / COMBI SHELL END MILL ARBOR	A-12
16420	BT / SPH DRILL CHUCK ADAPTER INTEGRATED TYPE	A-13
16450	BT / SPU DRILL CHUCK ADAPTER	A-14
16500	BT DRILL CHUCK ARBOR	A-15
16600	BT FACE MILL ARBOR	A-16~A-20
11.660	BT / SMA FACE MILL ARBOR	A-21
17000	BT MORSE TAPER ADAPTER	A-22,A-23
17060	BT SIDE CUTTER ADAPTER	A-24
17100	BT / SLN SIDE LOCK END MILL HOLDER	A-25~A-28
17710	QUICK CHANGE TAPPING CHUCK	A-29
18000	BT / SIDE LOCK OIL HOLE HOLDER	A-30
18200	BT / ER OIL HOLE COLLET CHUCK	A-31
18330	BT / SKS COLLET CHUCK	A-33,A-34
18850	BT / SBL SLIM-FIT COLLET CHUCK	A-37
18700	BT EXPANSION ER TAPPER	A-38
19200	BT / SOM SCREWED END MILL HOLDER	A-39
19700	BT ADAPTER	A-40





MAS BT SHANK SPECIFICATION

Taper within precision is AT3.

TYPE	D _{h8}	d ₁	d ₂	d ₃	d ₄ _{H8}	d ₅ _{H12}	d ₆	l ₁	l ₂ _{±0.2}	l ₃ _{MIN}	l ₄ _{MIN}	l ₅	a _{±0.4}	T _{6H}
BT30	46	31.75	56.14	38	12.5	16.1	8	70.4	48.4	34	24	20	2	M12 x 1.75P
BT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	70	30	25	2	M16 x 2.0P
BT50	100	69.85	119.02	83	25	25.7	15	139.8	101.8	90	45	35	3	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.
6. The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard : JIS MAS 403



STRAIGHT COLLET BT / MLD MULTI - LOCK MILLING CHUCK

BT

CAT

DATA

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

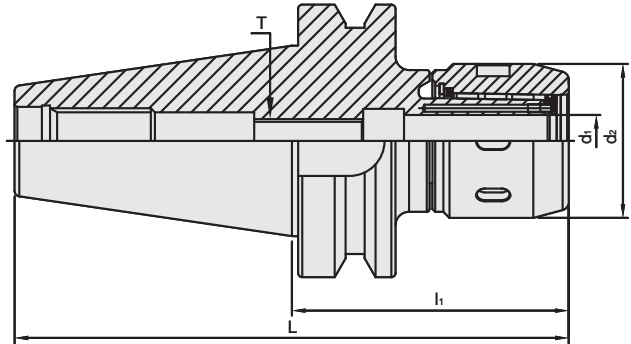
TECHNICAL INFO.

SYIC-15900G

BT / MLD 直式筒夾 銑床夾頭



T W PAT NO. M447277
T W PAT NO. M430337

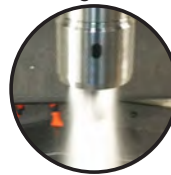


- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- The design of coolant grooves improves the cooling and metal chips removal capability.

MODEL NO.	TYPE	L	l ₁	T	d ₁	d ₂	WEIGHT (KGS)
SYIC - 15902G	BT30 x MLD20 - 80	128.4	80	M12 x 1.75P	20	56.5	1.9
SYIC - 15904G	BT30 x MLD20 - 90	138.4	90	M16 x 2.0P			2.1
SYIC - 15908G	BT30 x MLD25 - 90	128.4			80	M16 x 2.0P	25
SYIC - 15912G	BT40 x MLD20 - 80	145.4	20	56.5			2.5
SYIC - 15914G	BT40 x MLD20 - 100	165.4	100	25	60	2.8	
SYIC - 15916G	BT40 x MLD20 - 135	200.4	135			M16 x 2.0P	25
SYIC - 15918G	BT40 x MLD25 - 85	149.4	85	32	71		
SYIC - 15920G	BT40 x MLD25 - 100	165.4	100			20	56.5
SYIC - 15922G	BT40 x MLD32 - 95	160.4	95	M16 x 2.0P	25		
SYIC - 15924G	BT40 x MLD32 - 105	170.4	105			M16 x 2.0P	25
SYIC - 15926G	BT40 x MLD32 - 135	200.4	135	M16 x 2.0P	25		
SYIC - 15928G	BT50 x MLD20 - 105	206.8	105			M24 x 3.0P	32
SYIC - 15930G	BT50 x MLD25 - 100	201.8	100	M24 x 3.0P	42		
SYIC - 15932G	BT50 x MLD25 - 130	231.8	130				
SYIC - 15934G	BT50 x MLD32 - 135	236.8	135				
SYIC - 15936G	BT50 x MLD32 - 105	206.8	105				
SYIC - 15938G	BT50 x MLD32 - 165	266.8	165				
SYIC - 15940G	BT50 x MLD42 - 115	216.8	115				
SYIC - 15942G	BT50 x MLD42 - 130	225.8	130				
SYIC - 15944G	BT50 x MLD42 - 165	260.8	165				

Standard Accessory: • NUT • PRESET SCREW

Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	PULL STUD	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-2	P.J-59



**STRAIGHT COLLET
BT / MLD MULTI - LOCK MILLING CHUCK**

SYIC-15900G

BT / MLD 直式筒夾 銑床夾頭

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

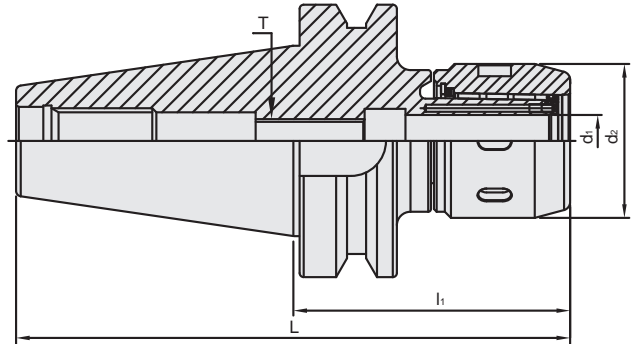
ACCESSORIES

KIT

TECHNICAL INFO.



T W PAT NO. M447277
T W PAT NO. M430337



- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.



- The design of coolant grooves improves the cooling and metal chips removal capability.

INCHES

MODEL NO.	TYPE	L	l ₁	T	d ₁	d ₂	WEIGHT (KGS)
SYIC - 15991G	BT30xMLD3/4" - 3.54"	5.449	3.543	M12x1.75P	0.750	2.244	1.9
SYIC - 15992G	BT30xMLD1" - 3.54"	5.060	3.540	M16x2.0P	25.40	2.360	
SYIC - 15994G	BT40xMLD3/4" - 3.15"	5.724	3.150		0.750	2.244	2.1
SYIC - 15995G	BT40xMLD1" - 3.35"	5.524	3.350		25.40	2.360	
SYIC - 15996G	BT40xMLD1 - 1/4" - 4"	6.575	4.000		1.250	2.795	2.2
SYIC - 15997G	BT50xMLD3/4" - 4"	8.008			0.750	2.244	2.3
SYIC - 15998G	BT50xMLD1" - 4.13"	8.140	4.130		25.40	2.360	
SYIC - 15998G-5.12	BT50xMLD1"-5.12"	9.126	5.120				
SYIC - 15999G	BT50xMLD1 - 1/4" - 4"	8.008	4.000	M24x3.0P	1.250	2.795	2.5

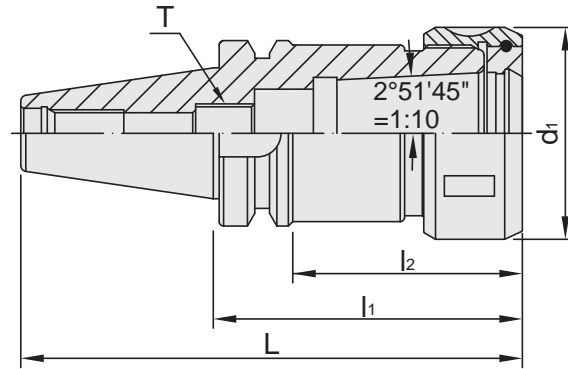
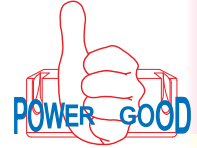
Standard Accessory: • NUT • PRESET SCREW
Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	PULL STUD	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-2	P.J-59

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 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, Power Good Nuts could be purchased separately for combination.

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16001	BT30 x EOC25 - 70	118.4	70	48	60	M12 x 1.75P	3.0 ~ 25	1.00
SYIC - 16021	BT40 x EOC25 - 70	135.4	70	40	60	M16 x 2.0P	3.0 ~ 25	1.38
SYIC - 16023	BT40 x EOC25 - 100	165.4	100	70				1.74
SYIC - 16026	BT40 x EOC25 - 120	185.4	120	86	72	M20 x 2.0P	4.0 ~ 32	1.74
SYIC - 16027	BT40 x EOC32 - 90	155.4	90	63				2.00
SYIC - 16029	BT40 x EOC32 - 105	170.4	105	78	72	M20 x 2.0P	4.0 ~ 32	2.20
SYIC - 16031	BT40 x EOC32 - 120	185.4	120	93				2.45
SYIC - 16041	BT50 x EOC25 - 85	186.8	85	44	60	M16 x 2.0P	3.0 ~ 25	4.40
SYIC - 16043	BT50 x EOC25 - 100	201.8	100	59				4.80
SYIC - 16046	BT50 x EOC25 - 120	221.8	120	77				5.20
SYIC - 16047	BT50 x EOC32 - 90	191.8	90	44	72	M24 x 2.0P	4.0 ~ 32	4.60
SYIC - 16049	BT50 x EOC32 - 105	206.8	105	59				4.85
SYIC - 16051	BT50 x EOC32 - 120	221.8	120	74				5.35

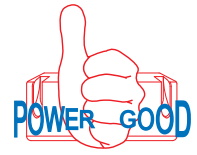
Standard Accessory: ● STANDARD NUT

Option

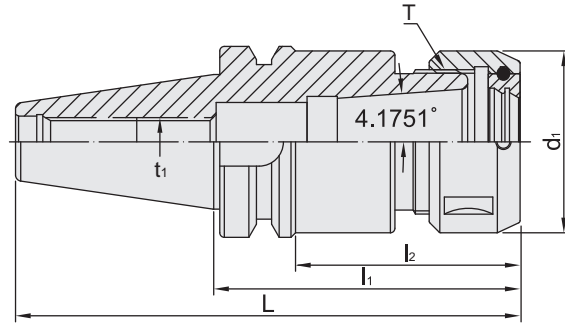
COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-20	P.J-28	P.J-34	P.J-2	P.J-59

SYIC-16060

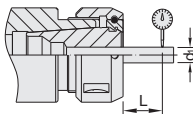
BT / TG 立銑刀夾頭



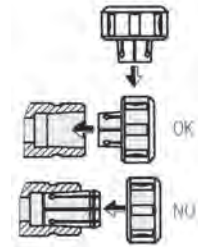
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 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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



- 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.



★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.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	SIZE RANGE	t ₁	T	WEIGHT (KGS)
SYIC - 16056	BT30 x TG75 - 70	118.4	47	50	3.0 ~ 16	M16 x 2.0P	TW 1-1/2" - 12	1.10
SYIC - 16058	BT30 x TG75 - 100	148.4	77					1.15
SYIC - 16060	BT30 x TG100 - 100	148.4	78	60	3.0 ~ 25	-	TW 1-7/8" - 12	1.20
SYIC - 16068	BT40 x TG100 - 70	135.4	43					1.20
SYIC - 16070	BT40 x TG100 - 100	165.4	73	60	3.0 ~ 25	M16 x 2.0P	TW 1-7/8" - 12	1.90
SYIC - 16072	BT40 x TG100 - 120	185.4	93					2.40
SYIC - 16074	BT40 x TG150 - 105	170.4	78	82	4.0 ~ 38	M24 x 2.0P	TW 2-5/8" - 12	2.70
SYIC - 16076	BT40 x TG150 - 120	185.4	93					2.90
SYIC - 16078	BT40 x TG150 - 135	200.4	108	60	3.0 ~ 25	M24 x 2.0P	TW 1-7/8" - 12	3.20
SYIC - 16088	BT50 x TG100 - 85	186.8	44					3.40
SYIC - 16090	BT50 x TG100 - 100	201.8	57	60	3.0 ~ 25	M24 x 2.0P	TW 1-7/8" - 12	4.40
SYIC - 16092	BT50 x TG100 - 120	221.8	77					5.10
SYIC - 16094	BT50 x TG150 - 90	191.8	50	82	4.0 ~ 38	M24 x 2.0P	TW 2-5/8" - 12	5.70
SYIC - 16096	BT50 x TG150 - 105	206.8	64					6.10
SYIC - 16098	BT50 x TG150 - 120	221.8	79	6.50				

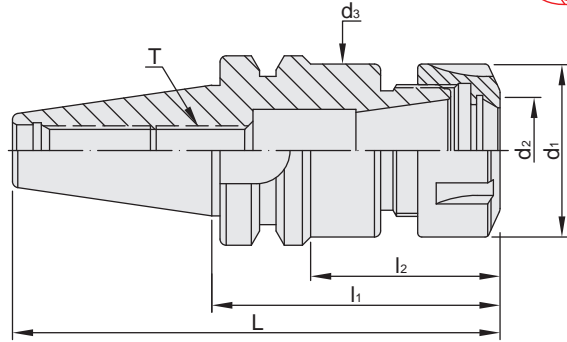
Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-22	P.J-28	P.J-35	P.J-2	P.J-59

SYIC-16100

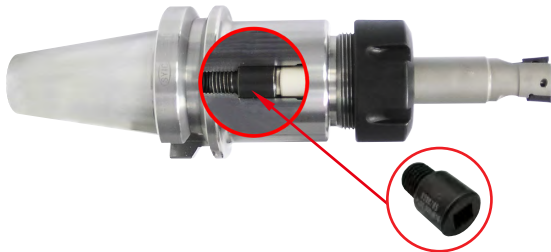
BT / ER 立銑刀夾頭

DIN ISO 15488



- Thread with precise grinding.
- 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.

More options:



PowerLOC Square Shank Adapter

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16101 - 50	BT30 x ER16A - 50	98.4	27	28	16	25.1	M10 x 1.5P	1.0 ~ 10	0.45
SYIC - 16101	BT30 x ER16A - 70	118.4	40			0.55			
SYIC - 16102	BT30 x ER16A - 60	108.4	35			28			0.60
SYIC - 16104	BT30 x ER16A - 100	148.4	70			0.70			
SYIC - 16105	BT30 x ER16A - 120	168.4	93			0.78			
SYIC - 16106 - 50	BT30 x ER20A - 50	98.4	28	34	20	-	M12 x 1.75P	1.0 ~ 13	0.48
SYIC - 16106	BT30 x ER20A - 70	118.4	45			34			0.62
SYIC - 16107	BT30 x ER20A - 135	183.4	110			1.10			
SYIC - 16109	BT30 x ER25 - 70	118.4	46	42	25	42	M16 x 2.0P	1.0 ~ 16	0.70
SYIC - 16111	BT30 x ER25 - 135	183.4	111						1.45
SYIC - 16113	BT30 x ER32 - 70	118.4	48	50	32	45	M16 x 2.0P	2.0 ~ 20	0.70
SYIC - 16114	BT30 x ER32 - 100	148.4	78						1.00
SYIC - 16115	BT30 x ER40 - 80	128.4	58	63	40	53		3.0 ~ 26	1.10

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-2	P.J-59	P.J-29

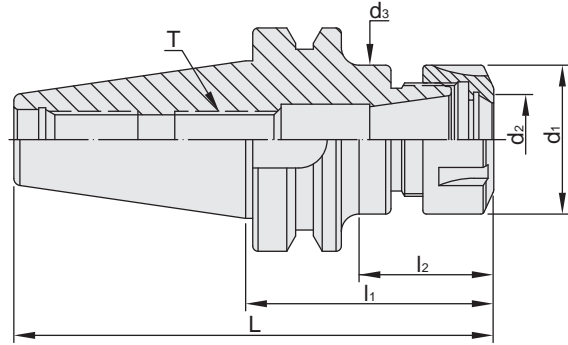
SYIC-16150

BT / ER 立銑刀夾頭

DIN ISO 15488



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Can clamp straight cutting tools.
- 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.

More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16151	BT40 x ER16A - 70	135.4	40	28	16	28	M10 x 1.5P	1.0 ~ 10	1.20
SYIC - 16153	BT40 x ER16A - 100	165.4	63						1.30
SYIC - 16155	BT40 x ER16A - 125	190.4	88						1.36
SYIC - 16157	BT40 x ER16A - 150	215.4	113						1.54
SYIC - 16158	BT40 x ER16A - 180	245.4	143	34	20	34	M12 x 1.75P	1.0 ~ 13	2.00
SYIC - 16159	BT40 x ER20A - 70	135.4	40						1.20
SYIC - 16162	BT40 x ER20A - 100	165.4	63						1.80
SYIC - 16165	BT40 x ER20A - 135	200.4	98						1.70
SYIC - 16167	BT40 x ER20A - 150	215.4	113	42	25	42	M16 x 2.0P	1.0 ~ 16	1.80
SYIC - 16169	BT40 x ER25 - 70	135.4	40						1.30
SYIC - 16171	BT40 x ER25 - 100	165.4	70						1.50
SYIC - 16173	BT40 x ER25 - 125	190.4	95						1.80
SYIC - 16175	BT40 x ER25 - 150	215.4	115	50	32	45	-	2.0 ~ 20	2.10
SYIC - 16177	BT40 x ER32 - 70	135.4	40						1.30
SYIC - 16179	BT40 x ER32 - 100	165.4	70						1.70
SYIC - 16181	BT40 x ER32 - 150	215.4	118						2.50
SYIC - 16183	BT40 x ER40 - 80	145.4	53	63	40	60	M20 x 2.0P	3.0 ~ 26	1.50
SYIC - 16185	BT40 x ER40 - 100	165.4	73						2.00
SYIC - 16187	BT40 x ER40 - 120	185.4	93						2.50
SYIC - 16189	BT40 x ER40 - 150	215.4	123						3.10
SYIC - 16191	BT40 x ER50 - 85	150.4	58	78	50	60	M24 x 2.0P	5.0 ~ 34	1.70
SYIC - 16193	BT40 x ER50 - 100	165.4	73						2.10

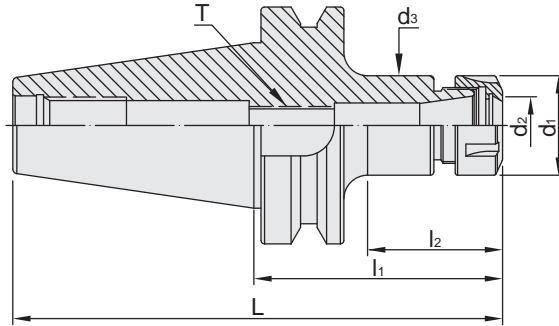
Standard Accessory: • STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-2	P.J-59	P.J-29

SYIC-16250

BT / ER 立銑刀夾頭

DIN ISO 15488



- Can clamp straight cutting tools.
- 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.

More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)					
SYIC - 16251	BT50 x ER16A - 70	171.8	29	28	16	28	M10 x 1.5P	1.0 ~ 10	4.05					
SYIC - 16252	BT50 x ER16A - 90	191.8	47						4.20					
SYIC - 16253	BT50 x ER16A - 105	206.8	57						4.30					
SYIC - 16254	BT50 x ER16A - 135	236.8	87						4.40					
SYIC - 16255	BT50 x ER16A - 150	251.8	102						4.50					
SYIC - 16259	BT50 x ER16A - 165	266.8	117						4.50					
SYIC - 16261	BT50 x ER20A - 70	171.8	29	34	20	34	M12 x 1.75P	1.0 ~ 13	4.20					
SYIC - 16263	BT50 x ER20A - 90	191.8	47						4.25					
SYIC - 16265	BT50 x ER20A - 105	206.8	57						4.30					
SYIC - 16267	BT50 x ER20A - 135	236.8	87						4.55					
SYIC - 16269	BT50 x ER20A - 150	251.8	102						4.70					
SYIC - 16271	BT50 x ER20A - 165	266.8	117						4.80					
SYIC - 16272	BT50 x ER20A - 200	301.8	152	42	25	42	M16 x 2.0P	1.0 ~ 16	4.90					
SYIC - 16273	BT50 x ER25 - 70	171.8	29						4.20					
SYIC - 16275	BT50 x ER25 - 105	206.8	57						4.40					
SYIC - 16277	BT50 x ER25 - 135	236.8	87						4.70					
SYIC - 16279	BT50 x ER25 - 165	266.8	117						5.00					
SYIC - 16281	BT50 x ER32 - 80	181.8	39						50	32	50	M20 x 2.0P	2.0 ~ 20	4.70
SYIC - 16282	BT50 x ER32 - 100	201.8	57	4.80										
SYIC - 16283	BT50 x ER32 - 120	221.8	72	4.70										
SYIC - 16284	BT50 x ER32 - 150	251.8	102	5.30										
SYIC - 16284 - 200	BT50 x ER32 - 200	301.8	152	5.50										
SYIC - 16285	BT50 x ER40 - 80	181.8	39	63	40	63	M24 x 2.0P	3.0 ~ 26						4.30
SYIC - 16286	BT50 x ER40 - 100	201.8	57						4.64					
SYIC - 16287	BT50 x ER40 - 120	221.8	72						5.10					
SYIC - 16289	BT50 x ER40 - 135	236.8	87						5.50					
SYIC - 16291	BT50 x ER50 - 90	191.8	49						78	50	78	M24 x 2.0P	5.0 ~ 34	4.60
SYIC - 16293	BT50 x ER50 - 120	221.8	79											5.50
SYIC - 16295	BT50 x ER50 - 165	266.8	124	6.10										

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-2	P.J-59	P.J-29

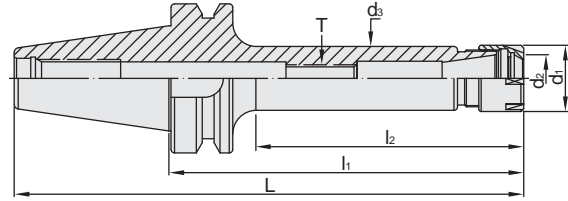
SYIC-16300

M 型 BT / ER 立銑刀夾頭

DIN ISO 15488



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- 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.

More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

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	40	16	11	15	M6 x 1.0P	1.0 ~ 7.0	0.50
SYIC - 16304	BT30 x ER11M - 100	148.4	70						0.60
SYIC - 16306	BT30 x ER11M - 120	168.4	88						0.70
SYIC - 16308	BT30 x ER16M - 70	118.4	43	22	16	21	M10 x 1.5P	1.0 ~ 10	0.55
SYIC - 16310	BT30 x ER16M - 100	148.4	68						0.56
SYIC - 16312	BT30 x ER16M - 120	168.4	88						0.75
SYIC - 16313	BT30 x ER20M - 70	118.4	45	28	20	27	M12 x 1.75P	1.0 ~ 13	0.65
SYIC - 16314	BT30 x ER20M - 100	148.4	71						0.70
SYIC - 16316	BT30 x ER20M - 120	168.4	91						0.80
SYIC - 16318	BT30 x ER20M - 150	198.4	121						1.00
SYIC - 16321	BT40 x ER11M - 70	135.4	33	16	11	15	M6 x 1.0P	1.0 ~ 7.0	1.10
SYIC - 16322	BT40 x ER11M - 100	165.4	63						1.10
SYIC - 16323	BT40 x ER11M - 125	190.4	88						1.12
SYIC - 16324	BT40 x ER11M - 150	215.4	113						1.20
SYIC - 16325	BT40 x ER16M - 70	135.4	38	22	16	21	M10 x 1.5P	1.0 ~ 10	1.10
SYIC - 16326	BT40 x ER16M - 100	165.4	63						1.16
SYIC - 16327	BT40 x ER16M - 125	190.4	88						1.20
SYIC - 16328	BT40 x ER16M - 150	215.4	113						1.30
SYIC - 16329	BT40 x ER20M - 70	135.4	38	28	20	27	M12 x 1.75P	1.0 ~ 13	1.20
SYIC - 16330	BT40 x ER20M - 100	165.4	63						1.25
SYIC - 16331	BT40 x ER20M - 125	190.4	88						1.30
SYIC - 16332	BT40 x ER20M - 150	215.4	113						1.45

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-2	P.J-59	P.J-29



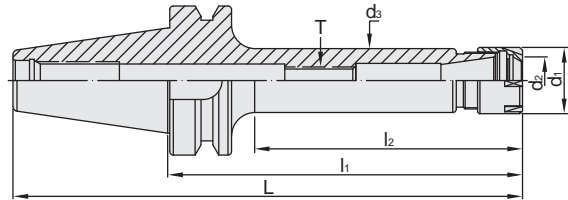
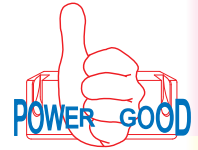
BT / ER COLLET CHUCK M TYPE

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SYIC-16300

M 型 BT / ER 立銑刀夾頭

DIN ISO 15488



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More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

- 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.

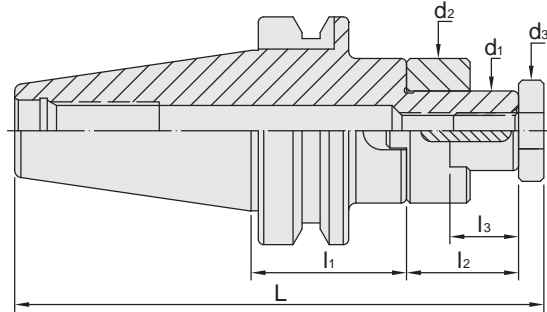
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 16334	BT50 x ER11M - 70	171.8	22	16	11	15	M6 x 1.0P	1.0 ~ 7.0	3.8
SYIC - 16335	BT50 x ER11M - 90	191.8	42						3.9
SYIC - 16336	BT50 x ER11M - 105	206.8	57						4.0
SYIC - 16337	BT50 x ER11M - 135	236.8	87						4.1
SYIC - 16338	BT50 x ER11M - 165	266.8	92						4.2
SYIC - 16339	BT50 x ER16M - 70	171.8	29	22	16	21	M10 x 1.5P	1.0 ~ 10	3.9
SYIC - 16340	BT50 x ER16M - 90	191.8	42						4.0
SYIC - 16341	BT50 x ER16M - 105	206.8	57						4.1
SYIC - 16342	BT50 x ER16M - 135	236.8	87						4.2
SYIC - 16343	BT50 x ER16M - 165	266.8	117						4.3
SYIC - 16344	BT50 x ER20M - 90	191.8	42	28	20	27	M12 x 1.75P	1.0 ~ 13	4.1
SYIC - 16345	BT50 x ER20M - 105	206.8	57						4.2
SYIC - 16346	BT50 x ER20M - 135	236.8	87						4.4
SYIC - 16347	BT50 x ER20M - 165	266.8	117						4.6

Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-2	P.J-59	P.J-29

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	1.3
SYIC - 16364	BT40 x CSR22 - 55	146.4	31	19	40	28	1.6
SYIC - 16366	BT40 x CSR27 - 55	149.4	33	21	48	35	1.9
SYIC - 16368	BT40 x CSR32 - 60	158.4	38	24	58	42	2.4
SYIC - 16370	BT40 x CSR40 - 60	162.4	41	27	70	52	3.4
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	208.8	41	27	70	52	5.2
SYIC - 16384	BT50 x CSR50 - 75	218.8	46	30	90	63	5.4

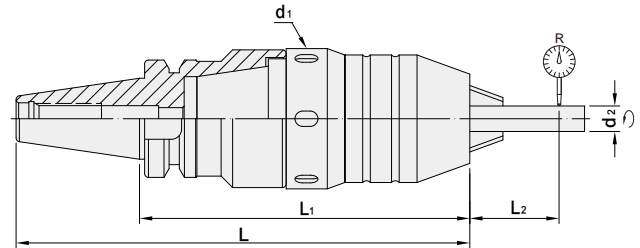
Standard Accessory: • KEY • REMOVABLE RING • NUT • SPANNER

Option

KEY	REMOVABLE RING	NUT	SPANNER	PULL STUD
P.J-31	P.J-31	P.J-31	P.J-31	P.J-2

SYIC-16420

BT / SPH 直結式鑽夾頭



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 ₂	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 16420	BT30 x SPH8 - 115	163.4	55	42	6	0.04	2.18
SYIC - 16422	BT30 x SPH13 - 130	178.4	75	54	8		2.45
SYIC - 16430	BT40 x SPH8 - 90	155.4	55	42	6		2.45
SYIC - 16432	BT40 x SPH13 - 105	170.4	75	54	8		2.33
SYIC - 16434	BT40 x SPH13 - 120	185.4					2.63
SYIC - 16440	BT50 x SPH8 - 100	201.8	55	42	6		4.93
SYIC - 16442	BT50 x SPH13 - 115	216.8	75	54	8		5.13
SYIC - 16444	BT50 x SPH13 - 135	236.8					5.43
SYIC - 16446	BT50 x SPH13 - 150	251.8					5.73
SYIC - 16448	BT50 x SPH16 - 128	229.8	80	62	10		5.93

Standard Accessory: ● SPANNER

Option

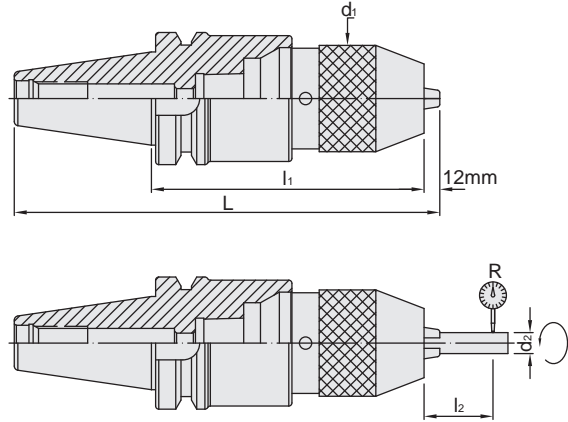
PULL STUD



P.J-3

SYIC-16450

BT / SPU 直結式鑽夾頭



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		1.60
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		2.20
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	57	16		5.80
SYIC - 16480	BT50 x SPU16 - 105	218.8	105	80				5.03
SYIC - 16481	BT50 x SPU16 - 190	303.8	190	80				6.00

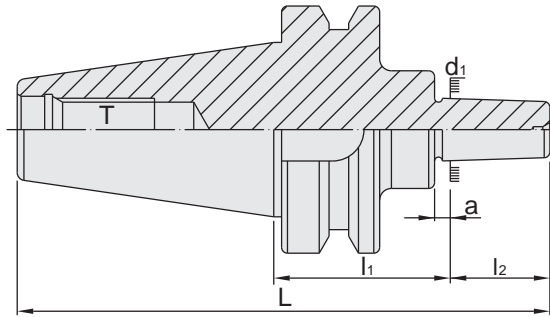
Standard Accessory: • SPANNER

Option

SPANNER	PULL STUD
P.J-35	P.J-2

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.

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	0.60	
SYIC - 16504	BT30 x JTA33 - 45	118.8	25.4	15.85			0.75	
SYIC - 16506	BT30 x JTA6 - 45	118.8	25.4	17.17			0.60	
SYIC - 16522	BT40 x JTA2 - 45	136.625	22.225	14.199		M16 x 2.0P	1.30	
SYIC - 16523	BT40 x JTA33 - 45	135.8	25.4	15.85			1.30	
SYIC - 16524	BT40 x JTA6 - 45	135.8	25.4	17.17			1.20	
SYIC - 16525	BT40 x JTA6 - 105	195.8	25.4	17.17			1.65	
SYIC - 16542	BT50 x JTA2 - 45	169.025	22.225	14.199			M24 x 3.0P	4.10
SYIC - 16543	BT50 x JTA33 - 45	172.2	25.4	15.85				4.00
SYIC - 16544	BT50 x JTA6 - 45	172.2	25.4	17.17		4.20		
SYIC - 16545	BT50 x JTA6 - 105	232.2	25.4	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			1.80	
SYIC - 16592	BT50 x B10 - 45	161.3	14.5	10.094	3	M24 x 3.0P	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		

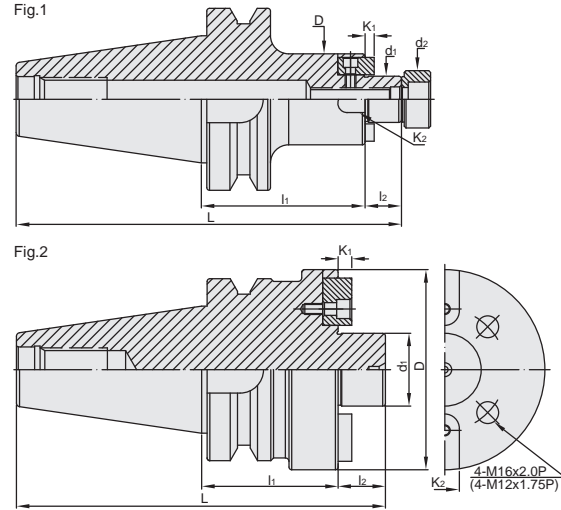
Option

PULL STUD	KEYLESS DRILL CHUCK
P.J-2	P.J-53

SYIC-16600



BT 平面銑刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper: within 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

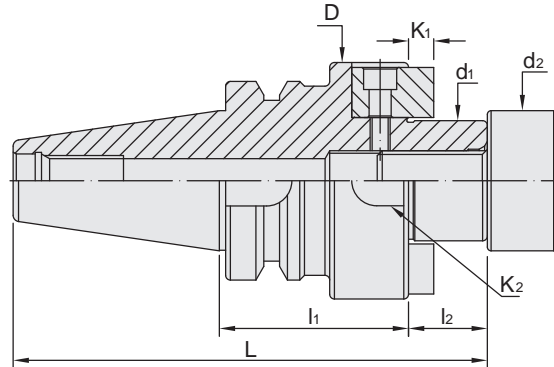
MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
SYIC - 16612	BT30 x FMA25.4 - 45	113.4	45	20	50	25.4	31.5	4.52	9.52	1	1.00
SYIC - 16613	BT30 x FMA25.4 - 60	128.4	60								1.30
SYIC - 16614	BT30 x FMA31.75 - 45	115.4	45	22	60	31.75	41	6.7	12.7		1.20
SYIC - 16614 - 50	BT30 x FMA31.75 - 50	120.4	50								1.21
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								1.45
SYIC - 16617	BT40 x FMA25.4 - 90	175.4	90								2.10
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		1.70
SYIC - 16620	BT40 x FMA31.75 - 75	162.4	75								2.70
SYIC - 16621	BT40 x FMA31.75 - 90	177.4	90								2.65
SYIC - 16626	BT40 x FMA38.1 - 60	150.4	60	25	75	38.1	44.5	8.87	15.87		2.25
SYIC - 16627	BT40 x FMA50.8 - 60	161.4	60	36	98	50.8	65	9.75	19.05	2.25	
SYIC - 16639	BT50 x FMA25.4 - 45	166.8	45	20	50	25.4	31.5	4.52	9.52	2	4.40
SYIC - 16640	BT50 x FMA25.4 - 90	211.8	90								5.10
SYIC - 16641	BT50 x FMA25.4 - 150	271.8	150	22	60	31.75	41	6.2	12.7		6.10
SYIC - 16642	BT50 x FMA31.75 - 45	168.8	45								4.50
SYIC - 16643	BT50 x FMA31.75 - 75	198.8	75	25	80	38.1	44.5	8.87	15.87		5.70
SYIC - 16644	BT50 x FMA31.75 - 105	228.8	105								5.70
SYIC - 16645	BT50 x FMA38.1 - 45	171.8	45	36	98	50.8	65	9.75	19.05		5.20
SYIC - 16646	BT50 x FMA38.1 - 75	210.8	75								6.00
SYIC - 16647	BT50 x FMA50.8 - 45	182.8	45	32	128.75	47.62	-	12.5	25.4		5.70
SYIC - 16648	BT50 x FMA50.8 - 75	212.8	75								6.80
SYIC - 16649	BT50 x FMA47.62 - 75	208.8	75								7.90

Option

PULL STUD	SCREW
P.J-2	P.J-61

SYIC-16650

BT 平面銑刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper: within 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	112.7	45	19	48	22	26	4.8	10	0.82
SYIC - 16652	BT30 x FMB22 - 60	127.4	60							1.02
SYIC - 16654	BT30 x FMB27 - 45	113.4	45	20	60	27	31.5	5.8	12	1.06
SYIC - 16655	BT30 x FMB27 - 60	128.4	60							1.34
SYIC - 16656	BT30 x FMB32 - 45	115.4	45	22	78	32	41	6.8	14	1.46
SYIC - 16657	BT40 x FMB22 - 45	129.4	45							1.34
SYIC - 16658	BT40 x FMB22 - 60	144.4	60	19	48	22	26	4.8	10	1.54
SYIC - 16659	BT40 x FMB22 - 100	184.4	100							2.08
SYIC - 16660	BT40 x FMB27 - 45	130.4	45	20	60	27	31.5	5.8	12	1.56
SYIC - 16663	BT40 x FMB27 - 60	145.4	60							1.88
SYIC - 16664	BT40 x FMB27 - 90	175.4	90	20	60	27	31.5	5.8	12	2.30
SYIC - 16665	BT40 x FMB27 - 105	190.4	105							2.08
SYIC - 16666	BT40 x FMB32 - 45	132.4	45	22	78	32	41	6.8	14	1.96
SYIC - 16667	BT40 x FMB32 - 60	147.4	60							2.34
SYIC - 16668	BT40 x FMB40 - 60	150.4	60	25	80	40	48	8.3	16	2.70

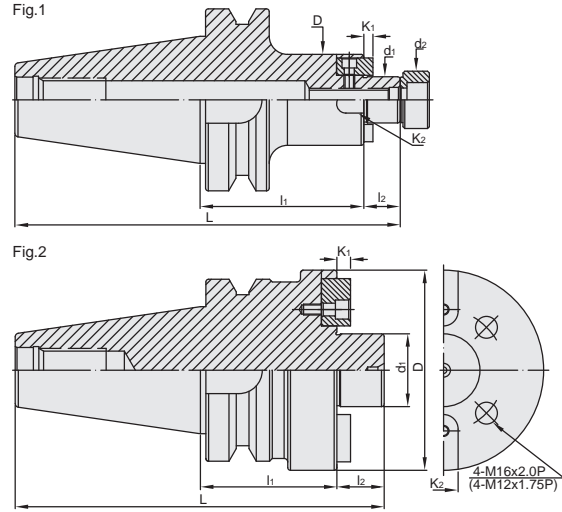
Option

PULL STUD	SCREW
 P.J-2	 P.J-61

SYIC-16650



BT 平面铣刀柄



- d1 tolerance: h6.
- Tolerance of 7/24 taper: within 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

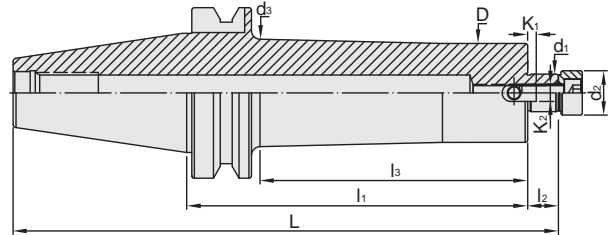
MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)			
SYIC - 16669	BT50 x FMB22 - 45	165.8	45	19	48	22	26	4.8	10	1	4.1			
SYIC - 16670	BT50 x FMB22 - 90	210.8	90								4.8			
SYIC - 16671	BT50 x FMB22 - 150	270.8	150								6.8			
SYIC - 16671 - 200	BT50 x FMB22 - 200	320.8	200								7.0			
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	1		4.3			
SYIC - 16673	BT50 x FMB27 - 90	211.8	90								5.4			
SYIC - 16674	BT50 x FMB27 - 150	271.8	150								6.5			
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			1	4.6		
SYIC - 16677	BT50 x FMB32 - 90	213.8	90									5.8		
SYIC - 16678	BT50 x FMB40 - 50	176.8	50									5.2		
SYIC - 16680	BT50 x FMB40 - 90	216.8	90	25	89	40	48	8.3		1		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
SYIC - 16690	BT50 x FS60F - 75	201.8	75	25	138	60	-	12.5				25.4	2	8.5

Option

PULL STUD	SCREW
<p>P.J-2</p>	<p>P.J-61</p>

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.

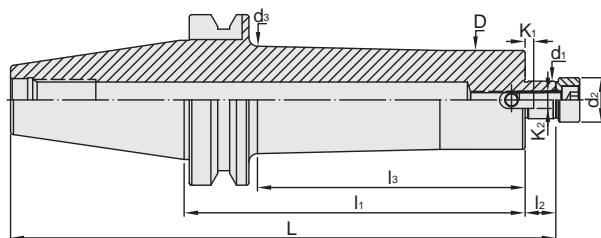
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
SYIC - 16641 - 125BG	BT50 x FMA25.4 - 125BG	246.8	20	79	48	25.4	31.5	60	4.25	9.52	5.3
SYIC - 16641 - 150BG	BT50 x FMA25.4 - 150BG	271.8		102							6.4
SYIC - 16641 - 200BG	BT50 x FMA25.4 - 200BG	321.8		152							7.5
SYIC - 16641 - 250BG	BT50 x FMA25.4 - 250BG	371.8		202	58						8.6
SYIC - 16641 - 300BG	BT50 x FMA25.4 - 300BG	421.8		252							9.7
SYIC - 16641 - 350BG	BT50 x FMA25.4 - 350BG	471.8		302							10.8
SYIC - 16641 - 400BG	BT50 x FMA25.4 - 400BG	521.8		352							11.9
SYIC - 16644 - 125BG	BT50 x FMA31.75 - 125BG	248.8	22	82	70	31.75	41	75	6.7	12.7	5.6
SYIC - 16644 - 150BG	BT50 x FMA31.75 - 150BG	273.8		107							6.3
SYIC - 16644 - 175BG	BT50 x FMA31.75 - 175BG	298.8		132							8.3
SYIC - 16644 - 200BG	BT50 x FMA31.75 - 200BG	323.8		157							9.1
SYIC - 16644 - 250BG	BT50 x FMA31.75 - 250BG	373.8		207							10.6
SYIC - 16644 - 300BG	BT50 x FMA31.75 - 300BG	423.8		252							12.1
SYIC - 16644 - 350BG	BT50 x FMA31.75 - 350BG	473.8		302							13.6

Option

PULL STUD	SCREW
<p>P.J-2</p>	<p>P.J-61</p>

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.

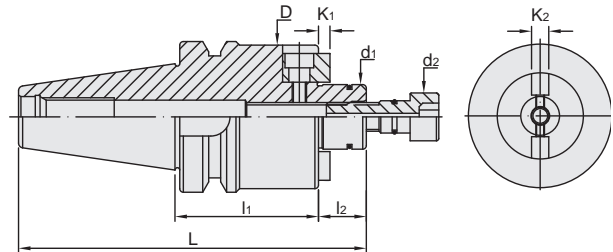
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
SYIC - 16657 - 150BG	BT40 x FMB22 - 150BG	234.4	19	118	48	22	31.75	51	4.25	10	2.9
SYIC - 16657 - 200BG	BT40 x FMB22 - 200BG	284.4		168							3.6
SYIC - 16657 - 250BG	BT40 x FMB22 - 250BG	334.4		218							4.4
SYIC - 16671 - 150BG	BT50 x FMB22 - 150BG	270.8	19	107	58	22	31.75	62.5	4.25	10	6.8
SYIC - 16671 - 200BG	BT50 x FMB22 - 200BG	320.8		157							8.4
SYIC - 16671 - 250BG	BT50 x FMB22 - 250BG	370.8		207							9.4
SYIC - 16671 - 300BG	BT50 x FMB22 - 300BG	420.8		257							10.4
SYIC - 16671 - 350BG	BT50 x FMB22 - 350BG	470.8		307							11.4
SYIC - 16671 - 400BG	BT50 x FMB22 - 400BG	520.8		352							12.4
SYIC - 16671 - 450GB	BT50 x FMB22 - 450BG	570.8		402							13.4
SYIC - 16671 - 500BG	BT50 x FMB22 - 500BG	620.8		452							14.4

Option

PULL STUD	SCREW
P.J-2	P.J-61

SYIC-11.660

BT / SMA 平面銑刀柄



SCREW

MODEL NO.	TYPE
SYIC - SMA22 - W	M10 x 1.5P - 35
SYIC - SMA27 - W	M12 x 1.75P - 35

- d1 tolerance: h6.
- Suitable for SRM Shell Rough Fixation Mill.
- There is more than 80% contact area that can avoid vibration effectively.
- 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 ₁	L	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
11.660.22.090	BT40xSMA22 - 90	174.4	19	50	22	18	4.8	10	1.90
11.660.22.105	BT40xSMA22 - 105	189.4							1.10
11.660.22.135	BT40xSMA22 - 135	219.4							2.20
11.660.27.090	BT40xSMA27 - 90	175.4	20	63	27	20	5.8	12	2.00
11.660.27.105	BT40xSMA27 - 105	190.4							2.10
11.660.27.135	BT40xSMA27 - 135	220.4							2.20
11.660.32.090	BT40xSMA32 - 90	177.4	22	80	32	22	6.8	14	2.40
11.660.32.105	BT40xSMA32 - 105	192.4							2.50
11.660.32.135	BT40xSMA32 - 135	222.4							2.60
12.660.22.090	BT50xSMA22 - 90	210.8	19	48	22	18	4.8	10	4.80
12.660.22.105	BT50xSMA22 - 105	225.8							5.00
12.660.22.135	BT50xSMA22 - 135	255.8							5.10
12.660.27.090	BT50xSMA27 - 90	211.8	20	60	27	20	5.8	12	5.40
12.660.27.105	BT50xSMA27 - 105	226.8							5.50
12.660.27.135	BT50xSMA27 - 135	256.8							5.60
12.660.32.090	BT50xSMA32 - 90	213.8	22	80	32	22	6.8	14	5.80
12.660.32.105	BT50xSMA32 - 105	228.8							5.90
12.660.32.135	BT50xSMA32 - 135	258.8							6.00

Option

PULL STUD

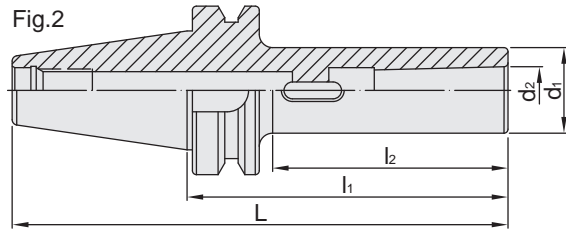
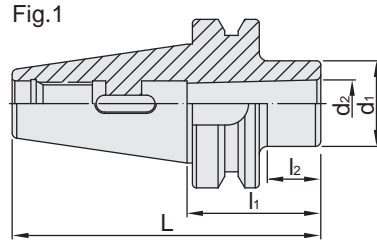
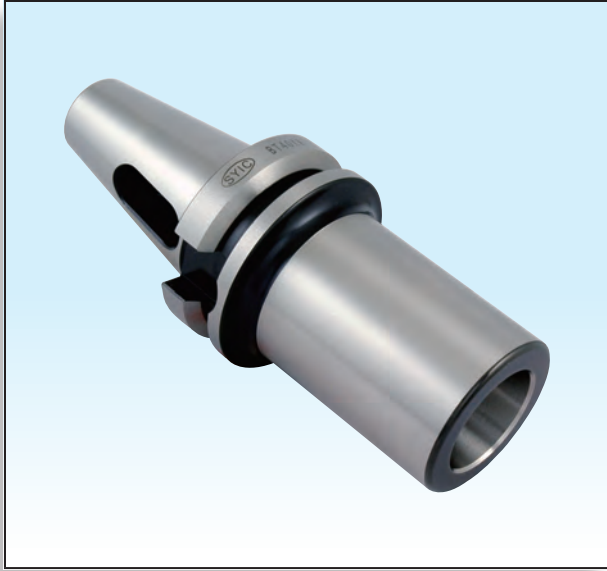


P.J-2

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 ₂	d ₁	d ₂	Fig	WEIGHT (KGS)
SYIC - 17001	BT30 x MTA1 - 45	93.4	20	25	12.065	1	0.50
SYIC - 17004	BT30 x MTA1 - 105	153.4	78			2	0.70
SYIC - 17006	BT30 x MTA2 - 60	108.4	35	32	17.78	1	0.54
SYIC - 17008	BT30 x MTA2 - 120	168.4	95			2	0.90
SYIC - 17010	BT30 x MTA3 - 80	128.4	56	40	23.825	1	0.72
SYIC - 17011	BT40 x MTA1 - 45	110.4	15	25	12.065	1	1.05
SYIC - 17013	BT40 x MTA1 - 120	185.4	83			2	1.32
SYIC - 17014	BT40 x MTA2 - 50	115.4	20	32	17.78	1	1.10
SYIC - 17017	BT40 x MTA2 - 120	185.4	88			2	1.42
SYIC - 17018	BT40 x MTA3 - 70	135.4	38	40	23.825	1	1.20
SYIC - 17021	BT40 x MTA3 - 135	200.4	102			2	1.70
SYIC - 17023	BT40 x MTA4 - 95	160.4	63	48	31.267	1	1.40
SYIC - 17025	BT40 x MTA4 - 165	230.4	133			2	2.50
SYIC - 17031	BT50 x MTA1 - 45	146.8	2	25	12.065	1	3.80
SYIC - 17033	BT50 x MTA1 - 120	221.8	74			2	4.30
SYIC - 17035	BT50 x MTA1 - 180	281.8	132				5.00
SYIC - 17036	BT50 x MTA2 - 60	161.8	17	32	17.78	1	4.00
SYIC - 17039	BT50 x MTA2 - 135	236.8	89			2	4.70
SYIC - 17041	BT50 x MTA2 - 180	281.8	132				5.00
SYIC - 17042	BT50 x MTA3 - 65	166.8	22	40	23.825	1	3.90
SYIC - 17046	BT50 x MTA3 - 150	251.8	107			2	5.00
SYIC - 17047	BT50 x MTA3 - 180	281.8	132				5.50
SYIC - 17048	BT50 x MTA4 - 95	196.8	52	48	31.267	1	4.20
SYIC - 17051	BT50 x MTA4 - 180	281.8	132			2	5.50
SYIC - 17053	BT50 x MTA5 - 105	206.8	62	63	44.399	1	4.30

Option

PULL STUD

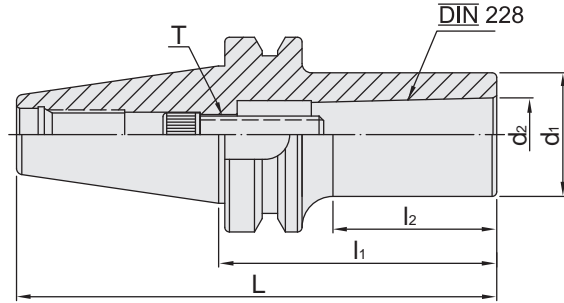
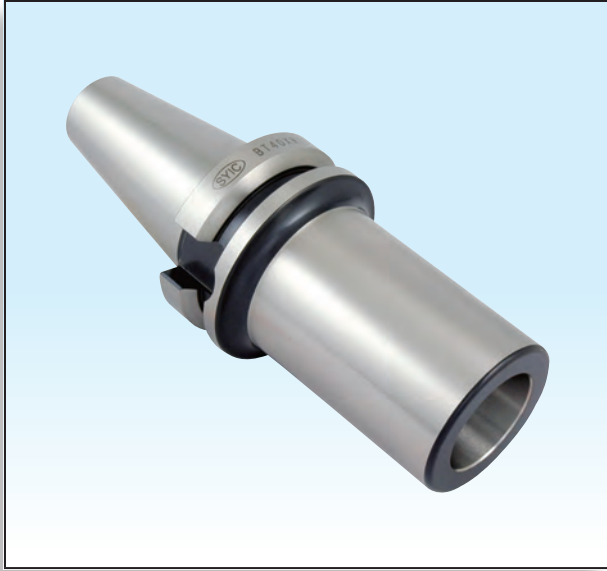


P.J-2

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 ₁	L	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 17001 - B	BT30 x MTB1 - 45	93.4	20	25	12.065	M6 x 1.0P 1/4" - 20	0.55
SYIC - 17006 - B	BT30 x MTB2 - 60	108.4	36	32	17.78	M10 x 1.5P 3/8" - 16	0.60
SYIC - 17011 - B	BT40 x MTB1 - 45	110.4	13	25	12.065	M6 x 1.0P 1/4" - 20	1.10
SYIC - 17014 - B	BT40 x MTB2 - 45	110.4	13	32	17.78	M10 x 1.5P 3/8" - 16	1.10
SYIC - 17017 - B - 185	BT40 x MTB2 - 185	250.4	148	32	17.78	M10 x 1.5P 3/8" - 16	1.90
SYIC - 17018 - B	BT40 x MTB3 - 75	140.4	45	40	23.825	M12 x 1.75P or 1/2" - 12	1.30
SYIC - 17019 - B	BT40 x MTB3 - 90	155.4	53				1.40
SYIC - 17020 - B	BT40 x MTB3 - 120	185.4	83				1.80
SYIC - 17021 - B - 180	BT40 x MTB3 - 180	245.4	143	48	31.267	M16 x 2.0P or 5/8" - 11	2.40
SYIC - 17024 - B	BT40 x MTB4 - 100	165.4	67				1.60
SYIC - 17024 - B - 120	BT40 x MTB4 - 120	185.4	87				1.80
SYIC - 17024 - B - 180	BT40 x MTB4 - 180	245.4	147				2.60
SYIC - 17031 - B	BT50 x MTB1 - 45	146.8	6	25	12.065	M6 x 1.0P 1/4" - 20	3.80
SYIC - 17036 - B	BT50 x MTB2 - 45	146.8	5	32	17.78	M10 x 1.5P 3/8" - 16	3.90
SYIC - 17042 - B	BT50 x MTB3 - 60	161.8	12	40	23.825	M12 x 1.75P 1/2" - 12	3.90
SYIC - 17048 - B - 75	BT50 x MTB4 - 75	176.8	32	48	31.267	M16 x 2.0P 5/8" - 11	4.20
SYIC - 17053 - B - 120	BT50 x MTB5 - 120	221.8	77	63	44.399	M24 x 3.0P 1" - 8	4.30

Option

PULL STUD

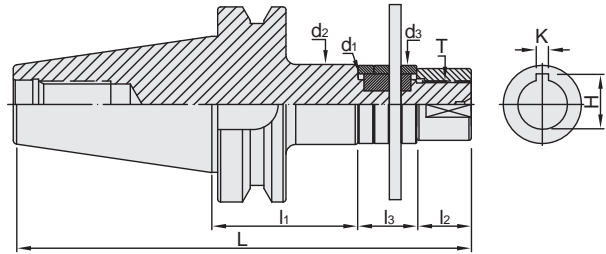


P.J-2

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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	22		34	34	6	24.3	M20 x 1.5P	1.4
SYIC - 17068	BT40 x SCA16 - 60	171.4	16	30	26	26	4	17.7	M14 x 1.5P	1.5
SYIC - 17070	BT40 x SCA22 - 60	177.4	22		34	34	6	24.3	M20 x 1.5P	1.6
SYIC - 17071	BT40 x SCA22 - 75	192.4								1.7
SYIC - 17072	BT40 x SCA22 - 120	237.4	28		41	40	7	30	M24 x 1.5P	2.0
SYIC - 17073	BT40 x SCA27 - 75	198.4								2.1
SYIC - 17074	BT40 x SCA27 - 120	243.4	32		47	47	8	35.5	M30 x 1.5P	2.5
SYIC - 17075	BT40 x SCA32 - 90	217.4								2.6
SYIC - 17076	BT40 x SCA22.22 - 75	192.4	22		34	34	3.18	24.6	M20 x 1.5P	1.7
SYIC - 17077	BT40 x SCA22.22 - 120	237.4	2.0							
SYIC - 17078	BT40 x SCA25.40 - 75	198.4	28		41	40	6.35	28.4	M24 x 1.5P	2.0
SYIC - 17079	BT40 x SCA25.40 - 120	243.4		2.4						
SYIC - 17080	BT40 x SCA31.75 - 90	217.4	32	47	47	7.93	34.8	M30 x 1.5P	2.6	
SYIC - 17083	BT50 x SCA22 - 90	243.8	22						34	34
SYIC - 17084	BT50 x SCA22 - 135	288.8		4.7						
SYIC - 17085	BT50 x SCA27 - 90	249.8	28	41	40	7	30	M24 x 1.5P	4.6	
SYIC - 17086	BT50 x SCA27 - 135	294.8							5.0	
SYIC - 17087	BT50 x SCA32 - 90	253.8	32	47	47	8	35.5	M30 x 1.5P	4.7	
SYIC - 17088	BT50 x SCA32 - 135	298.8							5.2	
SYIC - 17089	BT50 x SCA40 - 90	261.8	40	55	55	10	43.7	M36 x 2.0P	5.0	
SYIC - 17090	BT50 x SCA40 - 135	306.8							6.0	
SYIC - 17091	BT50 x SCA22.22 - 90	243.8	22	34	34	3.18	24.6	M20 x 1.5P	4.4	
SYIC - 17092	BT50 x SCA22.22 - 135	288.8							4.7	
SYIC - 17093	BT50 x SCA25.40 - 90	249.8	28	41	40	6.35	28.4	M24 x 1.5P	4.5	
SYIC - 17094	BT50 x SCA25.40 - 135	294.8							4.9	
SYIC - 17095	BT50 x SCA31.75 - 90	253.8	32	47	47	7.93	34.8	M30 x 1.5P	4.7	
SYIC - 17096	BT50 x SCA31.75 - 135	298.8							5.2	
SYIC - 17097	BT50 x SCA38.10 - 90	261.8	40	55	55	9.525	42.4	M36 x 2.0P	4.9	
SYIC - 17098	BT50 x SCA38.10 - 135	306.8							5.9	

Option

PULL STUD



P.J-2

SYIC-17100

BT / SLN 側固式立銑刀柄

DIN 1835



- Internal hole tolerance : H5(DIN-1835-B standard).
- The tolerance of tool shank diameter is within h6.
- 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

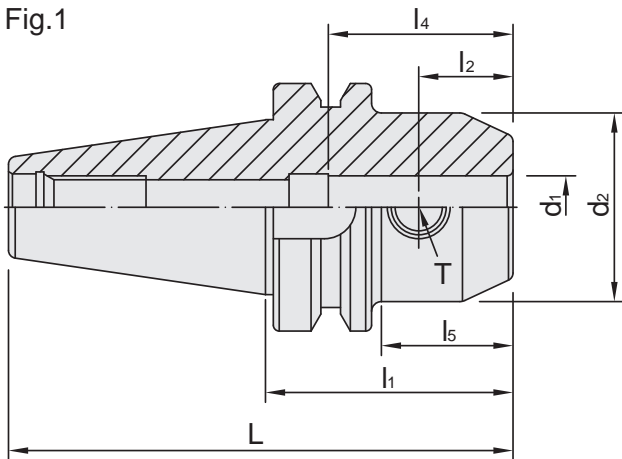


Fig.2

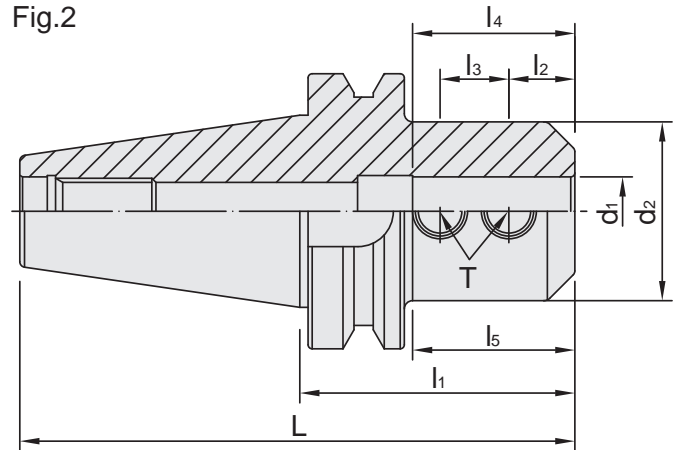
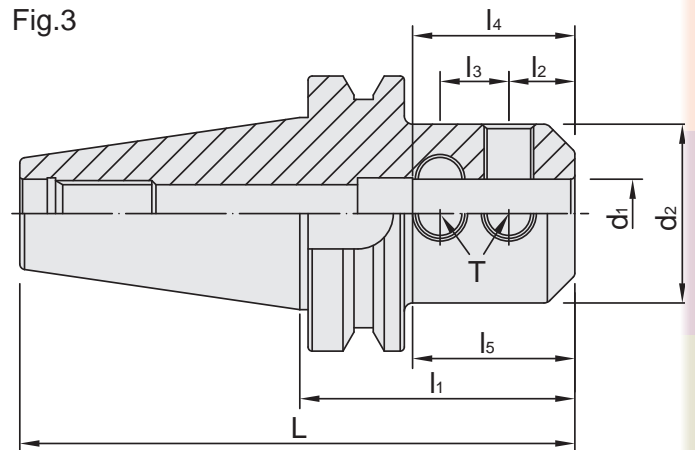


Fig.3



BT / SLN 側固式立銑刀柄

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	l ₄	l ₅	d ₂	T	Fig	WEIGHT (KGS)		
SYIC - 17122	BT30 x SLN6 - 60	108.4	18	-	35	33	25	M6 x 1.0P	1	0.55		
SYIC - 17123	BT30 x SLN8 - 60					33	28	M8 x 1.25P		0.60		
SYIC - 17124	BT30 x SLN10 - 60					20	35	M10 x 1.5P		0.70		
SYIC - 17125	BT30 x SLN12 - 60					22.5	44	36		42	M12 x 1.75P	0.75
SYIC - 17126	BT30 x SLN16 - 75	123.4	24	47	53	48	M14 x 2.0P	1.05				
SYIC - 17127	BT30 x SLN20 - 75		25	49	53	52	M16 x 2.0P	1.10				
SYIC - 17128	BT30 x SLN25 - 90	138.4	24	25	58	68	65	M18 x 2.0P	2	1.70		
SYIC - 17131	BT40 x SLN6 - 50	115.4	18	-	35	20	25	M6 x 1.0P	1	1.10		
SYIC - 17131 - 150	BT40 x SLN6 - 150	215.4				113		M8 x 1.25P		1.32		
SYIC - 17132	BT40 x SLN8 - 50	115.4				20	28	M8 x 1.25P		1.10		
SYIC - 17132 - 150	BT40 x SLN8 - 150	215.4				113		1.30				
SYIC - 17133	BT40 x SLN10 - 63	128.4	20	-	39	33	35	M10 x 1.5P		1.25		
SYIC - 17133 - 150	BT40 x SLN10 - 150	215.4				113		1.40				
SYIC - 17134	BT40 x SLN12 - 63	128.4	22.5	-	44	33	42	M12 x 1.75P	1.30			
SYIC - 17134 - 150	BT40 x SLN12 - 150	215.4				116		1.53				
SYIC - 17135	BT40 x SLN16 - 63	128.4	24	-	47	33	48	M14 x 2.0P	1.40			
SYIC - 17135 - 150	BT40 x SLN16 - 150	215.4				120		1.60				
SYIC - 17135 - 18	BT40 x SLN18 - 63	128.4				44	33	50	1.65			
SYIC - 17136	BT40 x SLN20 - 63					25	49	33	52	M16 x 2.0P	1.40	
SYIC - 17137	BT40 x SLN25 - 100	165.4	24	25	58	73	65	M18 x 2.0P	2	2.50		
SYIC - 17138	BT40 x SLN32 - 100			28	63		72	M20 x 2.0P		2.75		
SYIC - 17151	BT50 x SLN6 - 63	164.8	18	-	35	20	25	M6 x 1.0P	1	3.80		
SYIC - 17152	BT50 x SLN8 - 63						39	28		M8 x 1.25P	3.80	
SYIC - 17153	BT50 x SLN10 - 63						20	35		M10 x 1.5P	3.00	
SYIC - 17154	BT50 x SLN12 - 80	181.8	22.5	-	44	39	42	M12 x 1.75P		4.00		
SYIC - 17155	BT50 x SLN16 - 80		24				47	32		48	M14 x 2.0P	4.40
SYIC - 17156	BT50 x SLN20 - 80		25				49	37		52	M16 x 2.0P	4.40
SYIC - 17157	BT50 x SLN25 - 100	201.8	24	25	58	59	65	M18 x 2.0P	2	5.10		
SYIC - 17158	BT50 x SLN32 - 105	206.8		28	63	64	72	M20 x 2.0P		5.20		
SYIC - 17160	BT50 x SLN40 - 115	216.8	30	32	75	74	90			M20 x 2.0P	6.70	
SYIC - 17164	BT50 x SLN40 - 120	221.8				79					90	6.70
SYIC - 17162	BT50 x SLN42 - 120					35	35	78		82	98	M24 x 2.0P
SYIC - 17166	BT50 x SLN50 - 120	99									M20 x 2.0P	6.80
SYIC - 17167	BT50 x SLN50.8 - 120	33.1	28.58	80	81	95	M20 x 2.0P	3	7.20			
SYIC - 17170	BT50 x SLN50.8 - 120			80	82	125			M16 x 2.0P	6.60		
SYIC - 17168	BT50 x SLN63 - 120											

Option

PULL STUD	LOCK SCREW
 P.J-2	 P.J-61



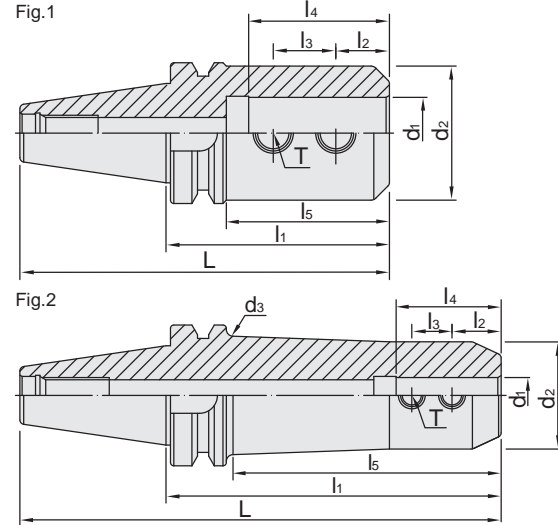
BT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

BT

SYIC-17100-JIS

BT / SLN 側固式立銑刀柄



- 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	l ₅	d ₂	d ₃	T	Fig	WEIGHT (KGS)		
SYIC - 17131 - 75 - J	BT40 x SLN6 - 75JIS	140.4	12	10	35	45	25	-	M6 x 1.0P	1	1.20		
SYIC - 17131 - 150 - J	BT40 x SLN6 - 150JIS	215.4				113	30	2		1.50			
SYIC - 17132 - 75 - J	BT40 x SLN8 - 75JIS	140.4	14	12		45	28	-	M8 x 1.25P	1	1.20		
SYIC - 17132 - 150 - J	BT40 x SLN8 - 150JIS	215.4				113	33	2		1.50			
SYIC - 17133 - 75 - J	BT40 x SLN10 - 75JIS	140.4	15	14	39	45	35	-	M10 x 1.5P	1	1.40		
SYIC - 17133 - 150 - J	BT40 x SLN10 - 150JIS	215.4				118	40	2		1.50			
SYIC - 17134 - 75 - J	BT40 x SLN12 - 75JIS	140.4	20	16		45	42	-		M10 x 1.5P	1	1.50	
SYIC - 17134 - 150 - J	BT40 x SLN12 - 150JIS	215.4				118	47	2			1.70		
SYIC - 17135 - 75 - J	BT40 x SLN16 - 75JIS	140.4	22	18	47	45	48	-	M12 x 1.75P	1	1.60		
SYIC - 17135 - 150 - J	BT40 x SLN16 - 150JIS	215.4				120	53	2		1.70			
SYIC - 17136 - 90 - J	BT40 x SLN20 - 90JIS	155.4	25	20		55	60	50		-	M12 x 1.75P	1	1.75
SYIC - 17136 - 150 - J	BT40 x SLN20 - 150JIS	215.4					120	57		2		1.80	
SYIC - 17137 - 90 - J	BT40 x SLN25 - 90JIS	155.4	24	25	58		60	50	-	M16 x 2.0P	1	1.70	
SYIC - 17138 - J	BT40 x SLN32 - 100JIS	165.4	24	28	63		73	60	-		2	2.10	
SYIC - 17151 - 75 - J	BT50 x SLN6 - 75JIS	176.8	12	10	35	31	25	-	M6 x 1.0P	1	3.90		
SYIC - 17152 - 75 - J	BT50 x SLN8 - 75JIS	176.8				14	12	27			28	-	M8 x 1.25P
SYIC - 17153 - 75 - J	BT50 x SLN10 - 75JIS	176.8	15	14		39	32	35	-		M10 x 1.5P	3.90	
SYIC - 17154 - 90 - J	BT50 x SLN12 - 90JIS	191.8	20	16		42	42	47	-			M10 x 1.5P	3.90
SYIC - 17154 - 165 - J	BT50 x SLN12 - 165JIS	266.8			124	53	2	5.00					
SYIC - 17155 - 90 - J	BT50 x SLN16 - 90JIS	191.8	22	18	47	42	48	-	M12 x 1.75P	1	3.90		
SYIC - 17155 - 165 - J	BT50 x SLN16 - 165JIS	266.8				117	53	2		5.00			
SYIC - 17156 - 90 - J	BT50 x SLN20 - 90JIS	191.8	25	20		55	49	50		-	M12 x 1.75P	1	4.50
SYIC - 17156 - 165 - J	BT50 x SLN20 - 165JIS	266.8					117	57		1		6.00	
SYIC - 17156 - 210 - J	BT50 x SLN20 - 210JIS	311.8	162	57	1		7.00						

Option

PULL STUD	LOCK SCREW
 P.J-2	 P.J-61

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-17100-JIS

BT / SLN 側固式立銑刀柄



Fig.1

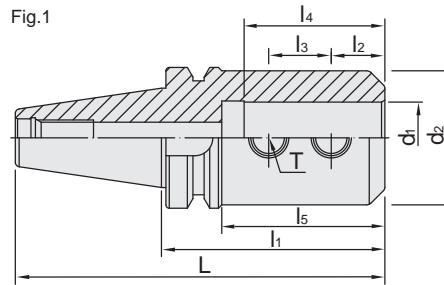
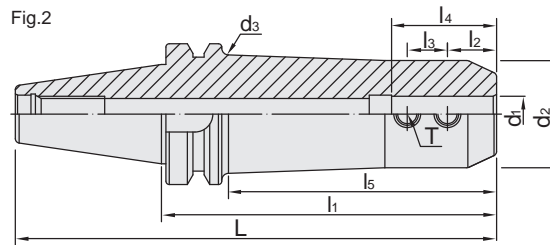


Fig.2



- 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.

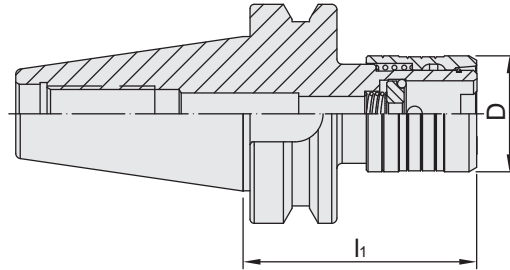
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	l ₄	l ₅	d ₂	d ₃	T	Fig	WEIGHT (KGS)	
SYIC - 17157 - J	BT50 x SLN25 - 100JIS	201.8	24	25	68	59	50	-	M12 x 1.75P	1	4.58	
SYIC - 17157 - 165 - J	BT50 x SLN25 - 165JIS	266.8				117		57				2
SYIC - 17157 - 210 - J	BT50 x SLN25 - 210JIS	311.8				169				60	2	
SYIC - 17157 - 250 - J	BT50 x SLN25 - 250JIS	351.8				202		28				73
SYIC - 17158 - 105 - J	BT50 x SLN32 - 105JIS	206.8		64	60	2	6.22					
SYIC - 17158 - 165 - J	BT50 x SLN32 - 165JIS	266.8		117					60	2	6.34	
SYIC - 17158 - 210 - J	BT50 x SLN32 - 210JIS	311.8		162	60	2	7.50					
SYIC - 17158 - 250 - J	BT50 x SLN32 - 250JIS	351.8		207					65	2	8.00	
SYIC - 17158 - 300 - J	BT50 x SLN32 - 300JIS	401.8		257	60	2	8.00					

Option

PULL STUD	LOCK SCREW
P.J-2	P.J-61

SYIC-17710

快換式伸縮 / 扭力 攻牙夾頭



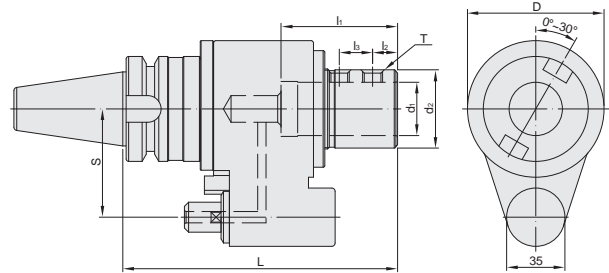
MODEL NO.	TYPE	TAPPING COLLET	TAPPING CAPACITY	LENGTH COMP.		l ₁	D	WEIGHT (KGS)
				COMP	EXP			
SYIC - 17711	BT30 x 312 - 57	TCS - 1B	M3 - M12	6	12	57	36	0.64
SYIC - 17715-62	BT40 x 312 - 62	TCS - 1B	M3 - M12	6	12	62	36	1.25
SYIC - 17715-120	BT40 x 312 - 120					120		1.30
SYIC - 17716-94	BT40 x 822 - 94	TCS - 2B	M8 - M22	12.5	12.5	94	53	1.20
SYIC - 17716-166	BT40 x 822 - 166					166		1.40
SYIC - 17718-155	BT40 x 1638 - 155	TCS - 3B	M16 - M38	20	20	155	78	2.20
SYIC - 17718-246	BT40 x 1638 - 246					246		2.40
SYIC - 17721-81	BT50 x 312 - 81	TCS - 1B	M3 - M12	6	12	81	36	4.00
SYIC - 17721-126	BT50 x 312 - 126					126		4.48
SYIC - 17722-102	BT50 x 822 - 102	TCS - 2B	M8 - M22	8.7	11.3	102	68	4.40
SYIC - 17722-166	BT50 x 822 - 166					166		4.90
SYIC - 17724-142	BT50 x 1638 - 142	TCS - 3B	M16 - M38	20	13	142	78	6.06
SYIC - 17724-201	BT50 x 1638 - 201					201		6.56

Option

TAPPING COLLET	PULL STUD
 P.J-44	 P.J-2

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.

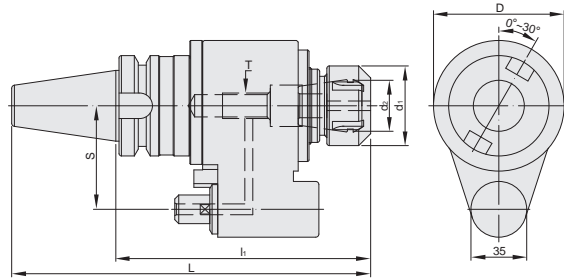
MODEL NO.	TYPE (d ₁ - L)	l ₁	l ₂	l ₃	D	d ₂	S	T	WEIGHT (KGS)		
SYIC - 18001	BT40 x OSL16 - 165	48	25	-	82	46.5	65	M12 x 1.75P	3.1		
SYIC - 18003	BT40 x OSL20 - 165	50							3.5		
SYIC - 18005	BT40 x OSL25 - 165	56	15	20					47	3.5	
SYIC - 18007	BT40 x OSL32 - 165	60							5.2		
SYIC - 18002	BT40 x OSL16 - 165S	48	25	-		46.5	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						47	3.5
SYIC - 18008	BT40 x OSL32 - 165S	60									5.2
SYIC - 18009	BT50 x OSL16 - 165	48	25	-	98	80	M14 x 2.0P	7.0			
SYIC - 18011	BT50 x OSL20 - 165	50					M12 x 1.75P	7.5			
SYIC - 18013	BT50 x OSL25 - 165	56	15	20			56	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	M14 x 2.0P			8.5		
SYIC - 18019	BT50 x OSL16 - 165M	48	25	-	98	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			56	82	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	M14 x 2.0P			8.5		
SYIC - 18029	BT50 x OSL16 - 165L	48	25	-	98	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	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	M14 x 2.0P			8.7		

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUD	LOCK SCREW
P.J-45	P.J-45	P.J-2	P.J-61

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.

MODEL NO.	TYPE	L	li	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	160	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

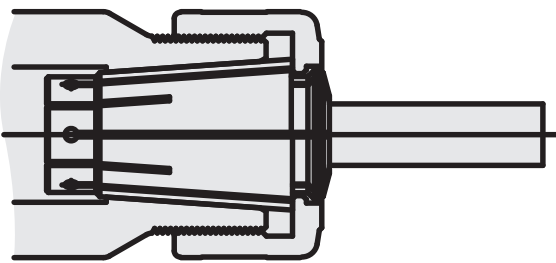
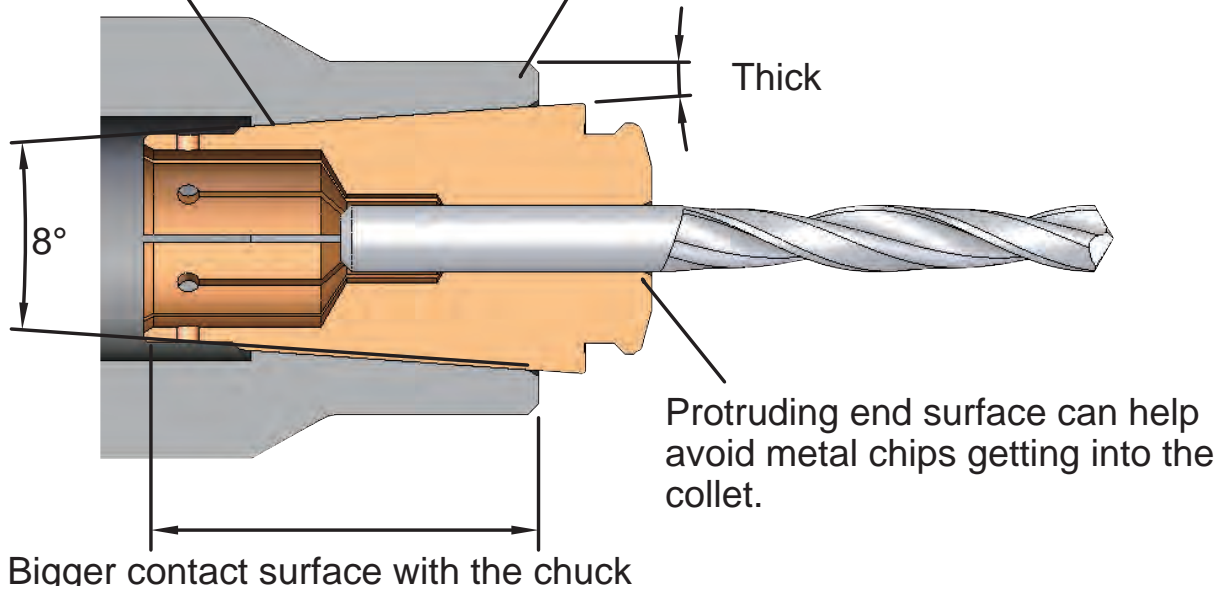
Standard Accessory: ● STANDARD NUT

Option

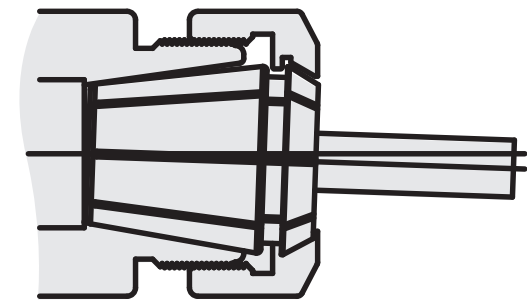
COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUD	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-45	P.J-2	P.J-59

4° slanted design raises the clamping power.

Increasing the body thickness improves anti-vibration.

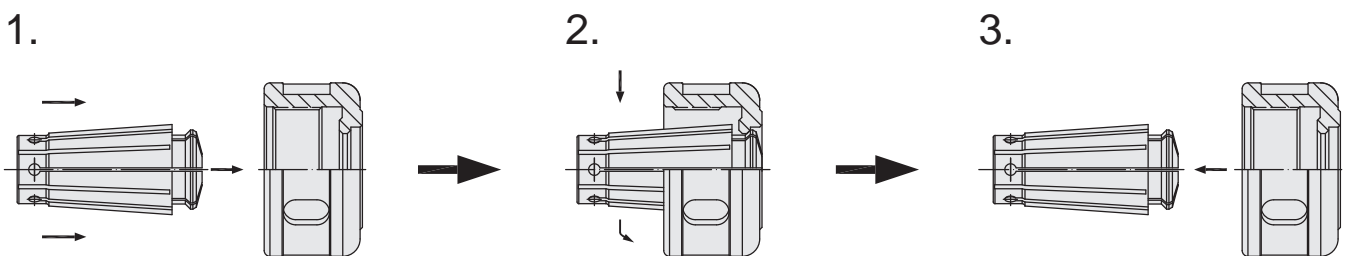


4° slanted design has better stability.



8° slanted design doesn't have enough stability.

Easy to load and unload the collets. There is no need to use special tool, more convenient and time saving!!

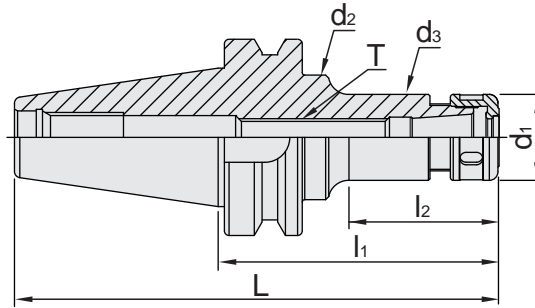


SYIC-18330

BT / SKS 高速機專用夾頭



T W PAT NO. M270871



- 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	l ₂	SIZE RANGE	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 18330	BT30 x SKS6 - 45	93.4	22	$\phi 3 - \phi 6$	18	18	-	M8x1.25P	0.8
SYIC - 18331	BT30 x SKS6 - 60	108.4	33						0.9
SYIC - 18332	BT30 x SKS10 - 45	93.4	22	$\phi 3 - \phi 10$	30	27.6	-	M12x1.75P	0.8
SYIC - 18332-60	BT30 x SKS10 - 60	108.4	33						0.9
SYIC - 18332-90	BT30 x SKS10 - 90	138.4	63						1.0
SYIC - 18334	BT30 x SKS13 - 60	108.4	35	$\phi 3 - \phi 13$	35	33	-	M12x1.75P	1.1
SYIC - 18334-90	BT30 x SKS13 - 90	138.4	65						1.1
SYIC - 18334-120	BT30 x SKS13 - 120	168.4	95						1.2
SYIC - 18335	BT30 x SKS16 - 60	108.4	37						$\phi 3 - \phi 16$
SYIC - 18335-90	BT30 x SKS16 - 90	138.4	67	1.2					
SYIC - 18336	BT30 x SKS20 - 60	108.4	33	$\phi 3 - \phi 20$	48.5	48.5	-	M12 x 1.75P	0.7
SYIC - 18336-90	BT30 x SKS20 - 90	138.4	60						1.2
SYIC - 18338	BT40 x SKS6 - 90	155.4	44	$\phi 3 - \phi 6$	18	32	18	M8x1.25P	1.2
SYIC - 18339	BT40 x SKS6 - 120	185.4	74						1.4
SYIC - 18340	BT40 x SKS10 - 90	155.4	45	$\phi 3 - \phi 10$	30	40	27.6	M12x1.75P	1.5
SYIC - 18342	BT40 x SKS10 - 120	185.4	74				27		1.6
SYIC - 18343	BT40 x SKS13 - 60	125.4	30	$\phi 3 - \phi 13$	35	33	-	M12x1.75P	1.2
SYIC - 18343-90	BT40 x SKS13 - 90	155.4	60						1.4
SYIC - 18343-120	BT40 x SKS13 - 120	185.4	90						1.6
SYIC - 18344	BT40 x SKS16 - 90	155.4	58	$\phi 3 - \phi 16$	40	40	-	M18x1.5P	1.6
SYIC - 18346	BT40 x SKS16 - 120	185.4	88						1.7
SYIC - 18348	BT40 x SKS20 - 60	125.4	32	$\phi 3 - \phi 20$	48.5	48.5	-	M22 x 1.5P	1.3
SYIC - 18348-90	BT40 x SKS20 - 90	155.4	60						1.6
SYIC - 18348-120	BT40 x SKS20 - 120	185.4	88						2.0
SYIC - 18352	BT40 x SKS25 - 90	155.4	61	$\phi 3 - \phi 25.4$	55.1	55	-	M28x2.0P	1.7
SYIC - 18354	BT40 x SKS25 - 120	185.4	91						1.8

Standard Accessory: ● STANDARD NUT
Option

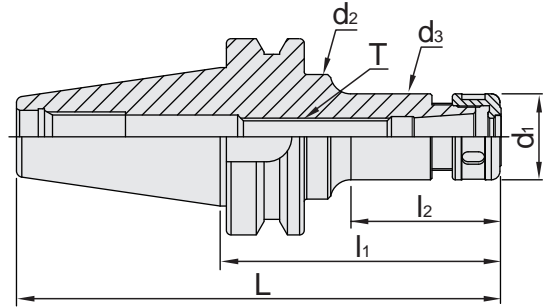
COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-2	P.J-59

SYIC-18330

BT / SKS 高速機專用夾頭



T W PAT NO. M270871



- 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	l ₂	SIZE RANGE	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 18360	BT50 x SKS6 - 90	191.8	42	$\phi 3 - \phi 6$	18	18	-	M8x1.25P	4.0
SYIC - 18362	BT50 x SKS6 - 120	221.8	60			32	18		4.2
SYIC - 18370	BT50 x SKS10 - 105	206.8	57	$\phi 3 - \phi 10$	30	27.6	-	M12x1.75P	4.5
SYIC - 18372	BT50 x SKS10 - 150	251.8	94			40	27		4.6
SYIC - 18374	BT50 x SKS10 - 165	266.8	108			36			4.3
SYIC - 18374-200	BT50 x SKS10 - 200	301.8	145			40	5.2		
SYIC - 18374-250	BT50 x SKS10 - 250	351.8	193						5.6
SYIC - 18375	BT50 x SKS13 - 105	206.8	62	$\phi 3 - \phi 13$	35	33	-	M12x1.75P	4.5
SYIC - 18375-135	BT50 x SKS13 - 135	236.8	92			45	33		4.7
SYIC - 18375-165	BT50 x SKS13 - 165	266.8	92			45	33		4.9
SYIC - 18375-200	BT50 x SKS13 - 200	301.8	157			45	33		5.2
SYIC - 18375-250	BT50 x SKS13 - 250	351.8	207						5.7
SYIC - 18376	BT50 x SKS16 - 105	206.8	57	$\phi 3 - \phi 16$	40	40	-	M18x1.5P	4.5
SYIC - 18378	BT50 x SKS16 - 150	251.8	93			52	40		4.7
SYIC - 18380	BT50 x SKS16 - 165	266.8	108			52	40		4.5
SYIC - 18380-200	BT50 x SKS16 - 200	301.8	157			52	40		5.5
SYIC - 18380-250	BT50 x SKS16 - 250	351.8	207						6.0
SYIC - 18382	BT50 x SKS20 - 105	206.8	62	$\phi 3 - \phi 20$	48.5	48.5	-	M22 x 1.5P	4.3
SYIC - 18382-135	BT50 x SKS20 - 135	236.8	92						4.6
SYIC - 18384	BT50 x SKS20 - 165	266.8	122						5.0
SYIC - 18384-200	BT50 x SKS20 - 200	301.8	157						5.4
SYIC - 18384-250	BT50 x SKS20 - 250	351.8	207						6.1
SYIC - 18386	BT50 x SKS25 - 105	206.8	62	$\phi 3 - \phi 25.4$	55.1	55	-	M28x2.0P	4.5
SYIC - 18388	BT50 x SKS25 - 150	251.8	107						4.8
SYIC - 18390	BT50 x SKS25 - 200	301.8	157						6.0
SYIC - 18392	BT50 x SKS25 - 250	351.8	207						6.7

Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-2	P.J-59



COLLET CHUCKING SERIES

without clamping nut

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SBL12. SBL20



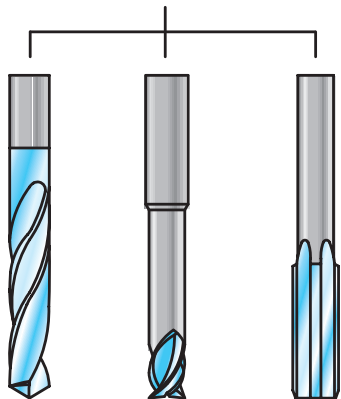
BT. CAT. DAT. HSK / SBL6



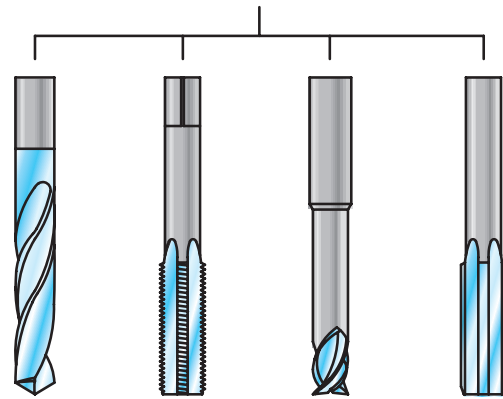
SLF12. SLF20

SLC12. SLC20

SLC6



Drill Endmill Reamer

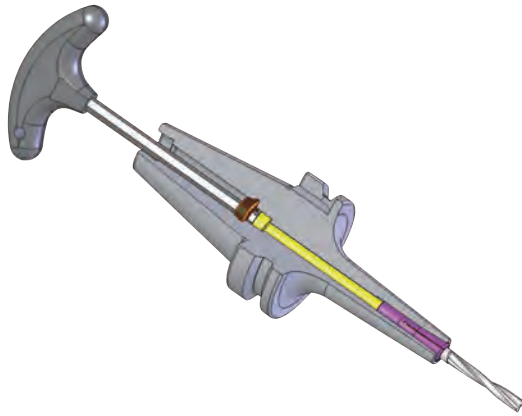


Drill Tap Endmill Reamer

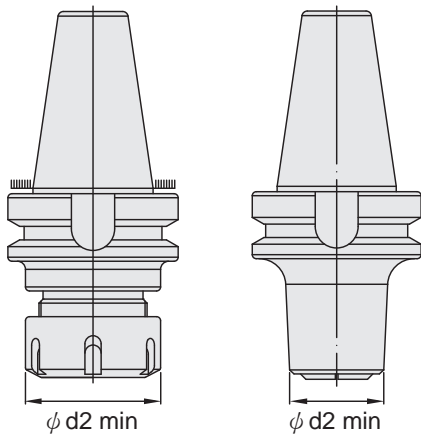
Collet : SLC6, SLC12, SLC20
Chuck : BT, CAT, DAT, HSK,
STRAIGHT SHANK



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

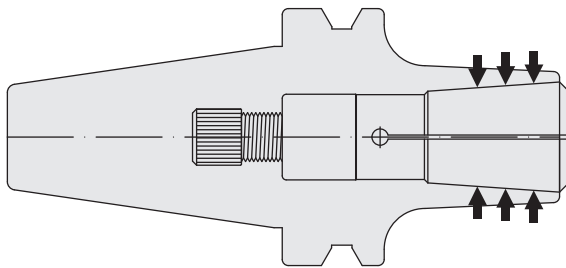


- Slim design avoids interference.
- Chucking the front part of collet, which hides inside.
- Good design for high revolution and good balance because of non-clamping nuts.
- 4° taper angle is good for chucking and it's easier to lock and loosen.

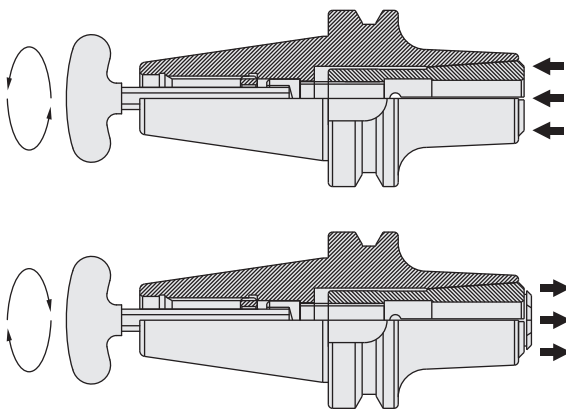


TYPE	OUTSIDE DIAMETER	MAX. CHUCKING DIAMETER
SBL6	φ 14	φ 6
ER11M	φ 16	φ 7
SBL12	φ 26	φ 12
ER20	φ 34	φ 14
SBL20	φ 34	φ 20
ER32	φ 50	φ 20

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.



BT / SBL SLIM-FIT COLLET CHUCK

BT

SYIC-18850

BT / SBL 後拉式立銑刀夾頭

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

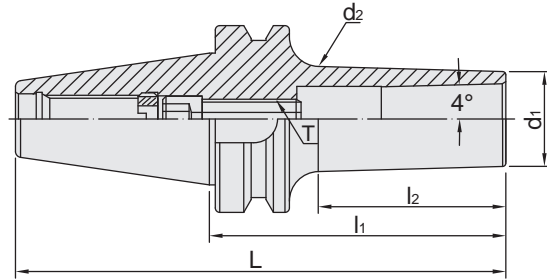
ACCESSORIES

KIT

TECHNICAL INFO.



T W PAT NO. M274178






• SCREW TIGHTENING TORQUE

TYPE	T	TORQUE	
		N.m	1bf-ft
SBL6	M6 x 1.0P	12	9
SBL12	M10 x 1.5P	59	43
SBL20	M12 x 1.75P	100	74

- 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.

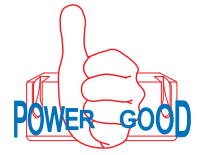
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 18854	BT30 x SBL6 - 70	118.4	38	14	18.1	φ 3 - φ 6	M6 x 1.0P	1.00
SYIC - 18856	BT30 x SBL6 - 100	148.4	68		21.2			1.25
SYIC - 18858	BT30 x SBL12 - 70	118.4	47	26	33.4	φ 3 - φ 12	M10 x 1.5P	1.20
SYIC - 18860	BT30 x SBL12 - 100	148.4	77		38.1			1.45
SYIC - 18862	BT30 x SBL20 - 80	128.4	54	34	37.6	φ 3 - φ 20	M12 x 1.75P	1.20
SYIC - 18864	BT30 x SBL20 - 100	148.4	76		39.2			1.45
SYIC - 18866	BT40 x SBL6 - 70	135.4	28	14	17.1	φ 3 - φ 6	M6 x 1.0P	1.20
SYIC - 18868	BT40 x SBL6 - 100	165.4	58		20.1			1.60
SYIC - 18870	BT40 x SBL12 - 70	135.4	33	26	31	φ 3 - φ 12	M10 x 1.5P	1.50
SYIC - 18872	BT40 x SBL12 - 100	165.4	63		31.6			1.70
SYIC - 18874	BT40 x SBL20 - 70	135.4	33	35	38.1	φ 3 - φ 20	M12 x 1.75P	1.50
SYIC - 18876	BT40 x SBL20 - 100	165.4	68		41			1.70
SYIC - 18878	BT50 x SBL6 - 70	171.8	17	14	15.9	φ 3 - φ 6	M6 x 1.0P	4.00
SYIC - 18880	BT50 x SBL6 - 100	201.8	47		19.1			4.10
SYIC - 18882	BT50 x SBL12 - 70	171.8	22	26	28.1	φ 3 - φ 12	M10 x 1.5P	4.20
SYIC - 18884	BT50 x SBL12 - 100	201.8	52		30.8			4.30
SYIC - 18886	BT50 x SBL20 - 70	171.8	22	35	36.9	φ 3 - φ 20	M12 x 1.75P	4.60
SYIC - 18888	BT50 x SBL20 - 100	201.8	52		39.6			4.70

Option

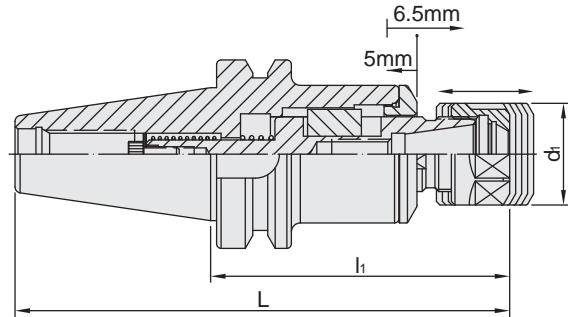
COLLET	SPANNER	PULL STUD
 P.J-21	 P.J-35	 P.J-2

SYIC-18700

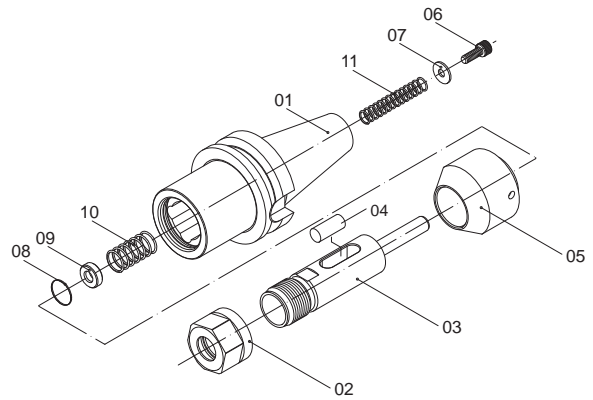
BT / ETP 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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	123.6	75	28	ER16	M3 - M10	0.55
SYIC - 18703	BT30 x ETP16A - 90	138.6	90				0.60
SYIC - 18705	BT30 x ETP20A - 75	123.6	75	34	ER20	M3 - M17	0.58
SYIC - 18707	BT30 x ETP20A - 90	138.6	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	221.8	120	28	ER16	M3 - M10	4.30
SYIC - 18733	BT50 x ETP16A - 150	251.8	150				4.50
SYIC - 18735	BT50 x ETP20A - 100	201.8	100	34	ER20	M3 - M17	4.30
SYIC - 18737	BT50 x ETP20A - 150	251.8	150				4.60
SYIC - 18739	BT50 x ETP20M - 200	301.8	200	28	ER32	M3 - M27	4.70
SYIC - 18741	BT50 x ETP32 - 120	221.8	120	50			4.65

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-11	P.J-25	P.J-34	P.J-2	P.J-59

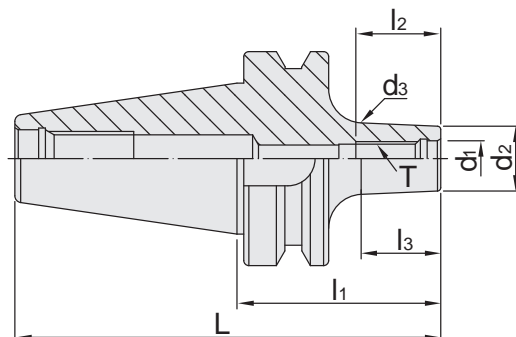


BT / SOM SCREWED END MILL HOLDER

BT

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.

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

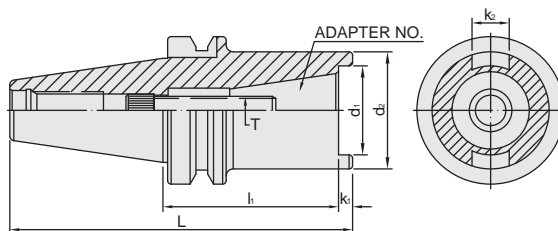
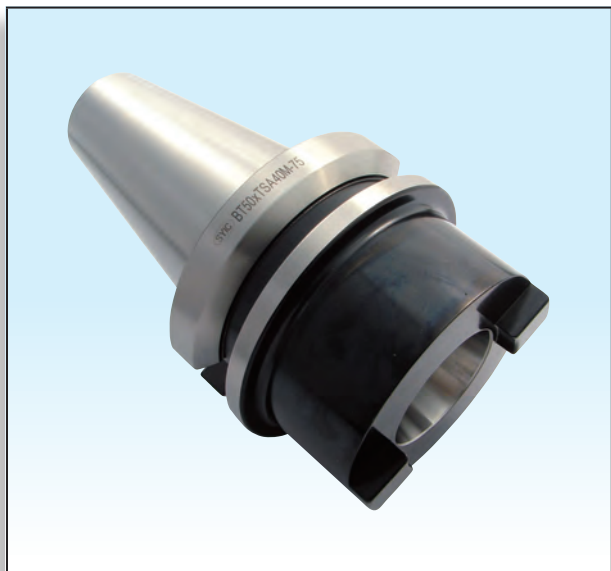
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 19205	BT40 x SOM6 - 60	125.4	25	23.4	6.5	13	15.1	M6 x 1.0P	1.1
SYIC - 19206	BT40 x SOM8 - 60			23.4	8.5	15	17.1	M8 x 1.25P	1.1
SYIC - 19208	BT40 x SOM10 - 60			23.4	10.5	19	21.1	M10 x 1.5P	1.2
SYIC - 19210	BT40 x SOM12 - 70	135.4	31	31.5	12.5	21	22.8	M12 x 1.75P	1.2
SYIC - 19212	BT40 x SOM12 - 100	165.4		42.4	12.5	21	23.8	M12 x 1.75P	1.3
SYIC - 19214	BT40 x SOM16 - 80	145.4	30	48.2	17	25	29.1	M16 x 2.0P	1.2
SYIC - 19230	BT50 x SOM6 - 60	161.8	25	12.4	6.5	13	14.1	M6 x 1.0P	3.0
SYIC - 19232	BT50 x SOM8 - 60			12.4	8.5	15	16.1	M8 x 1.25P	3.0
SYIC - 19234	BT50 x SOM10 - 60			12.4	10.5	19	20.1	M10 x 1.5P	3.0
SYIC - 19236	BT50 x SOM12 - 70	171.8	31	22.4	12.5	21	22.9	M12 x 1.75P	3.0
SYIC - 19238	BT50 x SOM12 - 100	201.8		52.4	12.5	21	25.6	M12 x 1.75P	3.0
SYIC - 19240	BT50 x SOM16 - 80	181.8	30	32.4	17	25	27.7	M16 x 2.0P	3.0

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUD
P.J-46	P.J-46	P.J-47	P.J-47	P.J-2

SYIC-19700

BT 套筒



MODEL NO.	TYPE TAPER x d ₁	L	l ₁	d ₂	k ₁	k ₂	T	NO.	WEIGHT (KGS)	
SYIC - 19710	BT40 x TSA30M - 75	146.4	75	50	6	15.9	M12 x 1.75P	#30	1.8	
SYIC - 19712	BT40 x TSA30U - 75						1/2" - 12		1.8	
SYIC - 11.501.32.030	BT40 x PSC32 - 30	95.4	30	32	-	-	M12 x 1.5P	PSC32	1.6	
SYIC - 11.501.40.030	BT40 x PSC40 - 30			40			M14 x 1.5P	PSC40	1.6	
SYIC - 11.501.50.030	BT40 x PSC50 - 30			50			M16 x 1.5P	PSC50	1.6	
SYIC - 11.501.63.030	BT40 x PSC63 - 75	140.4	75	63	6	15.9	M20 x 2.0P	PSC63	1.8	
SYIC - 19722	BT50 x TSA30M - 75	182.8	75	85			6	M12 x 1.75P	#30	5.0
SYIC - 19724	BT50 x TSA30U - 75							1/2" - 12		5.0
SYIC - 19726	BT50 x TSA40M - 75	184.8					8	M16 x 2.0P	#40	4.6
SYIC - 19728	BT50 x TSA40U - 75				5/8" - 11	4.6				
SYIC - 12.501.32.040	BT50 x PSC32 - 40	141.8	40	32	-	-	M12 x 1.5P	PSC32	4.6	
SYIC - 12.501.40.040	BT50 x PSC40 - 40			40			M14 x 1.5P	PSC40	4.6	
SYIC - 12.501.50.040	BT50 x PSC50 - 40			50			M16 x 1.5P	PSC50	4.6	
SYIC - 12.501.63.100	BT50 x PSC63 - 100	201.8	100	63	-	-	M20 x 2.0P	PSC63	5.0	
SYIC - 12.501.63.150	BT50 x PSC63 - 150	251.8	150						5.2	
SYIC - 12.501.63.200	BT50 x PSC63 - 200	301.8	200						5.4	
SYIC - 12.501.63.250	BT50 x PSC63 - 250	351.8	250						5.6	

Option

PULL STUD



P.J-2



ANSI B5.50

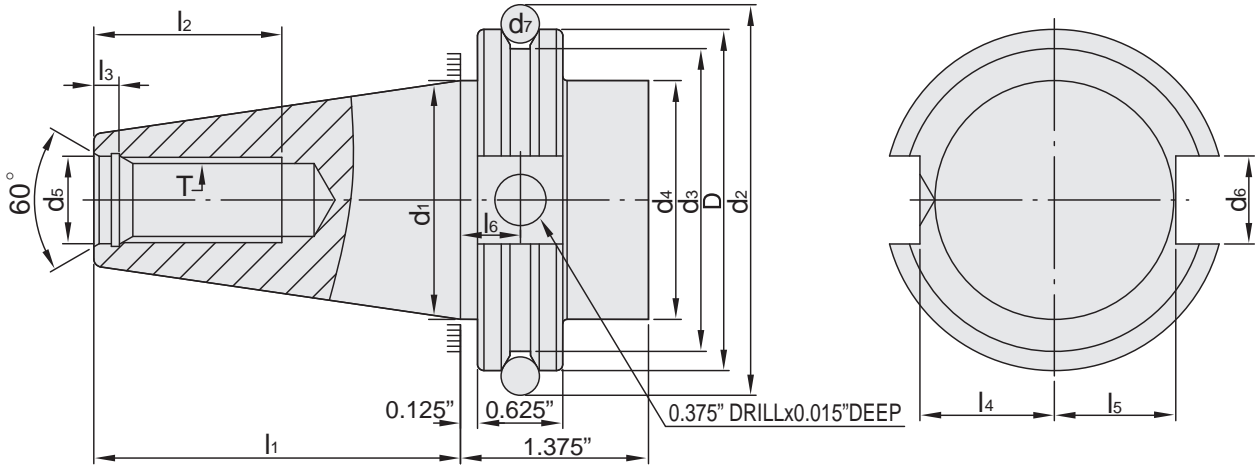
CAT

TOOL HOLDER SYSTEM

22000	CAT / EOC COLLET CHUCK	B-3
22200	CAT / ER COLLET CHUCK	B-4,B-5
22350	CAT / ER COLLET CHUCK M TYPE	B-6
22400	CAT / SPU DRILL CHUCK ADAPTER	B-7
22450	CAT / SPH DRILL CHUCK ADAPTER INTEGRATED TYPE	B-8
22500	CAT DRILL CHUCK ARBOR	B-9
22600	CAT MORSE TAPER ADAPTER	B-10
22700	CAT FACE MILL ARBOR	B-11
22900	CAT / SLN SIDE LOCK END MILL HOLDER	B-12
23000	CAT / TG COLLET CHUCK	B-13
23100	CAT EXPANSION ER TAPPER	B-14
23200G	CAT / MLD MULTI - LOCK MILLING CHUCK	B-15
23650	CAT / SBL SLIM-FIT COLLET CHUCK	B-16
23700	CAT / SKS COLLET CHUCK	B-17
28000	CAT / SIDE LOCK OIL HOLE HOLDER	B-18
28200	CAT / ER OIL HOLE COLLET CHUCK	B-19
29300	CAT / SOM SCREWED END MILL HOLDER	B-20
51.501	CAT / PSC ADAPTER	B-21



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 μm
5. Surface roughness: Ra < 0.25 μm
6. The shank has pre-balance at G6.3 and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard: ANSI B5.50



CAT / EOC COLLET CHUCK

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SYIC-22000

CAT / EOC 立銑刀夾頭

DIN ISO 10897

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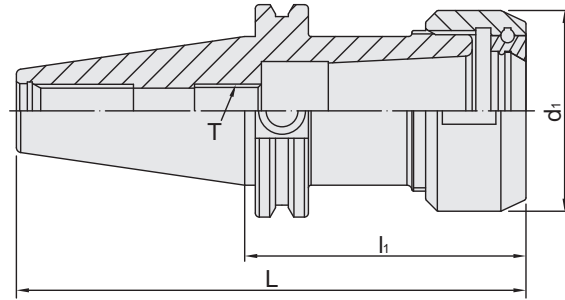


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T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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- Each collet chuck has been locked with a nut, but not including a spanner and collet.
- The DRAW BAR's thread 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, Power Good Nuts could be purchased separately for combination.

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INCHES

MODEL NO.	TYPE - I ₁	L	d ₁	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 22011	CAT40 x EOC25 - 3.15"	5.837	2.362	φ 0.125 - φ 1.000	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	φ 0.125 - φ 1.000		1.95
SYIC - 22017	CAT40 x EOC32 - 4"	6.687				2.35
SYIC - 22021	CAT50 x EOC25 - 3.15"	7.15	2.362	φ 0.125 - φ 1.000	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	φ 0.125 - φ 1.000	M24 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 STUD	PRESET SCREW
P.J-20	P.J-28	P.J-34	P.J-3	P.J-59

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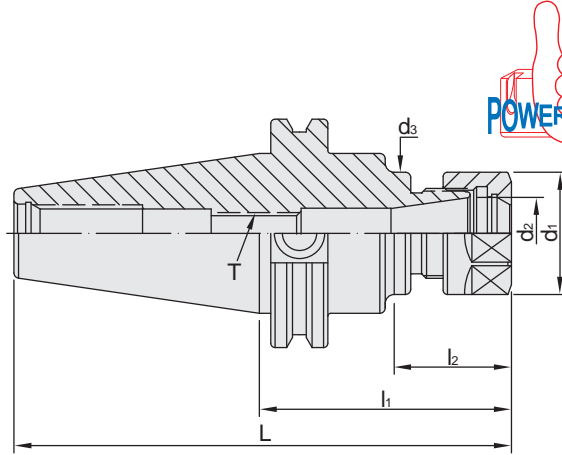
SYIC-22200

CAT / ER 立銑刀夾頭

DIN ISO 15488

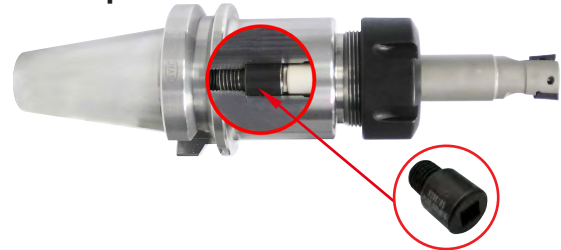


T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Thread with precise grinding.
- 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.

More options:



PowerLOC Square Shank Adapter

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 22224	CAT40 x ER16A - 2"	4.687	1.211	1.102	0.63	1.1	M10 x 1.5P	0.0156 ~ 0.375	1.00
SYIC - 22225	CAT40 x ER16A - 2.76"	5.447	1.283						1.05
SYIC - 22227	CAT40 x ER16A - 4"	6.687	2.135						1.35
SYIC - 22231	CAT40 x ER16A - 6"	8.687	4.135						1.65
SYIC - 22233	CAT40 x ER16A - 8"	10.687	6.135						1.85
SYIC - 22235	CAT40 x ER20A - 2.76"	5.447	1.284	1.339	0.788	1.34	M12 x 1.75P	0.0625 ~ 0.5	1.25
SYIC - 22237	CAT40 x ER20A - 4"	6.687	2.367						1.65
SYIC - 22239	CAT40 x ER20A - 6"	8.687	4.334						1.85
SYIC - 22243	CAT40 x ER25 - 2.76"	5.447	1.382	1.654	0.984	1.75	M16 x 2.0P	0.0625 ~ 0.625	1.35
SYIC - 22245	CAT40 x ER25 - 4"	6.687	2.573			1.65			1.70
SYIC - 22247	CAT40 x ER25 - 6"	8.687	4.622			2.25			
SYIC - 22251	CAT40 x ER25 - 8"	10.687	6.622			2.55			
SYIC - 22253	CAT40 x ER32 - 2.76"	5.447	1.382	1.969	1.26	1.75	M20 x 2.0P	0.125 ~ 0.75	1.16
SYIC - 22254	CAT40 x ER32 - 3"	5.687	1.622						1.50
SYIC - 22255	CAT40 x ER32 - 4"	6.687	2.622						1.75
SYIC - 22257	CAT40 x ER32 - 6"	8.687	4.622						2.15
SYIC - 22259	CAT40 x ER32 - 8"	10.687	6.622						2.70
SYIC - 22261	CAT40 x ER40 - 3.15"	5.837	1.772	2.48	1.575	1.75	M24 x 2.0P	0.125 ~ 1.00	1.25
SYIC - 22263	CAT40 x ER40 - 4"	6.687	2.543			2.36			1.80
SYIC - 22265	CAT40 x ER40 - 6"	8.687	4.543			2.90			
SYIC - 22269	CAT40 x ER50 - 4"	6.687	2.543	3.07	1.969	2.523	M24 x 2.0P	0.25 ~ 1.25	2.65

Standard Accessory: • STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-3	P.J-59	P.J-29

SYIC-22200

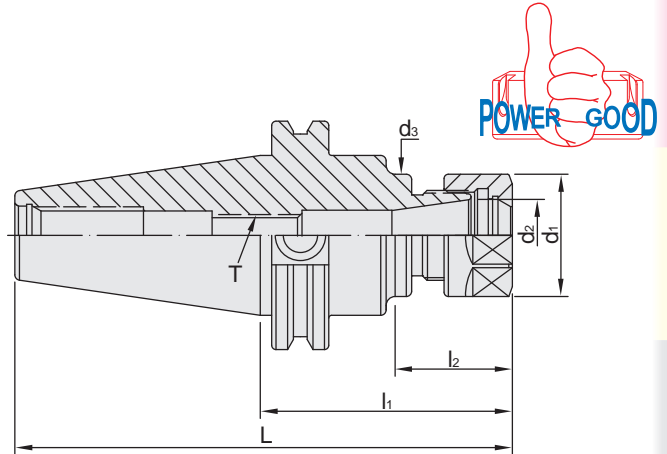
CAT / ER 立銑刀夾頭

DIN ISO 15488

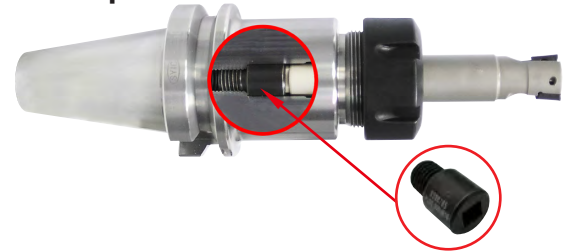


- Thread with precise grinding.
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

Holding power is improved a lot!



More options:



PowerLOC Square Shank Adapter

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 22280	CAT50 x ER16A - 3"	7	1.425	1.102	0.63	1.1	M10 x 1.5P	0.0156 ~ 0.375	4.05
SYIC - 22281	CAT50 x ER16A - 4"	8	2.065						4.20
SYIC - 22283	CAT50 x ER16A - 5"	9	3.065						4.30
SYIC - 22285	CAT50 x ER16A - 6"	10	4.289						4.40
SYIC - 22287	CAT50 x ER16A - 8"	12	6.147						4.50
SYIC - 22291	CAT50 x ER20A - 4"	8	2.065	1.339	0.788	1.34	M12 x 1.75P	0.0625 ~ 0.5	4.20
SYIC - 22293	CAT50 x ER20A - 6"	10	4.146						4.45
SYIC - 22295	CAT50 x ER20A - 8"	12	6.065						4.60
SYIC - 22303	CAT50 x ER25 - 4"	8	2.5	1.654	0.984	1.65	M16 x 2.0P	0.0625 ~ 0.625	4.15
SYIC - 22305	CAT50 x ER25 - 6"	10	3.913						4.50
SYIC - 22307	CAT50 x ER25 - 8"	12	5.910						4.70
SYIC - 22311	CAT50 x ER32 - 4"	8	2.149	1.969	1.26	1.97	M16 x 2.0P	0.125 ~ 0.75	4.35
SYIC - 22313	CAT50 x ER32 - 6"	10	4.152						4.60
SYIC - 22317	CAT50 x ER32 - 8"	12	6.068						4.90
SYIC - 22321	CAT50 x ER40 - 4"	8	2.347	2.48	1.575	2.36	M20 x 2.0P	0.125 ~ 1.00	5.26
SYIC - 22325	CAT50 x ER40 - 6"	10	4.431						6.36
SYIC - 22327	CAT50 x ER40 - 8"	12	6.428						5.10
SYIC - 22331	CAT50 x ER50 - 4"	8	2.622	3.07	1.969	2.75	M24 x 2.0P	0.25 ~ 1.25	4.85
SYIC - 22335	CAT50 x ER50 - 6"	10	4.622						5.55

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-3	P.J-59	P.J-29

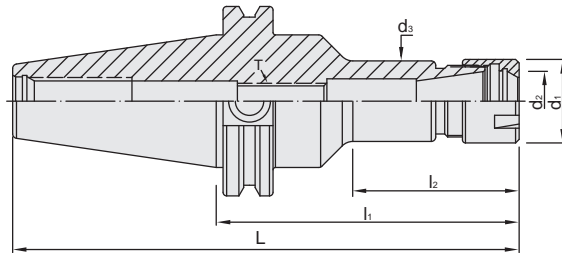
SYIC-22350

M型 CAT / ER 立銑刀夾頭

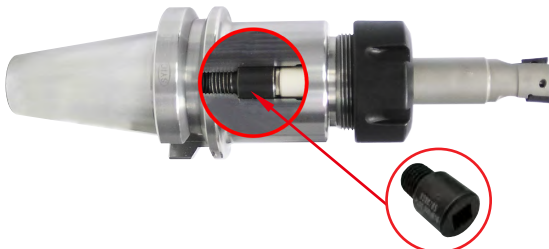
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 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



More options:



PowerLOC Square Shank Adapter

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

- 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.

Holding power is improved a lot!

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 22352	CAT40 x ER11M - 2.75"	5.437	1.175	0.63	0.433	0.59	0.062 ~ 0.281	M6 x 1.0P	1.1
SYIC - 22354	CAT40 x ER11M - 4"	6.687	2.228						1.2
SYIC - 22356	CAT40 x ER16M - 2.76"	5.447	1.323	0.87	0.63	0.83	0.0156 ~ 0.375	M10 x 1.5P	1.2
SYIC - 22358	CAT40 x ER16M - 4"	6.687	2.425						1.3
SYIC - 22360	CAT40 x ER20M - 2.76"	5.447	1.323	1.102	0.79	1.06	0.0625 ~ 0.5	M12 x 1.75P	1.2
SYIC - 22362	CAT40 x ER20M - 4"	6.687	2.196						1.5
SYIC - 22364	CAT50 x ER16M - 4"	8	1.927	0.87	0.63	0.83	0.0156 ~ 0.375	M10 x 1.5P	3.9
SYIC - 22366	CAT50 x ER16M - 6"	10	4.008						4.0
SYIC - 22368	CAT50 x ER20M - 4"	8	2.127	1.102	0.79	1.06	0.0625 ~ 0.5	M12 x 1.75P	4.2
SYIC - 22370	CAT50 x ER20M - 6"	10	4.127						5.2

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-3	P.J-59



CAT / SPU DRILL CHUCK ADAPTER

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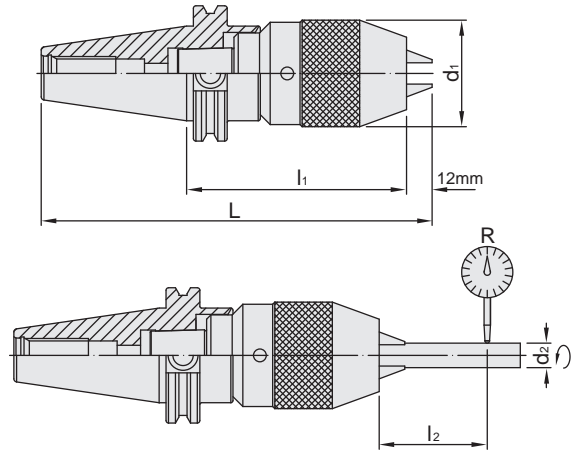
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SYIC-22400

CAT / SPU 直結式鑽夾頭



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	7.159	1.969	2.615	0.394	0.00157	1.95
SYIC - 22404	CAT40 x SPU5/8" - 4.6"	4.6	7.759		3.149	3.215		2.25
SYIC - 22405	CAT50 x SPU1/2" - 4"	4	8.472		2.953	0.512		4.35

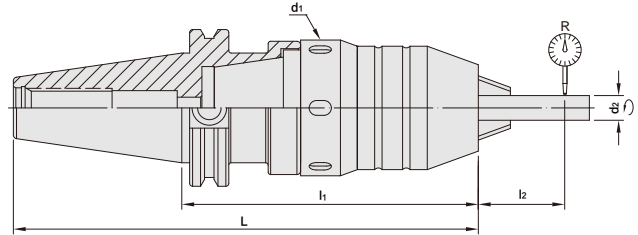
Standard Accessory: ● SPANNER

Option

SPANNER	PULL STUD
P.J-35	P.J-3

SYIC-22450

CAT / SPH 直結式鑽夾頭



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	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 22454	CAT40 x SPH5/16" - 4"	6.69	2.16	1.65	0.24	0.04	1.85
SYIC - 22458	CAT40 x SPH1/2" - 4.75"	7.44	2.95	2.13	0.51		2.10
SYIC - 22462	CAT40 x SPH5/8" - 6"	8.69	3.15	2.44	0.51		2.95
SYIC - 22470	CAT50 x SPH5/16" - 4"	8	2.16	1.65	0.24		2.10
SYIC - 22474	CAT50 x SPH1/2" - 4.25"	8.25	2.95	2.13	0.51		2.85
SYIC - 22478	CAT50 x SPH5/8" - 4.5"	8.5	3.15	2.44	0.51		3.45

Standard Accessory: ● SPANNER

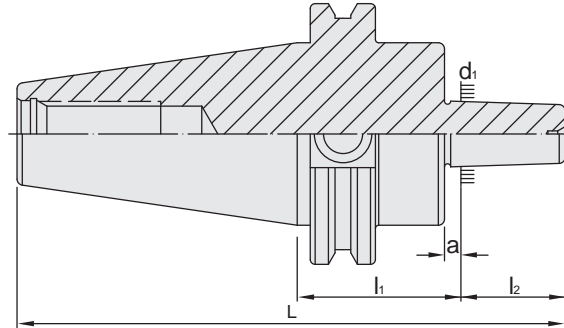
Option

PULL STUD



SYIC-22500

CAT 鑽夾頭刀柄



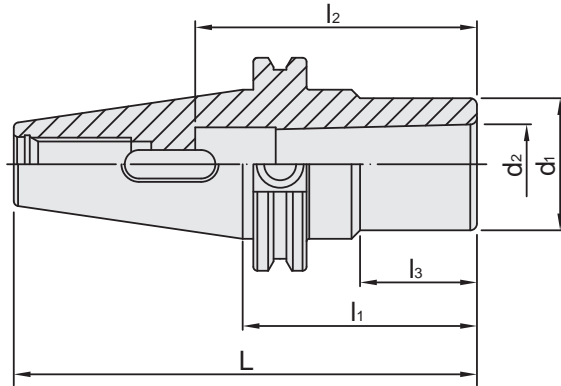
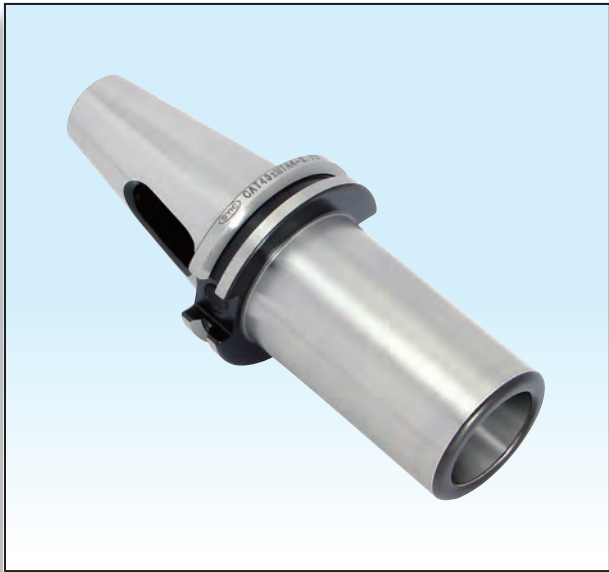
- The pre-balance can reach G6.3 10,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For Drill Chuck with DIN 238.

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	a	WEIGHT (KGS)
SYIC - 22511	CAT40 x JTA2 - 1.57"	5.132	0.875	0.559	0.157	1.25
SYIC - 22512	CAT40 x JTA3 - 1.57"	5.475	1.219	0.811	0.197	1.25
SYIC - 22513	CAT40 x JTA6 - 1.57"	5.257	1.000	0.676	0.157	1.25
SYIC - 22515	CAT40 x JTA33 - 1.57"	5.257		0.624		1.25
SYIC - 22521	CAT50 x JTA2 - 1.57"	6.445	0.875	0.559		3.55
SYIC - 22523	CAT50 x JTA6 - 1.57"	6.57	1.000	0.676	3.65	
SYIC - 22525	CAT50 x JTA33 - 1.57"			0.624	3.65	
SYIC - 22527	CAT50 x JTA3 - 1.57"	6.789	1.219	0.811	0.197	3.65

Option

PULL STUD	KEYLESS DRILL CHUCK
 P.J-3	 P.J-53



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

INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	WEIGHT (KGS)
SYIC - 22611	CAT40 x MTA1 - 1.6"	4.287	2.205	0.124	1	0.475	1.30
SYIC - 22613	CAT40 x MTA2 - 2"	4.687	2.638	0.323	1.25	0.7	1.50
SYIC - 22615	CAT40 x MTA3 - 2.75"	5.437	3.307	1.287	1.575	0.938	1.15
SYIC - 22617	CAT40 x MTA4 - 3.75"	6.437	4.213	2.372	1.75	1.23	1.20
SYIC - 22621	CAT50 x MTA1 - 2"	6	2.205	0.504	1	0.475	4.05
SYIC - 22623	CAT50 x MTA2 - 2"	6	2.638	0.504	1.25	0.7	4.40
SYIC - 22625	CAT50 x MTA3 - 2.5"	6.5	3.307	1.004	1.55	0.938	4.50
SYIC - 22627	CAT50 x MTA4 - 3.3"	7.3	4.213	1.804	1.75	1.23	4.90
SYIC - 22629	CAT50 x MTA5 - 4.1"	8.1	5.236	2.587	2.48	1.748	5.15

Option

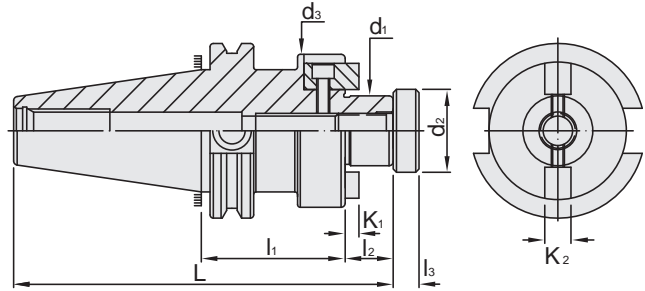
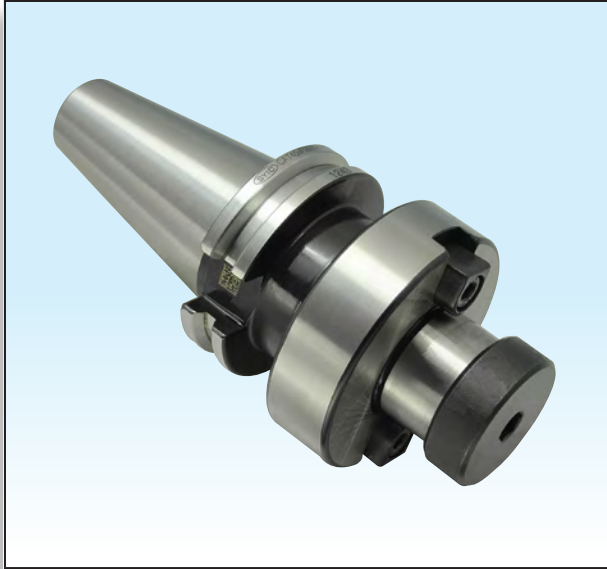
PULL STUD



P.J-3

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	0.875	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	1.1875	2.19		0.375	1.45	
SYIC - 22713 - 4	CAT40 x FMA1" - 4"	7.374							2.00	
SYIC - 22713 - 6	CAT40 x FMA1" - 6"	9.374							2.75	
SYIC - 22715	CAT40 x FMA1-1/4" - 2.21"	5.584			1.5	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"	5.834	0.938	0.807	1.875	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	0.687	0.512	0.875	-	0.188	0.3125	4.20	
SYIC - 22721 - 3.5	CAT50 x FMA3/4" - 3.5"	8.187				1.69			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	1.1875	2.19		0.375	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			1.5	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	5.10							
SYIC - 22727	CAT50 x FMA1-1/2" - 2.4"	7.338	0.938	0.807	1.875	3.81	0.349	0.625	5.00	
SYIC - 22727 - 4	CAT50 x FMA1-1/2" - 4"	8.938							5.20	
SYIC - 22727 - 6	CAT50 x FMA1-1/2" - 6"	10.938							5.40	
SYIC - 22729	CAT50 x FMA2" - 2.4"	7.338	0.938	0.807	2.5	4.88	0.384	0.75	5.40	
SYIC - 22729 - 4	CAT50 x FMA2" - 4"	8.938							5.60	

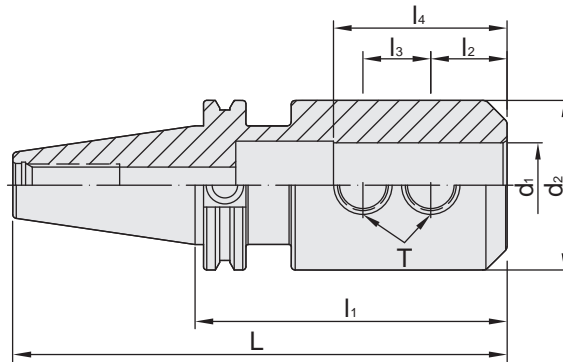
Option

PULL STUD	SHELL MILL SCREWS
P.J-3	P.J-60

SYIC-22900

CAT / SLN 側固式立銑刀柄

INCHES



- Internal hole tolerance : H5(DIN-1835-B standard).
- The tolerance of tool shank diameter is within h6.
- 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.

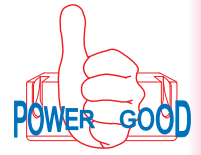
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	l ₄	d ₂	T	WEIGHT (KGS)
SYIC - 22907	CAT40 x SLN1/8" - 2.375"	5.062	0.37		0.787	0.69	6# - 32	1.15
SYIC - 22909	CAT40 x SLN3/16" - 2.5"	5.187	0.562		0.984		8# - 32	1.20
SYIC - 22911	CAT40 x SLN1/4" - 3"	5.687	0.63	-	1.38	0.78	1/4 - 28	1.15
SYIC - 22913	CAT40 x SLN5/16" - 3"		0.6			0.88	5/16 - 24	1.20
SYIC - 22915	CAT40 x SLN3/8" - 3"		0.75		1.535	1	3/8 - 24	1.18
SYIC - 22917	CAT40 x SLN1/2" - 3"		0.875		1.732	1.25	7/16 - 20	1.40
SYIC - 22919	CAT40 x SLN5/8" - 3"		0.937		1.85	1.5	1/2 - 20	1.50
SYIC - 22921 - 3	CAT40 x SLN3/4" - 3"		6.187		1	1.929	1.75	5/8 - 18
SYIC - 22921	CAT40 x SLN3/4" - 3.5"	1.70						
SYIC - 22923	CAT40 x SLN7/8" - 3.5"	2.55						
SYIC - 22925	CAT40 x SLN1" - 4"	6.687	1.125	1	2.56	2	3/4 - 16	2.80
SYIC - 22927	CAT40 x SLN1-1/4" - 4.6"	7.287				2.5		2.90
SYIC - 22929	CAT40 x SLN1-1/2" - 4.5"	7.187				3.20		
SYIC - 22931	CAT50 x SLN1/4" - 4"	8	0.63	-	1.378	0.78	1/4 - 28	3.95
SYIC - 22933	CAT50 x SLN5/16" - 4"		0.6			0.88	5/16 - 24	3.95
SYIC - 22935	CAT50 x SLN3/8" - 4"		0.781		1.535	1	3/8 - 24	4.00
SYIC - 22937	CAT50 x SLN1/2" - 4"		0.875		1.732	1.25	7/16 - 20	4.15
SYIC - 22939	CAT50 x SLN5/8" - 4"		0.937		1.85	1.5	1/2 - 20	4.30
SYIC - 22941	CAT50 x SLN3/4" - 4"		1		1.929	1.75	5/8 - 18	4.35
SYIC - 22943	CAT50 x SLN7/8" - 4"	1.063	0.875	2.362	1.88	5.30		
SYIC - 22945	CAT50 x SLN1" - 4"	8.6	1.125	1	2.56	2	3/4 - 16	5.50
SYIC - 22947 - 4	CAT50 x SLN1-1/4" - 4"				2.756	2.5		5.65
SYIC - 22947	CAT50 x SLN1-1/4" - 4.6"				5.70			
SYIC - 22949	CAT50 x SLN1-1/2" - 4.6"	8.6					5.70	
SYIC - 22951	CAT50 x SLN2" - 6"	10	1.41	1.5	3.347	3.75	1 - 14	5.90

Option

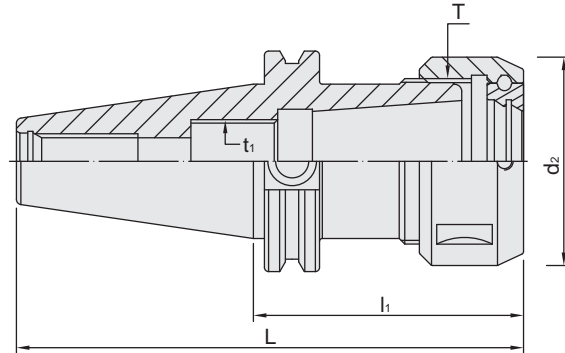
PULL STUD	LOCK SCREW
P.J-3	P.J-61

SYIC-23000

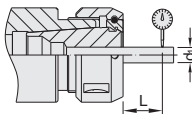
CAT / TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

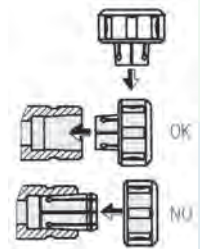


d ₁ TEST BAR DIAMETER		L	CONCENTRICITY
MIN.	MAX.		
3	6	16	0.01
6	10	25	
10	18	40	
18	24	50	0.01
24	32	60	



- ★ 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	SIZE RANGE	WEIGHT (KGS)			
SYIC - 23008	CAT40 x TG75 - 2.75"	5.437	M16x2.0P	TW 1-1/2" - 12	1.968	0.125 ~ 0.75	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	M24x2.0P	TW 1-7/8" - 12	2.362	0.094 ~ 1.00	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		TW 2-5/8" - 12	3.228	0.5 ~ 1.5	2.90			
SYIC - 23022	CAT40 x TG150 - 6"	8.687					3.70			
SYIC - 23030	CAT50 x TG100 - 3"	7					3.25			
SYIC - 23032	CAT50 x TG100 - 4"	8	M24x2.0P	TW 1-7/8" - 12	2.362	0.094 ~ 1.00	4.40			
SYIC - 23034	CAT50 x TG100 - 6"	10					5.30			
SYIC - 23036	CAT50 x TG150 - 5"	9					5.70			
SYIC - 23038	CAT50 x TG150 - 6"	10					TW 2-5/8" - 12	3.228	0.5 ~ 1.5	6.10
SYIC - 23040	CAT50 x TG150 - 7"	11								6.50

Standard Accessory: ● STANDARD NUT
 Option

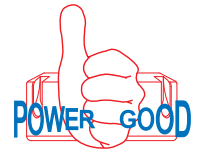
COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-22	P.J-28	P.J-35	P.J-3	P.J-59



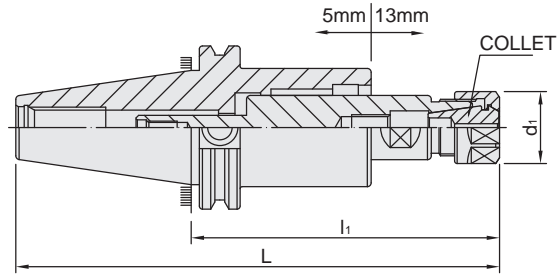
CAT EXPANSION ER TAPPER

SYIC-23100

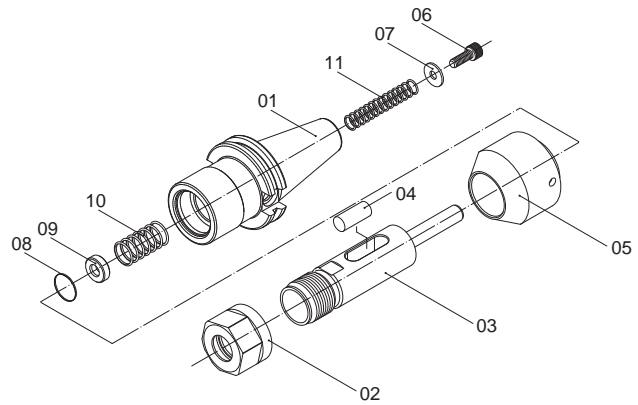
CAT / ETP 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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	1.76
SYIC - 23116	CAT50 x ETP20 - 4"	8	4				1.732
SYIC - 23118	CAT50 x ETP20 - 6"	10	6	2.205	ER32	0.125 - 1.0625	
SYIC - 23120	CAT50 x ETP32 - 4.75"	8.75	4.75				

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-11	P.J-25	P.J-34	P.J-3	P.J-59



STRAIGHT COLLET CAT / MLD MULTI - LOCK MILLING CHUCK

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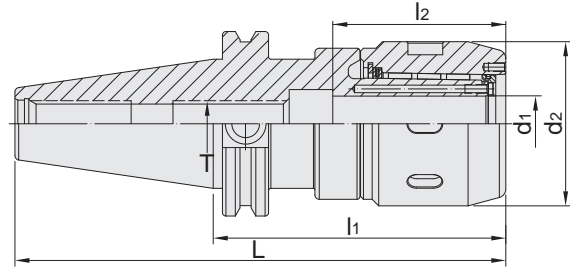
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SYIC-23200G

CAT / MLD 直式筒夾 銑床夾頭



T W PAT NO. M447277
T W PAT NO. M430337



- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.



- The design of coolant grooves improves the cooling and metal chips removal capability.

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	T	d ₁	d ₂	WEIGHT (KGS)
SYIC - 23202G	CAT40 x MLD3/4" - 4"	6.687	4	2.380	5/8" - 11	0.75	2.224	1.9
SYIC - 23203G	CAT40 x MLD3/4" - 6"	8.687	6					2.1
SYIC - 23210G	CAT40 x MLD1-1/4" - 4.2"	6.887	4.2	2.799		1.25	2.795	2.5
SYIC - 23212G	CAT40 x MLD1-1/4" - 6"	8.687	6		2.7			
SYIC - 23214G	CAT50 x MLD3/4" - 4"	8	4	2.380	5/8" - 11	0.75	2.224	2.5
SYIC - 23216G	CAT50 x MLD3/4" - 6"	10	6	2.44				2.8
SYIC - 23222G	CAT50 x MLD1-1/4" - 4.13"	8.13	4.13	2.799	1" - 8	1.25	2.795	2.7
SYIC - 23224G	CAT50 x MLD1-1/4" - 6"	10	6		5/8" - 11			3.0

Standard Accessory: • NUT • PRESET SCREW

Option

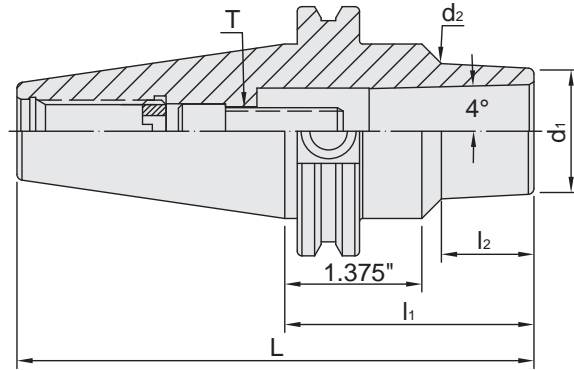
COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	PULL STUD	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-3	P.J-59

SYIC-23650

CAT / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178



• SCREW TIGHTENING TORQUE

TYPE	T	TORQUE	
		N.m	1bf-ft
SBL6	M6 x 1.0P	12	9
SBL12	M10 x 1.5P	59	43
SBL20	M12 x 1.75P	100	74

- 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

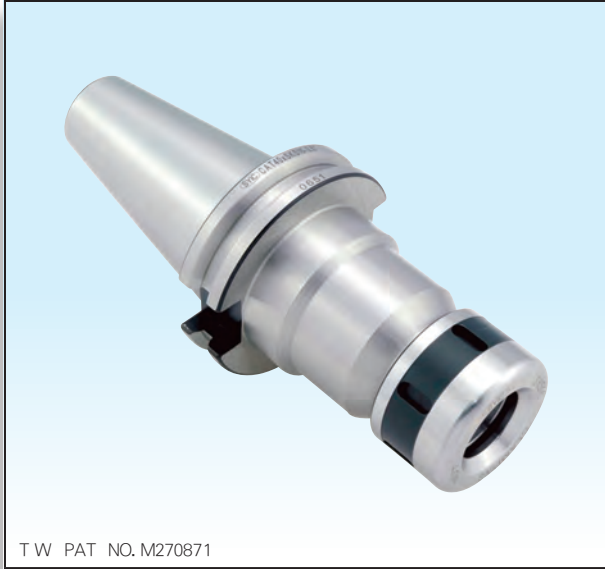
MODEL NO.	TYPE	L	l ₂	d ₁	d ₂	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 23654	CAT40 x SBL6 - 3"	5.687	1.094	0.551	0.648	0.125 ~ 0.25	M6 x 1.0P	1.00
SYIC - 23656	CAT40 x SBL6 - 4"	6.687	2.119		0.738			1.25
SYIC - 23658	CAT40 x SBL6 - 6"	8.687	4.174		0.917			1.20
SYIC - 23660	CAT40 x SBL12 - 2.5"	5.187	0.824	1.024	1.153	0.125 ~ 0.5	M10 x 1.5P	1.45
SYIC - 23662	CAT40 x SBL12 - 4"	6.687	2.233		1.258			1.20
SYIC - 23664	CAT40 x SBL12 - 6"	8.687	4.494		1.495			1.45
SYIC - 23666	CAT40 x SBL20 - 2.5"	5.187	0.979	1.380	1.463	0.125 ~ 0.75	M12 x 1.75P	1.20
SYIC - 23668	CAT40 x SBL20 - 4"	6.687	2.547	1.378	1.600			1.60
SYIC - 23670	CAT40 x SBL20 - 6"	8.687	4.622		-			1.50
SYIC - 23672	CAT50 x SBL6 - 3.5"	7.5	1.562	0.551	0.71	0.125 ~ 0.25	M6 x 1.0P	1.70
SYIC - 23674	CAT50 x SBL6 - 4.5"	8.5	2.379		0.800			1.50
SYIC - 23676	CAT50 x SBL6 - 6"	10	3.962		0.966			1.70
SYIC - 23678	CAT50 x SBL12 - 2.5"	6.5	0.934	1.024	1.109	0.125 ~ 0.5	M10 x 1.5P	4.00
SYIC - 23680	CAT50 x SBL12 - 4.5"	8.5	2.746		1.267			4.10
SYIC - 23682	CAT50 x SBL12 - 6"	10	4.246		1.398			4.20
SYIC - 23684	CAT50 x SBL20 - 2.5"	6.5	0.746	1.378	1.443	0.125 ~ 0.75	M12 x 1.75P	4.30
SYIC - 23686	CAT50 x SBL20 - 4.5"	8.5	2.746		1.618			4.60
SYIC - 23688	CAT50 x SBL20 - 6"	10	4.116		1.737			4.70

Option

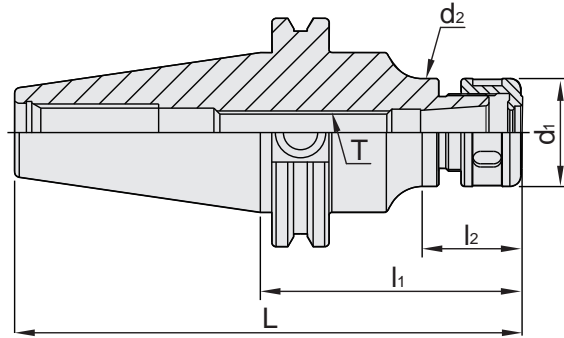
COLLET	SPANNER	PULL STUD
P.J-21	P.J-35	P.J-3

SYIC-23700

CAT / SKS 高速機專用夾頭



T W PAT NO. M270871



- 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	l ₂	SIZE RANGE	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 23712	CAT40 x SKS6 - 3.5"	6.187	1.438	0.0625 ~ 0.1875	0.709	0.708	M8 x 1.25P	1.05
SYIC - 23714	CAT40 x SKS6 - 4"	6.687	1.938					1.65
SYIC - 23716	CAT40 x SKS10 - 3.5"	6.187	1.627	0.125 ~ 0.375	1.181	1.086	M12 x 1.75P	1.05
SYIC - 23718	CAT40 x SKS10 - 4"	6.687	2.127					1.65
SYIC - 23720	CAT40 x SKS13 - 3.5"	6.187	2.004	0.125 ~ 0.5	1.378	1.299		1.05
SYIC - 23720-4	CAT40 x SKS13 - 4"	6.687	2.504					1.65
SYIC - 23722	CAT40 x SKS16 - 3.5"	6.187	2.034	0.125 ~ 0.625	1.574	1.575	M18 x 1.5P	1.35
SYIC - 23724	CAT40 x SKS16 - 4"	6.687	2.534					2.10
SYIC - 23726	CAT40 x SKS20 - 3.5"	6.187	2.122	0.125 ~ 0.75	1.909	1.909	M22 x 1.5P	1.35
SYIC - 23726-4	CAT40 x SKS20 - 4"	6.687	2.622					2.10
SYIC - 23732	CAT40 x SKS25 - 3.5"	6.187	2.122	0.125 ~ 1	2.169	2.165	M28 x 2.0P	1.35
SYIC - 23734	CAT40 x SKS25 - 4"	6.687	2.622					2.20
SYIC - 23742	CAT50 x SKS6 - 3.5"	7.5	1.728	0.0625 ~ 0.1875	0.709	0.708	M8 x 1.25P	3.60
SYIC - 23744	CAT50 x SKS6 - 4"	8	2.228					4.00
SYIC - 23746	CAT50 x SKS10 - 4"	8	2.228	0.125 ~ 0.375	1.181	1.06	M12 x 1.75P	3.80
SYIC - 23748	CAT50 x SKS10 - 4.5"	8.5	2.115					4.00
SYIC - 23750	CAT50 x SKS13 - 4"	8	2.425	0.125 ~ 0.5	1.378	1.299		3.80
SYIC - 23750-4.5	CAT50 x SKS13 - 4.5"	8.5	2.925					4.00
SYIC - 23752	CAT50 x SKS16 - 4"	8	1.871	0.125 ~ 0.625	1.574	1.575	M18 x 1.5P	4.00
SYIC - 23754	CAT50 x SKS16 - 4.5"	8.5	2.371					4.15
SYIC - 23756	CAT50 x SKS20 - 4"	8	2.504	0.125 ~ 0.75	1.909	1.909	M22 x 1.5P	4.00
SYIC - 23756-4.5	CAT50 x SKS20 - 4.5"	8.5	3.004					4.15
SYIC - 23762	CAT50 x SKS25 - 4"	8	2.167	0.125 ~ 1	2.169	2.165	M28 x 2.0P	4.20
SYIC - 23764	CAT50 x SKS25 - 4.5"	8.5	2.667					4.40

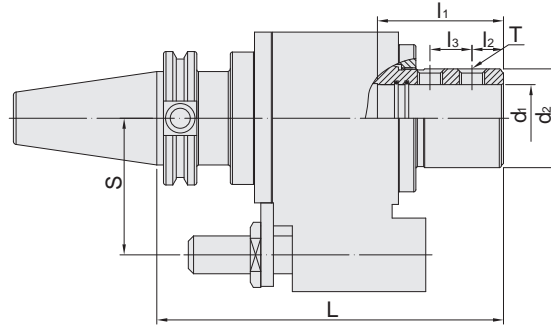
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-3	P.J-59

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.

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"	1.83	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	3.5				
SYIC - 28007	CAT40 x OSL32 - 6.5"	1.85	2.36	0.59	0.79	2.36		3.5
SYIC - 28002	CAT40 x OSL16 - 6.5"S	1.83	1.89	0.98	-			3.5
SYIC - 28004	CAT40 x OSL20 - 6.5"S		1.97					3.5
SYIC - 28006	CAT40 x OSL25 - 6.5"S		2.2	3.5				
SYIC - 28008	CAT40 x OSL32 - 6.5"S	1.85	2.36	0.59	0.79	3.8		
SYIC - 28009	CAT50 x OSL16 - 6.5"	2.2	1.89	0.98	-	3.15	M14 x 2.0P	7.0
SYIC - 28011	CAT50 x OSL20 - 6.5"		1.97				M12 x 1.75P	7.5
SYIC - 28013	CAT50 x OSL25 - 6.5"		2.2	0.59	0.79		M16 x 2.0P	7.5
SYIC - 28015	CAT50 x OSL32 - 6.69"		2.36				7.8	
SYIC - 28017	CAT50 x OSL40 - 6.69"		2.44	0.98	M14 x 2.0P		8.5	
SYIC - 28019	CAT50 x OSL16 - 6.5"M		1.89	0.98			-	7.1
SYIC - 28021	CAT50 x OSL20 - 6.5"M		1.97	0.59	0.79	3.23	M12 x 1.75P	7.6
SYIC - 28023	CAT50 x OSL25 - 6.5"M		2.2				M16 x 2.0P	7.7
SYIC - 28025	CAT50 x OSL32 - 6.69"M		2.36				7.8	
SYIC - 28027	CAT50 x OSL40 - 6.69"M		2.44	0.98	M14 x 2.0P		8.5	
SYIC - 28029	CAT50 x OSL16 - 6.5"L		1.89	0.98			-	7.2
SYIC - 28031	CAT50 x OSL20 - 6.5"L		1.97	0.59	0.79		3.35	M12 x 1.75P
SYIC - 28033	CAT50 x OSL25 - 6.5"L	2.2	M16 x 2.0P			7.8		
SYIC - 28035	CAT50 x OSL32 - 6.69"L	2.36	8.0					
SYIC - 28037	CAT50 x OSL40 - 6.69"L	2.44	0.98			M14 x 2.0P		8.7

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUD	LOCK SCREW
P.J-45	P.J-45	P.J-3	P.J-61



CAT / ER OIL HOLE COLLET CHUCK

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SYIC-28200

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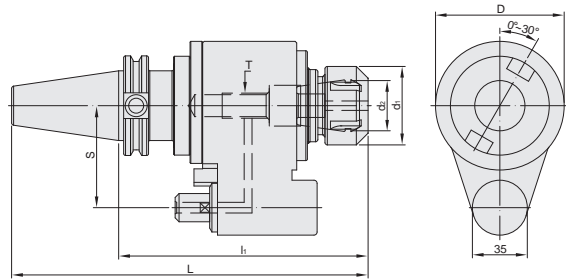
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- First, bolt the coolant screw with the fixed block of machine.
- Please make a reference to SYIC-18292 if you'd like to purchase Fixed Block.

INCHES

MODEL NO.	TYPE	L	l ₁	D	SIZE RANGE	d ₂ ER	S	T	WEIGHT (KGS)
SYIC - 28202	CAT40 x OHER16 - 6.3"	8.987	6.3	3.228	0.0156 ~ 0.375	16	2.56	M10	3.8
SYIC - 28204	CAT40 x OHER20 - 6.3"				0.0625 ~ 0.5	20		M12	4.1
SYIC - 28206	CAT40 x OHER25 - 6.3"				0.0625 ~ 0.625	25		M16	4.3
SYIC - 28208	CAT40 x OHER32 - 6.3"				0.125 ~ 0.75	32			4.5
SYIC - 28210	CAT50 x OHER16 - 6.3"	10.3	6.3	3.858	0.0156 ~ 0.375	16	3.15	M10	7.0
SYIC - 28212	CAT50 x OHER20 - 6.3"				0.0625 ~ 0.5	20		M12	7.1
SYIC - 28214	CAT50 x OHER25 - 6.3"				0.0625 ~ 0.625	25		M16	7.2
SYIC - 28216	CAT50 x OHER32 - 6.3"				0.125 ~ 0.75	32			7.3
SYIC - 28218	CAT50 x OHER40 - 6.3"				0.125 ~ 1.00	40		M20	7.5

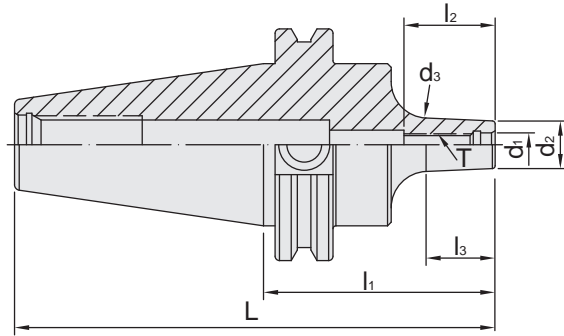
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUD	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-45	P.J-3	P.J-59

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.

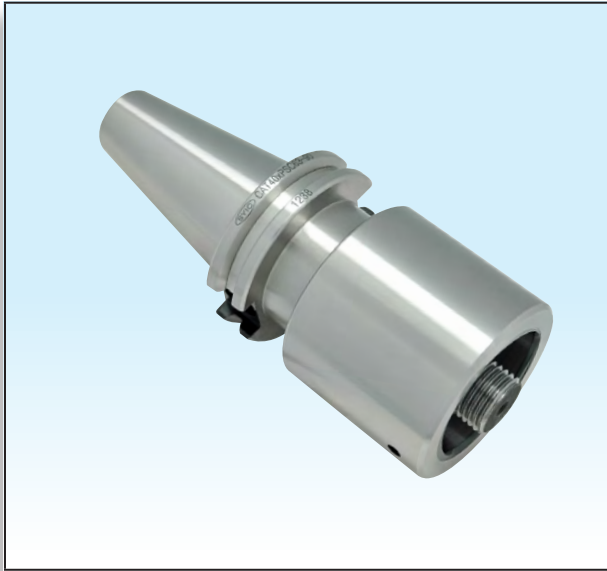
INCHES

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 29330	CAT40 x SOM6 - 2.5"	5.187	0.984	0.933	0.256	0.512	0.593	M6 x 1.0P	1.2
SYIC - 29332	CAT40 x SOM8 - 2.5"				0.335	0.591	0.672	M8 x 1.25P	1.2
SYIC - 29334	CAT40 x SOM10 - 2.5"				0.413	0.748	0.829	M10 x 1.5P	1.2
SYIC - 29336	CAT40 x SOM12 - 3"	5.687	1.22	1.042	0.492	0.827	0.883	M12 x 1.75P	1.3
SYIC - 29338	CAT40 x SOM16 - 3"		1.181	1.433	0.669	0.984	1.106	M16 x 2.0P	1.4
SYIC - 29360	CAT50 x SOM6 - 2.5"	6.5	0.984	0.933	0.256	0.512	0.593	M6 x 1.0P	3.0
SYIC - 29362	CAT50 x SOM8 - 2.5"				0.335	0.591	0.672	M8 x 1.25P	3.0
SYIC - 29364	CAT50 x SOM10 - 2.5"				0.413	0.748	0.829	M10 x 1.5P	3.0
SYIC - 29366	CAT50 x SOM12 - 3"	7	1.22	1.433	0.492	0.827	0.917	M12 x 1.75P	3.1
SYIC - 29368	CAT50 x SOM16 - 3"		1.181		0.669	0.984	1.173	M16 x 2.0P	3.2

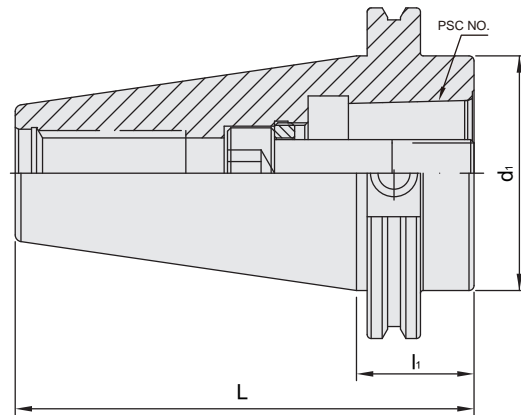
Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUD
P.J-46	P.J-46	P.J-47	P.J-47	P.J-3

SYIC-31.501



CAT 套筒



METRIC

MODEL NO.	TYPE	PSC NO.	L	l ₁	d ₁
SYIC - 31.501.32.035	CAT40 x PSC32 - 35	PSC32	103.249	35	44.45
SYIC - 31.501.40.035	CAT40 x PSC40 - 35	PSC40			
SYIC - 31.501.50.035	CAT40 x PSC50 - 35	PSC50			
SYIC - 31.501.63.090	CAT40 x PSC63 - 90	PSC63	158.249	90	69.85
SYIC - 32.501.32.035	CAT50 x PSC32 - 35	PSC32	136.6	35	
SYIC - 32.501.40.035	CAT50 x PSC40 - 35	PSC40			
SYIC - 32.501.50.035	CAT50 x PSC50 - 35	PSC50			
SYIC - 32.501.63.035	CAT50 x PSC63 - 35	PSC63		35	

INCHES

MODEL NO.	TYPE	PSC NO.	L	l ₁	d ₁
SYIC - 32.501.63.400	CAT50 x PSC63 - 4"	PSC63	7.25	4.00	2.75
SYIC - 32.501.63.600	CAT50 x PSC63 - 6"		9.25	6.00	
SYIC - 32.501.63.800	CAT50 x PSC63 - 8"		11.25	8.00	
SYIC - 32.501.63.100	CAT50 x PSC63 - 10"		13.25	10.0	
SYIC - 32.501.63.120	CAT50 x PSC63 - 12"		15.25	12.0	

Option

PULL STUD



P.J-3

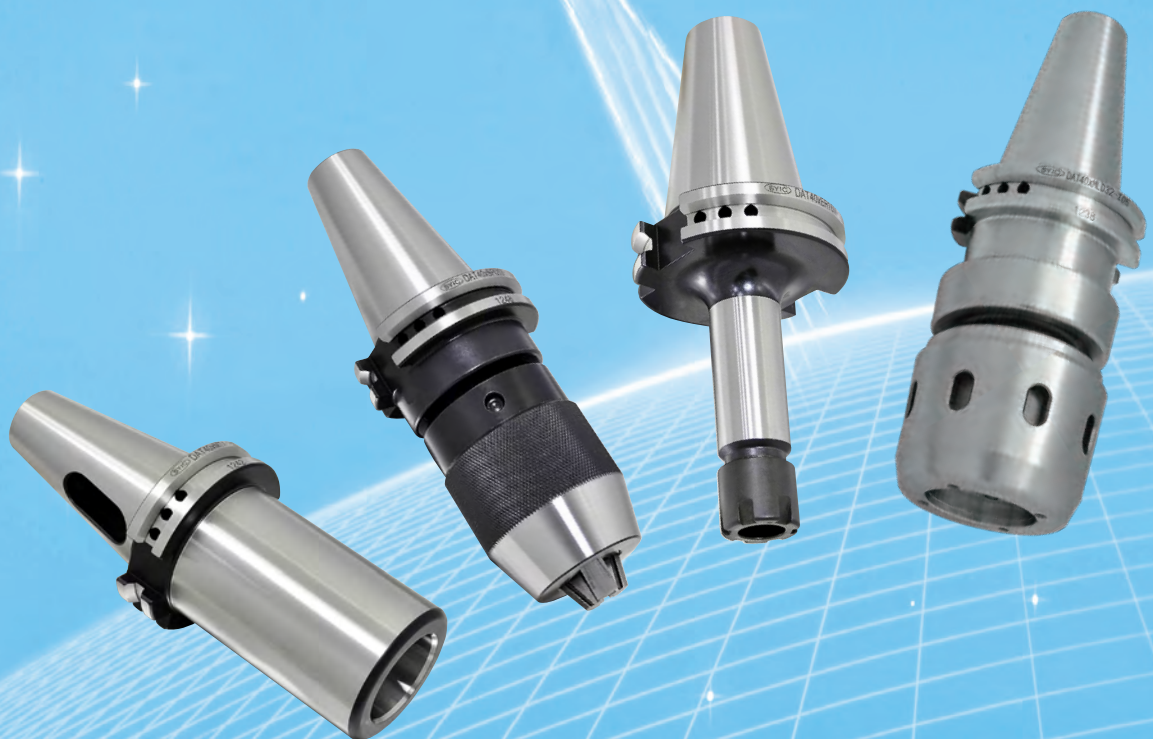


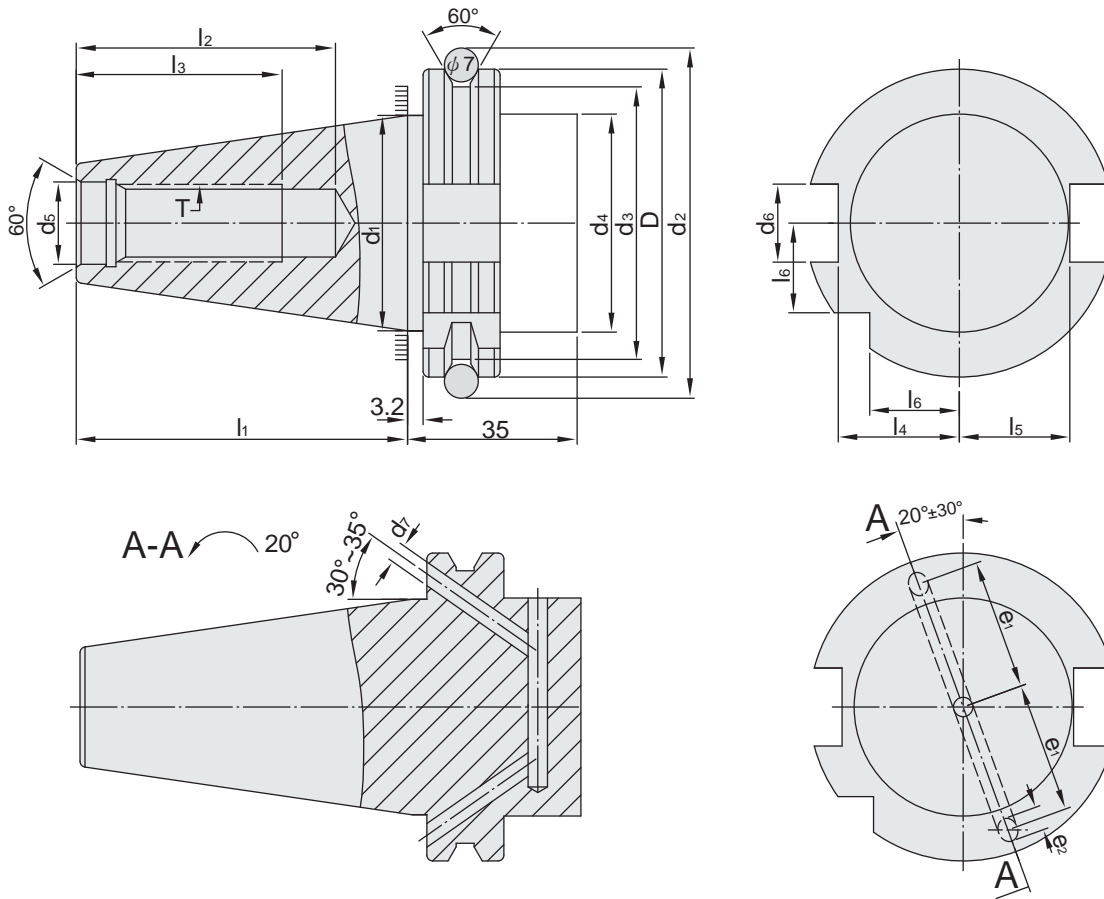
DIN 69871-A

DAT

TOOL HOLDER SYSTEM

41350G	DAT / MLD MULTI - LOCK MILLING CHUCK	C-3
42000	DAT / EOC COLLET CHUCK	C-4
42100	DAT / TG COLLET CHUCK	C-5
42200	DAT / ER COLLET CHUCK	C-6,C-7
42350	DAT EXPANSION ER TAPPER	C-8
42400	DAT / ER COLLET CHUCK M TYPE	C-9,C-10
42480	DAT / SPU DRILL CHUCK ADAPTER	C-11
42500	DAT / SPH DRILL CHUCK ADAPTER INTEGRATED TYPE	C-12
42600	DAT DRILL CHUCK ARBOR	C-13
42650	DAT MORSE TAPER ADAPTER	C-14
42700	DAT FACE MILL ARBOR	C-15
42800	DAT / COMBI SHELL END MILL ARBOR	C-16
42900	DAT SIDE LOCK END MILL HOLDER	C-17
43000	DAT / SKS COLLET CHUCK	C-18,C-19
44000	DAT ADAPTER	C-20
45350	DAT / SBL SLIM-FIT COLLET CHUCK	C-21
48000	DAT / SIDE LOCK OIL HOLE HOLDER	C-22
48200	DAT / ER OIL HOLE COLLET CHUCK	C-23
49200	DAT / SOM SCREWED END MILL HOLDER	C-24





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. The shank has pre-balance at G6.3, and can provide precision balance at G2.5. It can be ordered by request.
7. Shank body standard: DIN 69871



STRAIGHT COLLET DAT / MLD MULTI - LOCK MILLING CHUCK

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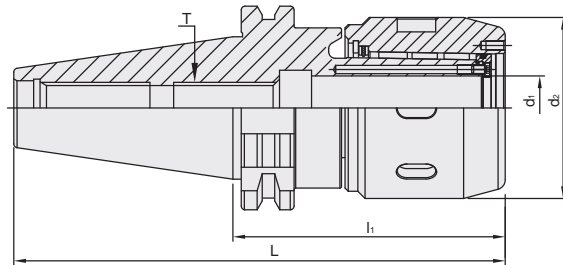
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SYIC-41350G

DAT / MLD 直式筒夾 銑床夾頭



T W PAT NO. M447277
T W PAT NO. M430337

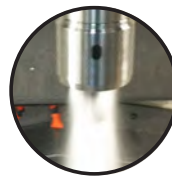


- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.



- The design of coolant grooves improves the cooling and metal chips removal capability.

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 41352G	DAT30 x MLD20 - 85	132.8	85	20	56.5	M12 x 1.75P	1.9
SYIC - 41354G	DAT30 x MLD20 - 100	147.8	100				2.1
SYIC - 41356G	DAT40 x MLD20 - 85	153.4	85	20	56.5	M16 x 2.0P	2.4
SYIC - 41358G	DAT40 x MLD20 - 135	203.4	135				2.5
SYIC - 41364G	DAT40 x MLD32 - 105	173.4	105	32	71		2.7
SYIC - 41366G	DAT40 x MLD32 - 135	203.4	135			3.0	
SYIC - 41368G	DAT50 x MLD20 - 105	206.75	105	20	56.5	M24 x 3.0P	4.5
SYIC - 41370G	DAT50 x MLD20 - 150	251.75	150			M16 x 2.0P	4.9
SYIC - 41376G	DAT50 x MLD32 - 105	206.75	105	32	71	M24 x 3.0P	5.1
SYIC - 41378G	DAT50 x MLD32 - 135	236.75	135			M16 x 2.0P	5.9

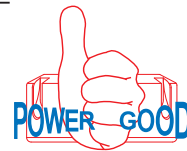
Standard Accessory: • NUT • PRESET SCREW
Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	PULL STUD	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-4	P.J-59

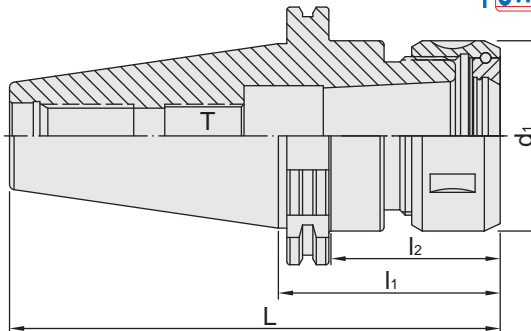
SYIC-42000

DAT / EOC 立銑刀夾頭

DIN ISO 10897



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Each collet chuck has been locked with a nut, but not including a spanner and collet.
- The DRAW BAR's thread 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, Power Good Nuts could be purchased separately for combination.

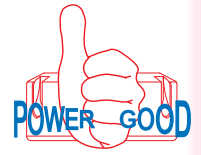
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 42001	DAT30 x EOC25 - 80	127.8	60	60	3.0 ~ 25	M12 x 1.75P	1.50
SYIC - 42011	DAT40 x EOC25 - 80	148.4	60	60	3.0 ~ 25	M16 x 2.0P	1.85
SYIC - 42012	DAT40 x EOC25 - 100	168.4	80				2.30
SYIC - 42013	DAT40 x EOC25 - 120	188.4	100	72	4.0 ~ 32	M20 x 2.0P	2.55
SYIC - 42015	DAT40 x EOC32 - 90	158.4	70				1.95
SYIC - 42017	DAT40 x EOC32 - 120	188.4	100	60	3.0 ~ 25	M16 x 2.0P	2.35
SYIC - 42021	DAT50 x EOC25 - 70	171.75	50				3.25
SYIC - 42023	DAT50 x EOC25 - 140	241.75	115	72	4.0 ~ 32	M24 x 2.0P	5.10
SYIC - 42025	DAT50 x EOC32 - 80	181.75	60				4.40
SYIC - 42027	DAT50 x EOC32 - 140	241.75	120				5.70

Standard Accessory: ● STANDARD NUT
 Option

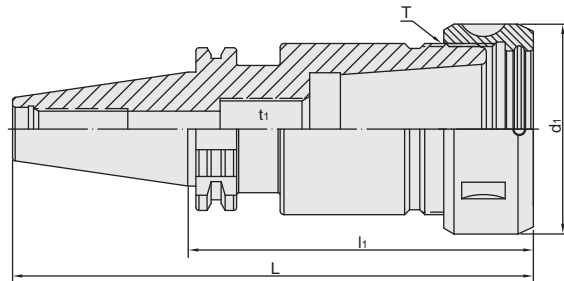
COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-20	P.J-28	P.J-34	P.J-4	P.J-59

SYIC-42100

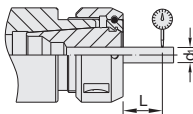
DAT / TG 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

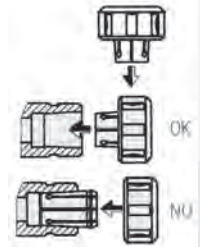


d ₁ TEST BAR DIAMETER		L	CONCENTRICITY
MIN.	MAX.		
3	6	16	0.01
6	10	25	
10	18	40	
18	24	50	0.01
24	32	60	



- ★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.



MODEL NO.	TYPE - l ₁	L	d ₁	SIZE RANGE	t ₁	T	WEIGHT (KGS)
SYIC - 42101	DAT30 x TG75 - 70	117.8	50	3.0 ~ 16	M16 x 2.0P	TW 1-1/2" - 12	1.1
SYIC - 42107	DAT30 x TG100 - 80	127.8	60	3.0 ~ 25	M12 x 1.75P	TW 1-7/8" - 12	1.2
SYIC - 42120	DAT40 x TG100 - 80	148.4	60	3.0 ~ 25	M16 x 2.0P	TW 1-7/8" - 12	1.2
SYIC - 42123	DAT40 x TG100 - 100	168.4					1.3
SYIC - 42126	DAT40 x TG100 - 120	188.4					2.4
SYIC - 42129	DAT40 x TG150 - 105	173.4	82	4.0 ~ 38	M24 x 2.0P	TW 2-5/8" - 12	2.7
SYIC - 42132	DAT40 x TG150 - 120	188.4					2.9
SYIC - 42135	DAT40 x TG150 - 135	203.4					3.2
SYIC - 42158	DAT50 x TG100 - 70	171.75	60	3.0 ~ 25	M24 x 2.0P	TW 1-7/8" - 12	3.4
SYIC - 42161	DAT50 x TG100 - 100	201.75					4.4
SYIC - 42164	DAT50 x TG100 - 120	221.75					5.1
SYIC - 42167	DAT50 x TG150 - 100	201.75	82	4.0 ~ 38	M24 x 2.0P	TW 2-5/8" - 12	5.7
SYIC - 42170	DAT50 x TG150 - 120	221.75					6.1
SYIC - 42173	DAT50 x TG150 - 150	251.75					6.5

Standard Accessory: • NUT • PRESET SCREW
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-22	P.J-28	P.J-35	P.J-4	P.J-59

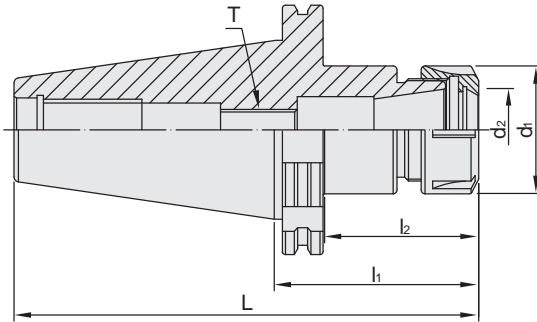
SYIC-42200

DAT / ER 立銑刀夾頭

DIN ISO 15488



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Thread with precise grinding.
- 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.

More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	ER d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42201	DAT30 x ER11A - 80	127.8	50	19	11	M6 x 1.0P	1.0 ~ 7.0	0.60
SYIC - 42203	DAT30 x ER16A - 63	110.8	40	28	16	M10 x 1.5P	1.0 ~ 10	0.70
SYIC - 42205	DAT30 x ER16A - 120	167.8	92					0.85
SYIC - 42207	DAT30 x ER20A - 63	110.8	38	34	20	M12 x 1.75P	1.0 ~ 13	0.80
SYIC - 42209	DAT30 x ER20A - 120	167.8	95					1.05
SYIC - 42211	DAT30 x ER25 - 63	110.8	43	42	25	M16 x 2.0P	1.0 ~ 16	0.85
SYIC - 42213	DAT30 x ER32 - 63	110.8	43					0.90
SYIC - 42221	DAT40 x ER11A - 80	148.4	50	19	11	M6 x 1.0P	1.0 ~ 7.0	1.05
SYIC - 42223	DAT40 x ER11A - 125	193.4	95					1.15
SYIC - 42225	DAT40 x ER16A - 70	138.4	40	28	16	M10 x 1.5P	1.0 ~ 10	1.05
SYIC - 42227	DAT40 x ER16A - 100	168.4	70					1.15
SYIC - 42229	DAT40 x ER16A - 125	193.4	95					1.25
SYIC - 42231	DAT40 x ER16A - 150	218.4	120					1.40
SYIC - 42233	DAT40 x ER16A - 180	248.4	150	34	20	M12 x 1.75P	1.0 ~ 13	1.85
SYIC - 42235	DAT40 x ER20A - 70	138.4	47					1.10
SYIC - 42237	DAT40 x ER20A - 100	168.4	70					1.30
SYIC - 42239	DAT40 x ER20A - 135	203.4	105					1.95
SYIC - 42241	DAT40 x ER20A - 160	228.4	130	42	25	M16 x 2.0P	1.0 ~ 16	2.20
SYIC - 42243	DAT40 x ER25 - 70	138.4	50					1.15
SYIC - 42245	DAT40 x ER25 - 100	168.4	80					1.45
SYIC - 42247	DAT40 x ER25 - 150	218.4	130					2.00
SYIC - 42249	DAT40 x ER25 - 180	248.4	160	50	32	M16 x 2.0P	2.0 ~ 20	2.45
SYIC - 42251	DAT40 x ER25 - 200	268.4	180					2.55
SYIC - 42253	DAT40 x ER32 - 70	138.4	50					1.22
SYIC - 42255	DAT40 x ER32 - 100	168.4	80					1.62
SYIC - 42257	DAT40 x ER32 - 135	203.4	115	63	40	M20 x 2.0P	3.0 ~ 26	2.15
SYIC - 42259	DAT40 x ER32 - 150	218.4	130					2.65
SYIC - 42261	DAT40 x ER40 - 70	138.4	50					1.25
SYIC - 42263	DAT40 x ER40 - 100	168.4	80	78	50	M24 x 2.0P	5.0 ~ 34	1.65
SYIC - 42265	DAT40 x ER40 - 135	203.4	115					2.30
SYIC - 42269	DAT40 x ER50 - 100	168.4	80					1.70

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-4	P.J-59	P.J-29



DAT / ER COLLET CHUCK

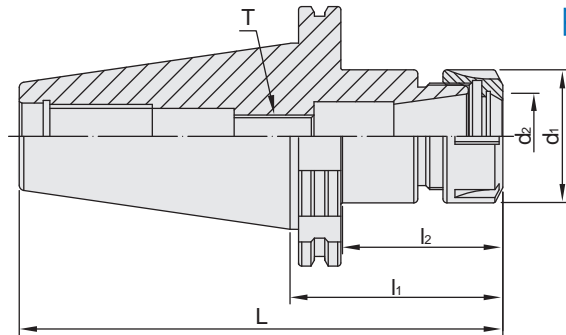
SYIC-42200

DAT / ER 立銑刀夾頭

DIN ISO 15488



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Can clamp straight cutters and tools.
- 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.

More options:

Holding power is improved a lot!



For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	ER d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42281	DAT50 x ER16A - 100	201.75	70	28	16	M10 x 1.5P	1.0 ~ 10	3.20
SYIC - 42283	DAT50 x ER16A - 135	236.75	105					4.30
SYIC - 42285	DAT50 x ER16A - 160	261.75	130					4.50
SYIC - 42287	DAT50 x ER16A - 180	281.75	150					4.80
SYIC - 42291	DAT50 x ER20A - 100	201.75	70	34	20	M12 x 1.75P	1.0 ~ 13	3.40
SYIC - 42293	DAT50 x ER20A - 135	236.75	105					3.60
SYIC - 42295	DAT50 x ER20A - 160	261.75	130					3.80
SYIC - 42301	DAT50 x ER25 - 70	171.75	40	42	25	M16 x 2.0P	1.0 ~ 16	3.40
SYIC - 42303	DAT50 x ER25 - 100	201.75	70					3.54
SYIC - 42305	DAT50 x ER25 - 150	251.75	120					4.50
SYIC - 42307	DAT50 x ER25 - 200	301.75	170					4.70
SYIC - 42311	DAT50 x ER32 - 80	181.75	50	50	32	M20 x 2.0P	2.0 ~ 20	3.60
SYIC - 42313	DAT50 x ER32 - 120	221.75	90					4.50
SYIC - 42315	DAT50 x ER32 - 160	261.75	130					4.60
SYIC - 42317	DAT50 x ER32 - 200	301.75	170					5.16
SYIC - 42321	DAT50 x ER40 - 80	181.75	50	63	40	M20 x 2.0P	3.0 ~ 26	3.65
SYIC - 42323	DAT50 x ER40 - 120	221.75	90					4.42
SYIC - 42325	DAT50 x ER40 - 160	261.75	130					5.20
SYIC - 42327	DAT50 x ER40 - 200	301.75	170					5.40
SYIC - 42331	DAT50 x ER50 - 80	181.75	57	78	50	M24 x 2.0P	5.0 ~ 34	4.85
SYIC - 42333	DAT50 x ER50 - 120	221.75	99					5.45
SYIC - 42335	DAT50 x ER50 - 160	261.75	139					5.55
SYIC - 42337	DAT50 x ER50 - 200	301.75	179					5.70

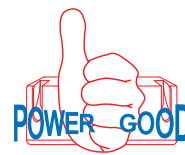
Standard Accessory: ● STANDARD NUT

Option

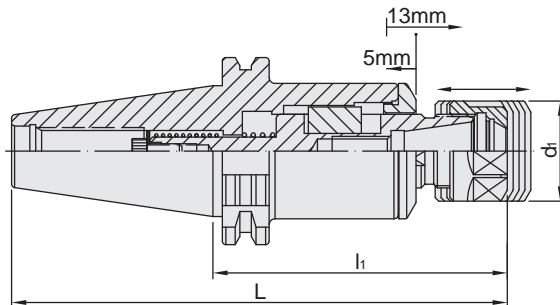
COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-4	P.J-59	P.J-29

SYIC-42350

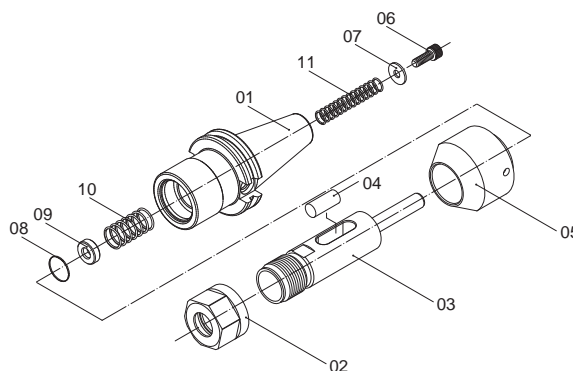
DAT 伸縮 ER 攻牙器



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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	1.50
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 STUD	PRESET SCREW
P.J-11	P.J-25	P.J-34	P.J-4	P.J-59



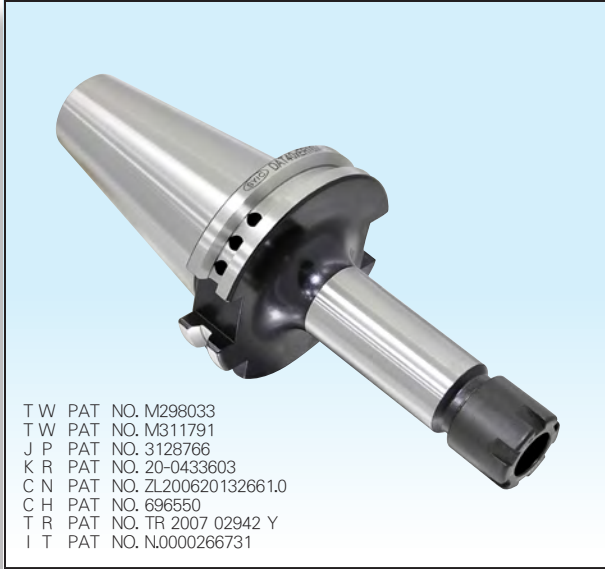
DAT / ER COLLET CHUCK M TYPE

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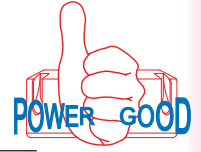
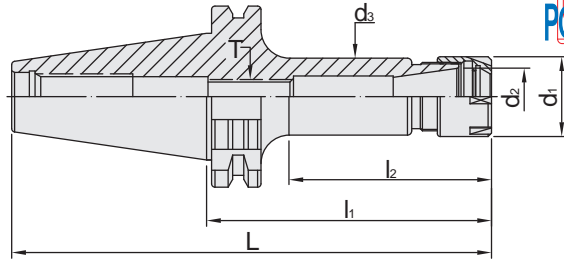
SYIC-42400

M 型 DAT / ER 立銑刀夾頭

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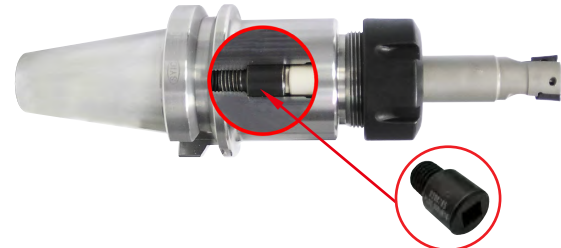


T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



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More options:



PowerLOC Square Shank Adapter

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- 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.

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

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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 - 42406	DAT30 x ER11M - 70	117.8	40	16	11	15	M6 x 1.0P	1.0 ~ 7.0	0.50
SYIC - 42407	DAT30 x ER11M - 100	147.8	70						0.60
SYIC - 42409	DAT30 x ER11M - 120	167.8	90						0.70
SYIC - 42411	DAT30 x ER16M - 70	117.8	40	22	16	21	M10 x 1.5P	1.0 ~ 10	0.55
SYIC - 42413	DAT30 x ER16M - 100	147.8	70						0.65
SYIC - 42415	DAT30 x ER16M - 120	167.8	90						0.75
SYIC - 42417	DAT30 x ER20M - 100	147.8	75	28	20	27	M12 x 1.75P	1.0 ~ 13	0.70
SYIC - 42419	DAT30 x ER20M - 120	167.8	95						0.80
SYIC - 42421	DAT30 x ER20M - 150	197.8	125						1.00
SYIC - 42425	DAT40 x ER11M - 70	138.4	40	16	11	15	M6 x 1.0P	1.0 ~ 7.0	1.10
SYIC - 42427	DAT40 x ER11M - 100	168.4	70						0.96
SYIC - 42429	DAT40 x ER11M - 125	193.4	95						1.00
SYIC - 42431	DAT40 x ER11M - 150	218.4	120						1.00
SYIC - 42433	DAT40 x ER16M - 70	138.4	40	22	16	21	M10 x 1.5P	1.0 ~ 10	0.96
SYIC - 42435	DAT40 x ER16M - 100	168.4	70						1.00
SYIC - 42437	DAT40 x ER16M - 125	193.4	95						1.05
SYIC - 42439	DAT40 x ER16M - 150	218.4	120						1.14
SYIC - 42441	DAT40 x ER20M - 70	138.4	40	28	20	27	M12 x 1.75P	1.0 ~ 13	1.20
SYIC - 42443	DAT40 x ER20M - 100	168.4	70						1.55
SYIC - 42445	DAT40 x ER20M - 125	193.4	95						1.70
SYIC - 42447	DAT40 x ER20M - 150	218.4	120						1.80

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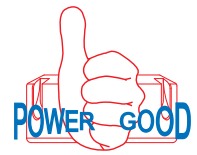
Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-4	P.J-59	P.J-29

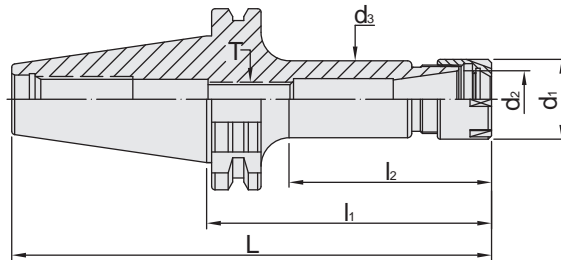
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SYIC-42400

M 型 DAT / ER 立銑刀夾頭

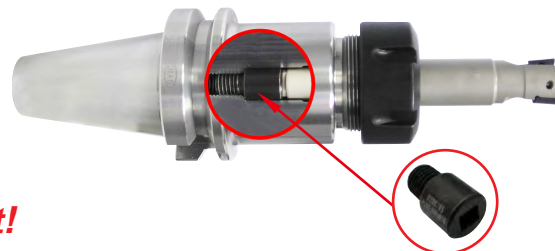


T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- 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.

More options:



PowerLOC Square Shank Adapter

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 42451	DAT50 x ER11M - 70	171.75	40	16	11	15	M6 x 1.0P	1.0 ~ 7.0	3.8
SYIC - 42453	DAT50 x ER11M - 90	191.75	60						3.9
SYIC - 42455	DAT50 x ER11M - 105	206.75	51						4.0
SYIC - 42457	DAT50 x ER11M - 135	236.75	68						4.1
SYIC - 42459	DAT50 x ER11M - 165	266.75	98						4.2
SYIC - 42461	DAT50 x ER16M - 70	171.75	40	22	16	21	M10 x 1.5P	1.0 ~ 10	3.9
SYIC - 42463	DAT50 x ER16M - 90	191.75	60						4.0
SYIC - 42465	DAT50 x ER16M - 105	206.75	68						4.1
SYIC - 42467	DAT50 x ER16M - 135	236.75	98						4.2
SYIC - 42469	DAT50 x ER16M - 165	266.75	128	28	20	27	M12 x 1.75P	1.0 ~ 13	4.3
SYIC - 42471	DAT50 x ER20M - 90	191.75	60						4.1
SYIC - 42473	DAT50 x ER20M - 105	206.75	71						4.2
SYIC - 42475	DAT50 x ER20M - 135	236.75	101	28	20	27	M12 x 1.75P	1.0 ~ 13	4.4
SYIC - 42477	DAT50 x ER20M - 165	266.75	131						4.6

Standard Accessory: • STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-4	P.J-59	P.J-29



DAT / SPU DRILL CHUCK ADAPTER

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

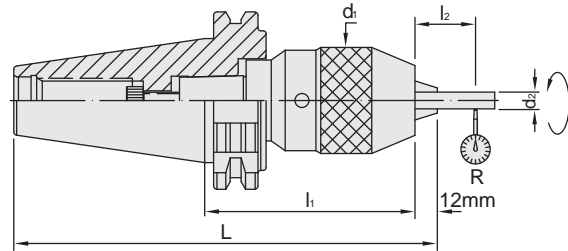
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-42480

DAT / SPU 直結式鑽夾頭



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	139.8	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	155.4	55	37	6		1.32
SYIC - 42487	DAT40 x SPU13 - 100	100	180.4	75	50	13		1.92
SYIC - 42488	DAT40 x SPU16 - 115	115	195.4	80	57	16		2.28
SYIC - 42489	DAT50 x SPU8 - 75	75	188.75	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		4.48

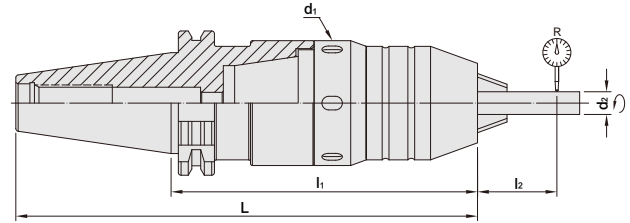
Standard Accessory: ● SPANNER

Option

SPANNER	PULL STUD
P.J-35	P.J-4

SYIC-42500

DAT / SPH 直結式鑽夾頭



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 ₂	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 42536	DAT40 x SPH8 - 90	158.4	55	42	6	0.04	1.78
SYIC - 42540	DAT40 x SPH13 - 115	183.4	75	54	13		2.33
SYIC - 42544	DAT40 x SPH13 - 135	203.4					2.63
SYIC - 42550	DAT40 x SPH16 - 130	198.4	2.83				
SYIC - 42554	DAT40 x SPH16 - 150	218.4	80	62			3.18
SYIC - 42560	DAT50 x SPH8 - 80	181.75	55	42	6		2.33
SYIC - 42564	DAT50 x SPH13 - 100	201.75	75	54	13		2.63
SYIC - 42568	DAT50 x SPH13 - 120	221.75					2.83
SYIC - 42572	DAT50 x SPH16 - 100	201.75	80	62			3.15
SYIC - 42576	DAT50 x SPH16 - 120	221.75					3.25

Standard Accessory: ● SPANNER

Option

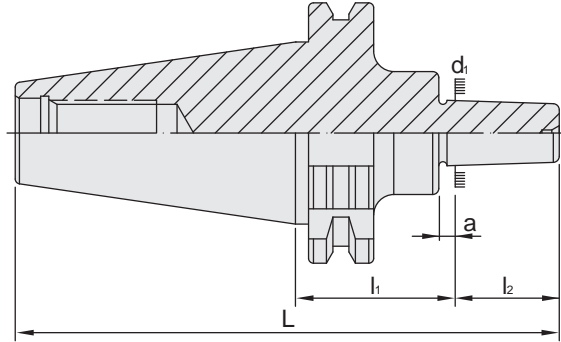
PULL STUD



P.J-3

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.

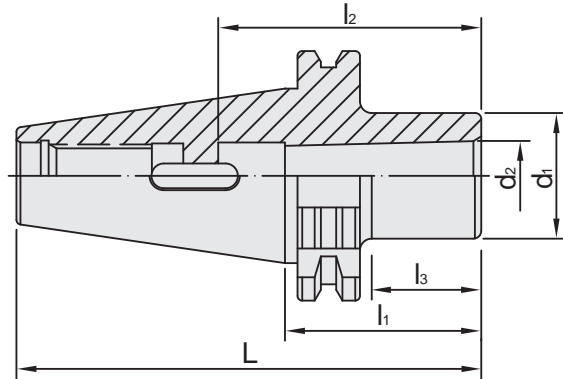
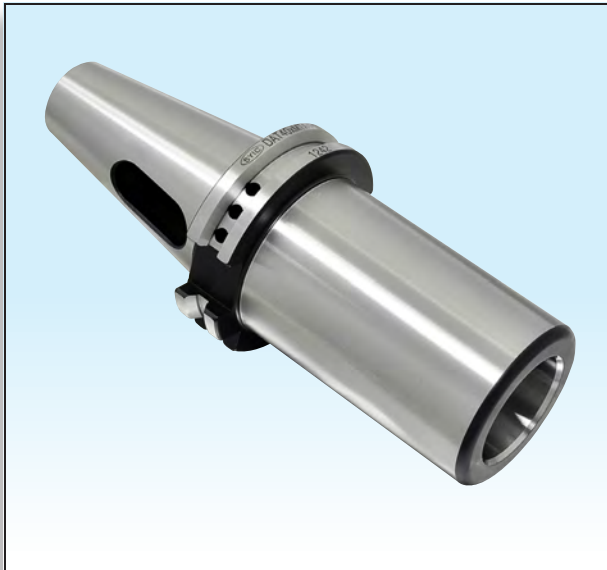
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	a	WEIGHT (KGS)
SYIC - 42605	DAT30 x JTA6 - 40	113.2	25.4	17.17	4	0.90
SYIC - 42617	DAT40 x JTA6 - 40	133.8				1.30
SYIC - 42627	DAT50 x JTA6 - 40	167.15				3.40
SYIC - 42601	DAT30 x B12 - 40	106.3	18.5	12.065	3.5	0.70
SYIC - 42603	DAT30 x B16 - 40	111.8	24	15.733	5	1.10
SYIC - 42611	DAT40 x B12 - 40	126.9	18.5	12.065	3.5	1.25
SYIC - 42613	DAT40 x B16 - 40	132.4	24	15.733	5	1.30
SYIC - 42615	DAT40 x B18 - 40	140.4	32	17.78		1.40
SYIC - 42621	DAT50 x B12 - 40	160.25	18.5	12.065	3.5	3.10
SYIC - 42623	DAT50 x B16 - 40	165.75	24	15.733	5	3.20
SYIC - 42625	DAT50 x B18 - 40	173.75	32	17.78		3.30

Option

PULL STUD	KEYLESS DRILL CHUCK
 P.J-4	 P.J-53

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	l ₃	d ₁	d ₂	WEIGHT (KGS)
SYIC - 42651	DAT30 x MTA1 - 50	97.8	56	27	25	12.065	0.55
SYIC - 42653	DAT30 x MTA2 - 60	107.8	67	37	32	17.78	0.80
SYIC - 42655	DAT30 x MTA3 - 75	122.8	84	53	40	23.825	1.00
SYIC - 42661	DAT40 x MTA1 - 50	118.4	56	22	25	12.065	0.95
SYIC - 42663	DAT40 x MTA2 - 50	118.4	67	27	32	17.78	0.95
SYIC - 42665	DAT40 x MTA3 - 70	138.4	84	47	40	23.825	1.10
SYIC - 42667	DAT40 x MTA4 - 95	163.4	107	74	48	31.267	1.35
SYIC - 42671	DAT50 x MTA1 - 45	146.75	56	22	25	12.065	3.00
SYIC - 42673	DAT50 x MTA2 - 60	161.75	67	35	32	17.78	3.10
SYIC - 42675	DAT50 x MTA3 - 65	166.75	84	40	40	23.825	3.20
SYIC - 42677	DAT50 x MTA4 - 95	196.75	107	70	48	31.267	3.40
SYIC - 42679	DAT50 x MTA5 - 105	206.75	135	80	63	44.399	3.60

Option

PULL STUD

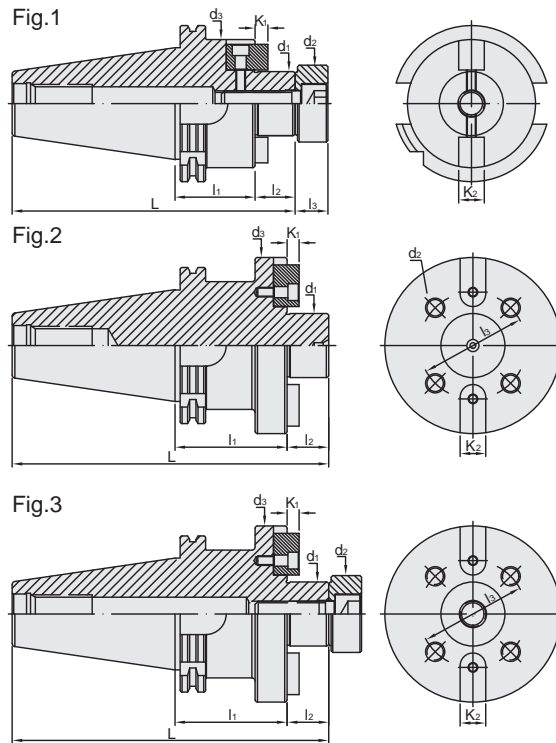
P.J-4



SYIC-42700

DAT 平面銑刀柄

DIN 6357 - B



- d1 tolerance: h6.
- Tolerance of 7/24 taper: within 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.

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		2.00
SYIC - 42717	DAT40 x FMB40 - 60	153.4	25	20.5	48	80	8.3	16		2.60
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	60	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	176.75	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		5.80
SYIC - 42761	DAT40 x FMB40F - 60	158.4		66.7	M12	89	8.3	16		2.90
SYIC - 42763	DAT50 x FMB40F - 70	201.75	30	66.7		M16	129	12.5		25.4
SYIC - 42765	DAT50 x FMB60F - 70	211.75	40	101.6	129		12.5	25.4		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		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

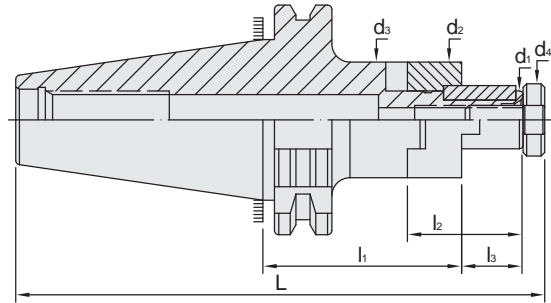
Option

PULL STUD	SCREW
P.J-4	P.J-61

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	1.2
SYIC - 42811	DAT40 x CSR22 - 55	149.4	31	19	40		28	1.5
SYIC - 42813	DAT40 x CSR27 - 55	152.4	33	21	48		35	1.9
SYIC - 42815	DAT40 x CSR32 - 60	161.4	38	24	58		42	2.4
SYIC - 42817	DAT40 x CSR40 - 60	165.4	41	27	70	52	3.0	
SYIC - 42820	DAT50 x CSR16 - 55	179.75	27	17	32	80	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 STUD
P.J-31	P.J-31	P.J-31	P.J-31	P.J-4



DAT SIDE LOCK END MILL HOLDER

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-42900

DAT 側固式立銑刀柄

DIN 1835



Fig.1

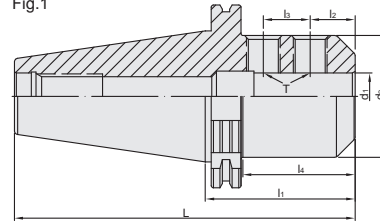
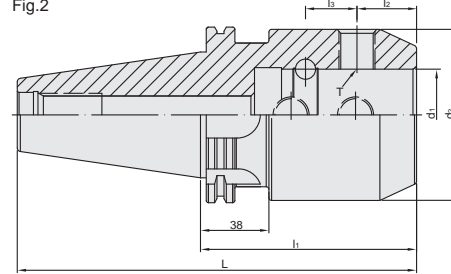


Fig.2



- Internal hole tolerance : H5(DIN-1835-B standard).
- The tolerance of tool shank diameter is within h6.
- 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	T	Fig	WEIGHT (KGS)						
SYIC - 42901	DAT30 x SLN6 - 50	97.8	18		25	25	M6 x 1.0P	1	0.73						
SYIC - 42902	DAT30 x SLN8 - 50					28	M8 x 1.25P		0.80						
SYIC - 42903	DAT30 x SLN10 - 50					35	M10 x 1.5P		0.90						
SYIC - 42904	DAT30 x SLN12 - 50					42	M12 x 1.75P		0.90						
SYIC - 42905	DAT30 x SLN16 - 63	110.8	24		43	45	M14 x 2.0P	1.10							
SYIC - 42911	DAT40 x SLN6 - 50	118.4	18			-	27	25	M6 x 1.0P	0.85					
SYIC - 42913	DAT40 x SLN8 - 50							28	M8 x 1.25P	1.00					
SYIC - 42915	DAT40 x SLN10 - 50							35	M10 x 1.5P	1.10					
SYIC - 42917	DAT40 x SLN12 - 50			42	M12 x 1.75P			1.15							
SYIC - 42919	DAT40 x SLN16 - 63	131.4	24		43	48	M14 x 2.0P	1.40							
SYIC - 42921	DAT40 x SLN20 - 63		25			52	M16 x 2.0P	1.30							
SYIC - 42923	DAT40 x SLN25 - 100		24			25	80	65	M18 x 2.0P	2.40					
SYIC - 42925	DAT40 x SLN32 - 100	164.75	24	-	80	28	72	M20 x 2.0P	2.70						
SYIC - 42931	DAT50 x SLN6 - 63					18	-	33	25	M6 x 1.0P	3.10				
SYIC - 42933	DAT50 x SLN8 - 63								28	M8 x 1.25P	3.10				
SYIC - 42935	DAT50 x SLN10 - 63								35	M10 x 1.5P	3.30				
SYIC - 42937	DAT50 x SLN12 - 63								42	M12 x 1.75P	3.50				
SYIC - 42939	DAT50 x SLN16 - 63					24	40	40	48	M14 x 2.0P	3.45				
SYIC - 42941	DAT50 x SLN20 - 63								25	52	M16 x 2.0P	3.50			
SYIC - 42943	DAT50 x SLN25 - 80								24	25	59	65	M18 x 2.0P	4.20	
SYIC - 42945	DAT50 x SLN32 - 100					201.75	30	32	80	90	M20 x 2.0P	28	78	72	5.00
SYIC - 42947	DAT50 x SLN40 - 100											80	90	M20 x 2.0P	5.60
SYIC - 42949	DAT50 x SLN42 - 100	105	100	M24 x 2.0P	5.70										
SYIC - 42951	DAT50 x SLN50 - 125	226.75	35	35	105							100	M24 x 2.0P	5.90	
SYIC - 42952	DAT50 x SLN50.8 - 120	221.75	33.1	28.58	100	95	M20 x 2.0P	2	5.80						
SYIC - 42953	DAT50 x SLN63 - 150	251.75	40	40	130	125		1	6.20						
SYIC - 42955	DAT50 x SLN63 - 150							24	125	M16 x 2.0P	2	6.20			

Option

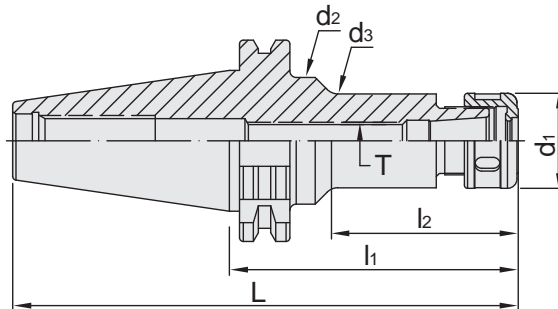
PULL STUD	LOCK SCREW
 P.J-4	 P.J-61

SYIC-43000

DAT / SKS 高速機專用夾頭



T W PAT NO. M270871



- 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	l ₂	d ₁	d ₂	d ₃	SIZE RANGER	T	WEIGHT (KGS)
SYIC - 43002	DAT30 x SKS6 - 45	92.8	23	18	18	-	3.0 ~ 6.0	M8 x 1.25P	0.6
SYIC - 43004	DAT30 x SKS6 - 60	107.8	37						0.7
SYIC - 43006	DAT30 x SKS10 - 45	92.8	23	30	27.6		3.0 ~ 10	M12 x 1.75P	0.8
SYIC - 43008	DAT30 x SKS10 - 60	107.8	38						0.9
SYIC - 43009	DAT30 x SKS13 - 45	92.8	24	35	-		3.0 ~ 13	-	0.8
SYIC - 43009-60	DAT30 x SKS13 - 60	107.8	37		33			M12 x 1.75P	0.9
SYIC - 43010	DAT40 x SKS6 - 90	158.4	51	18	32	18	3.0 ~ 6.0	M8 x 1.25P	0.6
SYIC - 43011	DAT40 x SKS6 - 120	188.4	81						0.7
SYIC - 43012	DAT40 x SKS10 - 90	158.4	52	30	40	27.6	3.0 ~ 10	M12 x 1.75P	1.2
SYIC - 43014	DAT40 x SKS10 - 120	188.4	82						1.4
SYIC - 43015	DAT40 x SKS13 - 90	158.4	67	35	33	-	3.0 ~ 13	M12 x 1.75P	1.3
SYIC - 43015-120	DAT40 x SKS13 - 120	188.4	97						1.5
SYIC - 43016	DAT40 x SKS16 - 90	158.4	65	40	40		3.0 ~ 16	M18 x 1.5P	1.3
SYIC - 43018	DAT40 x SKS16 - 120	188.4	95						1.5
SYIC - 43020	DAT40 x SKS20 - 90	158.4	70	48.5	48.5		3.0 ~ 20	M22 x 1.5P	1.3
SYIC - 43022	DAT40 x SKS20 - 120	188.4	100						1.5
SYIC - 43026	DAT40 x SKS25 - 90	158.4	70	55	50	3.0 ~ 25.4	M28 x 2.0P	1.3	
SYIC - 43028	DAT40 x SKS25 - 120	188.4	100					1.5	

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-4	P.J-59



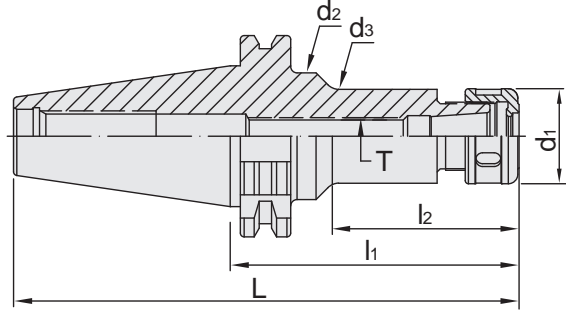
DAT / SKS COLLET CHUCK

SYIC-43000

DAT / SKS 高速機專用夾頭



T W PAT NO. M270871



- 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	l ₂	d ₁	d ₂	d ₃	SIZE RANGER	T	WEIGHT (KGS)
SYIC - 43032	DAT50 x SKS6 - 105	206.75	64	18	32	18	3.0 ~ 6.0	M8 x 1.25P	4.2
SYIC - 43034	DAT50 x SKS6 - 165	266.75	124						4.6
SYIC - 43036	DAT50 x SKS10 - 105	206.75	70	30	40	30	3.0 ~ 10	M12 x 1.75P	4.2
SYIC - 43038	DAT50 x SKS10 - 165	266.75	130						4.6
SYIC - 43040	DAT50 x SKS13 - 105	206.75	80	35	33	-	3.0 ~ 13	M18 x 1.5P	4.2
SYIC - 43041	DAT50 x SKS13 - 165	266.75	140						4.6
SYIC - 43042	DAT50 x SKS16 - 105	206.75	75	40	40	-	3.0 ~ 16	M18 x 1.5P	4.3
SYIC - 43044	DAT50 x SKS16 - 165	266.75	127		52	40			4.7
SYIC - 43046	DAT50 x SKS20 - 105	206.75	80	48.5	48.5	-	3.0 ~ 20	M22 x 1.5P	4.3
SYIC - 43048	DAT50 x SKS20 - 165	266.75	140						4.7
SYIC - 43052	DAT50 x SKS25 - 105	206.75	80	55	55	-	3.0 ~ 25.4	M28 x 2.0P	5.0
SYIC - 43054	DAT50 x SKS25 - 165	266.75	140						5.3

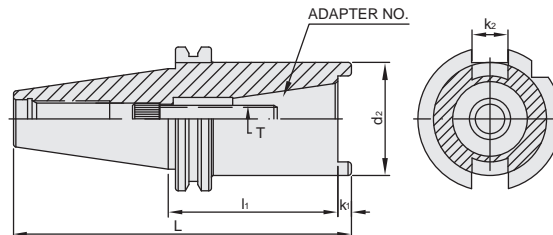
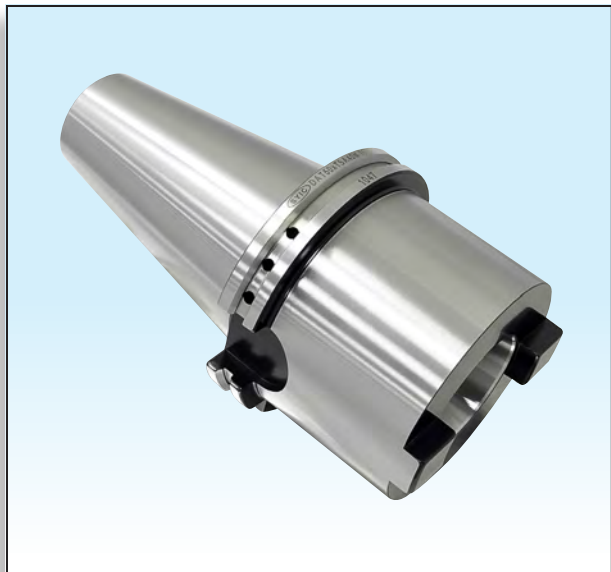
Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-4	P.J-59

SYIC-44000

DAT 套筒



MODEL NO.	TYPE - l ₁	L	d ₂	k ₁	k ₂	T	NO.	WEIGHT (KGS)
SYIC - 44010	DAT40 x TSA30M - 75	149.4	50	6	16	M12 x 1.75P	#30	1.8
SYIC - 44012	DAT40 x TSA30U - 75					1/2" -12		1.8
SYIC - 51.501.32.030	DAT40 x PSC32 - 30	98.4	32	-	-	M12 x 1.5P	PSC32	1.4
SYIC - 51.501.40.040	DAT40 x PSC40 - 40	108.4	40			M14 x 1.5P	PSC40	1.5
SYIC - 51.501.50.050	DAT40 x PSC50 - 50	118.4	50			M16 x 1.5P	PSC50	1.6
SYIC - 51.501.63.090	DAT40 x PSC63 - 90	158.4	63			M20 x 2.0P	PSC63	2.0
SYIC - 44022	DAT50 x TSA30M - 75	182.75	50	6	16	M12 x 1.75P	#30	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	#40	4.6
SYIC - 44028	DAT50 x TSA40U - 75					5/8" -11		4.6
SYIC - 52.501.32.030	DAT50 x PSC32 - 30	131.75	32	-	-	M12 x 1.5P	PSC32	4.2
SYIC - 52.501.40.030	DAT50 x PSC40 - 30		40			M14 x 1.5P	PSC40	4.3
SYIC - 52.501.50.030	DAT50 x PSC50 - 30		50			M16 x 1.5P	PSC50	4.4
SYIC - 52.501.63.030	DAT50 x PSC63 - 30							
SYIC - 52.501.63.100	DAT50 x PSC63 - 100	201.75	63	-	-	M20 x 2.0P	PSC63	5.0
SYIC - 52.501.63.150	DAT50 x PSC63 - 150	251.75						5.2
SYIC - 52.501.63.200	DAT50 x PSC50 - 200	301.75						5.4
SYIC - 52.501.63.250	DAT50 x PSC63 - 250	351.75						5.8

Option

PULL STUD



P.J-4



DAT / SBL SLIM-FIT COLLET CHUCK

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

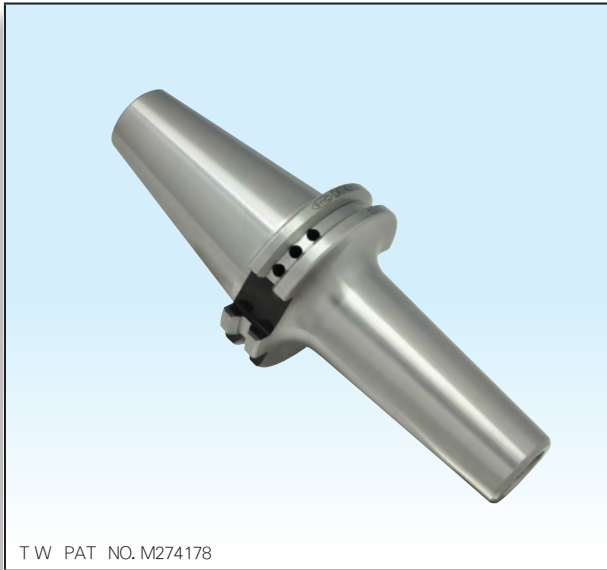
ACCESSORIES

KIT

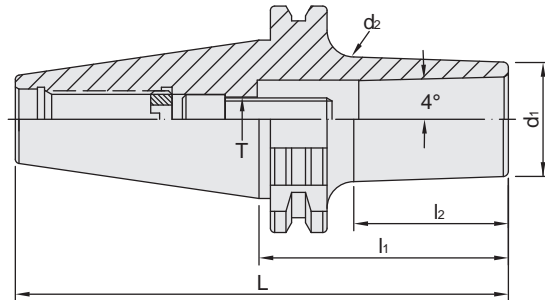
TECHNICAL INFO.

SYIC-45350

DAT / SBL 後拉式立銑刀夾頭



T W PAT NO. M274178






• SCREW TIGHTENING TORQUE

TYPE	T	TORQUE	
		N.m	1bf-ft
SBL6	M6 x 1.0P	12	9
SBL12	M10 x 1.5P	59	43
SBL20	M12 x 1.75P	100	74

- 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.

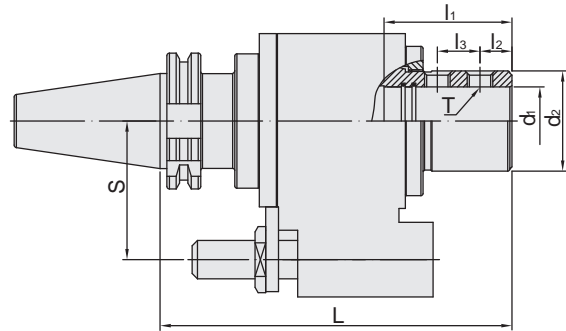
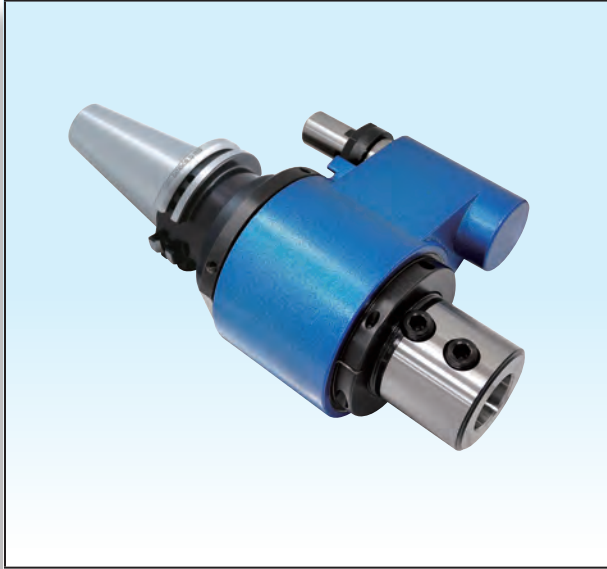
MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 45352	DAT30 x SBL6 - 70	117.8	41	14	18	3.0 ~ 6.0	M6 x 1.0P	0.39
SYIC - 45354	DAT30 x SBL6 - 100	147.8	71		21			0.40
SYIC - 45356	DAT30 x SBL12 - 70	117.8	48	26	31	3.0 ~ 12	M10 x 1.5P	0.42
SYIC - 45358	DAT30 x SBL12 - 100	147.8	78		34			0.43
SYIC - 45362	DAT30 x SBL20 - 80	127.8	58	34	38	3.0 ~ 20	M12 x 1.75P	0.44
SYIC - 45364	DAT30 x SBL20 - 100	147.8	79		39			0.45
SYIC - 45368	DAT40 x SBL6 - 70	138.4	36	14	17	3.0 ~ 6.0	M6 x 1.0P	1.00
SYIC - 45370	DAT40 x SBL6 - 100	168.4	58		20			1.10
SYIC - 45372	DAT40 x SBL12 - 70	138.4	41	26	29	3.0 ~ 12	M10 x 1.5P	1.20
SYIC - 45374	DAT40 x SBL12 - 100	168.4	71		32			1.30
SYIC - 45376	DAT40 x SBL20 - 70	138.4	41	35	38	3.0 ~ 20	M12 x 1.75P	1.30
SYIC - 45378	DAT40 x SBL20 - 100	168.4	78		41			1.40
SYIC - 45380	DAT50 x SBL6 - 70	171.75	36	14	17	3.0 ~ 6.0	M6 x 1.0P	2.80
SYIC - 45382	DAT50 x SBL6 - 100	201.75	66		20			2.90
SYIC - 45384	DAT50 x SBL12 - 70	171.75	41	26	29	3.0 ~ 12	M10 x 1.5P	3.00
SYIC - 45386	DAT50 x SBL12 - 100	201.75	71		32			3.10
SYIC - 45388	DAT50 x SBL20 - 70	171.75	41	35	38	3.0 ~ 20	M12 x 1.75P	3.20
SYIC - 45390	DAT50 x SBL20 - 100	201.75	71		41			3.30

Option

COLLET	SPANNER	PULL STUD
 P.J-21	 P.J-35	 P.J-4

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.

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		56	15				20
SYIC - 48007	DAT40 x OSL32 - 165	47	60		3.5			
SYIC - 48002	DAT40 x OSL16 - 165S	46.5	48	25	-	60		3.5
SYIC - 48004	DAT40 x OSL20 - 165S		50					3.5
SYIC - 48006	DAT40 x OSL25 - 165S		56	15				20
SYIC - 48008	DAT40 x OSL32 - 165S	47	60		3.8			
SYIC - 48009	DAT50 x OSL16 - 165	56	48	25	-	80		M14 x 2.0P
SYIC - 48011	DAT50 x OSL20 - 165		50				M12 x 1.75P	7.5
SYIC - 48013	DAT50 x OSL25 - 165		56	15			20	M16 x 2.0P
SYIC - 48015	DAT50 x OSL32 - 170		60		7.8			
SYIC - 48017	DAT50 x OSL40 - 170		62	25	8.5			
SYIC - 48019	DAT50 x OSL16 - 165M		48	25	-		82	M14 x 2.0P
SYIC - 48021	DAT50 x OSL20 - 165M		50			M12 x 1.75P		7.6
SYIC - 48023	DAT50 x OSL25 - 165M		56	15		20		M16 x 2.0P
SYIC - 48025	DAT50 x OSL32 - 170M		60		7.8			
SYIC - 48027	DAT50 x OSL40 - 170M		62	25	8.5			
SYIC - 48029	DAT50 x OSL16 - 165L		48	25	-	85		M14 x 2.0P
SYIC - 48031	DAT50 x OSL20 - 165L		50				M12 x 1.75P	7.8
SYIC - 48033	DAT50 x OSL25 - 165L	56	15	20			M16 x 2.0P	7.8
SYIC - 48035	DAT50 x OSL32 - 170L	60			8.0			
SYIC - 48037	DAT50 x OSL40 - 170L	62	25	M14 x 2.0P	8.7			

Option

STRAIGHT SLEEVE	FIXED BLOCK	PULL STUD	LOCK SCREW
P.J-45	P.J-45	P.J-4	P.J-61



DAT / ER OIL HOLE COLLET CHUCK

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

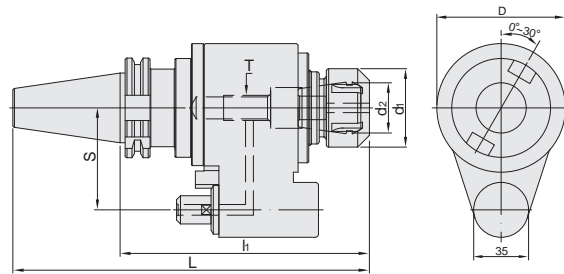
ACCESSORIES

KIT

TECHNICAL INFO.

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	160	98	28	16	80	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

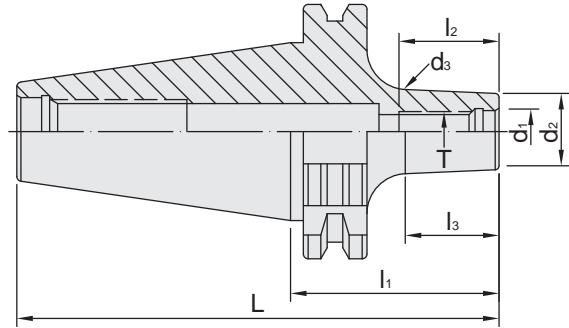
Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	FIXED BLOCK	PULL STUD	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-45	P.J-4	P.J-59

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	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 49200	DAT30 x SOM6 - 60	107.8	25	31	6.5	13	15	M6 x 1.0P	0.40
SYIC - 49202	DAT30 x SOM8 - 60			31	8.5	15	17	M8 x 1.25P	0.40
SYIC - 49204	DAT30 x SOM10 - 60			31	10.5	19	21	M10 x 1.5P	0.40
SYIC - 49206	DAT30 x SOM12 - 70	117.8	31	41	12.5	21	23	M12 x 1.75P	0.42
SYIC - 49208	DAT30 x SOM16 - 80	127.8	30	56	17	25	29	M16 x 2.0P	0.42
SYIC - 49220	DAT40 x SOM6 - 60	128.4	25	31	6.5	13	15	M6 x 1.0P	1.00
SYIC - 49222	DAT40 x SOM8 - 60			31	8.5	15	17	M8 x 1.25P	1.00
SYIC - 49224	DAT40 x SOM10 - 60			31	10.5	19	21	M10 x 1.5P	1.10
SYIC - 49226	DAT40 x SOM12 - 70	138.4	31	41	12.5	21	23	M12 x 1.75P	1.10
SYIC - 49228	DAT40 x SOM16 - 80	148.4	30	56	17	25	29	M16 x 2.0P	1.20
SYIC - 49240	DAT50 x SOM6 - 60	161.75	25	31	6.5	13	15	M6 x 1.0P	2.90
SYIC - 49242	DAT50 x SOM8 - 60			31	8.5	15	17	M8 x 1.25P	2.90
SYIC - 49244	DAT50 x SOM10 - 60			31	10.5	19	21	M10 x 1.5P	3.00
SYIC - 49246	DAT50 x SOM12 - 70	171.75	31	41	12.5	21	23	M12 x 1.75P	3.00
SYIC - 49248	DAT50 x SOM16 - 80	181.75	30	56	17	25	29	M16 x 2.0P	3.00

Option

STR CUTTING TOOL	RG CUTTING TOOL	DM CUTTING TOOL	EXTENSION SPACER	PULL STUD
P.J-46	P.J-46	P.J-47	P.J-47	P.J-4

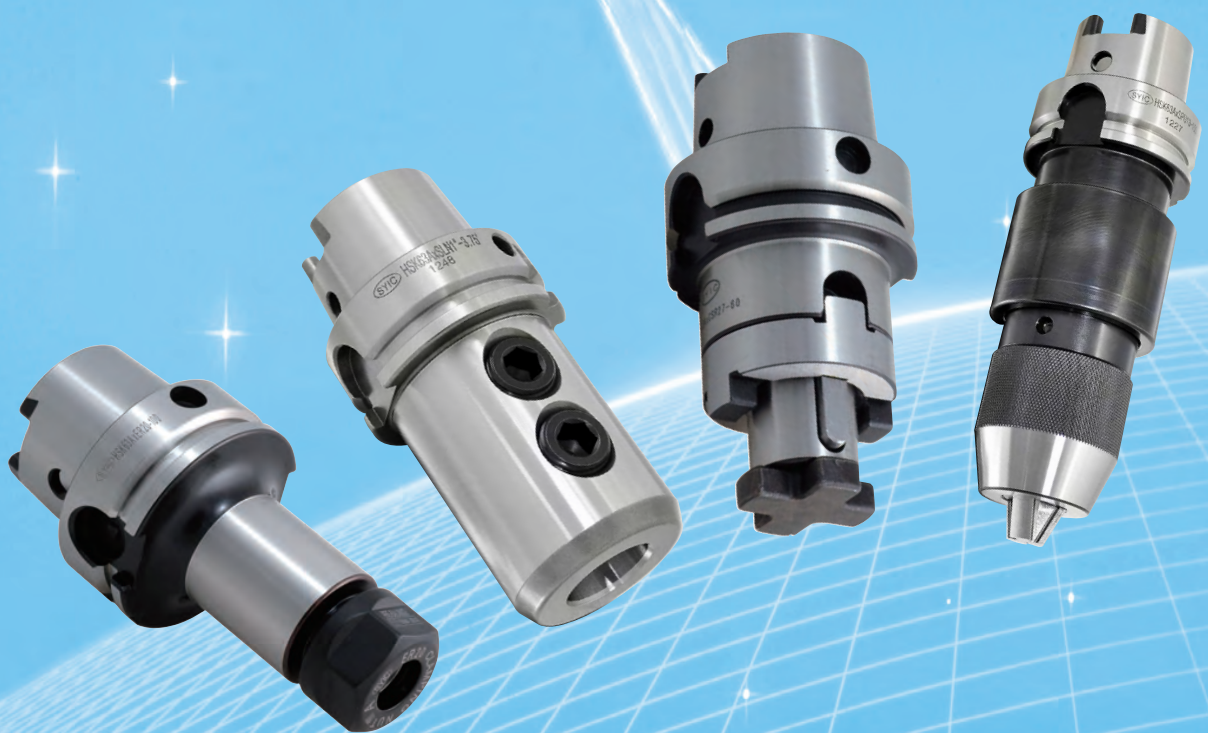


DIN 69893

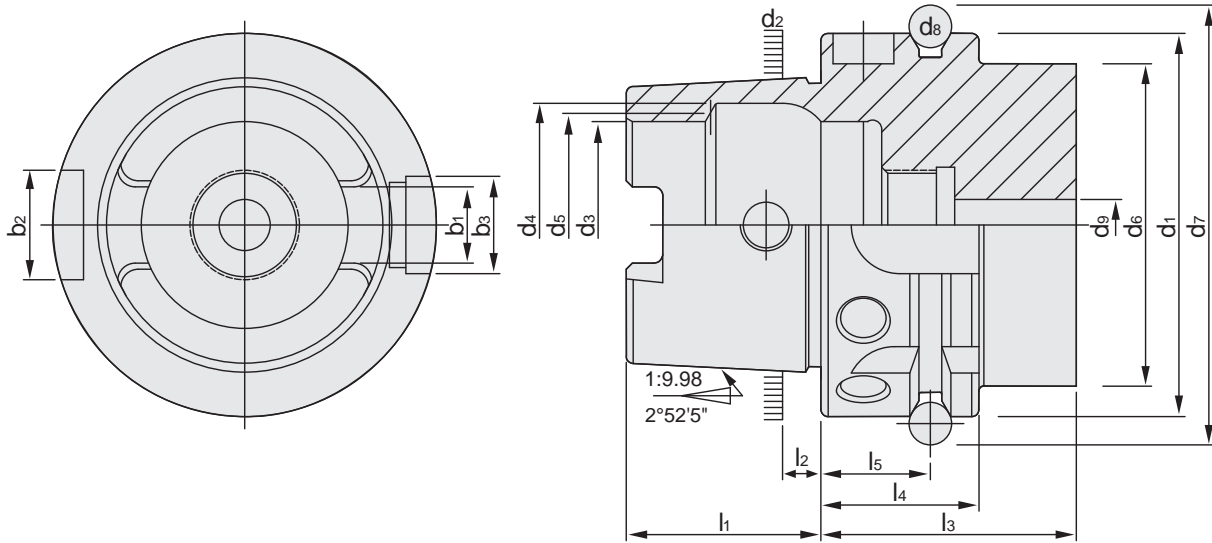
HSK

TOOL HOLDER SYSTEM

31000	HSK / EOC COLLET CHUCK FOR TYPE A	D-5
31400	HSK / ER COLLET CHUCK FOR TYPE A	D-6,D7
31400-E	HSK / ER COLLET CHUCK FOR TYPE E	D-8
31400-F	HSK / ER COLLET CHUCK FOR TYPE F	D-9,D-10
32390	HSK FACE MILL ARBOR FOR TYPE A	D-11
32600	HSK / COMBI SHELL END MILL ARBOR FOR TYPE A	D-12
32800	HSK SIDE LOCK END MILL HOLDER FOR TYPE A	D-13~D-15
34900	HSK / SPU DRILL CHUCK ADAPTER FOR TYPE A	D-16
35000	HSK / SPH DRILL CHUCK ADAPTER FOR TYPE A	D-17
35100	HSK MORSE TAPER ADAPTER FOR TYPE A	D-18
35300G	HSK / MLD MULTI - LOCK MILLING CHUCK	D-19,D-20
35450	HSK / SBL SLIM-FIT COLLET CHUCK FOR TYPE A	D-21
35500	HSK / SKS COLLET CHUCK FOR TYPE A	D-22,D-23
39200	HSK / SOM SCREWED END MILL HOLDER FOR TYPE A	D-24
73.501	HSK / PSC ADAPTER	D-25



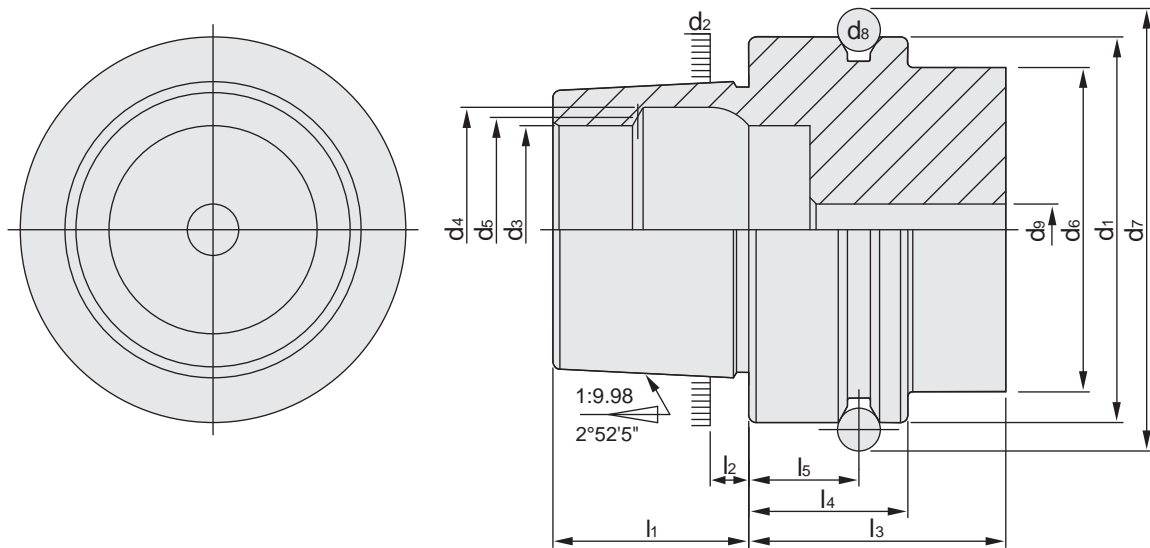
DIN 69893 A



TYPE	d ₁ h10	d ₂	d H10	d ₄ H11	d ₅	d ₆ max.	d ₇ 0 -0.1	d ₈	d ₉	l ₁ 0 -0.2	l	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-SNCRM220
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

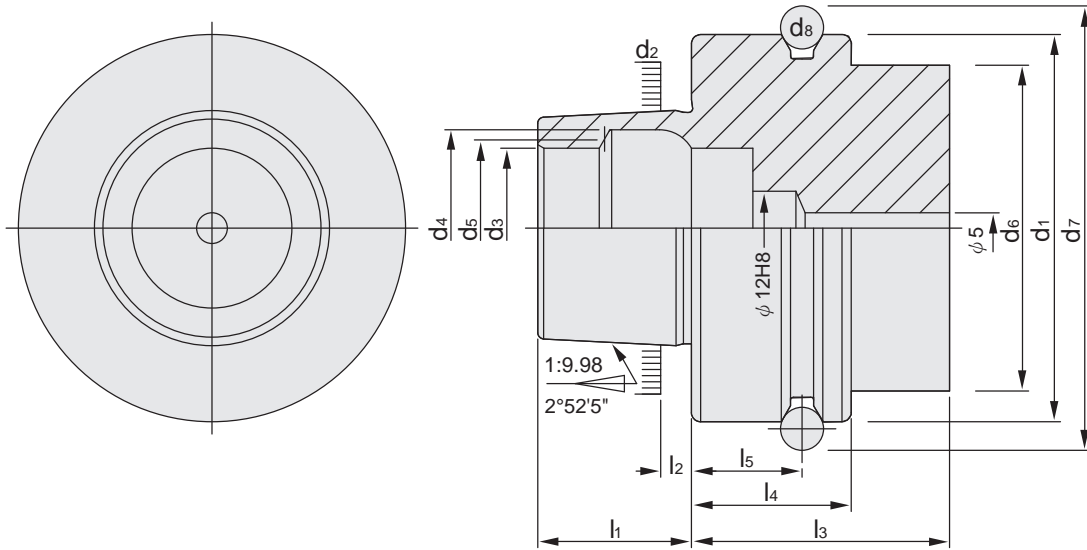
DIN 69893 E



TYPE	d ₁ h ₁₀	d ₂	d ₃ H ₁₀	d ₄ H ₁₁	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 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 69893-5

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 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 69893-6



HSK / EOC COLLET CHUCK FOR TYPE A

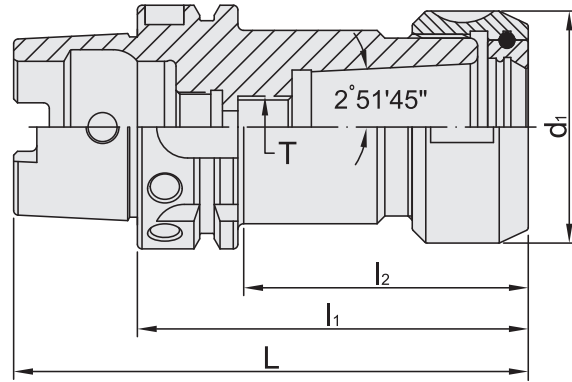
B
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SYIC-31000

HSK / EOC 立銑刀夾頭

DIN 69893 - 1
DIN ISO 10897

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- 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.

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MODEL NO.	TYPE I ₁	L	l ₂	d ₁	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 31002	HSK50A x EOC16 - 100	125	74	43	2.0 ~ 16	M12 x 1.75P	0.7
SYIC - 31004	HSK50A x EOC16 - 120	145	94				0.9
SYIC - 31006	HSK50A x EOC25 - 100	125	73	60	3.0 ~ 25	M16 x 2.0P	1.1
SYIC - 31008	HSK50A x EOC25 - 120	145	93				1.3
SYIC - 31010	HSK50A x EOC25 - 150	175	123				1.5
SYIC - 31012	HSK50A x EOC32 - 120	145	93	72	4.0 ~ 32	M20 x 2.0P	2.1
SYIC - 31014	HSK50A x EOC32 - 150	175	123				2.3
SYIC - 31022	HSK63A x EOC16 - 100	132	69	43	2.0 ~ 16	M12 x 1.75P	1.1
SYIC - 31024	HSK63A x EOC16 - 120	152	89				1.2
SYIC - 31026	HSK63A x EOC25 - 100	132	72	60	3.0 ~ 25	M16 x 2.0P	1.3
SYIC - 31028	HSK63A x EOC25 - 120	152	92				1.5
SYIC - 31030	HSK63A x EOC25 - 150	182	122				1.7
SYIC - 31032	HSK63A x EOC32 - 120	152	93	72	4.0 ~ 32	M20 x 2.0P	2.3
SYIC - 31034	HSK63A x EOC32 - 150	182	123				2.5
SYIC - 31042	HSK100A x EOC16 - 100	150	61	43	2.0 ~ 16	M12 x 1.75P	3.4
SYIC - 31044	HSK100A x EOC16 - 120	170	81				3.6
SYIC - 31046	HSK100A x EOC25 - 100	150	61	60	3.0 ~ 25	-	3.5
SYIC - 31048	HSK100A x EOC25 - 120	170	81			M16 x 2.0P	3.7
SYIC - 31050	HSK100A x EOC25 - 150	200	111			4.1	
SYIC - 31052	HSK100A x EOC32 - 130	180	91	72	4.0 ~ 32	M20 x 2.0P	4.5
SYIC - 31054	HSK100A x EOC32 - 150	200	111				4.7

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Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-20	P.J-28	P.J-34	P.J-30	P.J-30	P.J-59

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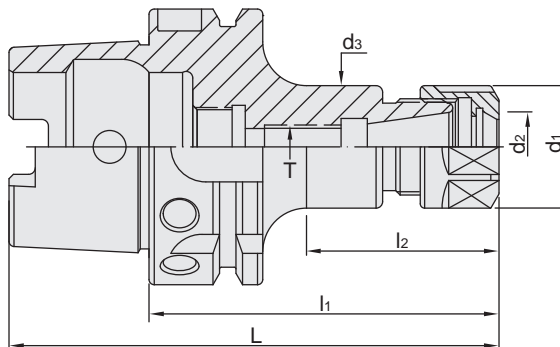
SYIC-31400

HSK / ER 立銑刀夾頭

DIN 69893 - 1
DIN ISO 15488



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



- 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.
- It can clamp any straight cutting tools.

More options:

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.



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

MODEL NO.	TYPE l ₁	L	l ₂	d ₁	ER d ₂	d ₃	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 31378	HSK40A x ER20A - 80	100	59	34	20	32	1.0 ~ 13	M10 x 1.5P	0.35
SYIC - 31384	HSK40A x ER25 - 80			42	25		1.0 ~ 10		0.40
SYIC - 31402	HSK50A x ER16A - 80	105	49	28	16	28	1.0 ~ 10	M10 x 1.5P	0.50
SYIC - 31404	HSK50A x ER16A - 100	125	71						0.55
SYIC - 31406	HSK50A x ER16A - 120	145	91						0.70
SYIC - 31408	HSK50A x ER20A - 80	105	53	34	20	34	1.0 ~ 13	M12 x 1.75P	0.60
SYIC - 31410	HSK50A x ER20A - 100	125	71						0.65
SYIC - 31412	HSK50A x ER20A - 120	145	91						0.70
SYIC - 31414	HSK50A x ER25 - 80	105	53	42	25	40	1.0 ~ 16	M16 x 2.0P	0.70
SYIC - 31416	HSK50A x ER25 - 100	125	73			42			0.80
SYIC - 31418	HSK50A x ER25 - 135	160	108			42			0.90
SYIC - 31420	HSK50A x ER32 - 100	125	73	50	32	50	2.0 ~ 20	M16 x 2.0P	1.35
SYIC - 31422	HSK50A x ER32 - 135	160	108						1.50
SYIC - 31424	HSK50A x ER32 - 160	185	133						1.70
SYIC - 31432	HSK63A x ER16A - 80	112	44	28	16	28	1.0 ~ 10	M10 x 1.5P	1.00
SYIC - 31434	HSK63A x ER16A - 100	132	64						1.10
SYIC - 31436	HSK63A x ER16A - 120	152	84						1.70
SYIC - 31438	HSK63A x ER16A - 160	192	124						1.90
SYIC - 31440	HSK63A x ER20A - 80	112	49						34
SYIC - 31442	HSK63A x ER20A - 100	132	66	1.70					
SYIC - 31444	HSK63A x ER20A - 120	152	91	1.80					
SYIC - 31446	HSK63A x ER20A - 160	192	131	2.00					
SYIC - 31448	HSK63A x ER25 - 80	112	49	42	25	42	1.0 ~ 16	M16 x 2.0P	1.70
SYIC - 31450	HSK63A x ER25 - 100	132	69						1.80
SYIC - 31452	HSK63A x ER25 - 120	152	89						2.00
SYIC - 31454	HSK63A x ER25 - 150	182	119						2.30

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PowerLOC Square Shank Adapter	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-30	P.J-30	P.J-29	P.J-59



HSK / ER COLLET CHUCK FOR TYPE A

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SYIC-31400

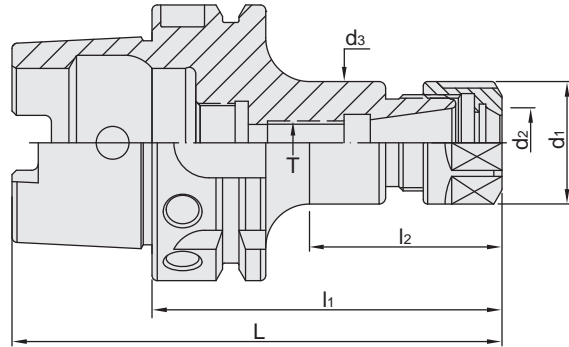
HSK / ER 立銑刀夾頭

DIN 69893 - 1
DIN ISO 15488

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T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



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- 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.
- It can clamp any straight cutting tools.

More options:

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.



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

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MODEL NO.	TYPE l ₁	L	l ₂	d ₁	d ₂ ER	d ₃	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 31456	HSK63A x ER32 - 80	112	53	50	32	50	2.0 ~ 20	-	1.44
SYIC - 31462	HSK63A x ER32 - 100	132	72					M16 x 2.0P	2.55
SYIC - 31464	HSK63A x ER32 - 145	177	118					2.70	
SYIC - 31466	HSK63A x ER32 - 160	192	133					3.10	
SYIC - 31468	HSK63A x ER40 - 80	112	53	63	40	52	-	2.65	
SYIC - 31470	HSK63A x ER40 - 100	132	73			3.0 ~ 26	1.66		
SYIC - 31472	HSK63A x ER40 - 120	152	93			M20 x 2.0P	2.77		
SYIC - 31474	HSK63A x ER40 - 150	182	123			2.95			
SYIC - 31476	HSK63A x ER40 - 170	202	143			3.10			
SYIC - 31478	HSK63A x ER50 - 120	152	93	78	50	5.0 ~ 34	M24 x 2.0P	3.50	
SYIC - 31482	HSK100A x ER16A - 80	130	41	28	16	28	1.0 ~ 10	M10 x 1.5P	2.90
SYIC - 31484	HSK100A x ER16A - 100	150	61					M12 x 1.75P	2.95
SYIC - 31486	HSK100A x ER16A - 160	210	116					3.45	
SYIC - 31488	HSK100A x ER20A - 80	130	41	34	20	34	1.0 ~ 13	M12 x 1.75P	2.90
SYIC - 31490	HSK100A x ER20A - 100	150	61					3.00	
SYIC - 31492	HSK100A x ER20A - 160	210	121					3.30	
SYIC - 31494	HSK100A x ER25 - 100	150	61	42	25	42	1.0 ~ 16	M16 x 2.0P	3.00
SYIC - 31496	HSK100A x ER25 - 130	180	96					3.20	
SYIC - 31498	HSK100A x ER32 - 100	150	61	50	32	50	2.0 ~ 20	M16 x 2.0P	3.15
SYIC - 31500	HSK100A x ER32 - 135	185	96					3.35	
SYIC - 31502	HSK100A x ER32 - 150	200	116					3.50	
SYIC - 31504	HSK100A x ER40 - 80	130	46	63	40	62	-	3.30	
SYIC - 31506	HSK100A x ER40 - 120	170	86			63	3.0 ~ 26	M20 x 2.0P	3.38
SYIC - 31508	HSK100A x ER40 - 175	225	141			60	4.20		
SYIC - 31510	HSK100A x ER50 - 100	150	68			78	-	4.50	
SYIC - 31512	HSK100A x ER50 - 120	170	88	78	50	64	5.0 ~ 34	M24 x 2.0P	5.00

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Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PowerLOC Square Shank Adapter	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-30	P.J-30	P.J-29	P.J-59

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BT



HSK / ER COLLET CHUCK FOR TYPE E

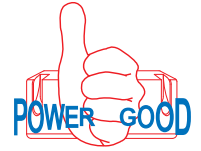
CAT

SYIC-31400-E

HSK / ER 立銑刀夾頭

DIN 69893 - 5
DIN ISO 15488

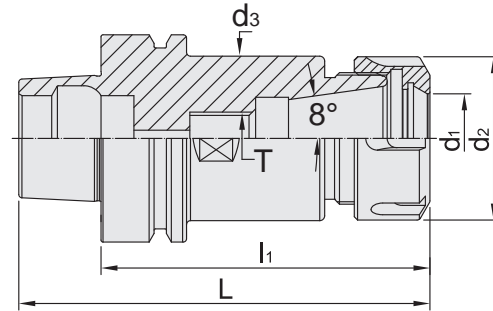
DAT



HSK



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

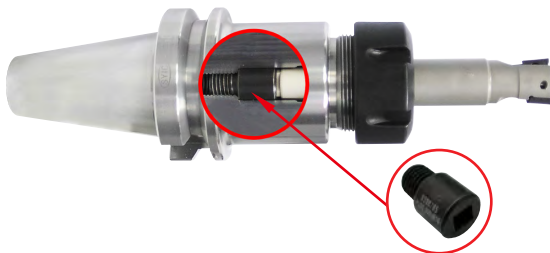


NT & MT

More options:

- 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.

ISO



Holding power is improved a lot!

BORING

PowerLOC Square Shank Adapter

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

SHRINK FIT

ACCESSORIES

KIT

MODEL NO.	TYPE - l ₁	L	d ₁ ER	d ₂	T	SIZE RANGE	WEIGHT (KGS)
SYIC - 31376 - E	HSK40E x ER16A - 65	85	16	28	M10 x 1.5P	1.0 ~ 10	0.35
SYIC - 31378 - E	HSK40E x ER20A - 60	80	20	34	-	1.0 ~ 13	0.35
SYIC - 31380 - E	HSK40E x ER20A - 100	120			M10 x 1.5P		
SYIC - 31383 - E	HSK40E x ER25 - 75	95	25	42	M16 x 2.0P	1.0 ~ 16	0.40
SYIC - 31386 - E	HSK40E x ER32 - 100	120	32	50	M16 x 2.0P	2.0 ~ 20	0.92
SYIC - 31402 - E	HSK50E x ER16A - 80	105	16	28	M10 x 1.5P	1.0 ~ 10	0.50
SYIC - 31408 - E	HSK50E x ER20A - 80		20	34	M12 x 1.75P	1.0 ~ 13	0.60
SYIC - 31419 - E	HSK50E x ER32 - 85	110	32	50	-	2.0 ~ 20	1.30
SYIC - 31456 - E	HSK63E x ER32 - 90	122			M16 x 2.0P		2.50
SYIC - 31467 - E	HSK63E x ER40 - 75	107	40	63	-	3.0 ~ 26	2.65
SYIC - 31472 - E	HSK63E x ER40 - 120	152			M20 x 2.0P		2.77

Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-59	P.J-29

TECHNICAL INFO.



HSK / ER COLLET CHUCK FOR TYPE F

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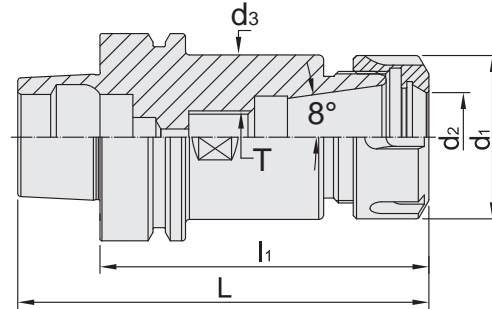
SYIC-31400-F

HSK / ER 立銑刀夾頭

DIN 69893 - 6
DIN ISO 15488

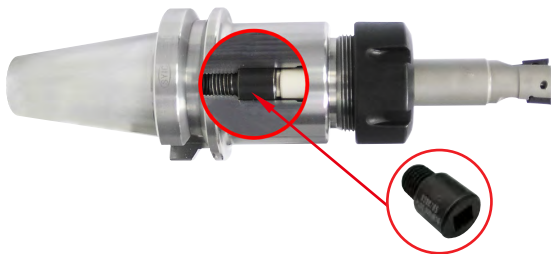
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More options:



PowerLOC Square Shank Adapter

- 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.

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.

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MODEL NO.	TYPE - l ₁	L	d ₁	d ₂ ER	d ₃ MAX.	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 31402 - F	HSK50F x ER16A - 80	100	28	16	42	1.0 ~ 10	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		1.0 ~ 13	M12 x 1.75P	0.60
SYIC - 31410 - F	HSK50F x ER20A - 100	120						0.65
SYIC - 31412 - F	HSK50F x ER20A - 120	140						0.70
SYIC - 31414 - F	HSK50F x ER25 - 80	100	42	25		1.0 ~ 16	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		2.0 ~ 20	M16 x 2.0P	1.35
SYIC - 31422 - F	HSK50F x ER32 - 135	155			1.50			
SYIC - 31424 - F	HSK50F x ER32 - 160	180			1.70			

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-59	P.J-29

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HSK / ER COLLET CHUCK FOR TYPE F

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SYIC-31400-F

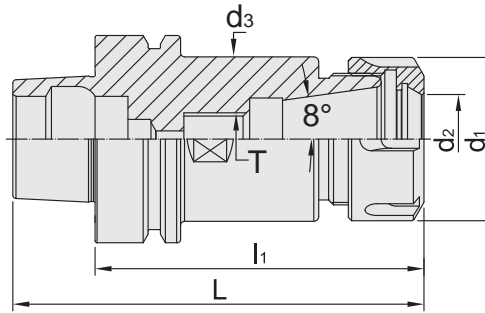
HSK / ER 立銑刀夾頭

DIN 69893 - 6
DIN ISO 15488

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T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731



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- 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.

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More options:

Holding power is improved a lot!

For the information of PowerLOC Square Shank Adapter, please refer to P.J-29.



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MODEL NO.	TYPE I ₁	L	d ₁	d ₂ ER	d ₃ MAX	SIZE RANGE	T	WEIGHT (KGS)		
SYIC - 31432 - F	HSK63F x ER16A - 80	105	28	16	53	1.0 ~ 10	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		53	1.0 ~ 13	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			53	1.0 ~ 16	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 - 30000 - F	HSK63F x ER32 - 70	95	50	32	53			2.0 ~ 20	M16 x 2.0P	2.50
SYIC - 31462 - F	HSK63F x ER32 - 100	125								2.55
SYIC - 31464 - F	HSK63F x ER32 - 145	170								2.70
SYIC - 31466 - F	HSK63F x ER32 - 160	185								3.10
SYIC - 30001 - F	HSK63F x ER40 - 75	100	63	40		53		3.0 ~ 26	M20 x 2.0P	2.65
SYIC - 31470 - F	HSK63F x ER40 - 100	125								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	78	50			53	5.0 ~ 34	M24 x 2.0P	3.10
SYIC - 31478 - F	HSK63F x ER50 - 120	145								3.50

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW	PowerLOC Square Shank Adapter
P.J-6	P.J-25	P.J-34	P.J-59	P.J-29

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HSK FACE MILL ARBOR FOR TYPE A

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SYIC-32390

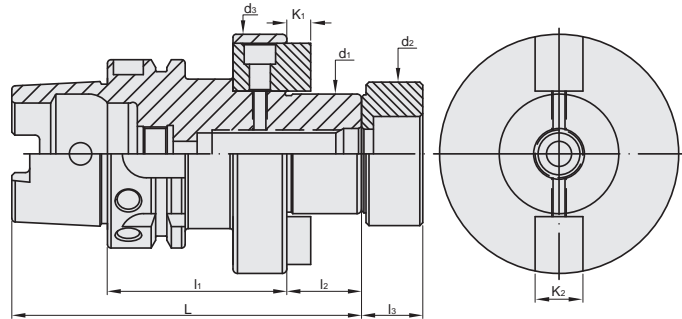
HSK 平面銑刀柄

DIN 69893 - 1

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- 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.

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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	52	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	48	4.8	10	1.0
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	53	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	117	25	20.5	48	80	8.3	16	2.1
SYIC - 32442	HSK100A x FMB22 - 50	119	19	14	26	48	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	135	25	20.5	48	80	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




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Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	SCREW
 P.J-30	 P.J-30	 P.J-61

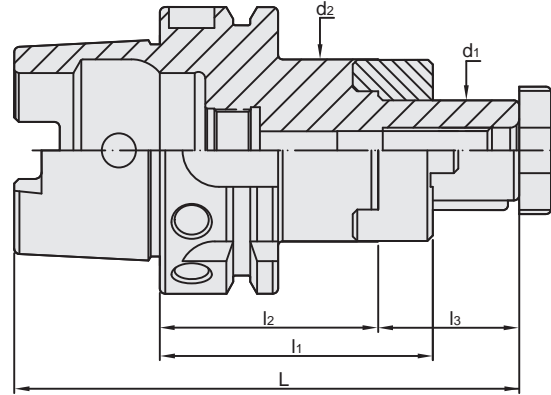
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SYIC-32600

HSK 聯結式銑刀柄

DIN 69893 - 1
DIN 69228 - 2



- 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	d ₂	WEIGHT (KGS)
SYIC - 32662	HSK32A x CSR16 - 55	88	45	27	32	0.50
SYIC - 32664	HSK32A x CSR22 - 55	90	43	31	40	0.50
SYIC - 32666	HSK32A x CSR27 - 65	102	53	33	48	0.60
SYIC - 32668	HSK40A x CSR16 - 50	87	40	27	32	0.50
SYIC - 32670	HSK40A x CSR22 - 50	89	38	31	40	0.60
SYIC - 32672	HSK40A x CSR27 - 65	106	53	33	48	0.70
SYIC - 32602	HSK50A x CSR16 - 50	92	40	27	32	0.77
SYIC - 32604	HSK50A x CSR22 - 50	94	38	31	40	0.88
SYIC - 32606	HSK50A x CSR27 - 65	111	53	33	48	1.10
SYIC - 32608	HSK50A x CSR32 - 65	114	51	38	50	1.40
SYIC - 32612	HSK63A x CSR16 - 60	109	50	27	32	0.97
SYIC - 32614	HSK63A x CSR22 - 60	111	48	31	40	1.08
SYIC - 32616	HSK63A x CSR27 - 60	113		33	48	1.30
SYIC - 32618	HSK63A x CSR32 - 60	116	46	38	52	1.60
SYIC - 32620	HSK63A x CSR40 - 70	129	56	41	70	2.05
SYIC - 32640	HSK100A x CSR16 - 60	127	50	27	32	2.47
SYIC - 32642	HSK100A x CSR22 - 60	129	48	31	40	2.68
SYIC - 32644	HSK100A x CSR27 - 60	131		33	48	2.90
SYIC - 32646	HSK100A x CSR32 - 60	134	46	38	58	3.20
SYIC - 32648	HSK100A x CSR40 - 70	147	56	41	70	3.65
SYIC - 32650	HSK100A x CSR50 - 80	160	64	46	90	4.10

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

Option

KEY	REMOVABLE RING	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P.J-31	P.J-31	P.J-31	P.J-31	P.J-30	P.J-30



HSK SIDE LOCK END MILL HOLDER FOR TYPE A

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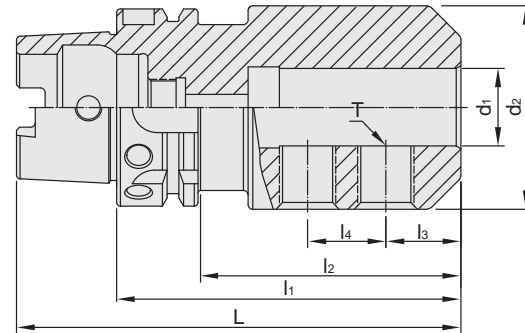
SYIC-32800

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1
DIN 1835 - B
DIN 69882 - 4

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- Internal hole tolerance : H5(DIN-1835-B standard).
- The tolerance of tool shank diameter is within h6.
- 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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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	34	18		25	M6 x 1.0P	0.7		
SYIC - 32804	HSK50A x SLN8 - 65		36	18		28	M8 x 1.25P	0.8		
SYIC - 32806	HSK50A x SLN10 - 65		36.5	20		35	M10 x 1.5P	0.8		
SYIC - 32808	HSK50A x SLN12 - 80	105	53.5	22.5		42	M12 x 1.75P	1.2		
SYIC - 32810	HSK50A x SLN14 - 80			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			53		25		52	M16 x 2.0P	1.5
SYIC - 32822	HSK63A x SLN6 - 65	97	36	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	112	49	22.5		42	M12 x 1.75P	1.7		
SYIC - 32830	HSK63A x SLN14 - 80			51		22.5		44	1.7	
SYIC - 32832	HSK63A x SLN16 - 80			51.5		24	48	M14 x 2.0P	1.7	
SYIC - 32834	HSK63A x SLN18 - 80					24	50		1.8	
SYIC - 32836	HSK63A x SLN20 - 80					53.5	25		52	M16 x 2.0P
SYIC - 32838	HSK63A x SLN25 - 110	142	83.2	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	41	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			46		22.5	42	M12 x 1.75P	3.4	
SYIC - 32870	HSK100A x SLN14 - 80					22.5	44		3.5	
SYIC - 32872	HSK100A x SLN16 - 100	150	66	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			61		25		52	3.9	
SYIC - 32878	HSK100A x SLN25 - 100			66		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	170	89	30	32	90	4.4			

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Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	LOCK SCREW
P.J-30	P.J-30	P.J-61

BT



HSK SIDE LOCK END MILL HOLDER FOR TYPE A

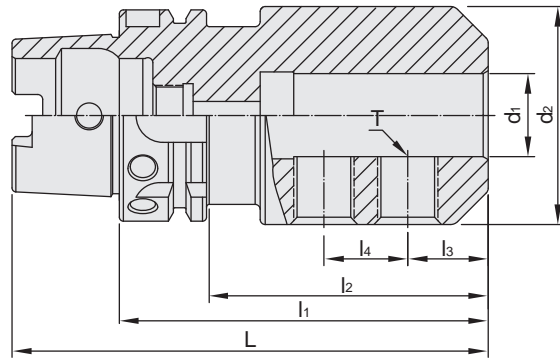
CAT

SYIC-32900

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1

DAT



HSK

NT & MT

- Internal hole tolerance : H5(DIN-1835-B standard).
- The tolerance of tool shank diameter is within h6.
- 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.

ISO

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	1.516	0.63	-	0.78	1/4 - 28	0.31
SYIC - 32926	HSK40A x SLN3/8" - 2.5"		1.594	0.75		1	3/8 - 24	0.42
SYIC - 32928	HSK40A x SLN1/2" - 2.75"	3.537	1.884	0.875		1.38	7/16 - 20	0.57
SYIC - 32930	HSK40A x SLN5/8" - 3"	3.787	2.181	0.937		1.63	1/2 - 20	0.69
SYIC - 32948	HSK63A x SLN1/4" - 3"	4.26	1.78	0.63	1	0.78	1/4 - 28	0.76
SYIC - 32952	HSK63A x SLN3/8" - 3"			0.75		1	3/8 - 24	0.88
SYIC - 32954	HSK63A x SLN1/2" - 3"			0.875		1.38	7/16 - 20	1.13
SYIC - 32956	HSK63A x SLN5/8" - 3.75"	5	2.53	0.937		-	1.63	1/2 - 20
SYIC - 32958	HSK63A x SLN3/4" - 3.75"		2.648	1	1.75		5/8 - 18	1.33
SYIC - 32962	HSK63A x SLN1" - 3.75"		2.687	1.125	2		3/4 - 16	2.30
SYIC - 32964	HSK63A x SLN1-1/4" - 4.25"	5.51	3.187	1.125	2.5		2.52	
SYIC - 32978	HSK100A x SLN1/4" - 3"	4.97	1.465	0.63	-	0.78	1/4 - 28	2.16
SYIC - 32982	HSK100A x SLN3/8" - 3"		1.661	0.75		1	3/8 - 24	2.31
SYIC - 32984	HSK100A x SLN1/2" - 3.25"	5.219	1.911	0.875		1.38	7/16 - 20	2.45
SYIC - 32986	HSK100A x SLN5/8" - 3.75"	5.719	2.411	0.937		1.63	1/2 - 20	2.84
SYIC - 32988	HSK100A x SLN3/4" - 3.75"			1	1.75	5/8 - 18	2.95	
SYIC - 32992	HSK100A x SLN1" - 4.25"	6.219	2.911	1.125	1	2	3/4 - 16	3.46
SYIC - 32994	HSK100A x SLN1-1/4" - 4.25"					2.5		3.73
SYIC - 32996	HSK100A x SLN1-1/2" - 4.5"					2.75		5.51
SYIC - 32998	HSK100A x SLN2" - 5.5"	7.469	4.319	1.41		1.5		3.75

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	LOCK SCREW
P.J-30	P.J-30	P.J-61

TECHNICAL INFO.



HSK SIDE LOCK END MILL HOLDER FOR TYPE A

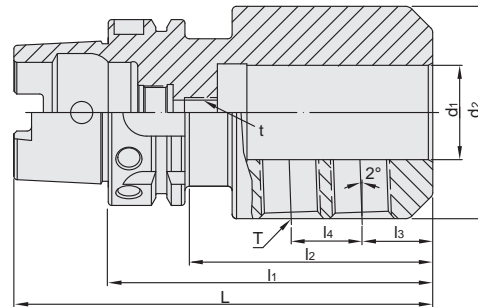
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SYIC-33100

HSK / SLN 側固式立銑刀柄

DIN 69893 - 1
DIN 1835 - E
DIN 69882 - 5

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- Internal hole tolerance : H5(DIN-1835-B standard).
- The side lock screw angle: 2°.
- Each checked by balancing machine.
- The tolerance of tool shank diameter is within h6.
- 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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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	49	18		25	M5	M6 x 1.0P	0.8		
SYIC - 33104	HSK50A x SLNB8 - 80					28	M6	M8 x 1.25P	0.9		
SYIC - 33106	HSK50A x SLNB10 - 80					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					44			1.4		
SYIC - 33112	HSK50A x SLNB16 - 90					63.2	24	48	M12	M14 x 2.0P	1.4
SYIC - 33114	HSK50A x SLNB18 - 90							50			1.6
SYIC - 33116	HSK50A x SLNB20 - 100	125	73	25		52	M16	M16 x 2.0P	1.7		
SYIC - 33132	HSK63A x SLNB6 - 80	112	49	18		25	M5	M6 x 1.0P	1.0		
SYIC - 33134	HSK63A x SLNB8 - 80					28	M6	M8 x 1.25P	1.1		
SYIC - 33136	HSK63A x SLNB10 - 80					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					44			2.0		
SYIC - 33142	HSK63A x SLNB16 - 100	132	72	24		48	M12	M14 x 2.0P	2.0		
SYIC - 33144	HSK63A x SLNB18 - 100					50			2.1		
SYIC - 33146	HSK63A x SLNB20 - 100					72.5	25	52	M16	M16 x 2.0P	2.1
SYIC - 33148	HSK63A x SLNB25 - 110	142	83.2	24	25	65	M20	M18 x 2.0P	2.6		
SYIC - 33150	HSK63A x SLNB32 - 110		82.5		24	72	-	M20 x 2.0P	2.8		
SYIC - 33162	HSK100A x SLNB6 - 90	140	51	18		25	M5	M6 x 1.0P	3.4		
SYIC - 33164	HSK100A x SLNB8 - 90					28	M6	M8 x 1.25P	3.5		
SYIC - 33166	HSK100A x SLNB10 - 90					35	M8	M10 x 1.5P	3.8		
SYIC - 33168	HSK100A x SLNB12 - 100	150	61	22.5		42	M10	M12 x 1.75P	3.8		
SYIC - 33170	HSK100A x SLNB14 - 100					44			4.0		
SYIC - 33172	HSK100A x SLNB16 - 100					66	24	48	M12	M14 x 2.0P	4.0
SYIC - 33174	HSK100A x SLNB18 - 100							50			4.0
SYIC - 33176	HSK100A x SLNB20 - 110	160	71	25		52	M16	M16 x 2.0P	4.2		
SYIC - 33178	HSK100A x SLNB25 - 120	170	86	24	22	65	M20	M18 x 2.0P	4.4		
SYIC - 33180	HSK100A x SLNB32 - 120				24			72	M20 x 2.0P	4.5	
SYIC - 33182	HSK100A x SLNB40 - 120				89	30	32	90	M20 x 2.0P	5.0	

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Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	LOCK SCREW
P.J-30	P.J-30	P.J-61

BT



HSK / SPU DRILL CHUCK ADAPTER FOR TYPE A

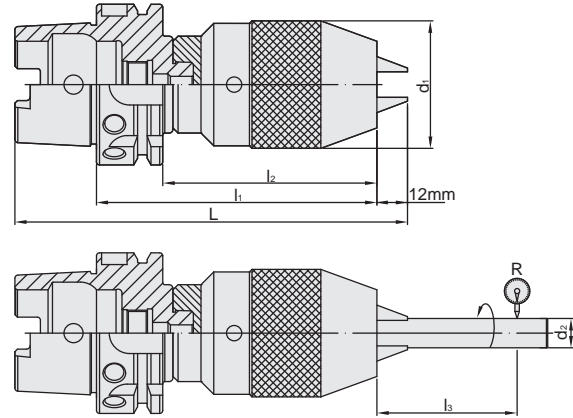
CAT

SYIC-34900

HSK / SPU 直結式鑽夾頭

DIN 69893 - 1

DAT



HSK

NT & MT

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.

ISO

- 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.

BORING



SHRINK FIT

ACCESSORIES

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 34903	HSK50A x SPU13 - 150	187	124	55	50	5	0.04	1.4
SYIC - 34905	HSK63A x SPU13 - 150	194	124			10		2.1
SYIC - 34907	HSK100A x SPU13 - 155	217	126	75		13		3.1

KIT

Standard Accessory: ● SPANNER
Option

SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P.J-35	P.J-30	P.J-30

TECHNICAL INFO.



HSK / SPH DRILL CHUCK ADAPTER FOR TYPE A

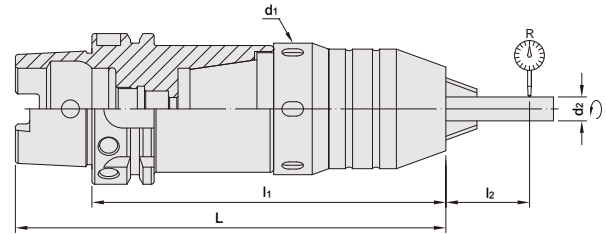
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SYIC-35000

HSK / SPH 直結式鑽夾頭

DIN 69893 - 1

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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.

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- 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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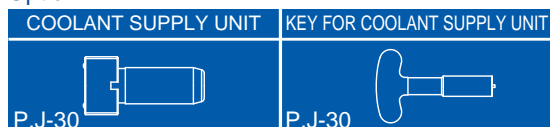
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MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	R	WEIGHT (KGS)
SYIC - 35004	HSK40A x SPH8 - 100	120	55	42	6	0.04	1.4
SYIC - 35008	HSK40A x SPH13 - 125	145.6	75	54	8		1.6
SYIC - 35020	HSK63A x SPH8 - 130	162	55	42	6		1.4
SYIC - 35024	HSK63A x SPH13 - 150	184.3	75	54	8		1.6

Standard Accessory: ● SPANNER

Option



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HSK MORSE TAPER ADAPTER FOR TYPE A

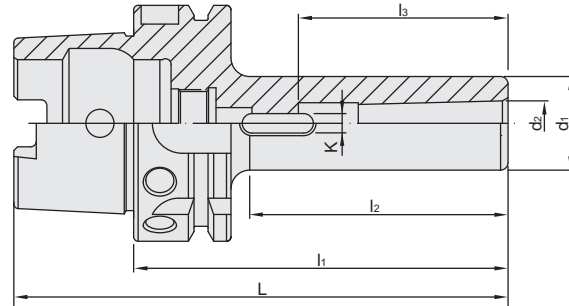
CAT

SYIC-35100

HSK 斜柄鑽頭套筒

DIN 69893 - 1

DAT



HSK

NT & MT

- Roundness: 0.005mm.
- MTA=TANG TYPE=DIN 228-B

ISO

BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.

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	69	56	25	12.065	5.2	1.5
SYIC - 35104	HSK50A x MTA2 - 120	145	89	67	32	17.78	6.3	1.8
SYIC - 35106	HSK50A x MTA3 - 140	165	113	84	40	23.825	7.9	1.9
SYIC - 35112	HSK63A x MTA1 - 100	132	69	56	25	12.065	5.2	1.9
SYIC - 35114	HSK63A x MTA2 - 120	152	89	67	32	17.78	6.3	2.0
SYIC - 35116	HSK63A x MTA3 - 140	172	109	84	40	23.825	7.9	2.2
SYIC - 35118	HSK63A x MTA4 - 160	192	132	107	48	31.267	11.9	2.5
SYIC - 35122	HSK100A x MTA1 - 110	160	71	56	25	12.065	5.2	3.4
SYIC - 35124	HSK100A x MTA2 - 120	170	81	67	32	17.78	6.3	3.8
SYIC - 35126	HSK100A x MTA3 - 150	200	111	84	40	23.825	7.9	4.0
SYIC - 35128	HSK100A x MTA4 - 170	220	131	107	48	31.267	11.9	4.6
SYIC - 35130	HSK100A x MTA5 - 200	250	166	135	63	44.399	15.9	5.2

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P.J-30	P.J-30



STRAIGHT COLLET HSK / MLD MULTI - LOCK MILLING CHUCK

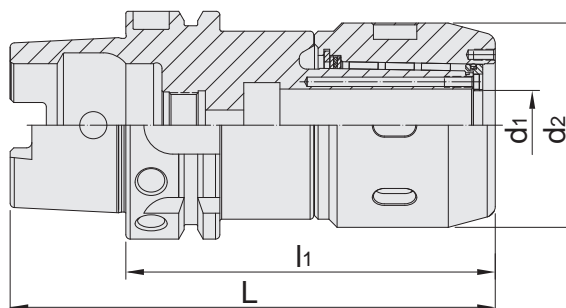
SYIC-35300G

HSK / MLD 直式筒夾 銑床夾頭

DIN 69893 - 1



T W PAT NO. M447277
T W PAT NO. M430337

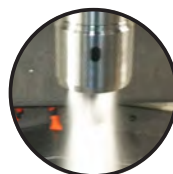


- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.



- The design of coolant grooves improves the cooling and metal chips removal capability.

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 35312G	HSK50A x MLD20 - 120	140	120	20	56.5	1.62
SYIC - 35316G	HSK50A x MLD32 - 130	150	130	32	71	1.80
SYIC - 35322G	HSK63A x MLD20 - 120	152	120	20	56.5	1.68
SYIC - 35332G	HSK63A x MLD32 - 120			32	71	1.76
SYIC - 35352G	HSK100A x MLD20 - 120	170	120	20	56.5	3.4
SYIC - 35356G	HSK100A x MLD32 - 120			32	71	3.4

Standard Accessory: ● NUT ● PRESET SCREW
Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-30	P.J-30	P.J-59



**STRAIGHT COLLET
HSK / MLD MULTI - LOCK MILLING CHUCK**

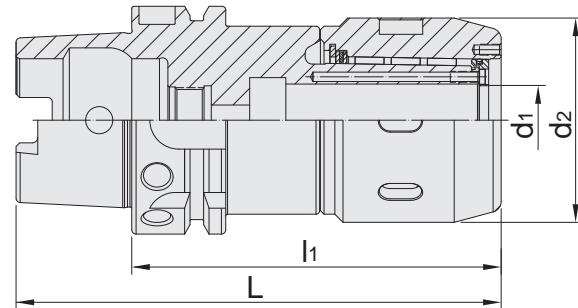
SYIC-33200G

HSK / MLD 直式筒夾 銑床夾頭

DIN 69893 - 1



T W PAT NO. M430337

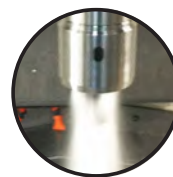


- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap. It's good for heat dissipation and discharges the metal chips effectively.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- The design of coolant grooves improves the cooling and metal chips removal capability.

INCHES

MODEL NO.	TYPE	L	l ₁	d ₁	d ₂	WEIGHT (KGS)
SYIC - 33222G	HSK50xMLD3/4"-4"	4.984	4.000	0.750	2.224	1.62
SYIC - 33226G	HSK50xMLD1-1/4"-5.12"	6.102	5.120	1.250	2.795	1.70
SYIC - 33232G	HSK63xMLD3/4"-4"	5.260	4.000	0.750	2.224	1.80
SYIC - 33236G	HSK63xMLD1-1/4"-4.72"	5.984	4.720	1.250	2.795	1.68
SYIC - 33252G	HSK100xMLD3/4"-4.72"	6.693	4.720	0.750	2.224	1.70
SYIC - 33256G	HSK100xMLD1-1/4"-4.72"	6.693	4.720	1.250	2.792	1.76

Standard Accessory: • NUT • PRESET SCREW
Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	SET SCREW
P.J-19	P.G-17	P.J-29	P.J-35	P.J-30	P.J-30	P.J-59



HSK / SBL SLIM-FIT COLLET CHUCK FOR TYPE A

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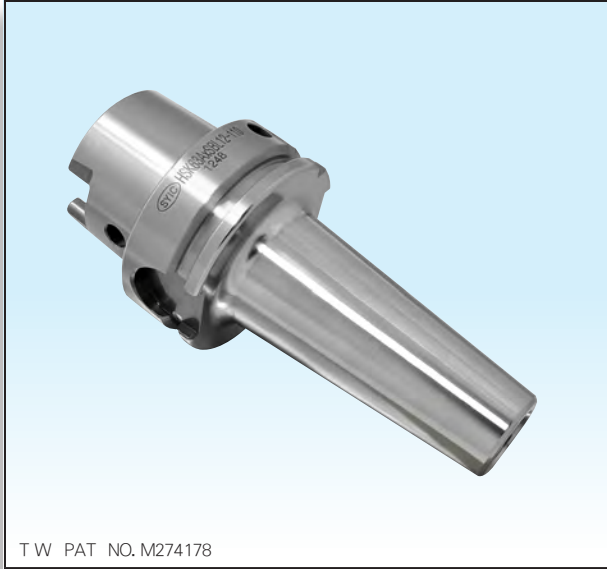
SYIC-35450

HSK / SBL 後拉式立銑刀夾頭

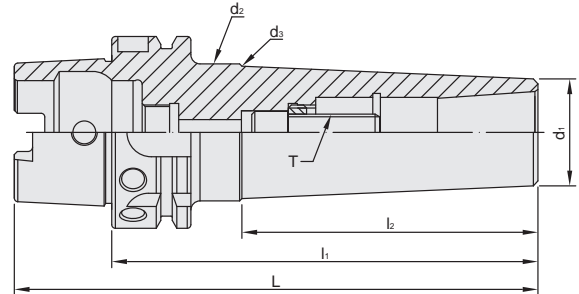
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T W PAT NO. M274178



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• SCREW TIGHTENING TORQUE

TYPE	T	TORQUE	
		N.m	1bf-ft
SBL6	M6 x 1.0P	12	9
SBL12	M10 x 1.5P	59	43
SBL20	M12 x 1.75P	100	74

- 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.

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MODEL NO.	TYPE - l ₁	L	l ₂	d ₁	d ₂	d ₃	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 35452	HSK50A x SBL6 - 80	105	44	14	18	-	3.0 ~ 6.0	M6 x 1.0P	1.40
SYIC - 35454	HSK50A x SBL6 - 120	145	84		22				1.50
SYIC - 35456	HSK50A x SBL12 - 110	135	65	26	42	36	3.0 ~ 12	M10 x 1.5P	1.50
SYIC - 35458	HSK50A x SBL12 - 130	155	86						39
SYIC - 35460	HSK50A x SBL20 - 120	145	93	35	-	-	3.0 ~ 20	M12 x 1.75P	1.80
SYIC - 35462	HSK50A x SBL20 - 150	175	123						2.00
SYIC - 35470	HSK63A x SBL6 - 80	112	39	14	18	-	3.0 ~ 6.0	M6 x 1.0P	1.70
SYIC - 35472	HSK63A x SBL6 - 120	152	79		22				1.90
SYIC - 35476	HSK63A x SBL12 - 110	142	79	26	37	-	3.0 ~ 12	M10 x 1.5P	1.80
SYIC - 35478	HSK63A x SBL12 - 150	182	119		42				2.00
SYIC - 35480	HSK63A x SBL20 - 120	152	89	35	42	-	3.0 ~ 20	M12 x 1.75P	2.00
SYIC - 35482	HSK63A x SBL20 - 140	172	97		45				43
SYIC - 35492	HSK100A x SBL6 - 120	170	76	14	22	-	3.0 ~ 6.0	M6 x 1.0P	2.15
SYIC - 35494	HSK100A x SBL12 - 120	170	81	26	37				3.0 ~ 12
SYIC - 35496	HSK100A x SBL20 - 135	185	88	35	45	42	3.0 ~ 20	M12 x 1.75P	2.74





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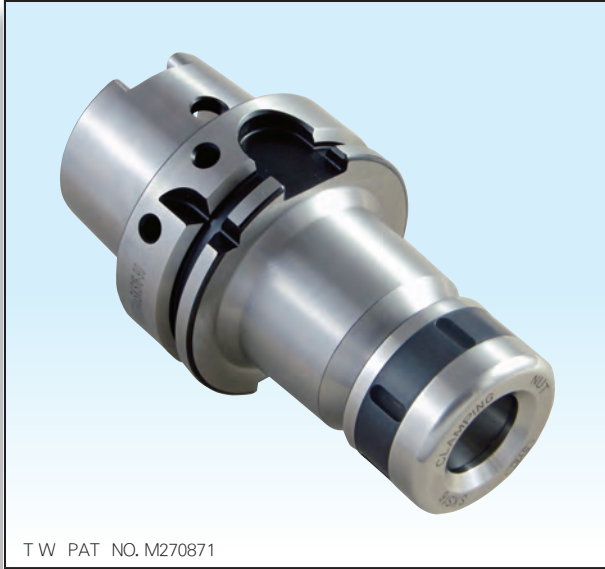
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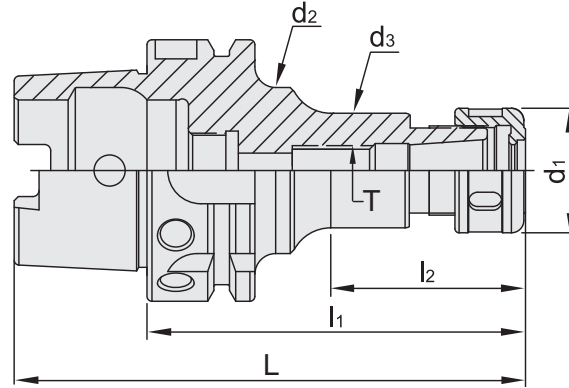
Option

COLLET	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	SPANNER
 P.J-21	 P.J-30	 P.J-30	 P.J-35

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T W PAT NO. M270871



- 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 - l ₁	L	l ₂	SIZE RANGE	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 35506	HSK50A x SKS6 - 90	115	44	3.0 ~ 6.0	18	32	18	M8 x 1.25P	0.8
SYIC - 35508	HSK50A x SKS6 - 120	145	74						1.0
SYIC - 35512	HSK50A x SKS10 - 90	115	45	2.0 ~ 10	30	40	27.6	M12 x 1.75P	0.8
SYIC - 35514	HSK50A x SKS10 - 120	145	75						1.0
SYIC - 35515	HSK50A x SKS13 - 70	95	43	3.0 ~ 13	27.1	33	-	M12 x 1.75P	0.9
SYIC - 35515 - 105	HSK50A x SKS13 - 105	130	76						1.2
SYIC - 35516	HSK50A x SKS16 - 90	115	63	3.0 ~ 16	40	40	-	M18 x 1.5P	1.0
SYIC - 35517	HSK50A x SKS16 - 120	145	93						1.2
SYIC - 35518	HSK50A x SKS20 - 90	115	63	3.0 ~ 20	48.5	48.5	-	M 22x 1.5P	1.0
SYIC - 35518 - 120	HSK50A x SKS20 - 120	145	93						1.2
SYIC - 35519	HSK50A x SKS25 - 90	115	63	3.0 ~ 25.4	55	42	-	M28 x 2.0P	1.3
SYIC - 35520	HSK50A x SKS25 - 120	145	93						1.4

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-30	P.J-30	P.J-59



HSK / SKS COLLET CHUCK FOR TYPE A

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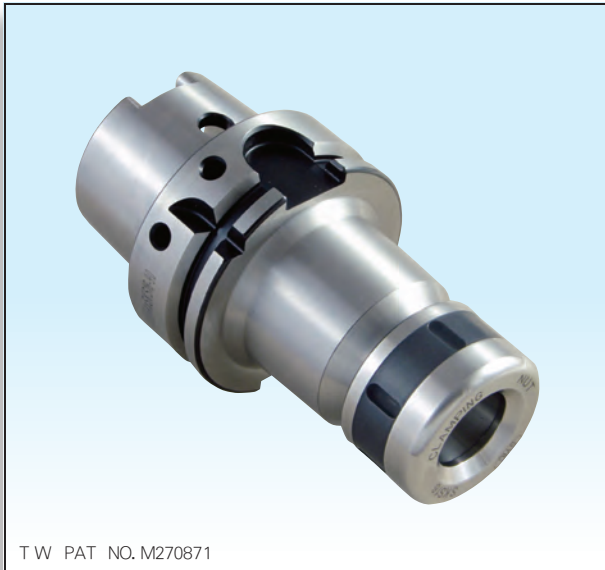
SYIC-35500

HSK / SKS 高速機專用夾頭

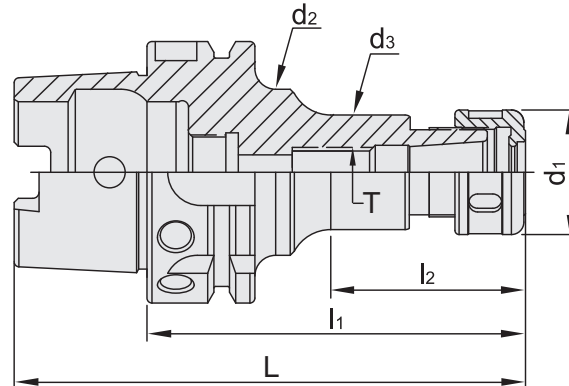
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T W PAT NO. M270871



- Runout is within 5 μ (4D length).
- SKS Collect taper: 4 $^{\circ}$, 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.

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MODEL NO.	TYPE - l ₁	L	l ₂	SIZE RANGE	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 35521	HSK63A x SKS6 - 90	122	44	3.0 ~ 6.0	18	32	18	M8 x 1.25P	1.0
SYIC - 35522	HSK63A x SKS10 - 90	122	45	3.0 ~ 10	30	40	27.6	M12 x 1.75P	1.0
SYIC - 35524	HSK63A x SKS10 - 120	152	75					M12 x 1.75P	1.8
SYIC - 35525	HSK63A x SKS13 - 70	102	43	3.0 ~ 13	33	33	-	0.9	
SYIC - 35525-105	HSK63A x SKS13 - 105	137	74				M12 x 1.75P	1.2	
SYIC - 35525-120	HSK63A x SKS13 - 120	152	89				M12 x 1.75P	1.5	
SYIC - 35526	HSK63A x SKS16 - 90	122	59	3.0 ~ 16	40	40	M18 x 1.5P	2.0	
SYIC - 35528	HSK63A x SKS16 - 120	152	89				M18 x 1.5P	2.2	
SYIC - 35530	HSK63A x SKS20 - 90	122	63	3.0 ~ 20	48.5	48.5	-	1.4	
SYIC - 35530-105	HSK63A x SKS20 - 105	137	78				M22 x 1.5P	1.6	
SYIC - 35530-120	HSK63A x SKS20 - 120	152	93				M22 x 1.5P	1.8	
SYIC - 35530-135	HSK63A x SKS20 - 135	167	108				M22 x 1.5P	2.0	
SYIC - 35536	HSK63A x SKS25 - 90	122	63	3.0 ~ 25.4	55	52	M28 x 2.0P	2.2	
SYIC - 35538	HSK63A x SKS25 - 120	152	93				M28 x 2.0P	2.3	
SYIC - 35550	HSK100A x SKS6 - 100	150	44	3.0 ~ 6.0	18	32	18	M8 x 1.25P	1.2
SYIC - 35552	HSK100A x SKS10 - 100	150	45	3.0 ~ 10	30	40	27.6	M12 x 1.75P	2.6
SYIC - 35553	HSK100A x SKS13 - 105	155	71	3.0 ~ 13	27.1	33	-	M12 x 1.75P	2.7
SYIC - 35553-120	HSK100A x SKS13 - 120	170	86					M12 x 1.75P	3.1
SYIC - 35553-150	HSK100A x SKS13 - 150	200	88			45		33	M12 x 1.75P
SYIC - 35554	HSK100A x SKS16 - 105	155	66	3.0 ~ 16	40	40	-	M18 x 1.5P	2.7
SYIC - 35555	HSK100A x SKS20 - 120	170	86	3.0 ~ 20	40.1	48.5		M22 x 1.5P	3.1
SYIC - 35555-150	HSK100A x SKS20 - 150	200	116					M22 x 1.5P	3.5
SYIC - 35555-200	HSK100A x SKS20 - 200	250	166	3.0 ~ 25.4	55	55	-	M28 x 2.0P	4.2
SYIC - 35556	HSK100A x SKS25 - 120	170	81					M28 x 2.0P	3.4

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-30	P.J-30	P.J-59

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HSK / SOM SCREWED END MILL HOLDER FOR TYPE A

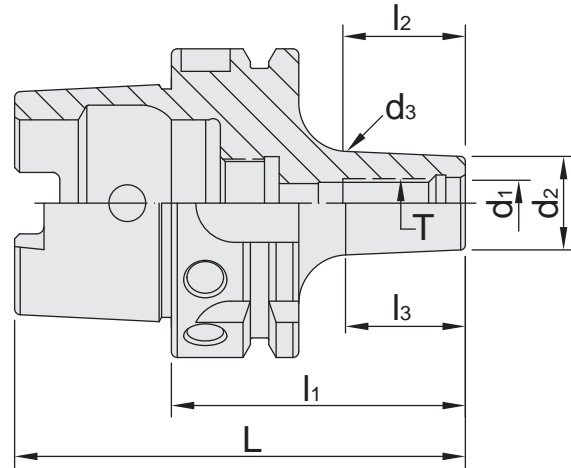
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SYIC-39200

HSK / SOM 螺紋鎖固式刀桿

DIN 69893 - 1

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- 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.

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MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 39230	HSK50A x SOM6 - 60	85	25	24	6.5	13	15	M6 x 1.0P	0.70
SYIC - 39232	HSK50A x SOM8 - 60				8.5	15	17	M8 x 1.25	0.70
SYIC - 39234	HSK50A x SOM10 - 60				10.5	19	21	M10 x 1.5P	0.80
SYIC - 39236	HSK50A x SOM12 - 70	95	31	36	12.5	21	24	M12 x 1.75	0.80
SYIC - 39238	HSK50A x SOM16 - 80	105	30	49	17	25	29	M16 x 2.0P	0.80
SYIC - 39250	HSK63A x SOM6 - 60	92	25	24	6.5	13	15	M6 x 1.0P	1.00
SYIC - 39252	HSK63A x SOM8 - 60				8.5	15	17	M8 x 1.25P	1.00
SYIC - 39254	HSK63A x SOM10 - 60				10.5	19	21	M10 x 1.5P	1.10
SYIC - 39256	HSK63A x SOM12 - 70	102	31	34	12.5	21	23	M12 x 1.75	1.10
SYIC - 39258	HSK63A x SOM16 - 80	112	30	49	17	25	29	M16 x 2.0P	1.10
SYIC - 39270	HSK100A x SOM6 - 90	140	25	51	6.5	13	17	M6 x 1.0P	2.18
SYIC - 39272	HSK100A x SOM8 - 90				8.5	15	19	M8 x 1.25P	2.19
SYIC - 39274	HSK100A x SOM10 - 95			145	56	10.5	19	23	M10 x 1.5P
SYIC - 39276	HSK100A x SOM12 - 90	140	31	51	12.5	21	25	M12 x 1.75P	2.31
SYIC - 39278	HSK100A x SOM16 - 100	150	30	61	17	25	30	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
P.J-46	P.J-46	P.J-47	P.J-47	P.J-30	P.J-30

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HSK / PSC ADAPTER

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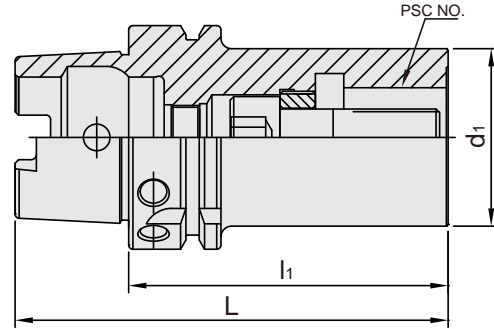
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SYIC-73.501

HSK / PSC 套筒



MODEL NO.	TYPE	PSC NO.	L	l ₁	d ₁
SYIC - 73.501.32.075	HSK63A x PSC32 - 75	PSC32	107	75	32
SYIC - 73.501.40.080	HSK63A x PSC40 - 80	PSC40	112	80	40
SYIC - 73.501.50.090	HSK63A x PSC50 - 90	PSC50	122	90	50
SYIC - 75.501.32.080	HSK100A x PSC32 - 80	PSC32	130	80	32
SYIC - 75.501.40.090	HSK100A x PSC40 - 90	PSC40	140	90	40
SYIC - 75.501.50.100	HSK100A x PSC50 - 100	PSC50	150	100	50
SYIC - 75.501.63.110	HSK100A x PSC63 - 110	PSC63	160	110	63
SYIC - 75.501.63.150	HSK100A x PSC63 - 150		200	150	
SYIC - 75.501.63.200	HSK100A x PSC63 - 200		250	200	
SYIC - 75.501.63.250	HSK100A x PSC63 - 250		300	250	
SYIC - 75.501.63.300	HSK100A x PSC63 - 300		350	300	

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
<p>P.J-30</p>	<p>P.J-30</p>



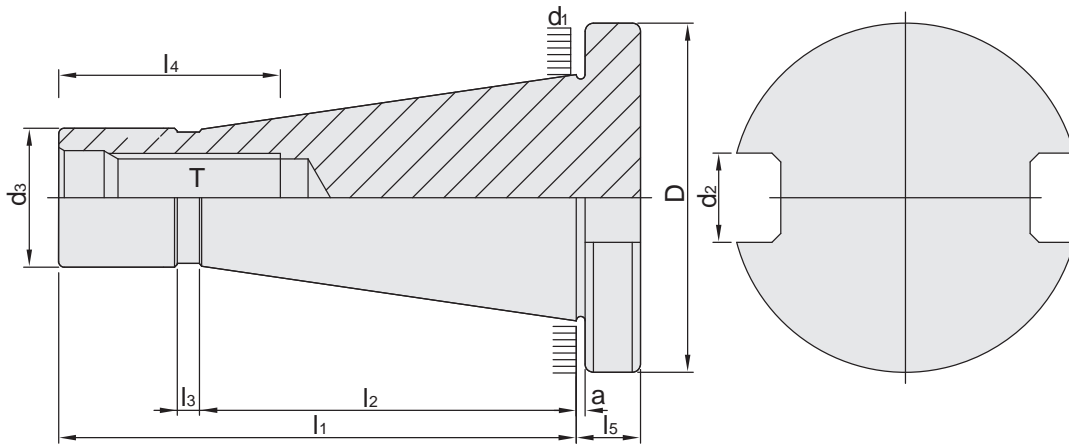
NT & MT

TOOL HOLDER SYSTEM

04730	NT / ER COLLET HOLDER	E-3
04700	MTB / ER COLLET HOLDER	E-4
04715	R8 / ER COLLET HOLDER	E-4
81530	NT DRILL CHUCK ARBOR	E-5
82230	SPU DRILL CHUCK <small>INTEGRATED TYPE</small>	E-6
82800	NT FACE MILL ARBOR	E-7
82850	NT ADAPTER	E-8
82900	NT MORSE TAPER ADAPTER	E-9
83200	NT / SLN SIDE LOCK END MILL HOLDER	E-10
83360	NT / COMBI SHELL END MILL ARBOR	E-11
83670	EOC COLLET CHUCK	E-12
84020	TG COLLET CHUCK	E-13
85930G	MLD MULTI - LOCK COLLET CHUCK	E-14



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 μm
5. Surface roughness: Ra < 0.25 μm
7. Shank body standard: DIN2080



NT / ER COLLET HOLDER

BT

SYIC-04730

NT / ER 銑夾頭柄

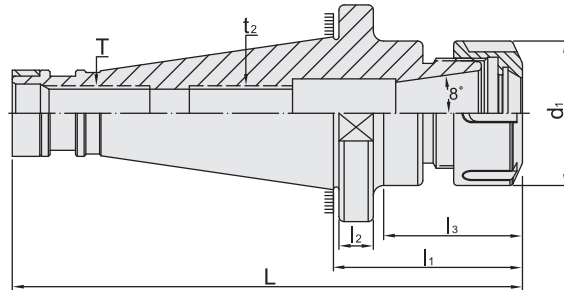
DIN ISO 15488

CAT



DAT

H SK



NT & MT

- 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.

I S O

BORING

MODEL NO.	TYPE DIN2080 x ER x l ₁	L	l ₂	l ₃	d ₁	t ₂	T DRAW BAR	WEIGHT (KGS)
SYIC - 04732	NT30 x ER16A - 45	111.4	8	32	28	M10 x 1.5P	M12 x 1.75P or 1/2" - 12	0.50
SYIC - 04733	NT30 x ER20A - 45	113.4		32	34	M12 x 1.75P		0.60
SYIC - 04734	NT30 x ER25 - 55	123.4		42	42	M16 x 2.0P		0.65
SYIC - 04735	NT30 x ER32 - 60	128.4		48	50			0.80
SYIC - 04736	NT30 x ER40 - 75	143.4		63	63			0.90
SYIC - 04738	NT40 x ER16A - 45	138.4	10	30	28	M10 x 1.5P	M16 x 2.0P or 5/8" - 11	0.95
SYIC - 04740	NT40 x ER20A - 45	138.4		30	34	M12 x 1.75P		1.20
SYIC - 04742	NT40 x ER25 - 55	148.4		40	42	M16 x 2.0P		1.25
SYIC - 04743	NT40 x ER32 - 60	153.4		45	50			1.30
SYIC - 04745	NT40 x ER40 - 70	163.4		43	63	M20 x 2.0P		1.35
SYIC - 04746	NT40 x ER50 - 80	173.4		68	78	M24 x 2.0P		2.00
SYIC - 04748	NT50 x ER32 - 75	201.8		12	49	50		M16 x 2.0P
SYIC - 04749	NT50 x ER40 - 80	206.8	59		63	M20 x 2.0P	3.40	
SYIC - 04750	NT50 x ER50 - 80	206.8	62		78	M24 x 2.0P	3.70	

SHRINK FIT

ACCESSORIES

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-59

KIT

TECHNICAL INFO.



MTB / ER COLLET HOLDER

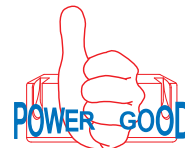
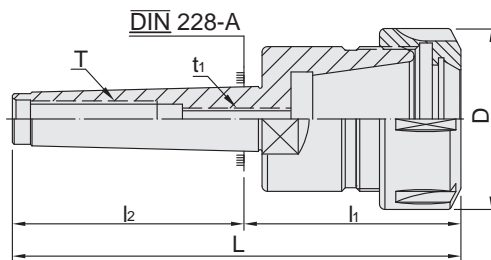
SYIC-04700

MTB / ER 銑床夾頭柄

DIN ISO 15488



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



SYIC-83640
P.J-50



- MTB=MK.
- MTB+TANG=MTA.
- For Tang, please 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		151	63			1.30
SYIC - 04705	MTB4 x ER32 - 60	102.5	162.5	50	M16 x 2.0P	M16 x 2.0P, 5/8" W11	0.95
SYIC - 04706	MTB4 x ER40 - 70		172.5	63			1.50



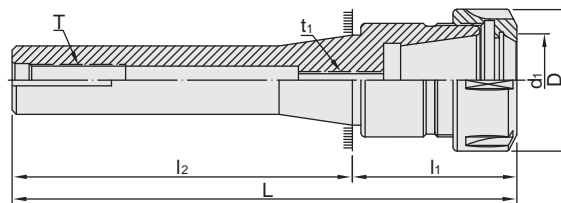
R8 / ER COLLET HOLDER

SYIC-04715

R8 / ER 銑床夾頭柄



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



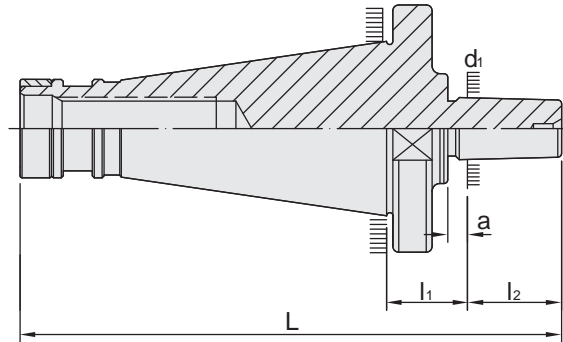
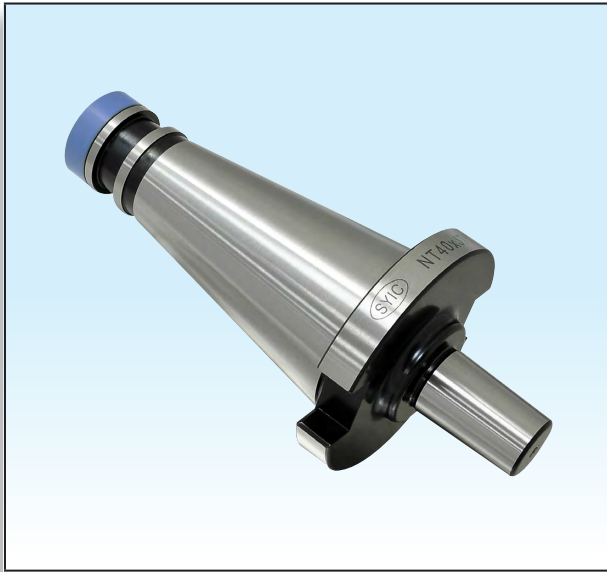
- Steel: SCM - 21.
- HRC: 56°.
- Body's thread is ground precisely.

- Each holder has been locked with a 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.
- Please inform DRAW BAR size when making an order.

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

Option

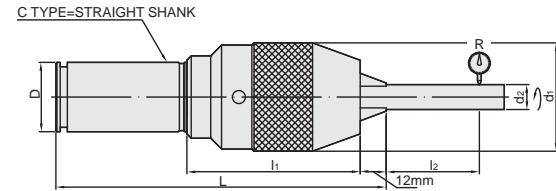
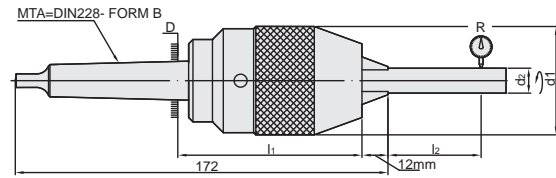
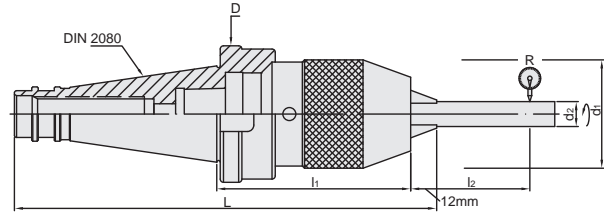
KEYLESS DRILL CHUCK

P.J-58



SYIC-82230

SPU 直結式鑽夾頭



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 - 61	61	55	121	20	50	10	0.05	1.15		
SYIC - 82230	C20 x SPU13 - 81	81		141	20				1.20		
SYIC - 82231	C25 x SPU13 - 81			160	25				1.30		
SYIC - 82232	C32 x SPU13 - 81			162	32				1.50		
SYIC - 82233	MTA3 x SPU13 - 81			162	50				1.30		
SYIC - 82234	MTA4 x SPU13 - 81	81		206	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	1.90	
SYIC - 82238	NT50 x SPU13 - 80	80		75	218.8				97.5	13	3.80
SYIC - 82239	R8 x SPU13 - 81	81		184	50				10	1.42	
SYIC - 82245	NT30 x SPU 8 - 80	80	55	160.4	49	37	5	1.30			
SYIC - 82246	NT40 x SPU8 - 80			185.4	63	5	1.48				
SYIC - 82247	NT40 x SPU16 - 100	100	75	205.4	63	57	13	2.28			
SYIC - 82248	NT50 x SPU16 - 100			238.8	97.5		13	4.20			

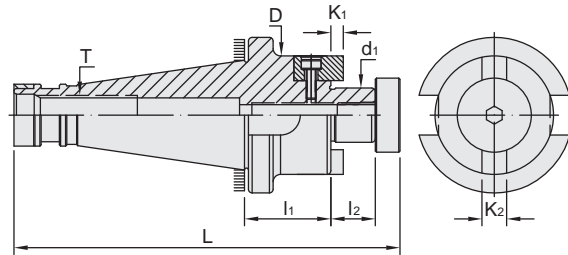
Standard Accessory: ● SPANNER

Option

SPANNER	TANG
P.J-35	P.J-50

SYIC-82800

NT 平面銑刀柄

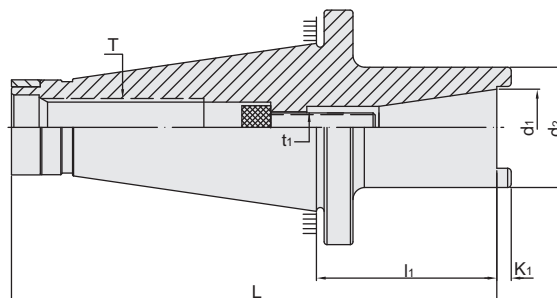


- d1=the external dia. of face mill cutter.
- There's a plastic ring at the end of the shank to protect machine spindle.
- When making an order, please inform DRAW BAR size.

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	70	173.4	25	6.87	15.87	2.00		
SYIC - 82810	NT40 x FMA50.80	98	174.9	24	36	9.75	19.05	M16 x 2.0P	2.55
SYIC - 82811	NT40 x FMA47.62	128.75	149.4		32	12.5	25.4		2.90
SYIC - 82813	NT50 x FMA25.40	50	182.8	45	20	4.5	9.52	1" - 8 or M24 x 3.0P	3.52
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		6.00
SYIC - 82817	NT50 x FMA47.62	128.75	157.8	24	32	12.5	25.4		4.90
SYIC - 82827	NT30 x FMB22mm	42	136.4	35	19	4	10	1/2" - 12 or M12 x 1.75P	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	3.38
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	4.54		
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



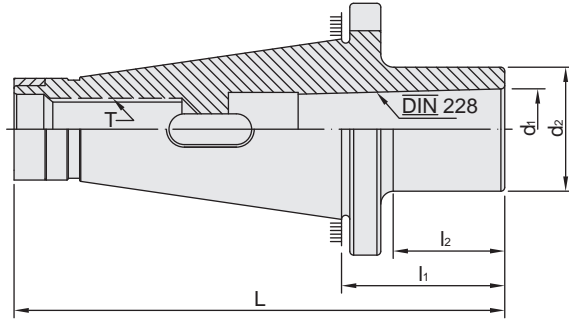
• Please inform the DRAW BAR size when making an order.

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	85	207.8	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	1" - 8 or M24 x 3.0P	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



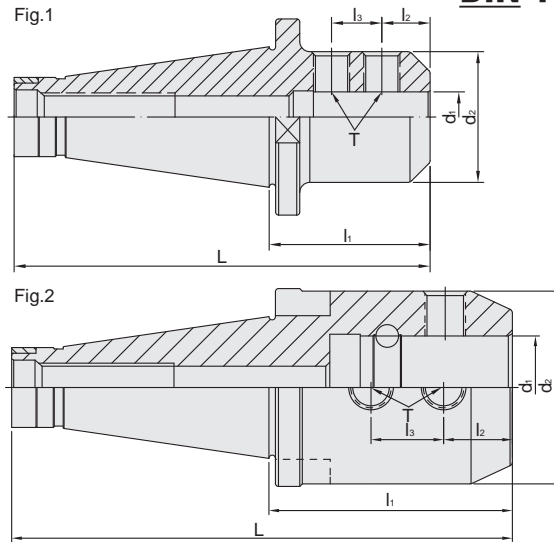
- Hardened & precision ground (I.D & O.D).
- Ronudness: 0.005mm.
- MTA=TANG TYPE=DIN 228-B.
- MTB=DRAW BAR TYPE=DIN 228-A.
- Best selected top quality tools steel fully hardened and ground. Morse taper inside hole and outside shank.
- Please inform DRAW BAR size when making an order.

MODEL NO.	TYPE	l ₁	l ₂	L	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 82900	NT30 x MTA2	55.5	42	123.9	17.78	32	1/2" - 12 or M12 x 1.75P	0.50
SYIC - 82901	NT30 x MTA3	75.6	63	144	23.825	36		0.55
SYIC - 82902	NT40 x MTA2	26.6	11	120	17.78	30	5/8" - 11 or M16 x 2.0P	0.80
SYIC - 82903	NT40 x MTA3	48.6	35	142	23.825	40		0.85
SYIC - 82904	NT40 x MTA4	83.6	69	177	31.267	48		1.25
SYIC - 82905	NT40 x MTA5	171.6	158	265	44.399	63		1.45
SYIC - 82907	NT50 x MTA2	23.2	5.5	150	17.78	32	1" - 8 or M24 x 3.0P	2.80
SYIC - 82908	NT50 x MTA3	33.2	13	160	23.825	40		2.90
SYIC - 82909	NT50 x MTA4	63.2	43	190	31.267	48		3.00
SYIC - 82910	NT50 x MTA5	86.2	66	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	Fig.	WEIGHT (KGS)	
SYIC - 83230	NT30 x SLN6 - 40	108.4	25	18	-	M6 x 1.0P	1	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	1	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	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	1
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	156.4	42	22.5	-	M12 x 1.75P	1	1.00	
SYIC - 83244	NT40 x SLN16 - 63		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	1	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	1	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	1	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	M20 x 2.0P	1	4.40	
SYIC - 83261	NT50 x SLN40 - 120	246.8						4.20	
SYIC - 83259	NT50 x SLN42 - 100	226.8						4.60	
SYIC - 83263	NT50 x SLN50 - 120	246.8	100	35	35	M24 x 2.0P	1	4.80	
SYIC - 83265	NT50 x SLN63 - 120		125	40	40			5.40	
SYIC - 83267	NT50 x SLN50.8 - 120		246.8	95	33.1	28.58		M20 x 2.0P	2
SYIC - 83269	NT50 x SLN50.8 - 120	5.00							



NT / COMBI SHELL END MILL ARBOR

BT

SYIC-83360

NT 聯結式銑刀柄

DIN 6358

CAT

DAT

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NT & MT

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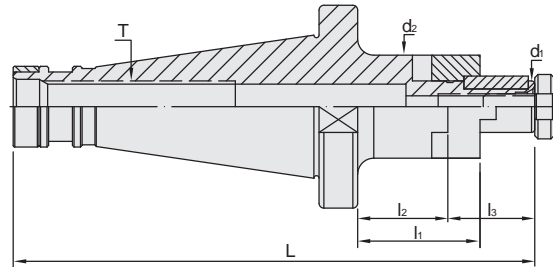
BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.



- Shank includes removable ring, nut and spanner.
- Can purchase removable ring, nut, & spanner separately.
- Please inform the DRAW BAR 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	120	15	27	32	1/2" - 12 or M12 x 1.75P	1.4
SYIC - 83364	NT30 x CSR22 - 25	122	13	31	40		1.6
SYIC - 83366	NT30 x CSR27 - 25	124		33	48		1.8
SYIC - 83372	NT40 x CSR16 - 40	162	30	27	32	5/8" - 11 or M16 x 2.0P	2.2
SYIC - 83374	NT40 x CSR22 - 40	164	28	31	40		2.4
SYIC - 83376	NT40 x CSR27 - 40	166		33	48		2.6
SYIC - 83378	NT40 x CSR32 - 40	169	26	38	58		2.8
SYIC - 83380	NT40 x CSR40 - 40	172		41	70		3.0
SYIC - 83382	NT50 x CSR16 - 40	199	30	27	32	1" - 8 or M24 x 3.0P	4.4
SYIC - 83384	NT50 x CSR22 - 40	201	28	31	40		4.6
SYIC - 83386	NT50 x CSR27 - 40	203		33	48		4.8
SYIC - 83388	NT50 x CSR32 - 40	206	26	38	58		5.0
SYIC - 83390	NT50 x CSR40 - 40	209		41	70		5.2
SYIC - 83392	NT50 x CSR50 - 40	212	24	46	90		5.4

Standard Accessory: • KET • REMOVABLE RING • SPANNER

Option

KEY	REMOVABLE RING	NUT	SPANNER
P.J-31	P.J-31	P.J-31	P.J-31

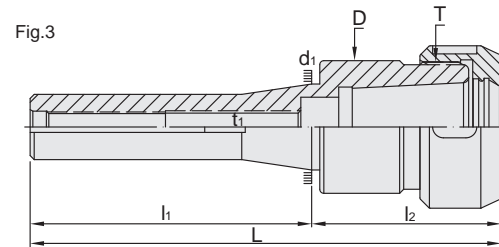
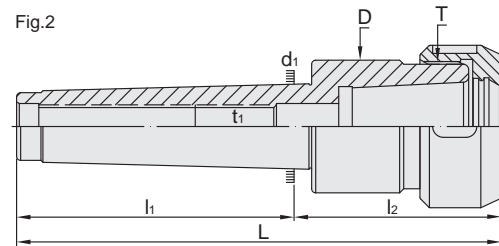
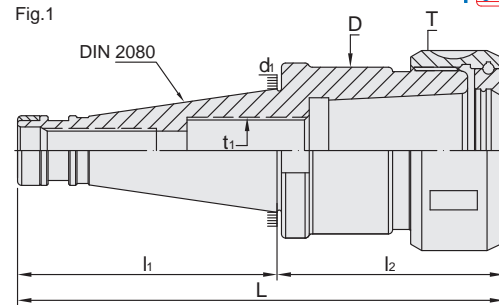
SYIC-83670

EOC 立銑刀夾頭

DIN ISO 10897

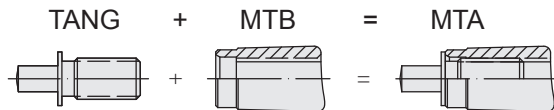


T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



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 grinding.
- ★ Including nut and spanner.
- ★ MTB=Draw Bar Type=DIN 228-A.

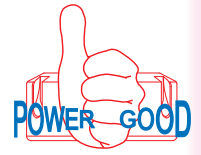
MODEL NO.	TYPE	L	L ₁	L ₂	D	d ₁	t ₁	T	Fig	WEIGHT (KGS)
SYIC - 83672	MTB2 x EOC25	126	64	62	49	17.78	M6 x 1.0P	M48 x 2.0P	2	1.30
SYIC - 83673	MTB3 x EOC25	144	81	63		23.825	M12 x 1.75P			1.40
SYIC - 83674	MTB4 x EOC25	162	102.5	59.5		31.267	M16 x 2.0P			1.55
SYIC - 83675	R8 x EOC25	163	102	61		31.75	M12 x 1.75P		3	1.55
SYIC - 83676	NT30 x EOC25	128.5	68.4	59.6		31.75	M12 x 1.75P		1	1.35
SYIC - 83677	NT40 x EOC25	148	93.4	54.6	63	44.45	M16 x 2.0P	1	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	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	M24 x 2.0P		1	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
P.J-20	P.J-28	P.J-34	P.J-59	P.J-50

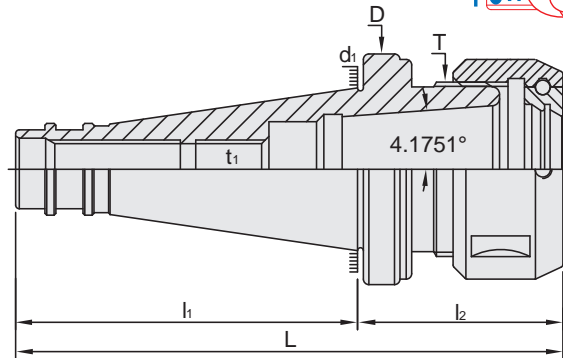
SYIC-84020

TG 立銑刀夾頭



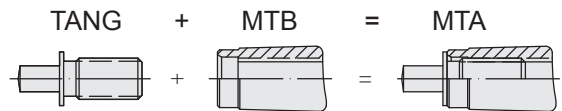
T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731

- Particular square design good for clamping capacity.
- This shank includes clamping NUT and SPANNER, but without COLLET.
- Please inform the DRAW BAR size when making an order.



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	SIZE RANGE	t ₁	T	WEIGHT (KGS)
SYIC - 84024	MTB3 x TG75	136	81	55	40	23.825	3.0 ~ 16	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		31.75		M16 x 2.0P		0.90
SYIC - 84028	NT40 x TG75	148.4	93.4	55	63	44.45	3.0 ~ 25	M16 x 2.0P	1.20	
SYIC - 84033	MTB3 x TG100	144	81	63	49	23.825		M12 x 1.75P	TW 1-7/8" - 12	1.05
SYIC - 84034	MTB4 x TG100	182.5	102.5	80		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	M16 x 2.0P	1.00		
SYIC - 84037	NT40 x TG100	147.2	93.4	53.8	63	44.45	4.0 ~ 38	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	197.5	102.5	95	67	31.267		M16 x 2.0P	TW 2-5/8" - 12	2.90
SYIC - 84045	MTB5 x TG150	223.5	129.5					44.399		3.50
SYIC - 84047	NT40 x TG150	173.4	93.4	80	63	44.45	M24 x 2.0P		2.90	
SYIC - 84049	NT50 x TG150	206.8	126.8						97.5	69.85

Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PRESET SCREW	TANG
P.J-22	P.J-28	P.J-35	P.J-59	P.J-50



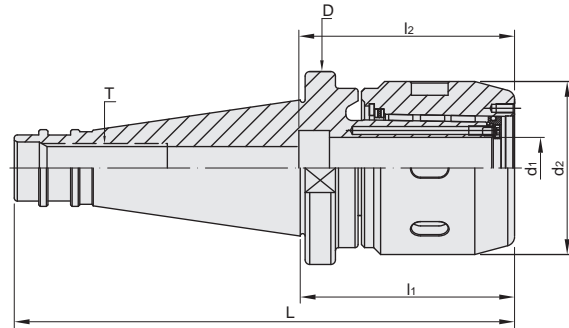
STRAIGHT COLLET MLD MULTI-LOCK MILLING CHUCK

SYIC-85930G

MLD 直式筒夾 銑床夾頭



T W PAT NO. M447277
T W PAT NO. M430337

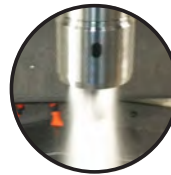


- There is a special design for the slots of internal hole. It prevents the cutting tools from slipping and increases the clamping power.
- The body of the tool holder is thick, so it has good clamping power. It adopts the needle bearing design to prevent the slipping. The operation is convenient and easy.
- After locking the cutting tool (The tolerance of the cutting tool must be less than h6), it is more contacted with the flange while locking the clamping nut and tool holder. It can prevent the bearing cage from deformation easily. Also, rigidity and dust-proof function is improved.

- High stability of the precision and easy for combination. There won't be a situation of vibration during the high speed processing or big cutting depth.
- Good clamping power. The clamping power of MLD32 type is around 1000 N-m.
- Run-out: Within 0.001~0.005mm.
- Concentricity: 0.02mm.
- The pre-balance can reach G6.3 8,000RPM, with an inspection report. The balancing grade and revolution can be done according to customer request but the additional charge is needed.



- Coolant fluid Exhausting from the cutting tool if used with MLD sealed cap.It's good for heat dissipation and discharges the metal chips effectively.



- The design of coolant grooves improves the cooling and metal chips removal capability.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 85930G	NT30 x MLD20 - 70	138.4	63.5	50	20	56.5	1/2" - 12 or M12 x 1.75P	1.9
SYIC - 85932G	NT40 x MLD20 - 70	163.4		52			5/8" - 11 or M16 x 2.0P	2.3
SYIC - 85934G	R8 x MLD20 - 70	174					7/16" - 20	1.9
SYIC - 85938G	MTB5 x MLD32 - 90	218.5	71.8	67	32	71	1" - 8 or M24 x 3.0P	3.8
SYIC - 85940G	NT40 x MLD32 - 85	178.4					5/8" - 11 or M16 x 2.0P	2.6
SYIC - 85942G	NT50 x MLD32 - 90	216.8					1" - 8 or M24 x 3.0P	4.9

Option

COLLET	SCK BORING HEAD SHANK	SEALED CAP	SPANNER	TANG	SET SCREW
P.J-16	P.G-17	P.J-29	P.J-35	P.J-50	P.J-59



86100	ISO / ER COLLET CHUCK	F-2
86800	ISO / SBL SILM-FIT COLLET CHUCK	F-3
86850	ISO / SKS COLLET CHUCK	F-4

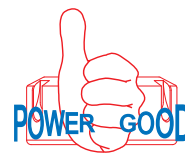
ISO TOOL HOLDER SYSTEM



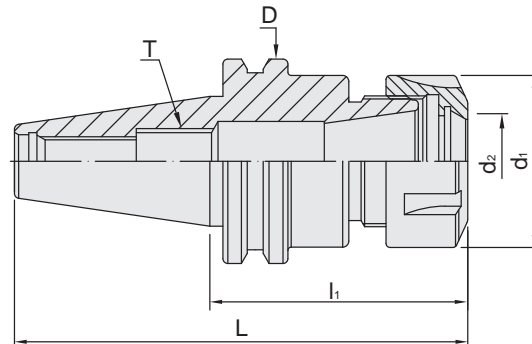
F-1

SYIC-86100

ISO / ER 立銑刀夾頭



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731



- Whole shank body with grinding.
- Balance can be upgraded by customer's request. Please inform the balance grade and revolution before making an order. Additional charge is needed.

MODEL NO.	TYPE - l ₁	L	D	d ₁	ER d ₂	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 86102	ISO20 x ER11A - 52	83.3	33	19	11	1.0 ~ 7	M6 x 1.0P	0.55
SYIC - 86104	ISO20 x ER16A - 52			28	16	1.0 ~ 10	M10 x 1.5P	0.60
SYIC - 86106	ISO20 x ER20A - 52			34	20	1.0 ~ 13	M12 x 1.75P	0.65
SYIC - 86112	ISO25 x ER11A - 52	89.7	37	19	11	1.0 ~ 7.0	M6 x 1.0P	0.60
SYIC - 86114	ISO25 x ER16A - 52			28	16	1.0 ~ 10	M10 x 1.5P	0.65
SYIC - 86116	ISO25 x ER20A - 52			34	20	1.0 ~ 13	M12 x 1.75P	0.70
SYIC - 86122	ISO30 x ER11A - 80	127.8	50	19	11	1.0 ~ 7.0	M6 x 1.0P	0.70
SYIC - 86124	ISO30 x ER16A - 63	110.8		28	16	1.0 ~ 10	M10 x 1.5P	0.80
SYIC - 86126	ISO30 x ER20A - 63			34	20	1.0 ~ 13	M12 x 1.75P	0.85
SYIC - 86128	ISO30 x ER25 - 63			42	25	1.0 ~ 16	M16 x 2.0P	0.90
SYIC - 86130	ISO30 x ER32 - 63			50	32	2.0 ~ 20		0.90
SYIC - 86132	ISO30 x ER40 - 57	104.8		63	40	3.0 ~ 26	0.95	

Standard Accessory: ● STANDARD NUT
 Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-5	P.J-59



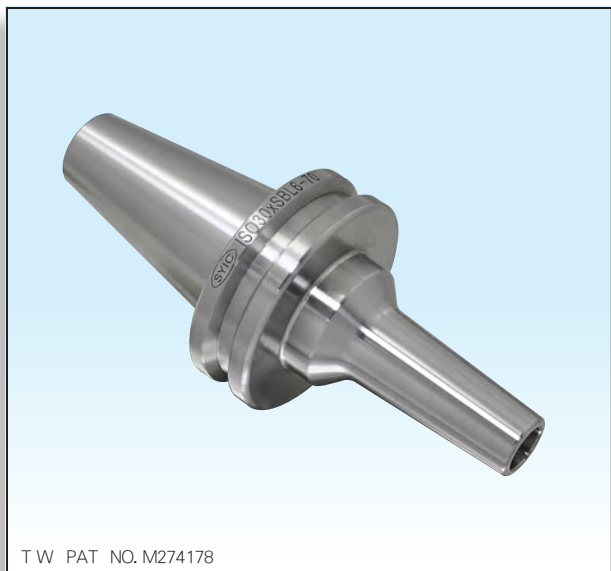
ISO / SBL SILM-FIT COLLET CHUCK FOR W/OUT SLOTS

B
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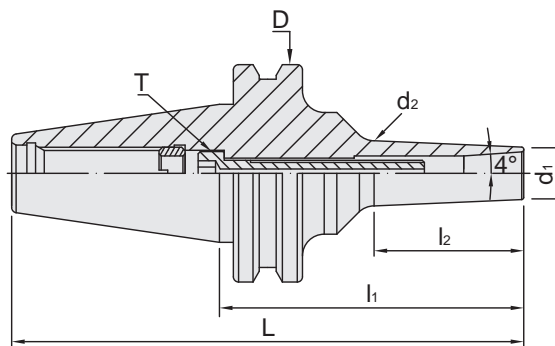
SYIC-86800

ISO / SBL 後拉式立銑刀夾頭

C
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T W PAT NO. M274178



D
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• SCREW TIGHTENING TORQUE

TYPE	T	TORQUE	
		N.m	1bf-ft
SBL6	M6 x 1.0P	12	9
SBL12	M10 x 1.5P	59	43
SBL20	M12 x 1.75P	100	74

- Slim designs avoid interference.
- Chucking in the front part of Collet which hides inside.
- Good design for high speed rotation with good stability because of non-clamping nut.
- 4° taper angle is good for powerful chucking and can stripe easily.
- Standard revolution: G2.5 25000rpm, with an inspection report.
- If the standard revolution is not enough, please inform the needed balance grade and revotion. It's okay to upgrade by customer's request.

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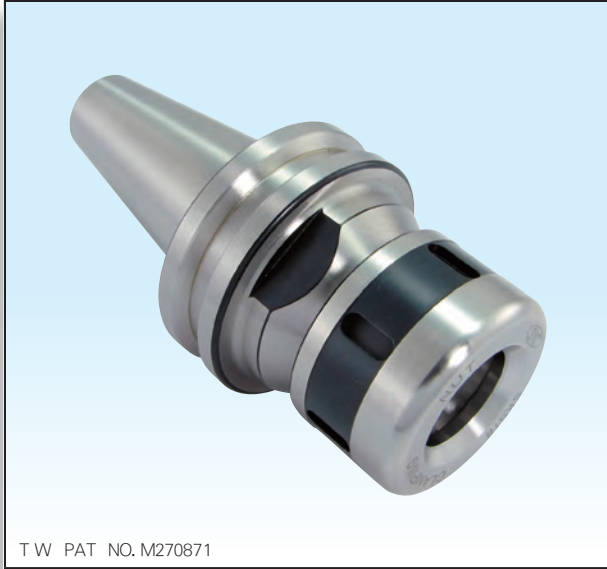
MODEL NO.	TYPE - l ₁	L	l ₂	D	d ₁	d ₂	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 86822	ISO30 x SBL6 - 70	117.8	39	50	14	18	3.0 ~ 6.0	M6 x 1.0P	0.70
SYIC - 86824	ISO30 x SBL12 - 70		46		26	30	3.0 ~ 12	M10 x 1.5P	0.80
SYIC - 86826	ISO30 x SBL20 - 80	127.8	58		35	37	3.0 ~ 20	M12 x 1.75P	0.85

Option

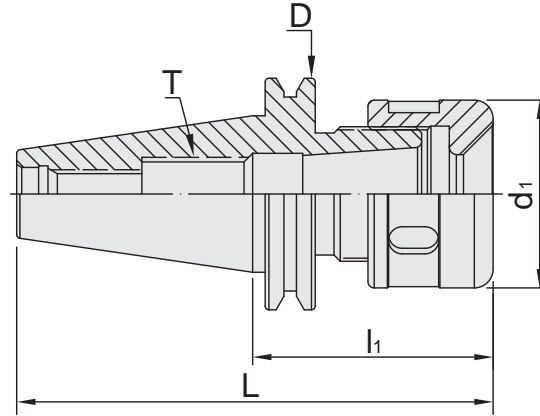
COLLET	SPANNER	PULL STUD
P.J-21	P.J-35	P.J-5

SYIC-86850

ISO / SKS 高速機專用夾頭



T W PAT NO. M270871



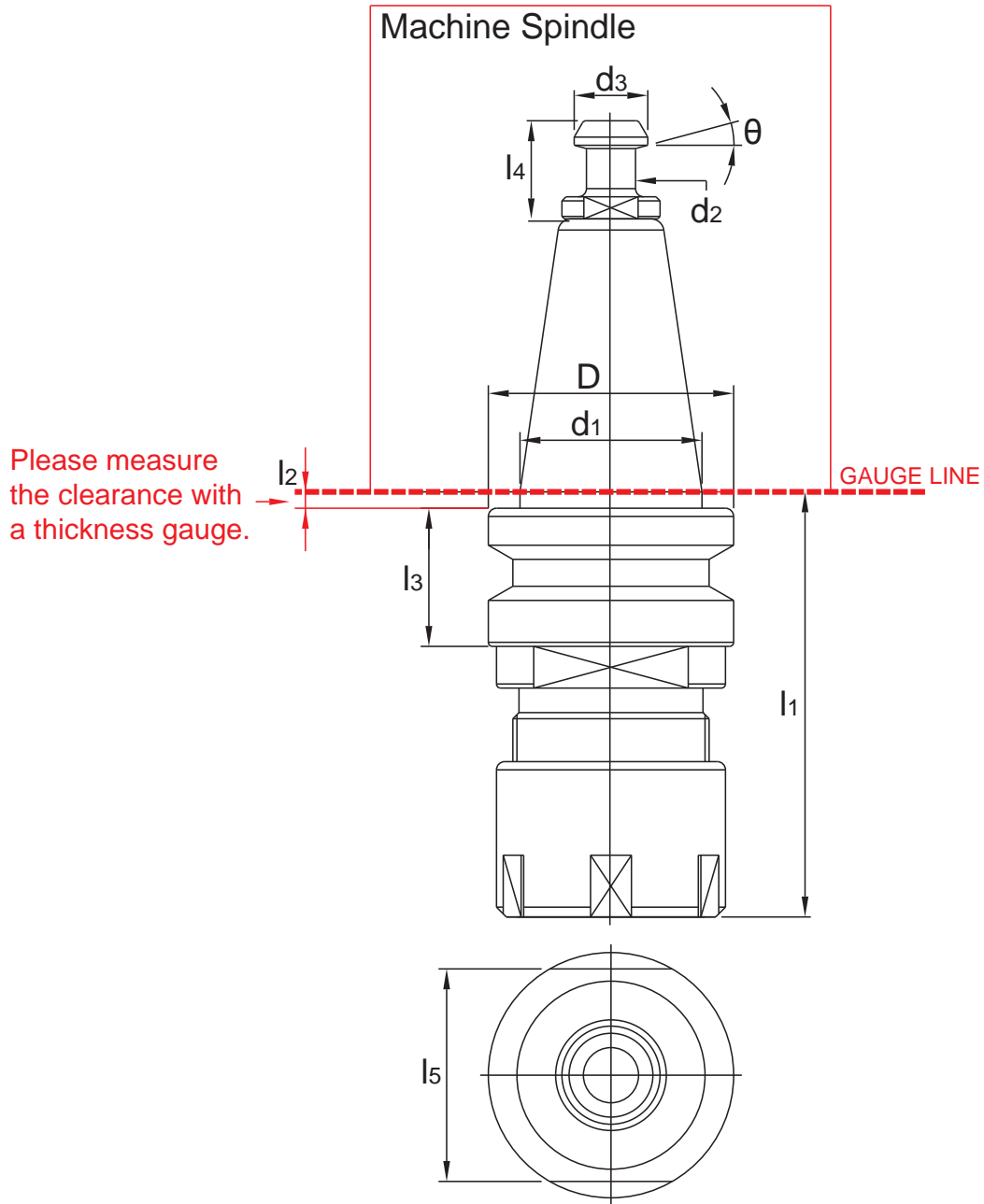
- Whole Shank body with grinding.
- Standard revolution: G2.5 25000rpm, with an inspection report.
- If the standard revolution is not enough, please inform the needed balance grade and revotion. It's okay to upgrade by customer's request.

MODEL NO.	TYPE - l ₁	L	D	d ₁	SIZE RANGE	T	WEIGHT (KGS)
SYIC - 86852	ISO20 x SKS6 - 45	76.3	33	18	3.0 ~ 6.0	M8 x 1.25P	0.55
SYIC - 86854	ISO20 x SKS6 - 60	91.3					0.60
SYIC - 86856	ISO20 x SKS10 - 45	76.3		30	3.0 ~ 10	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	18	3.0 ~ 6.0	M8 x 1.25P	0.60
SYIC - 86864	ISO25 x SKS6 - 60	97.7					0.65
SYIC - 86866	ISO25 x SKS10 - 40	77.7		30	3.0 ~ 10	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	18	3.0 ~ 6.0	M8 x 1.25P	0.65
SYIC - 86874	ISO30 x SKS6 - 60	107.8					0.70
SYIC - 86876	ISO30 x SKS10 - 45	92.8		30	3.0 ~ 10	M12 x 1.75P	0.80
SYIC - 86878	ISO30 x SKS10 - 60	107.8					0.85
SYIC - 86880	ISO30 x SKS16 - 60	107.8					40

Standard Accessory: ● STANDARD NUT
Option

COLLET	NUT	SPANNER	PULL STUD	PRESET SCREW
P.J-24	P.J-27	P.J-35	P.J-5	P.J-59

When ordering the custom-made ISO tool holders, please offer the following dimensions (shown as the drawing) by filling out the form. Thank you!



UNIT:mm

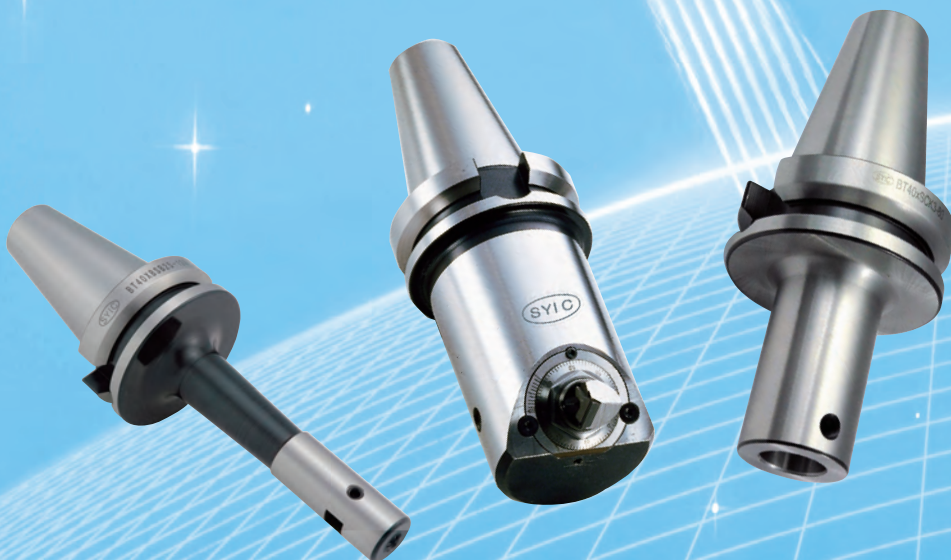
TYPE	D	d ₁	d ₂	d ₃	l ₁	l ₂	l ₃	l ₄	l ₅	θ



BORING

series

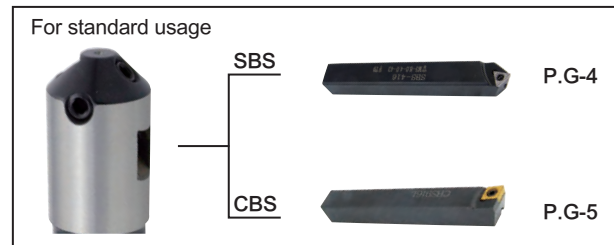
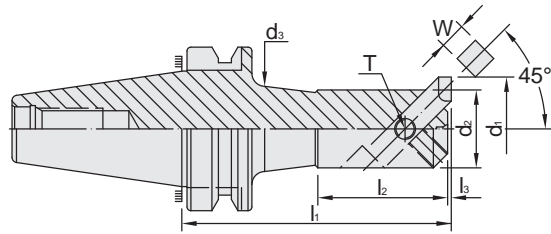
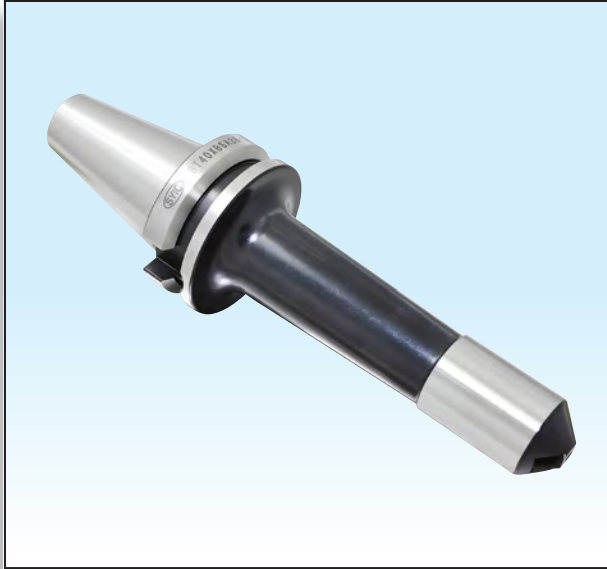
17200	BT SQUARE CUTTER BORING BAR FOR TYPE 45°	G-2
17250	BT SQUARE CUTTER BORING BAR FOR TYPE 90°	G-3
17230	THROW AWAY BORING CUTTER	G-4~G-6
17380	SCK / BYB FINISH BORING HEAD	G-6
17400	MICROMETER ADJUSTABLE BYB BORING HEAD	G-7
17420	MICROMETER ADJUSTABLE BT / BYB BORING HEAD SHANK	G-8
17500	BT / SCK BORING HEAD SHANK	G-10,G-11
17500BG	BT / SCK BORING HEAD SHANK EXTENSION TYPE	G-12
27900	CAT / SCK BORING HEAD SHANK	G-13
47500	DAT / SCK BORING HEAD SHANK	G-14
37600	HSK / SCK BORING HEAD SHANK FOR TYPE A	G-15,G-16
19570	STRAIGHT SHANK SCK BORING HEAD SHANK	G-17
17550	EXTENSION SPACER	G-18
17600	ROUGHING TWIN ADJUSTMENT BORING HEAD	G-19
19500	SUPER MICRON EXCHANGEABLE FINISH BORING HEAD	G-20
17680	BT BORING HEAD SHANK	G-22
45200	DAT BORING HEAD SHANK	G-23
82600	PRECISION BORING HEAD SHANK	G-24
19530	SRW ROUGHING BORING HEAD FOR OVER 150mm SERIES MANUFACTURING DIAMETER: φ 150mm ~ φ 830mm	G-25
19560	SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD FOR OVER 150mm SERIES MANUFACTURING DIAMETER: φ 150mm ~ φ 830mm	G-26
82704	NBH BORING HEAD	G-27
19520	SBJ BORING HEAD FOR FINISHING	G-27
158.684	SBE EXTENDED BORING INSERT SEAT	G-28
82790	SLEEVE FOR TUNGSTEN STEEL TOOL HOLDERS	G-29
82710	ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER	G-29
82730	THROW-AWAY BORING HEAD	G-30
82370	INTERCHANGEABLE BORING CUTTER	G-31
82300	INTERCHANGEABLE TUNGSTEN STEEL BORING CUTTER	G-32
17690	PRECISION BT BORING HEAD SHANK SET	G-33
45100	PRECISION DAT BORING HEAD SHANK SET	G-33
82550	PRECISION BORING HEAD SET	G-34
17670	PRECISION BORING HEAD FULL SET	G-35



G-1

SYIC-17200

45° 粗搪孔刀柄



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

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

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

Option

PULL STUD



P.J-2



BT SQUARE CUTTER BORING BAR

TYPE : 90°

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

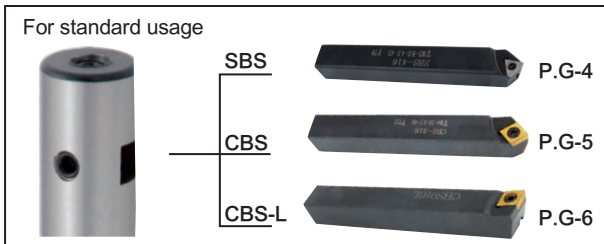
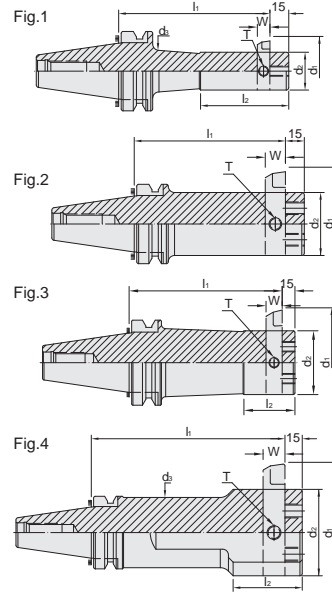
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-17250

90° 粗搪孔刀柄



- Suitable for BSA, BSB roughing boring head shank & ABH fine boring head shank.
- Please inform the material of inserts when ordering.
- SBS is fit for fine & medium processing.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

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

Option

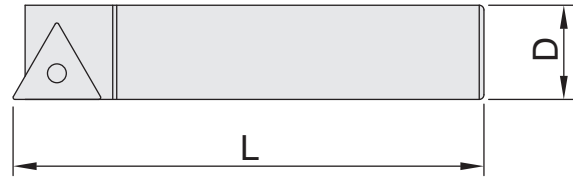
PULL STUD



P.J-2

SYIC-17230

SBS 捨棄式搪孔刀



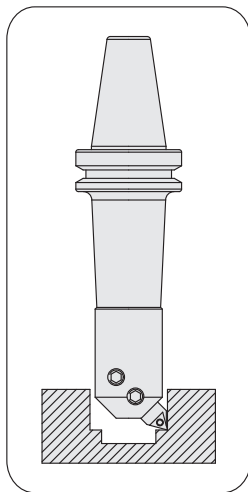
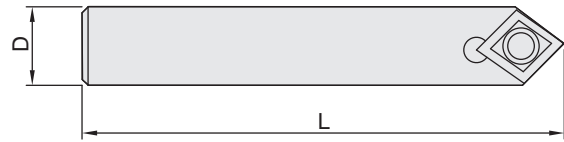
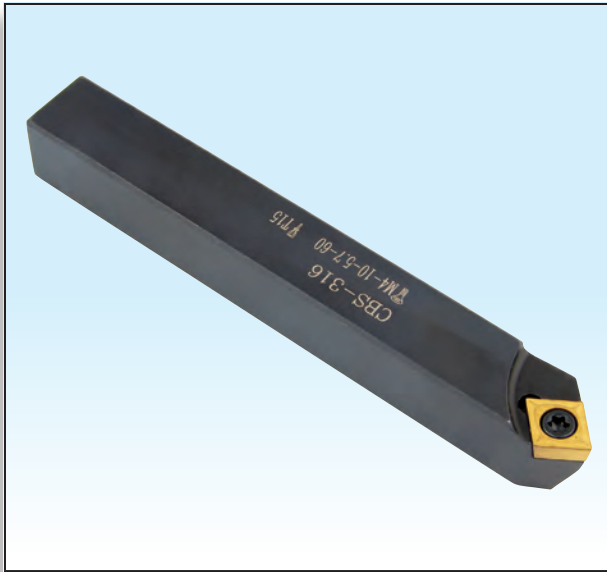
- Suitable for BSA, BSB Rough Boring Bar and ABH fine boring head shank.

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

SUITABLE: ISO INSERTS

SYIC-17300

CBS 捨棄式搪孔刀



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

MODEL NO.	TYPE	D	L	ANGLE	SUITABLE INSERTS	SCREW	WRENCH
SYIC - 17301	CBS - 308	8	55	30°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17302	CBS - 310	10	65				
SYIC - 17303	CBS - 313	13	80				
SYIC - 17304	CBS - 316	16	120				
SYIC - 17305	CBS - 319	19	140				
SYIC - 17306	CBS - 408	8	55	45°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17307	CBS - 410	10	65				
SYIC - 17308	CBS - 413	13	80				
SYIC - 17309	CBS - 416	16	120				
SYIC - 17310	CBS - 419	19	140				
SYIC - 17311	CBS - 908	8	55	90°	CCMT0602	M4-10-5.7-60	T9
SYIC - 17312	CBS - 910	10	65				
SYIC - 17313	CBS - 913	13	80				
SYIC - 17314	CBS - 916	16	120				
SYIC - 17315	CBS - 919	19	140				

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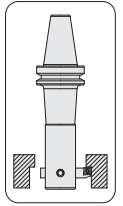
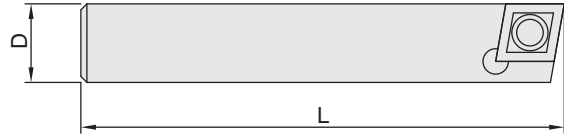
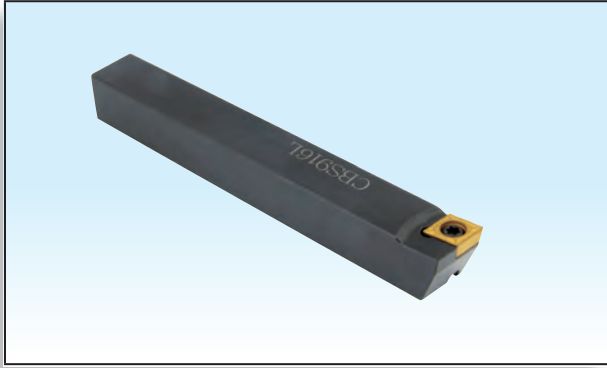
THROW AWAY BORING CUTTER

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SYIC-17315

CBS 捨棄式搪孔刀

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MODEL NO.	TYPE	D	L	ANGLE	SUITABLE INSERTS	SCREW	WRENCH
SYIC - 17316	CBS908L	8	55	90°	CCMT0602	M2.5-6.0-3.5-60	T9
SYIC - 17317	CBS910L	10	65				
SYIC - 17318	CBS913L	13	80		CCMT09T3	M4-10-5.7-60	T15
SYIC - 17319	CBS916L	16	120				
SYIC - 17320	CBS919L	19	140				

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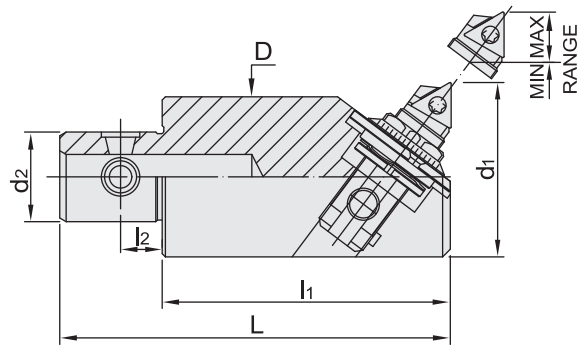


SCK / BYB FINISH BORING HEAD

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SYIC-17380

SCK / BYB 微切削搪刀柄



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

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

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MICROMETER ADJUSTABLE BYB BORING HEAD

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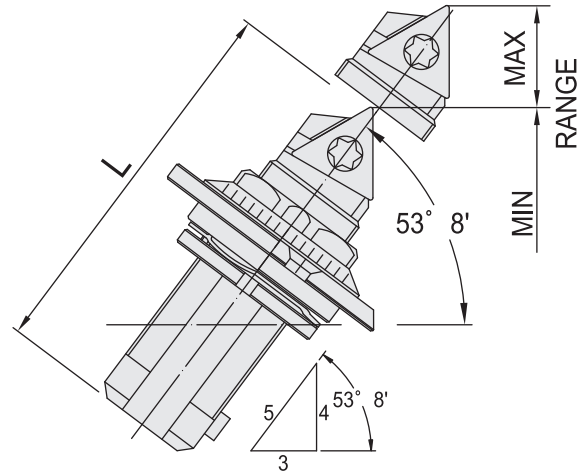
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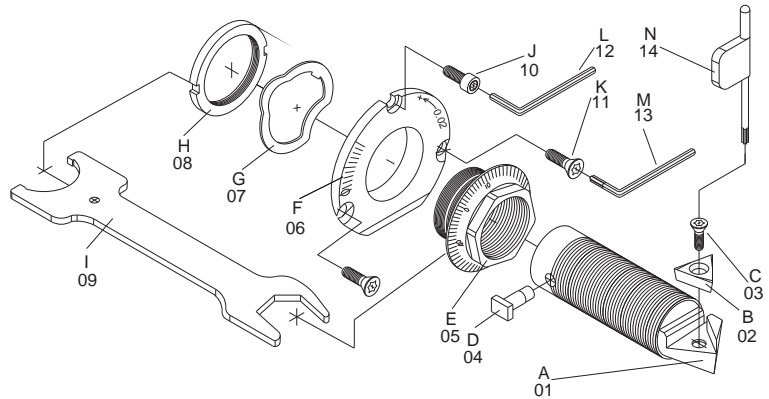
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SYIC-17400

BYB 微切削搪孔頭



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



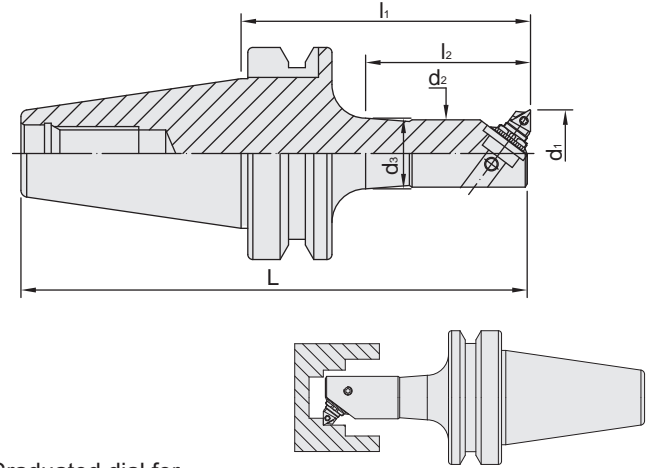
NO.	NAME OF EACH PART
01	Shank
02	Insert
03	Insert Screw
04	Key
05	Hexagon Adjust Nut
06	Indicator Dish
07	Plane Spring
08	Nut
09	Wrench
10	Set Screw
11	Star Screw
12	Hexagon Wrench
13	Star Wrench
14	Insert Wrench

TYPE	I09	J10	L12	K11	M13	C03	N14
	I09	J10	L12	K11	M13	C03	N14
M2 - 19	W2	M2.3 x 0.4P	L1.5	-	-	M2	T6
M2 - 22	W2	M2.3 x 0.4P	L1.5	-	-	M2	T6
M3 - 29	W3	M2.6 x 0.45P	L2	-	-	M2.5	T9
M5 - 38	W5	M3 x 0.5P	L2.5	-	-	M2.5	T9
M5 - 48	W5	-	-	M3 x 0.5P	L2	M2.5	T9
M7 - 62	W7	M3 x 0.5P	-	M4 x 0.7P	L2.5	M4	T15

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

SYIC-17420

BT / BYB 微切削搪孔刀柄



- Graduated dial for micro-adjustment in 0.02mm increments.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

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

Option

PULL STUD	BYB BORING HEAD
 P.J-2	 P.G-7

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



SYIC-17500
BODY



SYIC-27900
BODY



SYIC-47500
BODY



SYIC-37600
BODY



BODY



SYIC-17550
EXTENSION SPACER



SYIC-17380
FINISH BORING
HEAD



SYIC-17600
ROUGHING TWIN
ADJUSTMENT
BORING HEAD

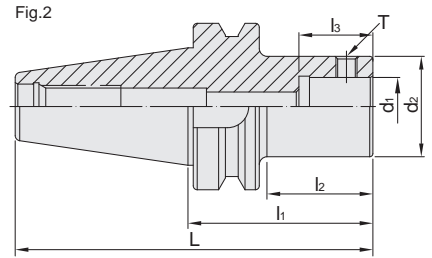
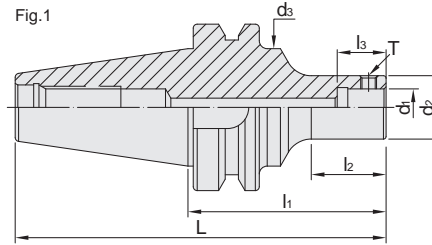


SYIC-19500
SUPER MICRON
EXCHANGEABLE
FINISH BORING
HEAD

- **Modular design.**
- **Convenient for usage.**
- **Can use Extension Spacer for adding length.**

SYIC-17500

BT / SCK 粗/精 搪孔刀柄



- Extension spacers are applicable, more convenient for boring.
- Internal tolerance is H6.
- For center coolant (DIN 69871-AD).
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	d ₃	Fig	T	WEIGHT (KGS)		
SYIC - 17530	BT30 x SCK1 - 55	103.4	28	18	11	19	-	2	M4 x 0.7P	0.70		
SYIC - 17532	BT30 x SCK2 - 60	108.4	33	18.5	14	23.5			M5 x 0.8P	0.80		
SYIC - 17533	BT30 x SCK2 - 75	123.4	48						M6 x 1.0P	0.90		
SYIC - 17534	BT30 x SCK3 - 50	98.4	26	24	18	31			M8 x 1.25P	1.00		
SYIC - 17536	BT30 x SCK4 - 60	108.4	37	22	22	39			M10 x 1.5P	1.10		
SYIC - 17537	BT30 x SCK4 - 70	118.4	47	29	28	50			M12 x 1.75P	1.20		
SYIC - 17538	BT30 x SCK5 - 70	118.4	47	35	28	50						
SYIC - 17540	BT30 x SCK6 - 60	108.4	38	42	36	63						
SYIC - 17501	BT40 x SCK1 - 100	165.4	51	18	11	19			44.45	1	M4 x 0.7P	1.20
SYIC - 17501 - 115	BT40 x SCK1 - 115	180.4	66								M5 x 0.8P	1.30
SYIC - 17502	BT40 x SCK2 - 75	140.4	28	18.5	14	23.5	-	2	M6 x 1.0P	1.14		
SYIC - 17503	BT40 x SCK3 - 80	145.4	48	24	18	31			M8 x 1.25P	1.22		
SYIC - 17504	BT40 x SCK4 - 70	135.4	40	28	22	39			M10 x 1.5P	1.50		
SYIC - 17505	BT40 x SCK4 - 100	165.4	70						M12 x 1.75P	1.56		
SYIC - 17506	BT40 x SCK5 - 60	125.4	30	35	28	50			M10 x 1.5P	1.30		
SYIC - 17507	BT40 x SCK5 - 80	145.4	51						M12 x 1.75P	1.60		
SYIC - 17508	BT40 x SCK6 - 55	120.4	33						42	36	63	

Option

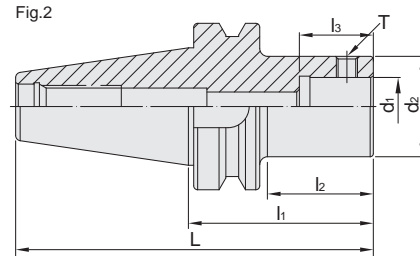
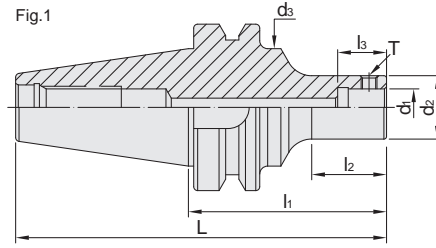
EXTENSION SPACER	SCK	SMB	SBJ	PULL STUD
P.G-18	P.G-19	P.G-20	P.G-27	P.J-2



BT / SCK BORING HEAD SHANK

SYIC-17500

BT / SCK 粗/精 搪孔刀柄



- Extension spacers are applicable, more convenient for boring.
- Internal tolerance is H6.
- For center coolant (DIN 69871-AD).
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

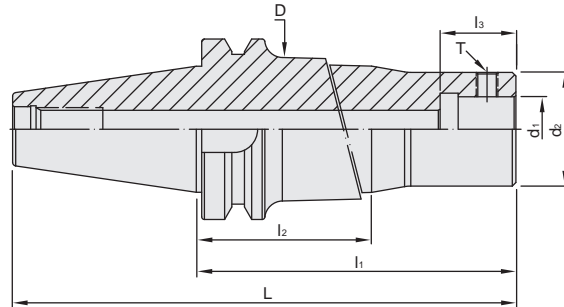
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	d ₃	Fig	T	WEIGHT (KGS)
SYIC - 17509	BT50 x SCK1 - 105	206.8	38	18	11	19	69.85	1	M4 x 0.7P	3.90
SYIC - 17510	BT50 x SCK2 - 105		39	18.5	14	23.5			M5 x 0.8P	4.00
SYIC - 17510 - 135	BT50 x SCK2 - 135	236.8	67						M5 x 0.8P	4.10
SYIC - 17511	BT50 x SCK3 - 110	211.8	62	24	18	31	-	2	M6 x 1.0P	4.40
SYIC - 17512	BT50 x SCK3 - 140	241.8	92						M6 x 1.0P	4.60
SYIC - 17513	BT50 x SCK4 - 100	201.8	52	28	22	39			M8 x 1.25P	4.80
SYIC - 17514	BT50 x SCK4 - 160	261.8	112						M8 x 1.25P	5.20
SYIC - 17515	BT50 x SCK5 - 90	191.8	42	35	28	50			M10 x 1.5P	5.40
SYIC - 17516	BT50 x SCK5 - 165	266.8	117							6.20
SYIC - 17517	BT50 x SCK5 - 210	311.8	162				6.40			
SYIC - 17518	BT50 x SCK6 - 85	186.8	37	42	36	63	M12 x 1.75P	5.90		
SYIC - 17519	BT50 x SCK6 - 155	256.8	107					6.50		
SYIC - 17520	BT50 x SCK6 - 215	316.8	167					6.90		
SYIC - 17522 - 93	BT50 x SCK7 - 93	194.8	52	52	46	90	M20x1.5P	5.00		
SYIC - 17522 - 183	BT50 x SCK7 - 183	284.8	142					9.40		
SYIC - 17522 - 243	BT50 x SCK7 - 243	344.8	202					6.90		

Option

EXTENSION SPACER	SCK	SMB	SRW	SMB ROUGHING BORING HEAD	SBJ	PULL STUD
P.G-18	P.G-19	P.G-20	P.G-25	P.G-26	P.G-27	P.J-2

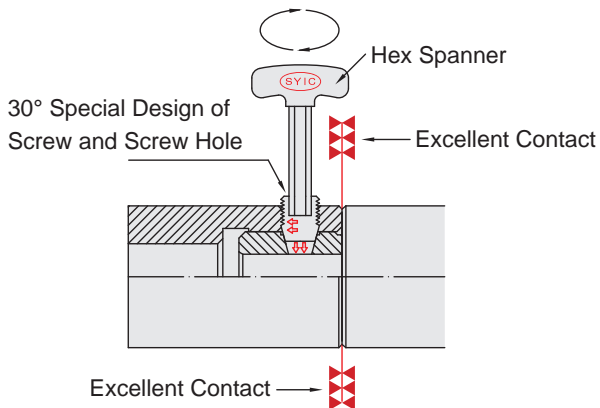
SYIC-17500BG

BT / SCK 搪孔刀桿 (加長斜度柄)



Assembly Principle of SCK Boring Head Shank

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



- It's easy to fasten SCK boring head and shank with a hex spanner.
- 30° special design of screw and screw hole facilitates good repeated positioning accuracy. When fastening the screw, SCK boring head and SCK boring shank have excellent contact. The rigidity is improved a lot!

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 17520 - 240BG	BT50 x SCK6 - 240BG	421.8	320	240	42	80	36	63	M12 x 1.75P	12.18
SYIC - 17521 - 240BG	BT50 x SCK6 - 240BG					100				16.26
SYIC - 17520 - 300BG	BT50 x SCK6 - 300BG	481.8	380	300		80				14.05
SYIC - 17521 - 300BG	BT50 x SCK6 - 300BG					100				19.37
SYIC - 17520 - 360BG	BT50 x SCK6 - 360BG	541.8	440	360		80				15.94
SYIC - 17521 - 360BG	BT50 x SCK6 - 360BG					100				22.46

Option

EXTENSION SPACER	SCK	SMB	SBJ	PULL STUD
P.G-18	P.G-19	P.G-20	P.G-27	P.J-2



CAT / SCK BORING HEAD SHANK

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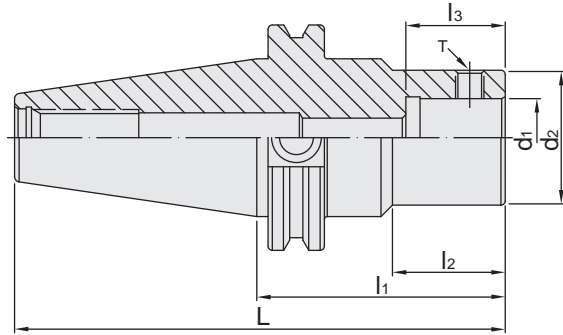
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SYIC-27900

CAT / SCK 粗/精 搪孔刀柄



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

INCHES

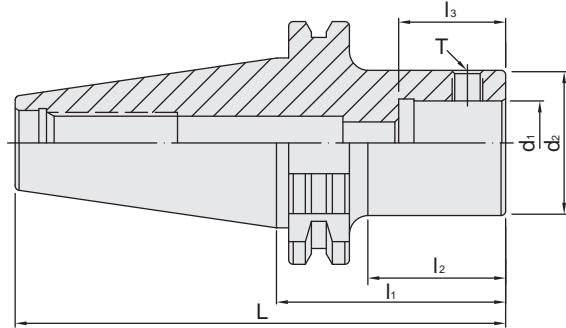
MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 27910	CAT40 x SCK1 - 3"	5.687	1.105	0.59	0.433	0.748	M4 x 0.7P	1.20
SYIC - 27912	CAT40 x SCK1 - 3.75"	6.437	1.856					1.25
SYIC - 27914	CAT40 x SCK2 - 3"	5.687	1.390	0.728	0.551	0.925	M5 x 0.8P	1.30
SYIC - 27916	CAT40 x SCK2 - 4.35"	7.037	2.656					1.35
SYIC - 27918	CAT40 x SCK3 - 3"	5.687	1.356	0.866	0.709	1.22	M6 x 1.0P	1.40
SYIC - 27920	CAT40 x SCK3 - 5"	7.687	3.36					1.45
SYIC - 27922	CAT40 x SCK4 - 3"	5.687	1.515	1.102	0.866	1.535	M8 x 1.25P	1.50
SYIC - 27924	CAT40 x SCK4 - 4.25"	6.937	2.765					1.55
SYIC - 27926	CAT40 x SCK5 - 3"	5.687	2.219	1.181	1.102	1.969	M10 x 1.5P	1.60
SYIC - 27928	CAT40 x SCK5 - 4.25"	6.937	3.469					1.65
SYIC - 27930	CAT40 x SCK6 - 3"	5.687	2.219	1.653	1.417	2.48	M12 x 1.75P	1.70
SYIC - 27932	CAT40 x SCK6 - 4.25"	6.937	3.469					1.75
SYIC - 27934	CAT50 x SCK1 - 3.5"	7.5	1.317	0.59	0.433	0.748	M4 x 0.7P	3.30
SYIC - 27936	CAT50 x SCK1 - 4"	8	1.817					3.35
SYIC - 27938	CAT50 x SCK2 - 3.5"	7.5	1.368	0.728	0.551	0.925	M5 x 0.8P	3.40
SYIC - 27940	CAT50 x SCK2 - 5.3"	9.3	3.167					3.45
SYIC - 27942	CAT50 x SCK3 - 3.5"	7.5	1.453	0.866	0.709	1.22	M6 x 1.0P	3.50
SYIC - 27944	CAT50 x SCK3 - 5.5"	9.5	3.453					3.55
SYIC - 27946	CAT50 x SCK4 - 3.5"	7.5	1.544	0.945	0.866	1.535	M8 x 1.25P	3.60
SYIC - 27948	CAT50 x SCK4 - 5.5"	9.5	3.544					3.65
SYIC - 27950	CAT50 x SCK5 - 3.5"	7.5	1.669	1.181	1.102	1.969	M10 x 1.5P	3.70
SYIC - 27952	CAT50 x SCK5 - 5.5"	9.5	3.669					3.75
SYIC - 27954	CAT50 x SCK6 - 3.5"	7.5	1.988	1.653	1.417	2.48	M12 x 1.75P	3.80
SYIC - 27956	CAT50 x SCK6 - 5.5"	9.5	3.987					3.85
SYIC - 27958	CAT50 x SCK7 - 3.74"	7.74	2.362	2.047	1.811	3.54	M20 x 1.5P	5.00

Option

EXTENSION SPACER	SCK	SMB	SRW	SMB ROUGHING BORING HEAD	SBJ	PULL STUD
P.G-18	P.G-19	P.G-20	P.G-25	P.G-26	P.G-27	P.J-3

SYIC-47500

DAT / SCK 粗/精 搪孔刀柄



- Internal hole tolerance: H6.
- For center coolant (DIN 69871-AD).
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE - l_1	L	l_2	l_3	d_1	d_2	T	WEIGHT (KGS)
SYIC - 47502	DAT30 x SCK1 - 50	97.8	27.9	15	11	19	M4 x 0.7P	0.60
SYIC - 47504	DAT30 x SCK2 - 65	112.8	42.9	18.5	14	23.5	M5 x 0.8P	0.70
SYIC - 47506	DAT30 x SCK3 - 50	97.8	27.9	22	18	31	M6 x 1.0P	0.80
SYIC - 47508	DAT30 x SCK4 - 50	97.8	27.9	28	22	39	M8 x 1.25P	1.30
SYIC - 47510	DAT40 x SCK1 - 80	148.4	50.9	18	11	19	M4 x 0.7P	1.00
SYIC - 47512	DAT40 x SCK1 - 95	163.4	65.9					1.05
SYIC - 47514	DAT40 x SCK2 - 80	148.4	50.9	18.5	14	23.5	M5 x 0.8P	1.10
SYIC - 47516	DAT40 x SCK2 - 110	178.4	80.9					1.15
SYIC - 47518	DAT40 x SCK3 - 90	158.4	65.9	24	18	31	M6 x 1.0P	1.20
SYIC - 47520	DAT40 x SCK3 - 125	193.4	100.9					1.25
SYIC - 47522	DAT40 x SCK4 - 80	148.4	55.9	28	22	39	M8 x 1.25P	1.30
SYIC - 47524	DAT40 x SCK4 - 110	178.4	85.9					1.35
SYIC - 47526	DAT40 x SCK5 - 95	163.4	75.4	35	28	50	M10 x 1.5P	1.40
SYIC - 47528	DAT40 x SCK5 - 110	178.4	90.4					1.45
SYIC - 47530	DAT40 x SCK6 - 65	133.4	45.4	42	36	63	M12 x 1.75P	1.50
SYIC - 47532	DAT40 x SCK6 - 95	163.4	75.4					1.55
SYIC - 47534	DAT50 x SCK1 - 110	211.75	80.9	18	11	19	M4 x 0.7P	3.10
SYIC - 47536	DAT50 x SCK1 - 125	226.75	95.9					3.15
SYIC - 47538	DAT50 x SCK2 - 95	196.75	65.9	18.5	14	23.5	M5 x 0.8P	3.20
SYIC - 47540	DAT50 x SCK2 - 125	226.75	95.9					3.25
SYIC - 47542	DAT50 x SCK3 - 125	226.75	95.9	24	18	31	M6 x 1.0P	3.30
SYIC - 47544	DAT50 x SCK3 - 155	256.75	125.9					3.35
SYIC - 47546	DAT50 x SCK4 - 110	211.75	80.9	28	22	39	M8 x 1.25P	3.40
SYIC - 47548	DAT50 x SCK4 - 125	226.75	95.9					3.45
SYIC - 47550	DAT50 x SCK5 - 65	166.75	35.9	35	28	50	M10 x 1.5P	3.50
SYIC - 47552	DAT50 x SCK5 - 140	241.75	110.9					3.55
SYIC - 47554	DAT50 x SCK6 - 140	241.75	110.9	42	36	63	M12 x 1.75P	3.60
SYIC - 47556	DAT50 x SCK6 - 170	271.75	140.9					3.65
SYIC - 47558	DAT50 x SCK7 - 95	196.75	60	52	46	90	M20 x 2.0P	5.00

Option

EXTENSION SPACER	SCK	SMB	SRW	SMB ROUGHING BORING HEAD	SBJ	PULL STUD
P.G-18	P.G-19	P.G-20	P.G-25	P.G-26	P.G-27	P.J-4



HSK / SCK BORING HEAD SHANK FOR TYPE A

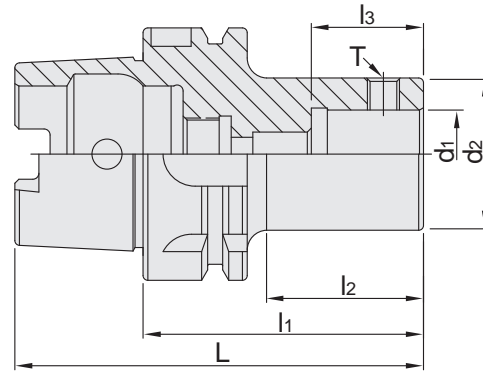
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SYIC-37600

HSK / SCK 粗/精 搪孔刀柄

DIN 69893 - 1

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- Tolerance of internal hole: H6.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

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MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 37620	HSK40A x SCK1 - 50	70	27	15	11	19	M4 x 0.7P	0.60
SYIC - 37622	HSK40A x SCK2 - 60	80	37	18.5	14	23.5	M5 x 0.8P	0.70
SYIC - 37624	HSK40A x SCK3 - 60		38	22	18	31	M6 x 1.0P	0.80
SYIC - 37630	HSK50A x SCK1 - 60	85	31	15	11	19	M4 x 0.7P	1.00
SYIC - 37632	HSK50A x SCK2 - 60			18.5	14	23.5	M5 x 0.8P	1.10
SYIC - 37634	HSK50A x SCK3 - 60		32	22	18	31	M6 x 1.0P	1.20
SYIC - 37636	HSK50A x SCK4 - 60			24	22	39	M8 x 1.25P	1.30
SYIC - 37638	HSK50A x SCK5 - 80	105	53	30	28	50	M10 x 1.5P	1.40
SYIC - 37640	HSK50A x SCK6 - 80			40	36	63	M12 x 1.75P	1.50
SYIC - 37642	HSK63A x SCK1 - 80	112	49	15	11	19	M4 x 0.7P	1.20
SYIC - 37644	HSK63A x SCK1 - 95	127	64					1.25
SYIC - 37646	HSK63A x SCK2 - 80	112	44	18.5	14	23.5	M5 x 0.8P	1.30
SYIC - 37648	HSK63A x SCK2 - 110	142	79					1.35
SYIC - 37650	HSK63A x SCK3 - 90	122	59	24	18	31	M6 x 1.0P	1.40
SYIC - 37652	HSK63A x SCK3 - 125	157	94					1.45
SYIC - 37654	HSK63A x SCK4 - 80	112	49	28	22	39	M8 x 1.25P	1.50
SYIC - 37656	HSK63A x SCK4 - 110	142	79					1.55
SYIC - 37658	HSK63A x SCK5 - 95	127	67.5	35	28	50	M10 x 1.5P	1.60
SYIC - 37660	HSK63A x SCK5 - 110	142	82.5					1.65
SYIC - 37662	HSK63A x SCK6 - 70	102	43.5	42	36	63	M12 x 1.75P	1.70
SYIC - 37664	HSK63A x SCK6 - 95	127	68.5					1.75

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Option

EXTENSION SPACER	SCK	SMB	SBJ	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P.G-18	P.G-19	P.G-20	P.G-27	P.J-30	P.J-30

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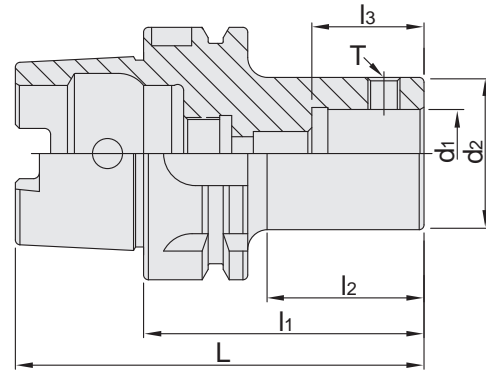


HSK / SCK BORING HEAD SHANK FOR TYPE A

SYIC-37600

HSK / SCK 粗/精 搪孔刀柄

DIN 69893 - 1



- Tolerance of internal hole: H6.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

MODEL NO.	TYPE - l ₁	L	l ₂	l ₃	d ₁	d ₂	T	WEIGHT (KGS)
SYIC - 37686 - 100	HSK100A x SCK1 - 100	150	61	18	11	19	M4 x 0.7P	2.07
SYIC - 37688	HSK100A x SCK2 - 75	125	36	18.5	14	23.5	M5 x 0.8P	2.09
SYIC - 37688 - 115	HSK100A x SCK2 - 115	165	76					2.18
SYIC - 37690	HSK100A x SCK3 - 60	110	21	24	18	31	M6 x 1.0P	2.15
SYIC - 37690 - 125	HSK100A x SCK3 - 125	175	86					2.47
SYIC - 37692	HSK100A x SCK4 - 70	120	31	28	22	39	M8 x 1.25P	2.34
SYIC - 37692 - 120	HSK100A x SCK4 - 120	170	86					2.76
SYIC - 37694	HSK100A x SCK5 - 70	120	31	35	28	50	M10 x 1.5P	2.60
SYIC - 37694 - 110	HSK100A x SCK5 - 110	160	76					3.17
SYIC - 37696	HSK100A x SCK6 - 75	125	41	42	36	63	M12 x 1.75P	3.02
SYIC - 37696 - 100	HSK100A x SCK6 - 100	150	66					3.60
SYIC - 37698	HSK100A x SCK7 - 123	173	93	52	46	90	M20 x 1.5P	4.00
SYIC - 37698 - 273	HSK100A x SCK7 - 273	323	228					5.00

Option

EXTENSION SPACER	SCK	SMB	SRW	SMB ROUGHING BORING HEAD	SBJ	COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT
P.G-18	P.G-19	P.G-20	P.G-25	P.G-26	P.G-27	P.J-30	P.J-30



STRAIGHT SHANK SCK BORING HEAD SHANK

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

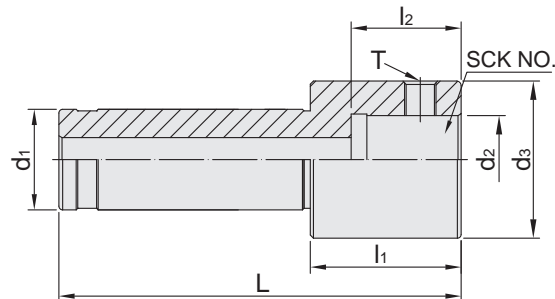
ACCESSORIES

KIT

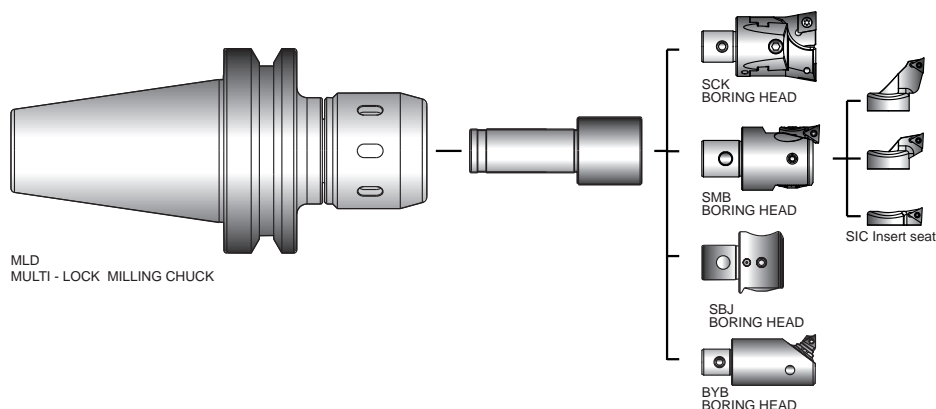
TECHNICAL INFO.

SYIC-09570

直柄 SCK 搪孔夾頭柄



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



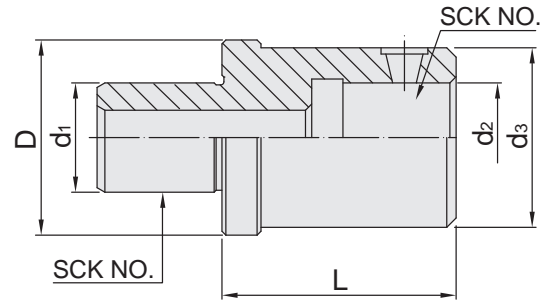
MODEL NO.	TYPE - l ₁	SCK NO.	L	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 09572	C32 x SCK1 - 77	SCK1	157	18	32	11	19	M4 x 0.7P	0.7
SYIC - 09574	C32 x SCK2 - 72.5	SCK2	152.5	18.5		14	24	M5 x 0.8P	0.7
SYIC - 09576	C32 x SCK3 - 69	SCK3	149	24		18	31	M6 x 1.0P	0.8
SYIC - 09578	C32 x SCK4 - 58	SCK4	138	28		22	39	M8 x 1.25P	0.9
SYIC - 09580	C32 x SCK5 - 48	SCK5	128	35		28	50	M10 x 1.5P	0.9
SYIC - 09582	C32 x SCK6 - 59	SCK6	139	42		36	63	M12 x 1.75P	1.5
SYIC - 09586	C42 x SCK1 - 77	SCK1	157	18	42	11	19	M4 x 0.7P	1.0
SYIC - 09588	C42 x SCK2 - 72.5	SCK2	152.5	18.5		14	24	M5 x 0.8P	1.0
SYIC - 09590	C42 x SCK3 - 69	SCK3	149	24		18	31	M6 x 1.0P	1.1
SYIC - 09592	C42 x SCK4 - 58	SCK4	138	28		22	39	M8 x 1.25P	1.2
SYIC - 09594	C42 x SCK5 - 48	SCK5	128	35		28	50	M10 x 1.5P	1.3
SYIC - 09596	C42 x SCK6 - 59	SCK6	139	42		36	63	M12 x 1.75P	1.8

Option

EXTENSION SPACER	SCK	SMB	SBJ	BYB
P.G-18	P.G-19	P.G-20	P.G-27	P.G-6

SYIC-17550

搪孔頭延長桿



MODEL NO.	TYPE	L	D	d ₁	d ₂	d ₃	WEIGHT (KGS)
SYIC - 17552	SCK2 - 2 - 30	30	-	14	14	24	0.30
SYIC - 17554	SCK3 - 2 - 37	37	31	18	14	24	0.34
SYIC - 17556	SCK3 - 3 - 30	30	-		18	31	0.32
SYIC - 17558	SCK4 - 2 - 50	50	39	22	14	24	0.60
SYIC - 17560	SCK4 - 3 - 50	50			18	31	0.56
SYIC - 17562	SCK4 - 4 - 45	45			22	39	0.52
SYIC - 17564	SCK5 - 2 - 54	54	49	28	14	24	0.72
SYIC - 17566	SCK5 - 3 - 47	47			18	31	0.70
SYIC - 17568	SCK5 - 4 - 42	42			22	39	0.65
SYIC - 17570	SCK5 - 5 - 60	60			28	50	0.60
SYIC - 17572	SCK6 - 2 - 63	63	64	36	14	24	1.50
SYIC - 17574	SCK6 - 3 - 56	56			18	31	1.30
SYIC - 17576	SCK6 - 4 - 51	51			22	39	1.10
SYIC - 17578	SCK6 - 5 - 41	41			28	50	1.05
SYIC - 17580	SCK6 - 6 - 60	60			-	36	63

Option

SCK	SMB	SBJ
P.G-19	P.G-20	P.G-27



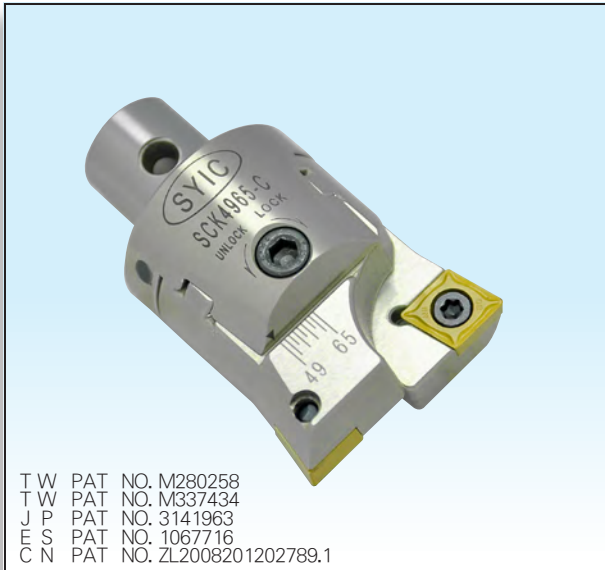
ROUGHING TWIN ADJUSTMENT BORING HEAD

SYIC-17600

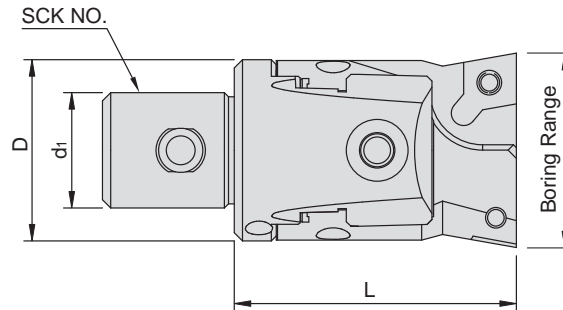
SCK 可調整式雙刃粗搪孔頭



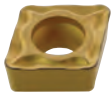
台灣精品 2008
TAIWAN EXCELLENCE



T W PAT NO. M280258
T W PAT NO. M337434
J P PAT NO. 3141963
E S PAT NO. 1067716
C N PAT NO. ZL2008201202789.1



- Not including inserts and need to be purchased separately.



CCMT inserts are suitable for rough boring, heavy and interrupted cutting.

- Suitable for rough boring, heavy duty and interrupted working process.
- Both inserts can move simultaneously. Timesaving and easy to operate.
- The insert seats contact the boring head with three surfaces. Rigidity is improved a lot.
- Applicable for SYIC's SCK tool holders; exchangeable with CK series as well.
- Suitable for big table feed (F) with high efficiency.
- Decreases producing cost and extends insert use life.

MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	Boring Range		d ₁	L	D	INSERT	SCREW	WRENCH	WEIGHT (KGS)
			MIN.	MAX.							
SYIC - 17602	SCK2430 - C	SCK2	24	30	14	34	22	CCMT0602..	M2.5-6.45-3.7	T8	0.19
SYIC - 17604	SCK2940 - C		29	40	14	42	27	CCMT09T3..	M4-10-5.7-4.3	T15	0.19
SYIC - 17606	SCK3950 - C	SCK3	39	50	18	45	32	CCMT1204..	M5-11-7.5-60	T20	0.19
SYIC - 17608	SCK4965 - C	SCK4	49	65	22	56	42				0.10
SYIC - 17612	SCK6382 - C	SCK5	63	82	28	66	54				0.20
SYIC - 17614	SCK80102 - C	SCK6	80	102	36	86	68				0.26
SYIC - 17616	SCK100125 - C	SCK7	100	125	46	100	85				4.00
SYIC - 17618	SCK125160 - C		125	160			110				6.16
SYIC - 17620	SCK160220 - C		160	220			145				8.10

SYIC-19500

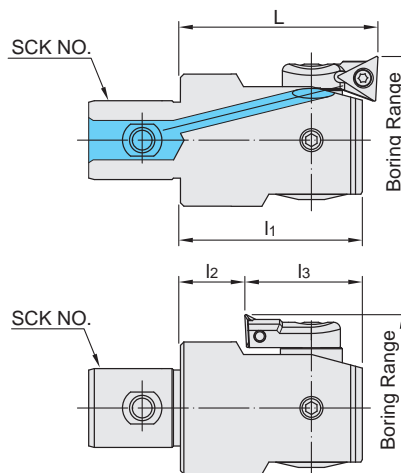
SMB 超微米精搪頭



台灣精品 2009
TAIWAN EXCELLENCE



T W PAT NO. M340139
T W PAT NO. M363355
J P PAT NO. 3154595
C N PAT NO. ZL200820102784.9
D E PAT NO. Nr.202009009848.6
U S PAT NO. US8109699 B2
T W PAT NO. M381470
C N PAT NO. ZL200920139100.7
E S PAT NO. 1072386



• TYPES FOR INSERT SEAT

TYPE	DRAWING	SUITABLE FINISH BORING HEAD	TYPE	DRAWING	SUITABLE FINISH BORING HEAD
SIC25 - 1		SMB25	SIC25 - 1E		SMB25
SIC25 - 2			SIC25 - 2E		
SIC25 - 3			SIC25 - 3E		
SIC32 - 1		SMB32	SIC32 - 1E		SMB32
SIC32 - 2			SIC32 - 2E		
SIC32 - 3			SIC32 - 3E		
SIC41 - 1		SMB41	SIC41 - 1E		SMB41
SIC41 - 2			SIC41 - 2E		
SIC41 - 3			SIC41 - 3E		
SIC53 - 1		SMB53	SIC53 - 1E		SMB53
SIC53 - 2			SIC53 - 2E		
SIC53 - 3			SIC53 - 3E		
SIC68 - 1		SMB68 SMB100	SIC68 - 1E		SMB68 SMB100
SIC68 - 2			SIC68 - 2E		
SIC68 - 3			SIC68 - 3E		

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

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

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

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

MODEL NO.	TYPE	SCK NO.	INSERT SEAT	INSERT	BORING AND PROCESSING AT FRONT			BORING AND PROCESSING AT BACK			WEIGHT (KGS)
					BORING RANGE	L	l ₁	BORING RANGE	l ₂	l ₃	
SYIC - 19503	SMB25	SCK2	SIC25 - 1	TB06 TP08	25 ~ 33	35.5	32.5	-	11.5	21	0.12
			SIC25 - 2		32 ~ 40			36 ~ 40			
			SIC25 - 3		39 ~ 47			39 ~ 47			
SYIC - 19505	SMB32	SCK3	SIC32 - 1		32 ~ 42	40	35	-	10	25	0.21
			SIC32 - 2		41 ~ 51			46 ~ 51			
			SIC32 - 3		50 ~ 60			50 ~ 60			
SYIC - 19507	SMB41	SCK4	SIC41 - 1		41 ~ 54	47	43	-	14	29	0.40
			SIC41 - 2		50 ~ 63			53 ~ 63			
			SIC41 - 3		61 ~ 74			61 ~ 74			
SYIC - 19509	SMB53	SCK5	SIC53 - 1	TP09 TC11	53 ~ 70	57	53	62 ~ 70	19	34	1.10
			SIC53 - 2		65 ~ 82			65 ~ 82			
			SIC53 - 3		78 ~ 95			78 ~ 95			
SYIC - 19511	SMB68	SCK6	SIC68 - 1		68 ~ 100	71	67.2	80 ~ 100	22	45.2	1.74
			SIC68 - 2		94 ~ 126			94 ~ 126			
			SIC68 - 3		118 ~ 150			118 ~ 150			
SYIC - 19513	SMB100	SCK6	SIC68 - 1		100 ~ 153	71	67.2	112 ~ 153	22	45.2	2.46
			SIC68 - 2		126 ~ 179			126 ~ 179			
			SIC68 - 3		150 ~ 203			150 ~ 203			



SUPER MICRON EXCHANGEABLE FINISH BORING HEAD

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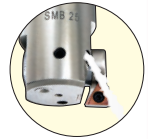
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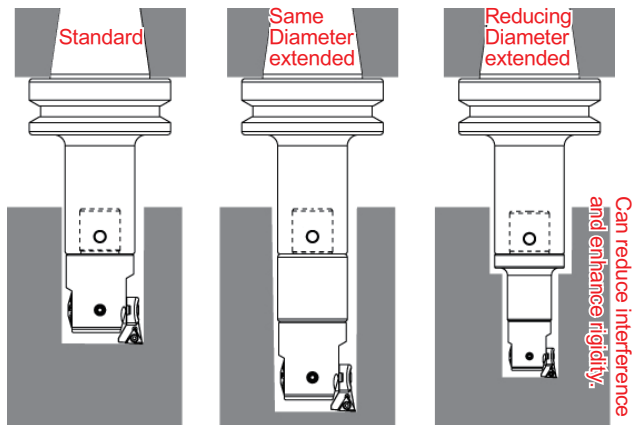


- For finish boring, boring range is $\phi 20 \sim \phi 150$.
- Micro-adjustment unit: each unit is 0.01mm.
- The insert seat is designed to have a coolant hole at the side, which can extend the use life of inserts, remove the metal chips effectively and is good for heat dissipation.
- The insert seat has an exchangeable design and the boring range can be enlarged. It can remove the metal chips effectively and avoid interference in the boring process.
- Suitable for combining with SCK tool holder series and can be used with SCK extension spacer (The Same Diameter/Different Diameter).
- Adjustable screw with almost no thread clearance to enhance adjusting accuracy. The pre-balance of boring head can apply to boring at high speed.
- SIC insert seat is designed to have less clearance to connect with boring head, having better rigidity, precision and dust-proof function.



**For finish boring, boring range is $\phi 25 \sim \phi 150$.
The design is user-friendly, easy to operate and has multi-functional applications.**

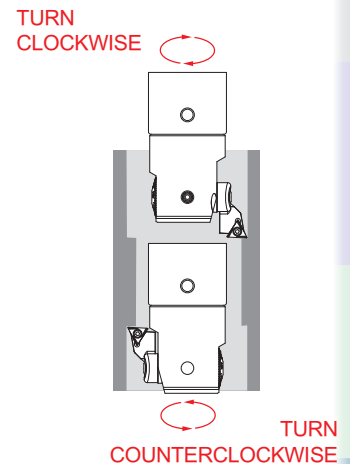
Free to assemble for required cutting diameter and depth.



Meet required coaxiality Back boring by reversing the standard insert seat

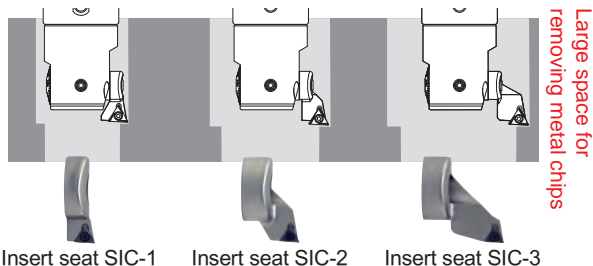
In general, users need to reverse the work piece when processing the workpiece by back boring. It not only wastes time but is hard to ensure the coaxiality of the front hole and back hole. For SMB Finish Boring Head, users just need to reverse the insert seat and can process by back boring. It not only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

※ Insert seat SIC-1 can not be used for back boring.



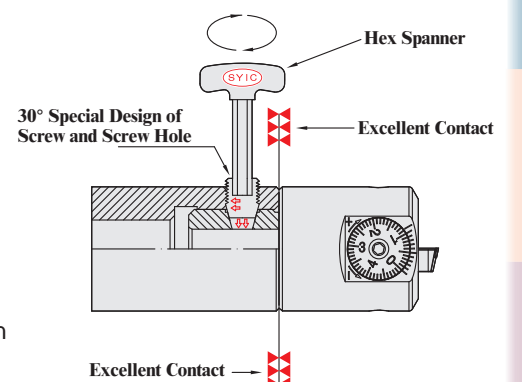
Only need to change insert seat. Enlarging boring range and improving removal of metal chips.

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



Combination of boring head and SCK tool holder

The combination is easy to operate and has good accuracy and stability just by using a hex wrench to tighten the screw. Special design on rake 30° for the fixed screw, which makes finish boring head tend to the direction of spindle when the fixed screw is tightened, provides perfect face contact for combining face of finish boring head and SCK tool holder.



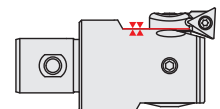
Applicable for high speed boring. (With pre-balanced design)

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

	6000	G6.3
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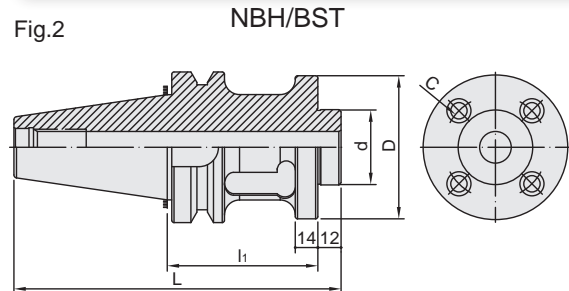
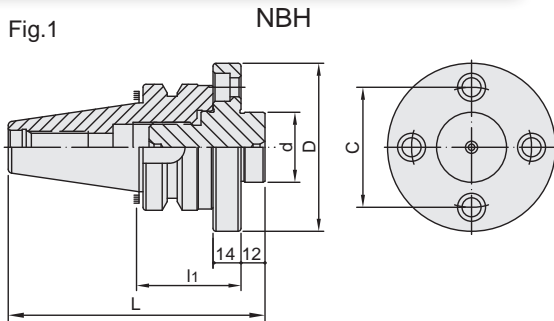
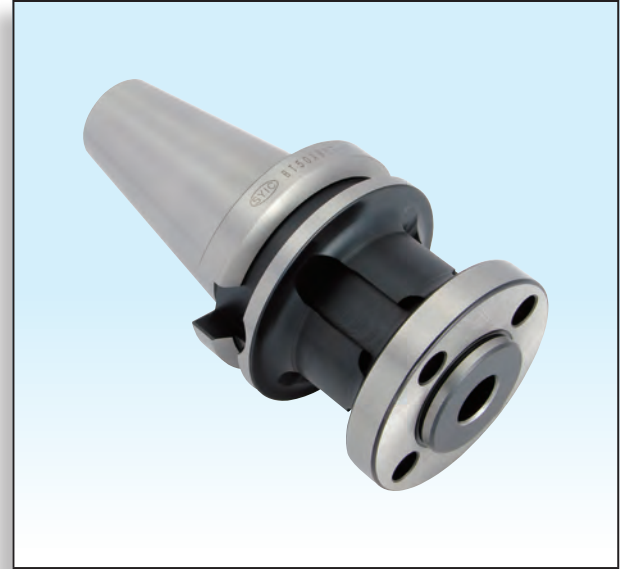
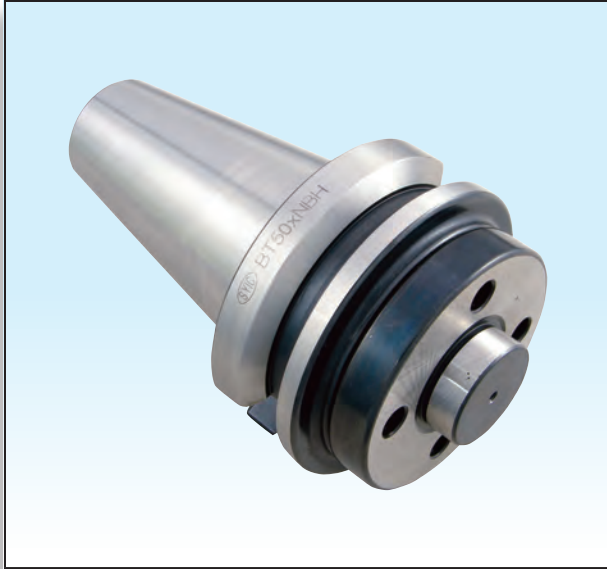
No clearance design Better rigidity, precision and dust-proof function.

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



SYIC-17680

BT / NBH BT / BST 搪孔刀柄



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

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

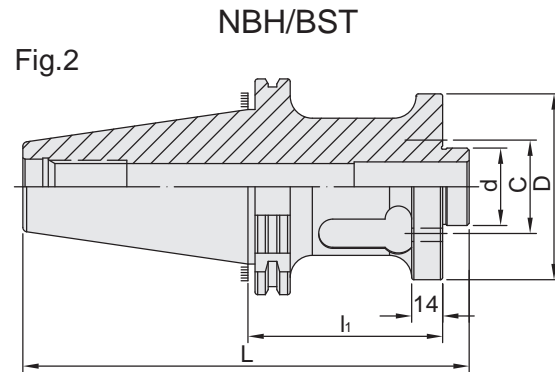
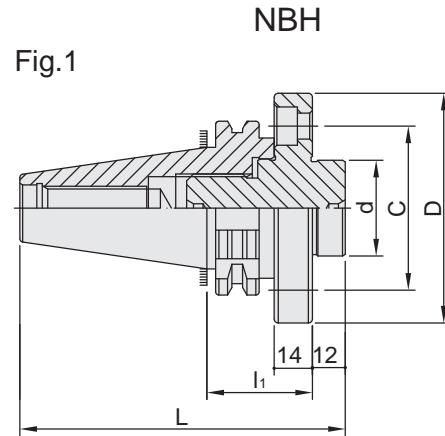
MODEL NO.	TYPE	l ₁	L	D	d h7	C	Fig	WEIGHT (KGS)
SYIC - 17681	BT30 x NBH2084B - 100	100	160.4	84	35	PCD φ 60 4 - M8 x 1.25P SCREW USE	2	1.90
SYIC - 17682	BT40 x NBH2084B - 100		177.4					2.00
SYIC - 17683	BT50 x NBH2084B - 100		213.8					4.00
SYIC - 17684	BT50 x NBH2084B - 165	165	278.8				1	4.50
SYIC - 17685	BT30 x NBH2084A	42	124.4					1.70
SYIC - 17686	BT40 x NBH2084A	51	155.4					1.70
SYIC - 17687	BT50 x NBH2084A	57	170.8	95	50	2	3.50	
SYIC - 18422	BT50 x BST - 100	100	208.8				5.65	
SYIC - 18424	BT50 x BST - 150	150	258.8					4.00
SYIC - 18426	BT50 x BST - 200	200	308.8					8.75
SYIC - 18428	BT50 x BST - 250	250	358.8				9.76	
SYIC - 18430	BT50 x BST - 300	300	408.8				11.50	
SYIC - 18432	BT50 x BST - 350	350	458.8	12.80				

Option

PULL STUD	NBH BORING HEAD
P.J-4	P.G-27

SYIC-45200

DAT / NBH DAT / BST 搪孔刀柄



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

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

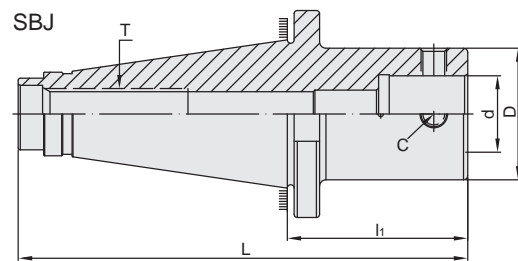
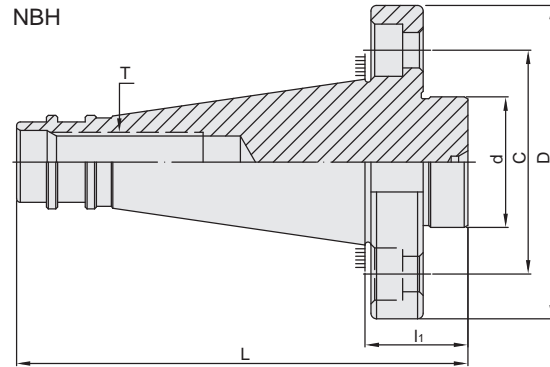
Option



SYIC-82600



搪頭刀柄



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

MODEL NO.	TYPE	L	li	D	d	C	T	WEIGHT (KGS)	
SYIC - 82632	C32 x NBH2084	95	14	84	35	PCD φ 60 4 - M8	-	1.1	
SYIC - 82635	R8 x NBH2084	122	41				7/16" - 20	1.1	
SYIC - 82638	MTB3 x NBH2084	112	31				1/2" - 12 or M12 x 1.75P	1.0	
SYIC - 82641	MTB4 x NBH2084	135	32.5				5/8" - 11 or M16 x 2.0P	1.3	
SYIC - 82644	MTB5 x NBH2084	162	32.5				1" - 8 or M24 x 3.0P	2.3	
SYIC - 82647	NT30 x NBH2084	96	27.6				1/2" - 12 or M12 x 1.75P	0.8	
SYIC - 82650	NT40 x NBH2084	121	27.6				5/8" - 11 or M16 x 2.0P	1.2	
SYIC - 82653	NT50 x NBH2084	168	41.2				1" - 8 or M24 x 3.0P	3.5	
SYIC - 82656	C32 x SBJ16	135	55	63	36	M12	-	1.2	
SYIC - 82659	C42 x SBJ16	135					1.6		
SYIC - 82662	R8 x SBJ16	162					7/16" - 20	1.2	
SYIC - 82665	NT30 x SBJ16	128					59.6	1/2" - 12 or M12 x 1.75P	1.1
SYIC - 82668	NT40 x SBJ16	148					54.6	5/8" - 11 or M16 x 2.0P	1.2
SYIC - 82671	NT50 x SBJ16	215					88.2	1" - 8 or M24 x 3.0P	3.7

Option

SBJ BORING HEAD FOR FINISHING	NBH BORING HEAD	SBE BORING HEAD
P.G-26	P.G-27	P.G-28



SRW ROUGHING BORING HEAD

FOR OVER 150mm SERIES

MANUFACTURING DIAMETER: ϕ 150mm ~ ϕ 830mm

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES

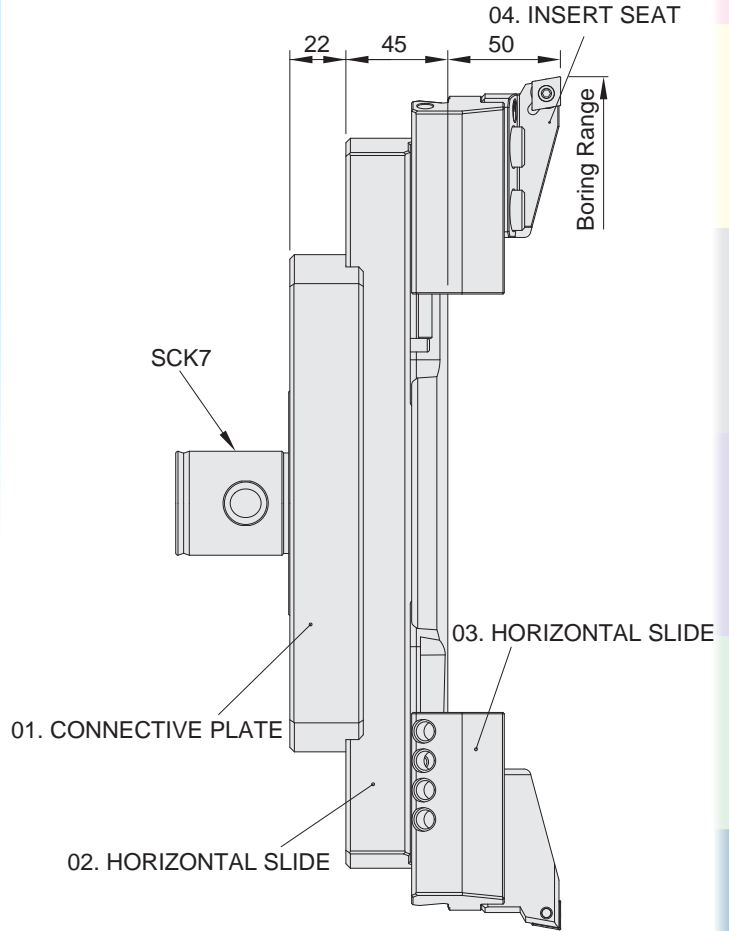
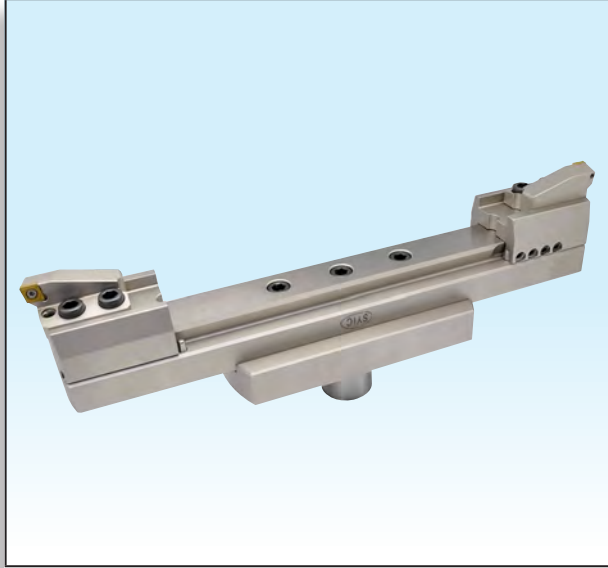
KIT

TECHNICAL INFO.

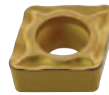
SYIC-19530

SRW 大孔徑粗搪頭 (150mm以上系列)

《加工孔徑 ϕ 150mm ~ ϕ 830mm》



- Not including inserts and need to be purchased separately.



CCMT inserts are suitable for rough boring, heavy and interrupted cutting.

INSERT	SCREW	WRENCH
CCMT1204..	M5-11-7.5-60	T20

MODEL NO.	TYPE	BORING RANGE		01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. HORIZONTAL SLIDE	04. INSERT SEAT	WEIGHT (KGS)
		MIN.	MAX.					
SYIC - 19532	SRW 150A	150	200	SFL135	SSL150 - 200	SCB150 - 200	SRW150A	13.8
SYIC - 19534	SRW 200A	200	270		SSL200 - 270			15.3
SYIC - 19536	SRW 270A	270	340		SSL270 - 340			16.7
SYIC - 19538	SRW 340A	340	410		SSL340 - 410			18.1
SYIC - 19540	SRW 410A	410	480		SSL410 - 480			19.5
SYIC - 19542	SRW 480A	480	550		SSL480 - 550			20.9
SYIC - 19544	SRW 550A	550	620	SFL220	SSL550 - 620	SCB220 - 550	SRW150A	23.6
SYIC - 19546	SRW 620A	620	690		SSL620 - 690			25.0
SYIC - 19548	SRW 690A	690	760		SSL690 - 760			26.5
SYIC - 19550	SRW 760A	760	830		SSL760 - 830			27.9

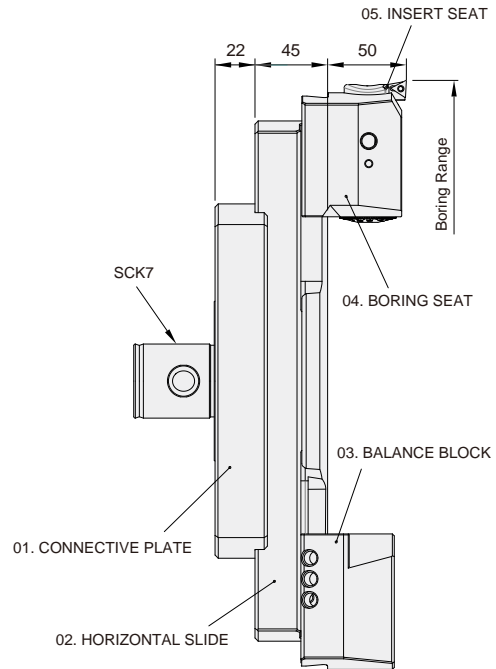
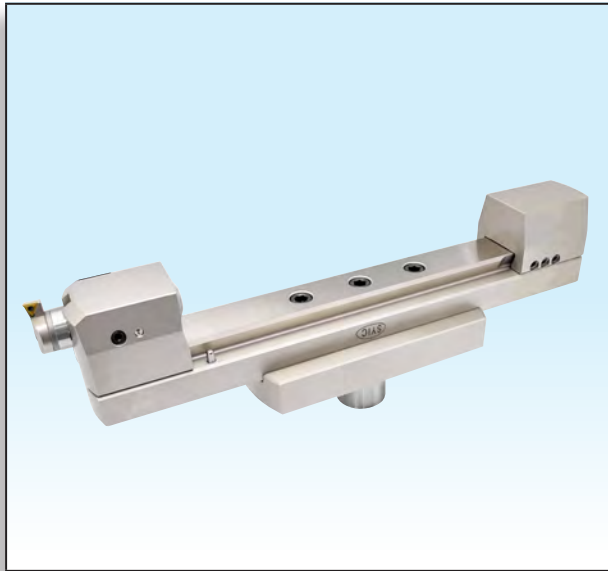
- Spare parts can be purchased individually.



SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD
FOR OVER 150mm SERIES
MANUFACTURING DIAMETER: ϕ 150mm ~ ϕ 830mm

SYIC-19560

SMB 大孔徑精搪頭(150mm以上系列)
《加工孔徑 ϕ 150mm ~ ϕ 830mm》

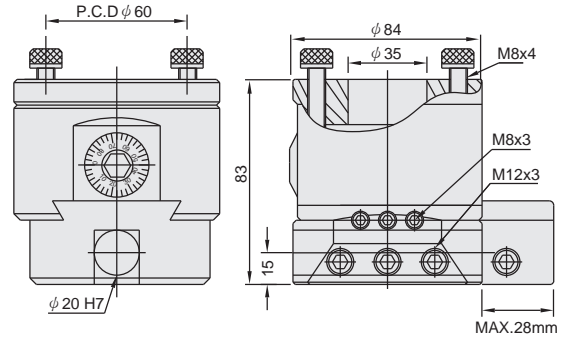


MODEL NO.	TYPE	01. CONNECTIVE PLATE	02. HORIZONTAL SLIDE	03. BALANCE BLOCK	04. BORING SEAT	05. INSERT SEAT	BORING RANGE	INSERT	WEIGHT (KGS)		
SYIC-19562	SMB150	SFL135	SSL150~200	SMB150L	SWB 150~200	SIC68-1	150~200	TP09 TC11	10.6		
							SIC68-2			176~226	
							SIC68-3			200~250	
SYIC-19564	SMB200				SSL200~270		SWB 200~550		SIC68-1	200~270	11.6
						SIC68-2			226~296		
						SIC68-3			250~320		
SYIC-19566	SMB270				SSL270~340				SIC68-1	270~340	13.0
						SIC68-2			296~366		
						SIC68-3			320~390		
SYIC-19568	SMB340				SSL340~410				SIC68-1	340~410	14.4
						SIC68-2			366~436		
						SIC68-3			390~460		
SYIC-19570	SMB410		SSL410~480		SIC68-1	410~480	15.8				
				SIC68-2	436~506						
				SIC68-3	460~530						
SYIC-19572	SMB480		SSL480~550		SIC68-1	480~550	17.2				
				SIC68-2	506~576						
				SIC68-3	530~600						
SYIC-19574	SMB550	SFL220	SSL550~620		SIC68-1	550~620	20.0				
					SIC68-2	576~646					
					SIC68-3	600~670					
SYIC-19576	SMB620			SSL620~690		SIC68-1	620~690	21.4			
					SIC68-2	646~716					
					SIC68-3	670~740					
SYIC-19578	SMB690			SSL690~760		SIC68-1	690~760	22.9			
					SIC68-2	716~786					
					SIC68-3	740~810					
SYIC-19580	SMB760		SSL760~830		SIC68-1	760~830	24.3				
				SIC68-2	786~856						
				SIC68-3	810~880						

• Spare parts can be purchased individually.

SYIC-82704

NBH 高精密搪孔頭



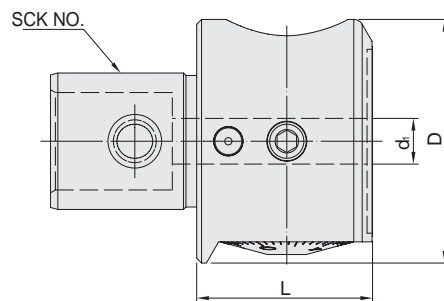
- Each increment 0.005mm.
- Boring range 8mm ~ 280mm.
- Can choose the shank for boring head fit for the machine spindle.
- Boring head only, not including shank & cutter.

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

SBJ BORING HEAD FOR FINISHING

SYIC-19520

SBJ 高精密搪孔頭



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

MODEL NO.	TYPE	ASSEMBLE TOOL HOLDER	BORING RANGE	d_1	D	L	WEIGHT (KGS)
SYIC - 19522	SBJ10	SCK4	6 ~ 22	10	39	28.5	0.25
SYIC - 19524	SBJ12	SCK5	6 ~ 32	12	50	36	0.50
SYIC - 19526	SBJ16	SCK6	6 ~ 50	16	63.5	45	1.00

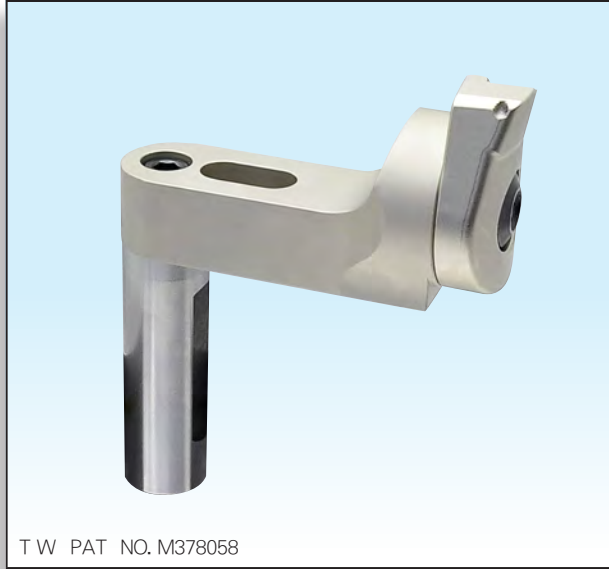


SYIC-158.684

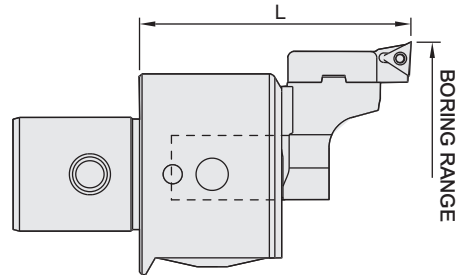
SBE 延伸搪孔刀座



台灣精品 2013
TAIWAN EXCELLENCE



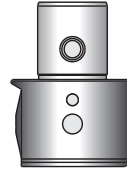
T W PAT NO. M378058



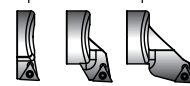
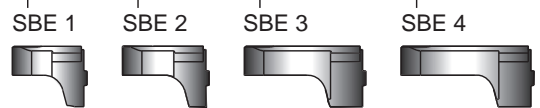
Features:

- Depending on the range of work piece's diameter, using SBE Extended Boring Insert Seat to enlarge the range of processing and can solve the difficulty of processing different work piece's diameter.
- To enlarge the range of processing it is easy to operate by only exchanging the insert seat.
- According to different processing material, operators choose suitable inserts which can increase precision, stability, and have excellent metal chips removal capability.
- Excellent exchangeable combination system can be based on the processing to make the best adjustment.
- Suitable for SBJ-16(SYIC-19526).
- Tool holders, SBJ Boring head for finishing, and Inserts need to be purchased additionally

SBJ16 BORING HEAD



SBD



SIC Insert seat

• TYPES FOR INSERT SEAT

TYPE	DRAWING	SUITABLE FINISH BORING HEAD	TYPE	DRAWING	SUITABLE FINISH BORING HEAD
SIC68 - 1		SMB68	SIC68 - 1E		SMB68
SIC68 - 2			SIC68 - 2E		
SIC68 - 3			SIC68 - 3E		

MODEL NO.	TYPE	SBJ NO.	INSERT SEAT	INSERT	BORING AND PROCESSING AT FRONT		WEIGHT (KGS)
					BORING RANGE	L	
SYIC - 158.684.1	SBE - 1	SBJ16	SIC68 - 1	TP09 TC11	84 ~ 96	85.5	0.18
			SIC68 - 2		108 ~ 120	86	
			SIC68 - 3		133 ~ 145	86.5	
SYIC - 158.684.2	SBE - 2		SIC68 - 1		95 ~ 107	85.5	0.18
			SIC68 - 2		120 ~ 132	86	
			SIC68 - 3		145 ~ 157	86.5	
SYIC - 158.684.3	SBE - 3		SIC68 - 1		130 ~ 142	85.5	0.20
			SIC68 - 2		156 ~ 168	86	
			SIC68 - 3		180 ~ 192	86.5	
SYIC - 158.684.4	SBE - 4	SIC68 - 1	142 ~ 154	85.5	0.24		
		SIC68 - 2	168 ~ 180	86			
		SIC68 - 3	192 ~ 202	85.6			



SLEEVE FOR TUNGSTEN STEEL TOOL HOLDERS

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

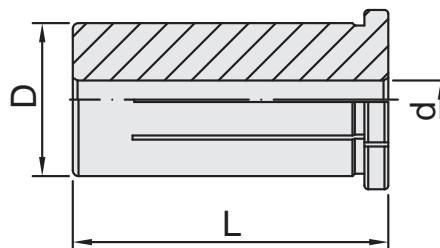
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-82790

鎢鋼刀柄專用套筒



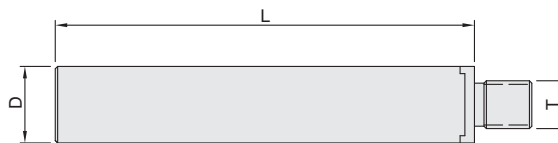
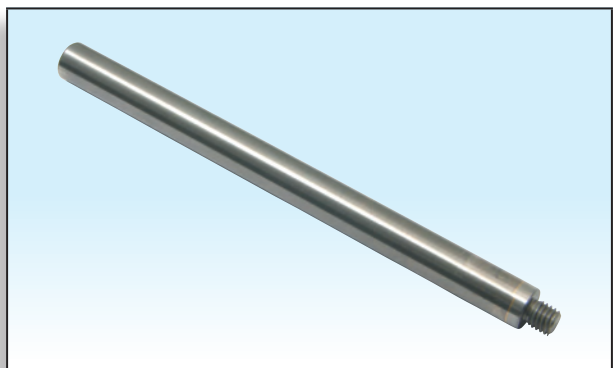
MODEL NO.	TYPE	D	d	L	WEIGHT (KGS)
SYIC - 82792	SBJ - 16 - 8K	16	8	37	0.08
SYIC - 82794	SBJ - 16 - 10K		10		0.04
SYIC - 82796	SBJ - 16 - 12K		12		0.02
SYIC - 82798	SBJ - 16 - 14K		14		0.01



ANTI-VIBRANT TUNGSTEN STEEL TOOL HOLDER

SYIC-82710

抗震鎢鋼刀柄

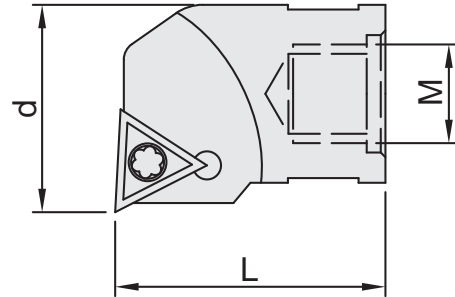
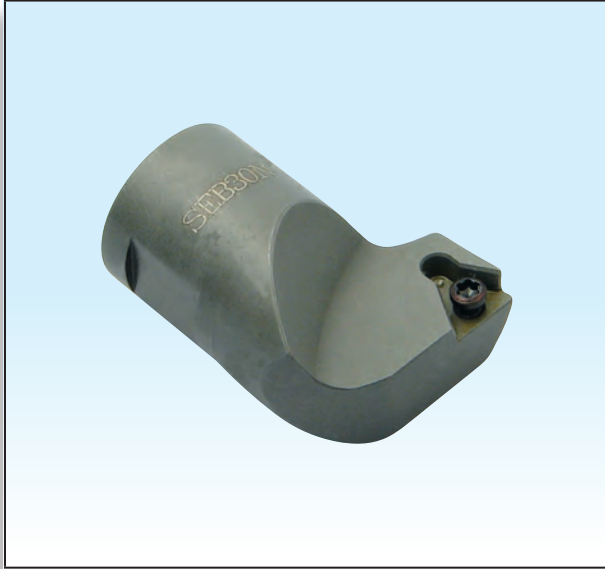


- Boring hole in depth can't exceed 6 times of hole diameter.

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

SYIC-82730

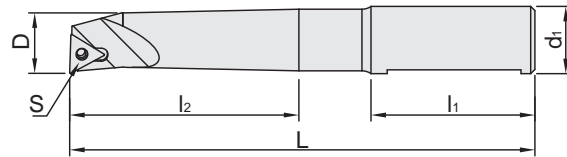
捨棄式搪頭



MODEL NO.	TYPE	BORING CAPACITY	d	L	M	INSERTS	SCREW	SPANNER	WEIGHT (KGS)						
SYIC - 82732	SEB09N - TP08	9mm - 10.5mm	9	18	M5	TPGT080202	M2-5.0-2.7-60	T6	0.02						
SYIC - 82732 - 10.5 - TP08	SEB10.5N - TP08	10.5mm - 12mm	10.5						0.02						
SYIC - 82733	SEB12N - TP08	12mm - 14mm	12	23	M6				TPGT080202	M2-5.0-2.7-60	T6	0.02			
SYIC - 82734	SEB14N - TP08	14mm - 16mm	14									0.02			
SYIC - 82735	SEB16N - TP08	16mm - 18mm	16	27	M10							TPGT080202	M2-5.0-2.7-60	T6	0.03
SYIC - 82736	SEB18N - TP08	18mm - 20mm	18												0.03
SYIC - 82737	SEB20N - TP08	20mm - 22mm	20												0.04
SYIC - 82738	SEB22N - TP08	22mm - 24mm	22												0.04
SYIC - 82739	SEB24N - TP08	24mm - 26mm	24												0.04
SYIC - 82740	SEB26N - TP08	26mm - 28mm	26												0.04
SYIC - 82741	SEB28N - TP08	28mm - 30mm	28												0.04
SYIC - 82742	SEB30N - TP08	30mm - 32mm	30												0.04
SYIC - 82743	SEB32N - TP08	32mm - 34mm	32												0.04
SYIC - 82744	SEB34N - TP08	34mm - 36mm	34												0.05
SYIC - 82745	SEB36N - TP08	36mm - 38mm	36												0.04
SYIC - 82746	SEB38N - TP08	38mm - 40mm	38												0.05
SYIC - 82747	SEB40N - TP08	40mm - 42mm	40												0.05
SYIC - 82748	SEB42N - TP08	42mm - 44mm	42												0.05
SYIC - 82749	SEB44N - TP08	44mm - 46mm	44												0.05
SYIC - 82750	SEB46N - TP08	46mm - 48mm	46												0.05
SYIC - 82751	SEB48N - TP08	48mm - 50mm	48			0.05									
SYIC - 82751 - 50 - TP08	SEB50N - TP08	50mm - 52mm	50			0.05									
SYIC - 82732 - TB06	SEB09N - 06 - TB06	9mm - 10.5mm	9			18	M5	TBGT060102L	M2-5.0-2.7-60	T6	0.02				
SYIC - 82733 - TB06	SEB12N - 06 - TB06	12mm - 14mm	12								0.02				
SYIC - 82734 - TB09	SEB14N - 09 - TP09	14mm - 16mm	14	23	M6	TPGH090204L	M2.5-6.5-3.5-60	T8	0.02						
SYIC - 82735 - TB09	SEB16N - 09 - TP09	16mm - 18mm	16						0.03						
SYIC - 82736 - TB09	SEB18N - 09 - TP09	18mm - 20mm	18	27	M10	TPGH110304L	M3-8.0-4.0-43	T9	0.03						
SYIC - 82737 - TB09	SEB20N - 09 - TP09	20mm - 22mm	20						0.04						
SYIC - 82738 - TB11	SEB22N - 11 - TP11	22mm - 24mm	22						0.04						
SYIC - 82739 - TB11	SEB24N - 11 - TP11	24mm - 26mm	24						0.04						
SYIC - 82740 - TB11	SEB26N - 11 - TP11	26mm - 28mm	26						0.04						
SYIC - 82741 - TB11	SEB28N - 11 - TP11	28mm - 30mm	28						0.04						
SYIC - 82742 - TB11	SEB30N - 11 - TP11	30mm - 32mm	30						0.04						
SYIC - 82743 - TB11	SEB32N - 11 - TP11	32mm - 34mm	32						0.04						
SYIC - 82744 - TB11	SEB34N - 11 - TP11	34mm - 36mm	34						0.05						
SYIC - 82745 - TB11	SEB36N - 11 - TP11	36mm - 38mm	36						0.04						
SYIC - 82746 - TB11	SEB38N - 11 - TP11	38mm - 40mm	38						0.04						
SYIC - 82747 - TB11	SEB40N - 11 - TP11	40mm - 42mm	40						0.05						

SYIC-82370

替換式 搪孔刀

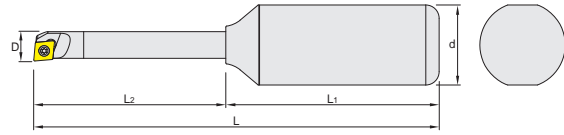


- Can purchase separately or 8pcs/set.
- Min. order quantity of each suitable insert is 10 pcs.

MODEL NO.	TYPE	BORING CAPACITY	D	d ₁	L	l ₁	l ₂	S	INSERTS	WRENCH	WEIGHT (KGS)
SYIC - 82372	SBJ - 1008 - 24	8 - 11	8	10	58	25	24	M2	TBGT0601..	T6	0.02
SYIC - 82374	SBJ - 1010 - 30	10 - 13	10		64		30	M2	TBGT0601..	T6	0.04
SYIC - 82376	SBJ - 1012 - 36	12 - 17	12		70		36	M2.5	TPGH0902..	T8	0.04
SYIC - 82378	SBJ - 1016 - 48	16 - 21	16		78		48	M2.5	TPGH0902..	T8	0.08
SYIC - 82380	SBJ - 10 4PCS / SET INCLUDE BOX										
SYIC - 82382	SBJ - 1208 - 28	8 - 11	8	12	67	30	28	M2	TBGT0601..	T6	0.04
SYIC - 82384	SBJ - 1210 - 35	10 - 13	10		74		35	M2	TBGT0601..	T6	0.04
SYIC - 82386	SBJ - 1212 - 42	12 - 17	12		81		42	M2.5	TPGH0902..	T8	0.06
SYIC - 82388	SBJ - 1216 - 56	16 - 21	16		95		56	M2.5	TPGH0902..	T8	0.08
SYIC - 82390	SBJ - 1220 - 70	20 - 26	20		105		70	M3	TPGH1103..	T8	0.12
SYIC - 82392	SBJ - 12 5PCS / SET INCLUDE BOX										
SYIC - 82752	SBJ - 1608 - 32	8 - 11	8	16	64	32	32	M2	TBGT0601..	T6	0.06
SYIC - 82754	SBJ - 1610 - 40	10 - 13	10		72		40	M2	TBGT0601..	T6	0.07
SYIC - 82756	SBJ - 1612 - 53	12 - 17	12		85		53	M2.5	TPGH0902..	T8	0.08
SYIC - 82758	SBJ - 1616 - 68	16 - 21	16		100		68	M2.5	TPGH0902..	T8	0.12
SYIC - 82760	SBJ - 1620 - 83	20 - 26	20		115		83	M3	TPGH1103..	T8	0.16
SYIC - 82762	SBJ - 1625 - 90	25 - 32	25		122		90	M3	TPGH1103..	T8	0.25
SYIC - 82764	SBJ - 1630 - 90	30 - 42	30		122		90	M3	TPGH1103..	T8	0.30
SYIC - 82766	SBJ - 1640 - 90	40 - 50	40		122		90	M3	TPGH1103..	T8	0.40
SYIC - 82768	SBJ - 16 8PCS / SET INCLUDE BOX										
SYIC - 82772	SBJ - 2008 - 32	8 - 11	8	20	64	32	32	M2	TBGT0601..	T6	0.09
SYIC - 82774	SBJ - 2010 - 40	10 - 13	10		72		40	M2	TBGT0601..	T6	0.11
SYIC - 82776	SBJ - 2012 - 53	12 - 17	12		85		53	M2.5	TPGH0902..	T8	0.11
SYIC - 82778	SBJ - 2016 - 68	16 - 21	16		100		68	M2.5	TPGH0902..	T8	0.15
SYIC - 82780	SBJ - 2020 - 83	20 - 26	20		115		83	M3	TPGH1103..	T8	0.20
SYIC - 82782	SBJ - 2025 - 96	25 - MAX	25		128		96	M3	TPGH1103..	T8	0.30
SYIC - 82784	SBJ - 2030 - 115	30 - MAX	30		147		115	M3	TPGH1103..	T8	0.50
SYIC - 82786	SBJ - 20 - 20L	MAX	40		97		-	-	M3	TPGH1103..	T8
SYIC - 82788	SBJ - 20 8PCS / SET INCLUDE BOX										

SYIC-82300

鎢鋼替換式搪孔刀柄



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

5 times long

MODEL NO.	TYPE	D	d	L	L ₁	L ₂	BORING RANGE	INSERTS SIZE	SCREW	WRENCH
SYIC - 82301	CSBJ - 1005 - 28	5.6	10	68	40	28	5.6 - 8	CC..03S1	M1.8-4.2-2.5-54	T6
SYIC - 82303	CSBJ - 1006 - 30	6		70		30	6 - 9			
SYIC - 82305	CSBJ - 1008 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82307	CSBJ - 1010 - 50	10		90		50	10 - 13			
SYIC - 82309	CSBJ - 1012 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	
SYIC - 82311	CSBJ - 1014 - 70	14		110		70	14 - 17			
SYIC - 82313	CSBJ-10 6PCS/SET INCLUDE BOX									
SYIC - 82315	CSBJ - 1205 - 28	5.6	12	68	40	28	5.6 - 8	CC..03S1	M1.8-4.2-2.5-54	T6
SYIC - 82317	CSBJ - 1206 - 30	6		70		30	6 - 9			
SYIC - 82319	CSBJ - 1208 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82321	CSBJ - 1210 - 50	10		90		50	10 - 13			
SYIC - 82323	CSBJ - 1212 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	
SYIC - 82325	CSBJ - 1214 - 70	14		110		70	14 - 17			
SYIC - 82327	CSBJ-12 6PCS/SET INCLUDE BOX									
SYIC - 82329	CSBJ - 1605 - 28	5.6	16	68	40	28	5.6 - 8	CC..031	M1.8-4.2-2.5-54	T6
SYIC - 82331	CSBJ - 1606 - 30	6		70		30	6 - 9			
SYIC - 82333	CSBJ - 1608 - 40	8		80		40	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82335	CSBJ - 1610 - 50	10		90		50	10 - 13			
SYIC - 82337	CSBJ - 1612 - 60	12		100		60	12 - 15	TP..0902	M2.5-6.0-3.5-60	
SYIC - 82339	CSBJ - 1614 - 70	14		110		70	14 - 17			
SYIC - 82341	CSBJ - 1616 - 80	16	120	80	16 - 19	TP..1103	M3-8.0-4.0-43			
SYIC - 82343	CSBJ - 1618 - 90	18	130	-	-			18 - 21		
SYIC - 82345	CSBJ-16 8PCS/SET INCLUDE BOX									

6 times long

MODEL NO.	TYPE	D	d	L	L ₁	L ₂	BORING RANGE	INSERTS SIZE	SCREW	WRENCH
SYIC - 82350	CSBJ - 2005 - 34	5.6	20	74	40	34	5.6 - 8	CC..031	M1.8-4.2-2.5-54	T6
SYIC - 82352	CSBJ - 2006 - 36	6		76		36	6 - 9			
SYIC - 82354	CSBJ - 2008 - 48	8		88		48	8 - 11	TB..0601	M2-5.0-2.7-60	
SYIC - 82356	CSBJ - 2010 - 60	10		100		60	10 - 13			
SYIC - 82358	CSBJ - 2012 - 72	12		112		72	12 - 15	TP..0902	M2.5-6.0-3.5-60	
SYIC - 82360	CSBJ - 2014 - 84	14		124		84	14 - 17			
SYIC - 82362	CSBJ - 2016 - 96	16	136	96	16 - 19	TP..1103	M3-8.0-4.0-43			
SYIC - 82364	CSBJ - 2018 - 108	18	148	-	-			18 - 21		
SYIC - 82366	CSBJ-16 8PCS/SET INCLUDE BOX									

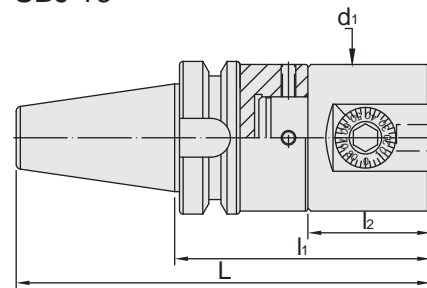
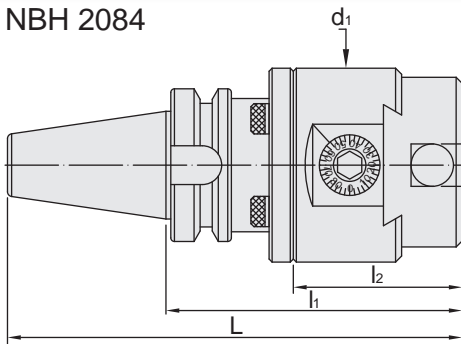
SYIC-17690

高精度搪孔組



NBH 2084

SBJ 16

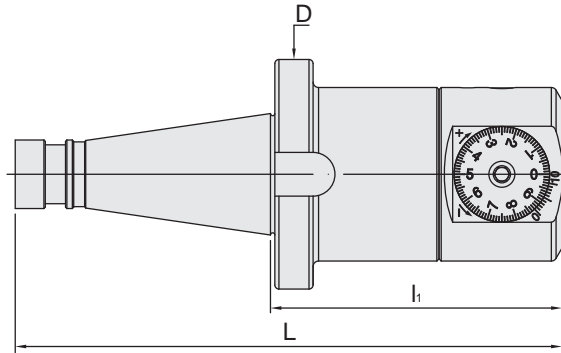


- Including shank and boring head, but without boring cutters.
- Can order lengthened Boring Head Shank by request.
- See SYIC-17500 & SYIC-17680 for BT Boring Head Shank.
- See SYIC-45200 & SYIC-47500 for DAT Boring Head Shank.
- See SYIC-82704 for NBH2084 Boring Head.
- See SYIC-19250 for SBJ Boring Head.
- See SYIC-82750 for boring cutters.
- The pre-balance can reach G6.3 5,000 rpm, without an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- Cardboard box packing.

MODEL NO.	TYPE	BORING DEPTH	L	l ₁	l ₂	d ₁	WEIGHT (KGS)
SYIC - 17695	BT40 x NBH2084	98	200.4	125	83	84	4.60
SYIC - 17696	BT50 x NBH2084	135	242.8	171			7.50
SYIC - 17697H - SBJ10	BT30 x SBJ10	66.5	136.9	88.5	28.5	39	1.25
SYIC - 17697H - SBJ12	BT30 x SBJ12	84	154.4	106	36	50	1.60
SYIC - 17697	BT30 x SBJ16	115	168	119.6	45	63.5	2.70
SYIC - 17698H - SBJ10	BT40 x SBJ10	71.5	163.9	98.5	28.5	39	1.70
SYIC - 17698H - SBJ12	BT40 x SBJ12	69	161.4	96	36	50	2.30
SYIC - 17698	BT40 x SBJ16	105	180	114.6	45	63.5	2.24
SYIC - 17699H - SBJ10	BT50 x SBJ10	90	229.8	128.5	28.5	39	5.05
SYIC - 17699H - SBJ12	BT50 x SBJ12	58	197.8	96	36	50	5.90
SYIC - 17699	BT50 x SBJ16	148	250	148.2	45	63.5	5.30
SYIC - 45115	DAT40 x NBH2084	98	186.4	118	83	84	4.60
SYIC - 45118	DAT50 x NBH2084	135	219.75				7.30
SYIC - 45146	DAT30 x SBJ10	58.5	126.3	78.5	28.5	39	1.55
SYIC - 45150	DAT30 x SBJ16	115	142.8	95	45	63.5	2.70
SYIC - 45151	DAT40 x SBJ10	88.5	176.9	108.5	28.5	39	1.55
SYIC - 45153	DAT40 x SBJ12	111	199.4	131	36	50	1.90
SYIC - 45155	DAT40 x SBJ16	105	163.4	95	45	63.5	2.80
SYIC - 45156	DAT50 x SBJ10	118.5	240.25	138.5	28.5	39	3.65
SYIC - 45158	DAT50 x SBJ12	81	202.75	101	36	50	4.00
SYIC - 45160	DAT50 x SBJ16	148	196.75	95	45	63.5	5.30

SYIC-82550

高精密搪孔組



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

MODEL NO.	TYPE	BORING CAPACITY	L	l ₁	D	DRAW BAR	WEIGHT (KGS)
SYIC - 82572	C32 x NBH2084	8 ~ 280mm	180	100	84	-	3.9
SYIC - 82574	R8 x NBH2084		207			7/16" - 20	3.9
SYIC - 82576	MTB3 x NBH2084		181			1/2" - 12 or M12 x 1.75P	3.8
SYIC - 82578	MTB4 x NBH2084		202.5			5/8" - 11 or M16 x 2.0P	4.0
SYIC - 82580	MTB5 x NBH2084		229.5			1" - 8 or M24 x 3.0P	5.1
SYIC - 82582	NT30 x NBH2084		168.4			1/2" - 12 or M12 x 1.75P	3.6
SYIC - 82584	NT40 x NBH2084		193.4			5/8" - 11 or M16 x 2.0P	4.0
SYIC - 82586	NT50 x NBH2084		226.8			1" - 8 or M24 x 3.0P	6.3
SYIC - 82588	C32 x SBJ16	8 ~ 50mm	153	73	62	-	2.4
SYIC - 82590	C42 x SBJ16		153			7/16" - 20	2.9
SYIC - 82592	R8 x SBJ16		180			1/2" - 12 or M12 x 1.75P	2.5
SYIC - 82594	NT30 x SBJ16		141.4			1/2" - 12 or M12 x 1.75P	2.3
SYIC - 82596	NT40 x SBJ16		168.4			5/8" - 11 or M16 x 2.0P	2.5
SYIC - 82598	NT50 x SBJ16		203.8			1" - 8 or M24 x 3.0P	5.0

SYIC-17670

BT 高精密 套裝搪孔頭



● 8 PCS boring cutter w/o inserts.

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

MODEL NO.	TYPE	BORING CAPACITY	INCLUDED ACCESSORIES
SYIC - 17675 - 3P	BT40 x NBH2084	8 ~ 280mm	<ul style="list-style-type: none"> ● 1 PCS head with toolholder. ● 3 PCS boring cutter w/o inserts. (SBJ-2010-40 / SBJ2020-83 / SBJ20-20L) ● 1 PCS wrench. ● 3 PCS wrench. ● 1 PCS Box.
SYIC - 17676 - 3P	BT50 x NBH2084		
SYIC - 17675 - 8P	BT40 x NBH2084		
SYIC - 17676 - 8P	BT50 x NBH2084		
SYIC - 17677 - SBJ10	BT30 x SBJ10	8 ~ 21mm	<ul style="list-style-type: none"> ● 1 PCS head with toolholder. ● 2 PCS wrench. ● 4 PCS boring cutter w/os inserts. ● 1 PCS Box.
SYIC - 17678 - SBJ10	BT40 x SBJ10		
SYIC - 17679 - SBJ10	BT50 x SBJ10		
SYIC - 17677 - SBJ12	BT30 x SBJ12	8 ~ 26mm	<ul style="list-style-type: none"> ● 1 PCS head with toolholder. ● 2 PCS wrench. ● 5 PCS boring cutter w/os inserts. ● 1 PCS Box.
SYIC - 17678 - SBJ12	BT40 x SBJ12		
SYIC - 17679 - SBJ12	BT50 x SBJ12		
SYIC - 17677	BT30 x SBJ16	8 ~ 50mm	<ul style="list-style-type: none"> ● 1 PCS head with toolholder. ● 2 PCS wrench. ● 8 PCS boring cutter w/os inserts. ● 1 PCS Box.
SYIC - 17678	BT40 x SBJ16		
SYIC - 17679	BT50 x SBJ16		

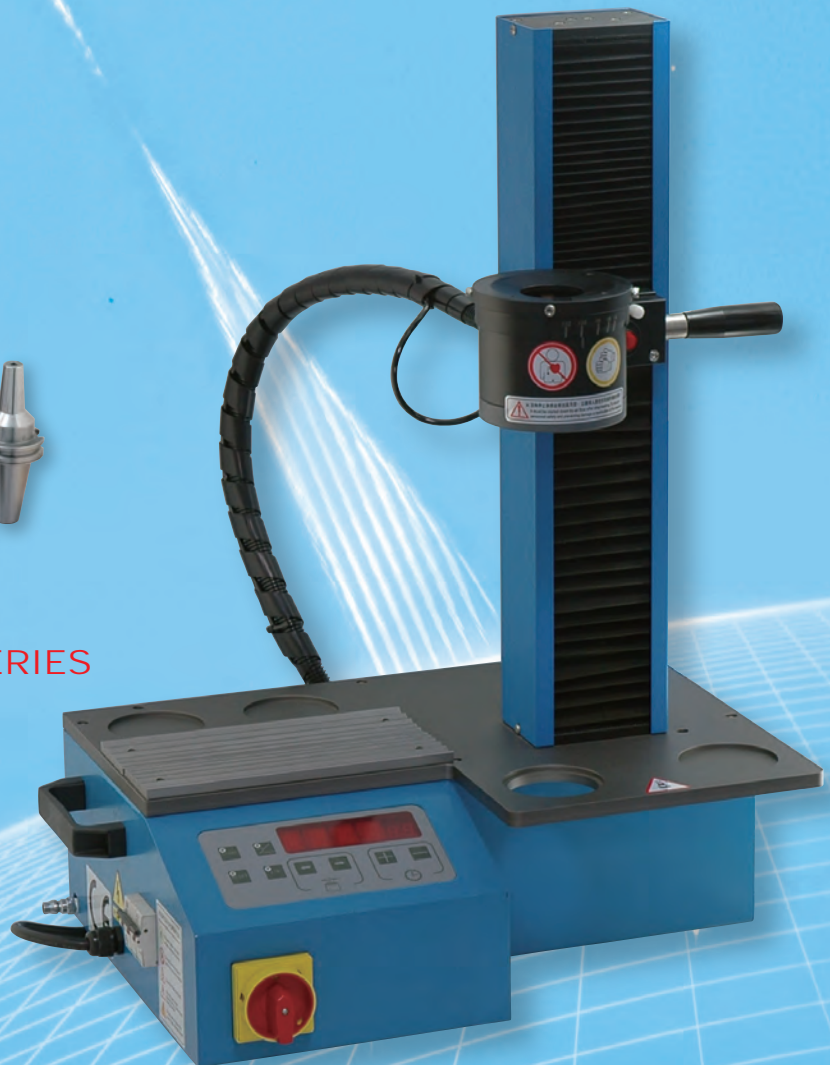


SHRINK FIT

00100	SHRINK-FIT MACHINE	H-2
19000	BT / SFC SHRINK FIT CHUCK	H-3~H-9
29000	CAT / SFC SHRINK FIT CHUCK	H-10~H-13
49100	DAT / SFC SHRINK FIT CHUCK	H-14~H-21
39080	HSK / SFC SHRINK FIT CHUCK FOR TYPE A	H-22~H-27
39000-E	HSK / SFC SHRINK FIT CHUCK FOR TYPE E	H-28~H-33
39100-F	HSK / SFC SHRINK FIT CHUCK FOR TYPE F	H-34~H-37
86200	ISO / SFC SHRINK FIT CHUCK TYPE without slot	H-38,H-39
86300	SLF SLIM-FIT SHRINK FIT COLLET CHUCK	H-40
86000	STRAIGHT SHANK SFC SHRINK FIT CHUCK	H-41
09250	ER / SFE SHRINK FIT COLLET CHUCK EXTENSION TYPE	H-42,H-43



SFC SHRINK FIT CHUCK SERIES



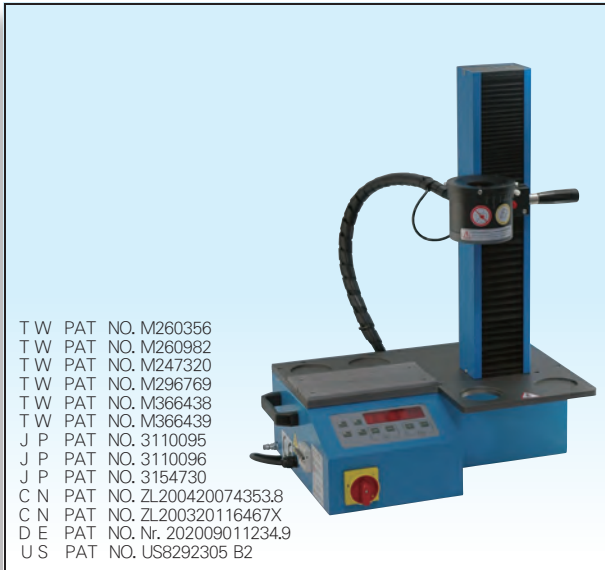
H-1

SYIC-00100

SFC 電磁誘導加熱器



台灣精品 2008
TAIWAN EXCELLENCE



TW PAT NO. M260356
TW PAT NO. M260982
TW PAT NO. M247320
TW PAT NO. M296769
TW PAT NO. M366438
TW PAT NO. M366439
JP PAT NO. 3110095
JP PAT NO. 3110096
JP PAT NO. 3154730
CN PAT NO. ZL200420074353.8
CN PAT NO. ZL200320116467X
DE PAT NO. Nr. 202009011234.9
US PAT NO. US8292305 B2

- Heating time: 3~18 sec. (depends on the diameter and shape of tool holder)
- Automatic cooling: 3~5 min.
- Used for HSS or general throw-away cutting tools (more than ϕ 8mm)
- Can heat small diameter tool holder (less than ϕ 4mm)
- Advantages: better manufacturing rigidity & longer tool life

TURNTABLE POSITIONING DEVICE

SLIDING JAWS

PAT.NO :
M366438
M366439

- Adjust the Turntable Positioning Device and move the Sliding Jaws for tool positioning.
- Sliding Jaws are magnetism-separated.
- Easy-operated and time-saving. Removes the complicated steps of exchanging Induction Rings.

Height plus seat



MODEL NO.	SPINDLE TYPE
SYIC - 00170	ϕ 84 x 101

Clamp for Cutting tool



MODEL NO.	SPINDLE TYPE
SYIC - 00175	ϕ 3 ~ ϕ 12

Tool holder transfer stand



Fig.1



Fig.2



Fig.3

MODEL NO.	SPINDLE TYPE	Fig
SYIC - 00151	BT 30	2
SYIC - 00152	BT 40	1
SYIC - 00153	BT 50	
SYIC - 00155	HSK 25	3
SYIC - 00156	HSK 32	
SYIC - 00157	HSK 40	2
SYIC - 00158	HSK 50	
SYIC - 00159	HSK 63	1
SYIC - 00160	HSK 80	

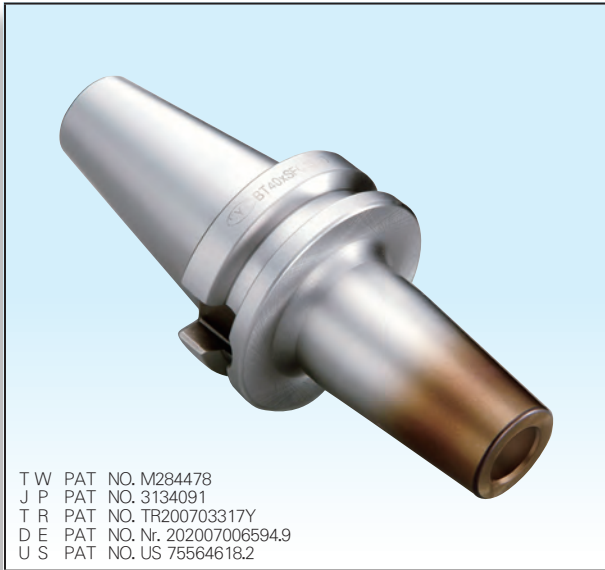
MODEL NO.	TYPE	Maximum Consumption electric power	Fuse	SIZE	Suitable Cutter Material	Diameter range of cutter	WEIGHT (KGS)
SYIC - 00100 - B	220V 3 phase	9000W	25A	650 x 410 x 820	Tungsten steel	ϕ 3 ~ ϕ 32	40
SYIC - 00101 - B	380V 3phase	10000W	16A				
SYIC - 00102 - B	415V 3phase						
SYIC - 00103 - B	440V 3phase						



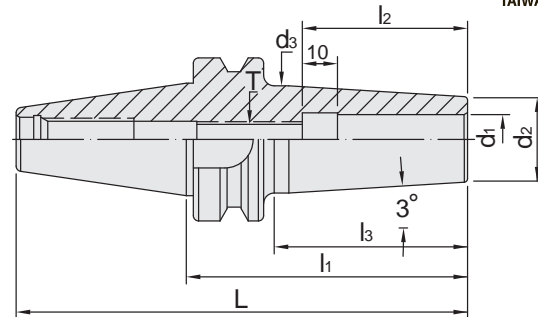
BT / SFC SHRINK FIT CHUCK

SYIC-19000

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



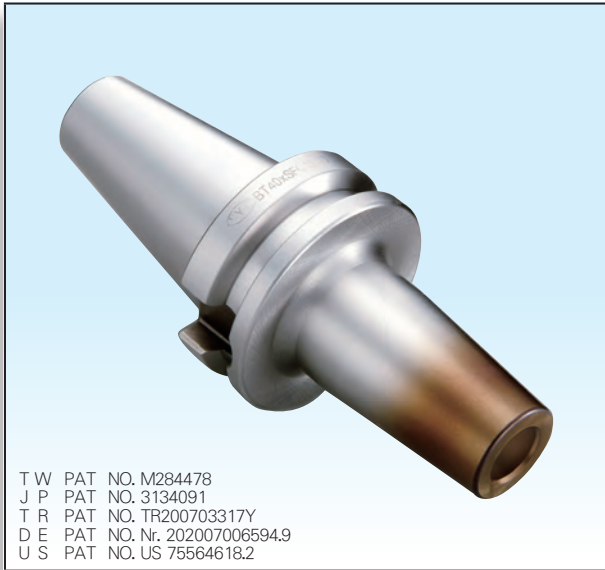
- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- Every tool holder reaches the standard of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For tool shank with h6 tolerance.

INCHES

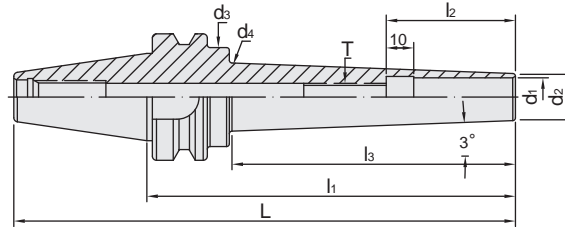
MODEL NO.	TYPE $d_1 - l_1$	L	l_2	l_3	d_2	d_3	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 19002	BT30 x SFC3/16" - 3.15"	5.06	0.79	1.91	0.43	0.63	M6 x 1.0P	18	0.43
SYIC - 19004	BT30 x SFC1/4" - 3.15"		1.42	1.81	0.71	1.06	M5 x 0.8P		0.53
SYIC - 19006	BT30 x SFC5/16" - 3.15"			1.85	0.79		M6 x 1.0P	0.55	
SYIC - 19008	BT30 x SFC3/8" - 3.15"		1.53	1.83	0.94	1.26	M8 x 1.25P	65	0.62
SYIC - 19010	BT30 x SFC1/2" - 3.15"		1.85	1.87	1.1	1.34	M10 x 1.5P	110	0.67
SYIC - 19011	BT30 x SFC5/8" - 3.15"		1.97	1.85	1.06		M12 x 1.75P	200	0.61
SYIC - 19012	BT30 x SFC3/4" - 3.54"	5.45		2.56	1.26	M16 x 2.0P	320	0.70	
SYIC - 19014	BT30 x SFC1" - 3.94"	5.85	2.04	3.05	1.42	1.65	M20 x 2.0P	500	0.86
SYIC - 19020	BT40 x SFC3/16" - 3.54"	6.12	0.79	2.11	0.43	0.63	M6 x 1.0P	18	1.02
SYIC - 19022	BT40 x SFC1/4" - 3.54"		1.42	2.04	0.71	1.02	M5 x 0.8P		1.10
SYIC - 19024	BT40 x SFC5/16" - 3.15"	5.72		2.11	0.79		M6 x 1.0P	35	1.15
SYIC - 19026	BT40 x SFC3/8" - 3.54"	6.12	1.65		0.94	1.16	M8 x 1.25P	65	1.22
SYIC - 19028	BT40 x SFC1/2" - 3.54"		1.85	2.28	1.1	M10 x 1.5P	110	1.28	
SYIC - 19029	BT40 x SFC5/8" - 3.54"		1.97	2.06	1.06	1.34	M12 x 1.75P	200	1.22
SYIC - 19030	BT40 x SFC3/4" - 3.54"			2.28	1.26		M16 x 2.0P	320	1.25
SYIC - 19032	BT40 x SFC1" - 3.94"	6.51	2.28	2.83	1.81	2.09	M20 x 2.0P	500	1.78
SYIC - 19036	BT50 x SFC3/16" - 3.54"	7.55	0.79	1.67	0.43	0.59	M6 x 1.0P	18	3.58
SYIC - 19038	BT50 x SFC1/4" - 3.54"		1.61	1.67	0.71	0.88	M5 x 0.8P		3.64
SYIC - 19040	BT50 x SFC5/16" - 3.54"		1.42	1.62	0.79	1.02	M6 x 1.0P	35	3.65
SYIC - 19042	BT50 x SFC3/8" - 3.54"		1.65	1.67	0.94	1.12	M8 x 1.25P	65	3.75
SYIC - 19044	BT50 x SFC1/2" - 3.54"		1.85	1.62	1.1	1.34	M10 x 1.5P	110	3.78
SYIC - 19045	BT50 x SFC5/8" - 3.54"		1.97	1.60	1.06		M12 x 1.75P	200	3.75
SYIC - 19046	BT50 x SFC3/4" - 3.54"			1.85	1.26	M16 x 2.0P	320	3.76	
SYIC - 19048	BT50 x SFC1" - 3.94"		7.94	2.28	2.24	1.73	1.93	M20 x 2.0P	500

Option

PULL STUD	PRESET SCREW
P.J-2	P.J-59



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity. • T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 19002 - 5.31	BT30 x SFC3/16" - 5.31"	7.22	0.79	4.25	0.43	0.75	-	-	18	0.52
SYIC - 19004 - 5.31	BT30 x SFC1/4" - 5.31"		1.42	3.99	0.49	1.02	0.91	M5 x 0.8P		0.59
SYIC - 19006 - 5.31	BT30 x SFC5/16" - 5.31"		1.42	4.03	0.55		0.97	M6 x 1.0P	35	0.62
SYIC - 19008 - 5.31	BT30 x SFC3/8" - 5.31"		1.53	4.25	0.61	-	M8 x 1.25P	65	0.64	
SYIC - 19010 - 5.31	BT30 x SFC1/2" - 5.31"		1.85	4.25	0.74	1.42	M10 x 1.5P	110	0.68	
SYIC - 19011 - 5.31	BT30 x SFC5/8" - 5.31"		1.97	3.99	0.86		1.28	M12 x 1.75P	200	0.81
SYIC - 19012 - 5.31	BT30 x SFC3/4" - 5.31"		1.97	4.40	0.99	-	M16 x 2.0P	320	0.87	
SYIC - 19014 - 5.31	BT30 x SFC1" - 5.31"		2.04	4.40	1.24	-	M20 x 2.0P	500	0.94	
SYIC - 19020 - 5.31	BT40 x SFC3/16" - 5.31"	7.89	0.79	4.05	0.43	0.75	-	-	18	1.08
SYIC - 19022 - 5.31	BT40 x SFC1/4" - 5.31"	7.89	1.42	3.78	0.49	1.02	0.88	M5 x 0.8P		1.15
SYIC - 19023	BT40 x SFC1/4" - 6.5"	9.07		5.23			1.24			
SYIC - 19023 - 7.87	BT40 x SFC1/4" - 7.87"	10.5	6.61	1.37						
SYIC - 19024 - 5.31	BT40 x SFC5/16" - 5.31"	7.89	1.42	3.82	0.55	1.42	0.94	M6 x 1.0P	35	1.17
SYIC - 19025	BT40 x SFC5/16" - 6.5"	9.07		5.23			1.28			
SYIC - 19025 - 7.87	BT40 x SFC5/16" - 7.87"	10.5	6.61	1.41						
SYIC - 19026 - 5.31	BT40 x SFC3/8" - 5.31"	7.89	1.53	3.82	0.61	1.42	1.01	M8 x 1.25P	65	1.20
SYIC - 19027	BT40 x SFC3/8" - 6.5"	9.07		5.00			1.31			
SYIC - 19027 - 7.87	BT40 x SFC3/8" - 7.87"	10.5	6.34	1.47						
SYIC - 19028 - 5.31	BT40 x SFC1/2" - 5.31"	7.89	1.85	3.82	0.74	1.42	1.13	M10 x 1.5P	110	1.27
SYIC - 19028 - 6.5	BT40 x SFC1/2" - 6.5"	9.07		4.95			1.41			
SYIC - 19028 - 7.87	BT40 x SFC1/2" - 7.87"	10.5	6.61	1.61						
SYIC - 19029 - 5.31	BT40 x SFC5/8" - 5.31"	7.89	1.97	3.78	0.86	1.42	1.26	M12 x 1.75P	200	1.33
SYIC - 19029 - 6.5	BT40 x SFC5/8" - 6.5"	9.07		5.39			1.51			
SYIC - 19029 - 7.87	BT40 x SFC5/8" - 7.87"	10.5	6.77	1.75						
SYIC - 19030 - 5.31	BT40 x SFC3/4" - 5.31"	7.89	1.97	3.63	0.99	1.42	1.36	M16 x 2.0P	320	1.40
SYIC - 19031	BT40 x SFC3/4" - 6.5"	9.07		5.23			1.60			
SYIC - 19031 - 7.87	BT40 x SFC3/4" - 7.87"	10.5	6.61	1.83						
SYIC - 19032 - 5.31	BT40 x SFC1" - 5.31"	7.89	2.04	4.05	1.24	1.42	-	M20 x 2.0P	500	1.46
SYIC - 19033	BT40 x SFC1" - 6.5"	9.07		5.23			1.66			
SYIC - 19033 - 7.87	BT40 x SFC1" - 7.87"	10.5	6.61	1.90						

Option

PULL STUD	PRESET SCREW
P.J-2	P.J-59



BT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

BT

SYIC-19000

BT / SFC 熱膨脹刀桿



台灣精品 2009
TAIWAN EXCELLENCE

CAT

DAT

H SK

NT & MT

I SO

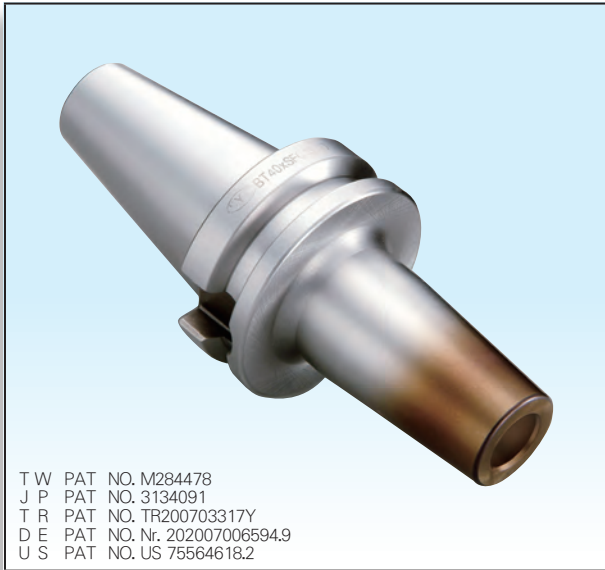
BORING

SHRINK FIT

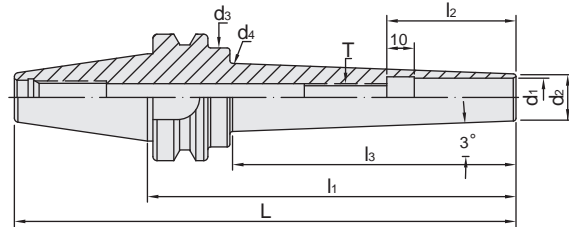
ACCESSORIES

KIT

TECHNICAL INFO.



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 19036 - 5.31	BT50 x SFC3/16" - 5.31"	9.32	0.79	3.42	0.43	0.75	-	-	18	3.65
SYIC - 19038 - 5.31	BT50 x SFC1/4" - 5.31"	9.32	1.42	2.99	0.49	1.02	0.80	M5 x 0.8P		3.70
SYIC - 19039	BT50 x SFC1/4" - 6.5"	10.5		4.16			0.92			3.78
SYIC - 19039 - 7.87	BT50 x SFC1/4" - 7.87"	11.9		5.98			-		3.91	
SYIC - 19040 - 5.31	BT50 x SFC5/16" - 5.31"	9.32	1.42	3.36	0.55	1.02	0.90	M6 x 1.0P	35	3.72
SYIC - 19041	BT50 x SFC5/16" - 6.5"	10.5		4.80			-			3.82
SYIC - 19041 - 7.87	BT50 x SFC5/16" - 7.87"	11.9		6.18			-			3.94
SYIC - 19042 - 5.31	BT50 x SFC3/8" - 5.31"	9.32	1.53	3.38	0.61	1.26	0.96	M8 x 1.25P	65	3.75
SYIC - 19043	BT50 x SFC3/8" - 6.5"	10.5		4.51			1.08			3.86
SYIC - 19043 - 7.87	BT50 x SFC3/8" - 7.87"	11.9		5.76			1.21			4.01
SYIC - 19044 - 5.31	BT50 x SFC1/2" - 5.31"	9.32	1.85	3.29	0.74	1.34	1.08	M10 x 1.5P	110	3.82
SYIC - 19044 - 6.5	BT50 x SFC1/2" - 6.5"	10.5		4.54			1.21			3.96
SYIC - 19044 - 7.87	BT50 x SFC1/2" - 7.87"	11.9		6.18			-			4.17
SYIC - 19045 - 5.31	BT50 x SFC5/8" - 5.31"	9.32	1.97	3.36	0.86	1.34	1.22	M12 x 1.75P	200	3.84
SYIC - 19045 - 6.5	BT50 x SFC5/8" - 6.5"	10.5		4.80			-			4.00
SYIC - 19045 - 7.87	BT50 x SFC5/8" - 7.87"	11.9		6.18			-			4.21
SYIC - 19046 - 5.31	BT50 x SFC3/4" - 5.31"	9.32	1.97	3.62	0.99	1.34	-	M16 x 2.0P	320	3.89
SYIC - 19047	BT50 x SFC3/4" - 6.5"	10.5		4.80			-			4.06
SYIC - 19047 - 7.87	BT50 x SFC3/4" - 7.87"	11.9		6.18			-			4.26
SYIC - 19048 - 5.31	BT50 x SFC1" - 5.31"	9.32	2.04	3.39	1.24	1.65	1.59	M20 x 2.0P	500	3.98
SYIC - 19050	BT50 x SFC1" - 6.5"	10.5		4.80			-			4.22
SYIC - 19050 - 7.87	BT50 x SFC1" - 7.87"	11.9		6.18			-			4.50

Option

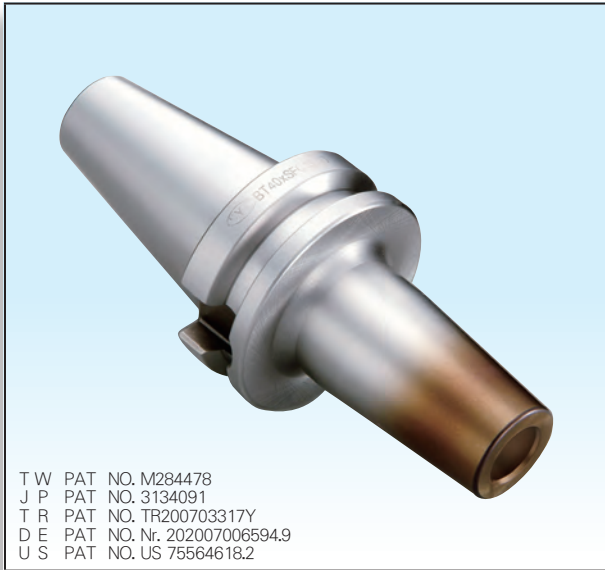
PULL STUD	PRESET SCREW
P.J-2	P.J-59

SYIC-19100

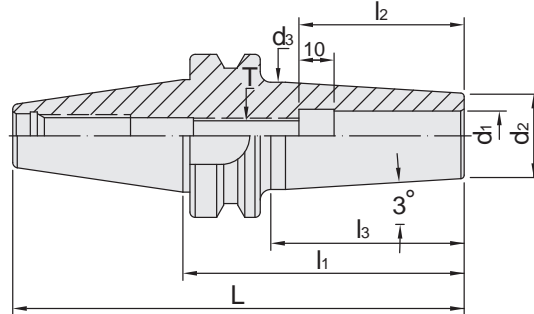
BT / SFC 熱膨脹刀桿



台灣精品 2009
TAIWAN EXCELLENCE



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 19102	BT30 x SFC4 - 80	128.4	20	48	10	15	M6 x 1.0P	18	0.42	
SYIC - 19104	BT30 x SFC5 - 80									16
SYIC - 19106	BT30 x SFC6 - 80		36	53	21	26	M5 x 0.8P		0.64	
SYIC - 19108	BT30 x SFC8 - 80						M6 x 1.0P		35	0.56
SYIC - 19110	BT30 x SFC10 - 80						42		24	29
SYIC - 19112	BT30 x SFC12 - 80		47	M10 x 1.5P	110	0.66				
SYIC - 19114	BT30 x SFC14 - 80		138.4	50	46	55	27		32	M12 x 1.75P
SYIC - 19116	BT30 x SFC16 - 80	200						0.60		
SYIC - 19118	BT30 x SFC18 - 90	250						0.80		
SYIC - 19120	BT30 x SFC20 - 90	148.4	52	66	33	38	M16 x 2.0P	320	0.76	
SYIC - 19122	BT30 x SFC25 - 100							500	1.17	
SYIC - 19132	BT40 x SFC4 - 90	155.4	20	53	10	15.6	M6 x 1.0P	18	1.01	
SYIC - 19134	BT40 x SFC5 - 90									16
SYIC - 19136	BT40 x SFC6 - 90		36	58	21	26	M5 x 0.8P		1.15	
SYIC - 19138	BT40 x SFC8 - 90						M6 x 1.0P		35	1.15
SYIC - 19140	BT40 x SFC10 - 90						42		24	29
SYIC - 19142	BT40 x SFC12 - 90		47	M10 x 1.5P	110	1.19				
SYIC - 19144	BT40 x SFC14 - 90		165.4	50	68	33	38		M12 x 1.75P	150
SYIC - 19146	BT40 x SFC16 - 90	200						1.21		
SYIC - 19148	BT40 x SFC18 - 100	250						1.42		
SYIC - 19150	BT40 x SFC20 - 100	201.8	52	68	33	38	M16 x 2.0P	320	1.38	
SYIC - 19152	BT40 x SFC25 - 100							500	1.66	
SYIC - 19154	BT40 x SFC32 - 100	211.8	58	71	44	49	M20 x 2.0P	550	1.52	
SYIC - 19162	BT50 x SFC4 - 100							3.86		
SYIC - 19164	BT50 x SFC5 - 100	20	52	10	15.5	M6 x 1.0P	18	3.86		
SYIC - 19166	BT50 x SFC6 - 100								16	21
SYIC - 19168	BT50 x SFC8 - 100	36	57	21	26	M5 x 0.8P	3.92			
SYIC - 19170	BT50 x SFC10 - 100					35	3.92			
SYIC - 19172	BT50 x SFC12 - 100					65	3.90			
SYIC - 19174	BT50 x SFC14 - 100	42	58	24	29	M8 x 1.25P	110	3.94		
SYIC - 19176	BT50 x SFC16 - 100						150	4.02		
SYIC - 19178	BT50 x SFC18 - 110	47	52	57	27	32	M10 x 1.5P	200	3.96	
SYIC - 19180	BT50 x SFC20 - 110							250	4.18	
SYIC - 19182	BT50 x SFC25 - 110	50	62	33	38	M12 x 1.75P	320	4.14		
SYIC - 19184	BT50 x SFC32 - 110						500	4.46		
							M16 x 2.0P	550	4.30	

Option

PULL STUD

PRESET SCREW



P.J-2



P.J-59



BT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

BT

SYIC-19100

BT / SFC 熱膨脹刀桿



台灣精品 2009
TAIWAN EXCELLENCE

CAT

DAT

HSK

NT & MT

ISO

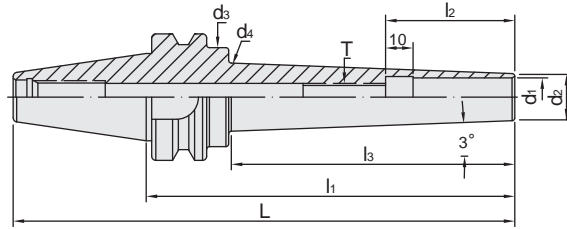
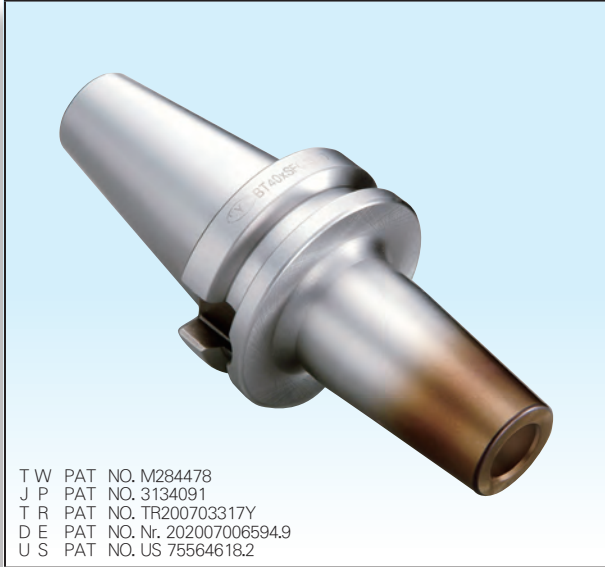
BORING

SHRINK FIT

ACCESSORIES

KIT

TECHNICAL INFO.



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MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 19102 - 135	BT30 x SFC4 - 135	183.4	20	102	10	26	20.6	-	18	0.54	
SYIC - 19104 - 135	BT30 x SFC5 - 135				11		21.6				0.56
SYIC - 19106 - 135	BT30 x SFC6 - 135		36	101	12		22.6	M5 x 0.8P	0.58		
SYIC - 19108 - 135	BT30 x SFC8 - 135			103	14		24.7	M6 x 1.0P	35	0.62	
SYIC - 19110 - 135	BT30 x SFC10 - 135		42	108	16		-	M8 x 1.25P	65	0.65	
SYIC - 19112 - 135	BT30 x SFC12 - 135				18				110	0.68	
SYIC - 19114 - 135	BT30 x SFC14 - 135		47	102	20		36	30.6	M10 x 1.5P	150	0.77
SYIC - 19116 - 135	BT30 x SFC16 - 135		50	101	22					32.6	M12 x 1.75P
SYIC - 19118 - 135	BT30 x SFC18 - 135			102	24		34.7	250	0.86		
SYIC - 19120 - 135	BT30 x SFC20 - 135		52	111	26		-	M16 x 2.0P	320	0.89	
SYIC - 19122 - 160	BT30 x SFC25 - 160	208.4	58	136	31	M20 x 2.0P			500	1.10	

Option

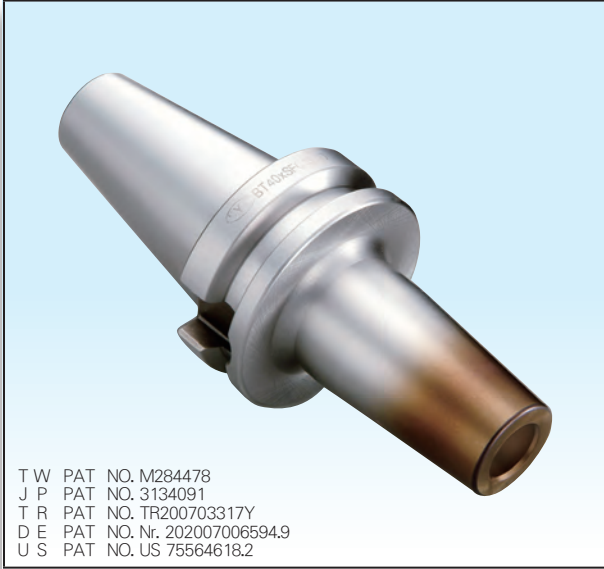
PULL STUD	PRESET SCREW
<p>P.J-2</p>	<p>P.J-59</p>

SYIC-19100

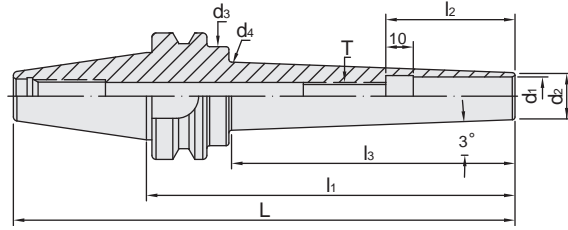
BT / SFC 熱膨脹刀桿



台灣精品 2009
TAIWAN EXCELLENCE



TW PAT NO. M284478
JP PAT NO. 3134091
TR PAT NO. TR200703317Y
DE PAT NO. Nr. 202007006594.9
US PAT NO. US 75564618.2



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MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)									
SYIC - 19132 - 135	BT40 x SFC4 - 135	200.4	20	97	10	26	20	-	18	1.10									
SYIC - 19134 - 135	BT40 x SFC5 - 135	200.4					21				11	24							
SYIC - 19135	BT40 x SFC5 - 165	230.4			168		-												
SYIC - 19135 - 200	BT40 x SFC5 - 200	265.4			96		12				22	M5 x 0.8P	1.12						
SYIC - 19136 - 135	BT40 x SFC6 - 135	200.4	36	96	12		36			24	M6 x 1.0P	35	1.20						
SYIC - 19137	BT40 x SFC6 - 165	230.4											127	-	30	1.33			
SYIC - 19137 - 200	BT40 x SFC6 - 200	265.4											168	14	27	1.12			
SYIC - 19138 - 135	BT40 x SFC8 - 135	200.4											97	18	31	1.22			
SYIC - 19139	BT40 x SFC8 - 165	230.4	47	125	18	36		35	M10 x 1.5P	110		1.30							
SYIC - 19139 - 200	BT40 x SFC8 - 200	265.4										162	20	30	1.33				
SYIC - 19140 - 135	BT40 x SFC10 - 135	200.4										97	20	22	32	M12 x 1.75P	200	1.45	
SYIC - 19141	BT40 x SFC10 - 165	230.4										127						16	33
SYIC - 19141 - 200	BT40 x SFC10 - 200	265.4	161	-	35		1.34												
SYIC - 19142 - 135	BT40 x SFC12 - 135	200.4	97	50	24		34	M16 x 2.0P		320	1.51								
SYIC - 19143	BT40 x SFC12 - 165	230.4	125								26	38	48	M20 x 2.0P	500	1.56			
SYIC - 19143 - 200	BT40 x SFC12 - 200	265.4	162													58	31	49	550
SYIC - 19144 - 135	BT40 x SFC14 - 135	200.4	97			38			41										
SYIC - 19145	BT40 x SFC14 - 165	230.4	126	52	24		-	M16 x 2.0P		320									
SYIC - 19145 - 200	BT40 x SFC14 - 200	265.4	168								58	26	-	M16 x 2.0P	320				
SYIC - 19146 - 135	BT40 x SFC16 - 135	200.4	96													52	24	-	M16 x 2.0P
SYIC - 19147	BT40 x SFC16 - 165	230.4	127			58			26										
SYIC - 19147 - 200	BT40 x SFC16 - 200	265.4	168	58	26		-	M16 x 2.0P		320									
SYIC - 19148 - 135	BT40 x SFC18 - 135	200.4	97								58	31	49	M20 x 2.0P	500				
SYIC - 19149	BT40 x SFC18 - 165	230.4	133													58	31	49	M20 x 2.0P
SYIC - 19149 - 200	BT40 x SFC18 - 200	265.4	168			58			31										
SYIC - 19150 - 135	BT40 x SFC20 - 135	200.4	103	58	31		49	M20 x 2.0P		500									
SYIC - 19151	BT40 x SFC20 - 165	230.4	133								58	31	49	M20 x 2.0P	500				
SYIC - 19151 - 200	BT40 x SFC20 - 200	265.4	168													58	31	49	M20 x 2.0P
SYIC - 19152 - 135	BT40 x SFC25 - 135	200.4	97			58			38										
SYIC - 19153	BT40 x SFC25 - 165	230.4	127	58	38		-	M20 x 2.0P		550									
SYIC - 19153 - 200	BT40 x SFC25 - 200	265.4	162								58	38	-	M20 x 2.0P	550				
SYIC - 19154 - 135	BT40 x SFC32 - 135	200.4	97													58	38	-	M20 x 2.0P
SYIC - 19155	BT40 x SFC32 - 165	230.4	136			58			38										
SYIC - 19155 - 200	BT40 x SFC32 - 200	265.4	171	58	38		-	M20 x 2.0P		550									

Option

PULL STUD	PRESET SCREW
P.J-2	P.J-59



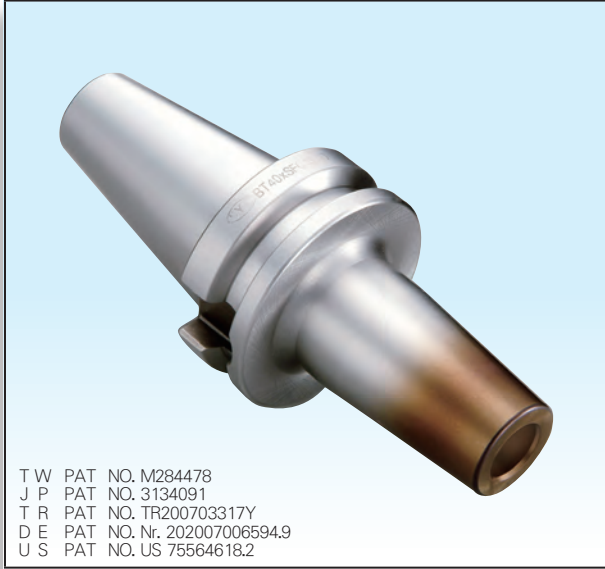
BT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

SYIC-19100

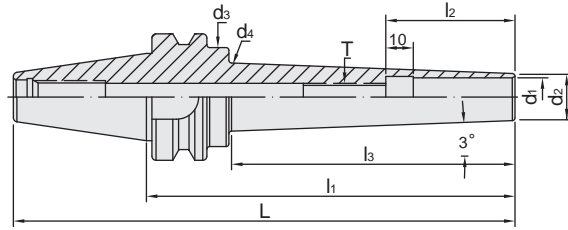
BT / SFC 熱膨脹刀桿



台灣精品 2009
TAIWAN EXCELLENCE



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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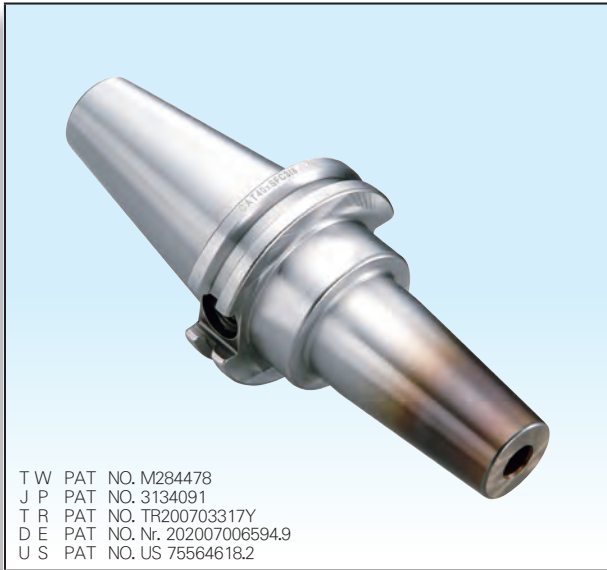
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)		
SYIC - 19162 - 135	BT50 x SFC4 - 135	236.8	20	86	10	26	19	-	18	3.56		
SYIC - 19164 - 135	BT50 x SFC5 - 135	236.8		86	11		20					
SYIC - 19165	BT50 x SFC5 - 165	266.8		115			23					
SYIC - 19165 - 200	BT50 x SFC5 - 200	301.8		157	-							
SYIC - 19166 - 135	BT50 x SFC6 - 135	236.8	36	86	12	21	M5 x 0.8P	35	3.62			
SYIC - 19167	BT50 x SFC6 - 165	266.8		116		24						
SYIC - 19167 - 200	BT50 x SFC6 - 200	301.8		157	-	-						
SYIC - 19168 - 135	BT50 x SFC8 - 135	236.8		86	14	23						
SYIC - 19169	BT50 x SFC8 - 165	266.8	116	26		M6 x 1.0P	35	3.74				
SYIC - 19169 - 200	BT50 x SFC8 - 200	301.8	151	29		4.02						
SYIC - 19170 - 135	BT50 x SFC10 - 135	236.8	42	86	16	25	M8 x 1.25P	65	3.68			
SYIC - 19171	BT50 x SFC10 - 165	266.8		116		28				4.02		
SYIC - 19171 - 200	BT50 x SFC10 - 200	301.8		151		31						
SYIC - 19172 - 135	BT50 x SFC12 - 135	236.8	47	86	18	27	M10 x 1.5P	110	3.77			
SYIC - 19173	BT50 x SFC12 - 165	266.8		116		30				4.07		
SYIC - 19173 - 200	BT50 x SFC12 - 200	301.8		150		33						
SYIC - 19174 - 135	BT50 x SFC14 - 135	236.8		86	20	29		36	M10 x 1.5P	150	3.81	
SYIC - 19175	BT50 x SFC14 - 165	266.8		116		32						4.16
SYIC - 19175 - 200	BT50 x SFC14 - 200	301.8		157		-						
SYIC - 19176 - 135	BT50 x SFC16 - 135	236.8	50	86	22	31	M12 x 1.75P	200	3.82			
SYIC - 19177	BT50 x SFC16 - 165	266.8		116		34				4.19		
SYIC - 19177 - 200	BT50 x SFC16 - 200	301.8		157	-	4.06						
SYIC - 19178 - 135	BT50 x SFC18 - 135	236.8		85	24			32	50	M12 x 1.75P	250	3.88
SYIC - 19179	BT50 x SFC18 - 165	266.8	122	-		4.30						
SYIC - 19179 - 200	BT50 x SFC18 - 200	301.8	157	-								
SYIC - 19180 - 135	BT50 x SFC20 - 135	236.8	52	86	26	35	M16 x 2.0P	320	3.86			
SYIC - 19181	BT50 x SFC20 - 165	266.8		117		-				4.03		
SYIC - 19181 - 200	BT50 x SFC20 - 200	301.8		152		-						
SYIC - 19182 - 135	BT50 x SFC25 - 135	236.8	58	86	31	40	M20 x 2.0P	500	4.03			
SYIC - 19183	BT50 x SFC25 - 165	266.8		116		43				4.30		
SYIC - 19183 - 200	BT50 x SFC25 - 200	301.8		150		46					4.67	
SYIC - 19184 - 135	BT50 x SFC32 - 135	236.8		86	47	550		4.18				
SYIC - 19185	BT50 x SFC32 - 165	266.8		122	38				-	4.56		
SYIC - 19185 - 200	BT50 x SFC32 - 200	301.8	157	-	5.01							

Option

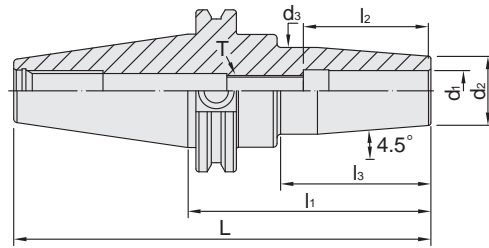
PULL STUD 	PRESET SCREW
P.J-2	P.J-59

SYIC-29000

CAT / SFC 熱膨脹刀桿



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INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 29002	CAT40 x SFC1/8" - 3.5"	6.187	0.79	1.75	0.36	0.63	M6 x 1.0P	18	1.03
SYIC - 29004	CAT40 x SFC1/8" - 5"	7.687		3.56		0.87	-		1.11
SYIC - 29006	CAT40 x SFC3/16" - 3.5"	6.187		1.75	0.43	0.70	M6 x 1.0P		1.04
SYIC - 29008	CAT40 x SFC3/16" - 5"	7.687		3.22		0.71	-		1.10
SYIC - 29010	CAT40 x SFC1/4" - 3"	5.687	1.42	1.56	0.71	0.94	M5 x 0.8P		1.09
SYIC - 29011	CAT40 x SFC1/4" - 3.5"	6.187		2.00		0.94			1.12
SYIC - 29013	CAT40 x SFC1/4" - 5"	7.687		3.12		1.06			1.29
SYIC - 29014	CAT40 x SFC1/4" - 6"	8.687		4.44		1.37			1.49
SYIC - 29016	CAT40 x SFC5/16" - 3.5"	6.187	1.42	2.06	0.79	1.06	M6 x 1.0P	35	1.14
SYIC - 29018	CAT40 x SFC5/16" - 5"	7.687		3.12		1.30			
SYIC - 29020	CAT40 x SFC3/8" - 3"	5.687	1.65	1.56	0.94	1.18	M8 x 1.25P	65	1.15
SYIC - 29021	CAT40 x SFC3/8" - 3.75"	6.437		2.31		1.26			1.24
SYIC - 29023	CAT40 x SFC3/8" - 5"	7.687		3.27		1.37			1.46
SYIC - 29024	CAT40 x SFC3/8" - 6"	8.687		4.44		1.37			1.66
SYIC - 29026	CAT40 x SFC1/2" - 3"	5.687	1.85	1.56	1.1	1.34	M10 x 1.5P	110	1.19
SYIC - 29027	CAT40 x SFC1/2" - 3.75"	6.437		2.31					1.30
SYIC - 29029	CAT40 x SFC1/2" - 5"	7.687		3.44		1.37			1.52
SYIC - 29030	CAT40 x SFC1/2" - 6"	8.687		4.35					1.68
SYIC - 29032	CAT40 x SFC5/8" - 3.75"	6.437	1.97	2.17	1.06	1.34	M12 x 1.75P	200	1.27
SYIC - 29034	CAT40 x SFC3/4" - 3"	5.687	2.04	1.62	1.42	1.65	M16 x 2.0P	320	1.24
SYIC - 29036	CAT40 x SFC3/4" - 4"	6.687		2.62					1.49
SYIC - 29037	CAT40 x SFC3/4" - 5"	7.687		3.44	1.26	1.37			1.48
SYIC - 29038	CAT40 x SFC3/4" - 6"	8.687		4.44					1.64
SYIC - 29040	CAT40 x SFC1" - 3"	5.687	2.09	1.62	1.81	2.09	M20 x 2.0P	500	1.34
SYIC - 29042	CAT40 x SFC1" - 4"	6.687	2.28	2.62					1.73
SYIC - 29044	CAT40 x SFC1" - 6"	8.687		4.54					2.51
SYIC - 29046	CAT40 x SFC1-1/4" - 4"	6.687	2.62	1.60					

Option

PULL STUD	PRESET SCREW
P.J-3	P.J-59



CAT / SFC SHRINK FIT CHUCK

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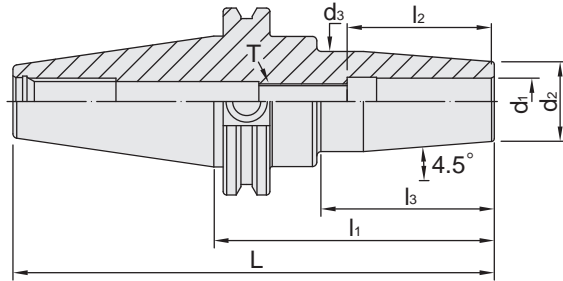
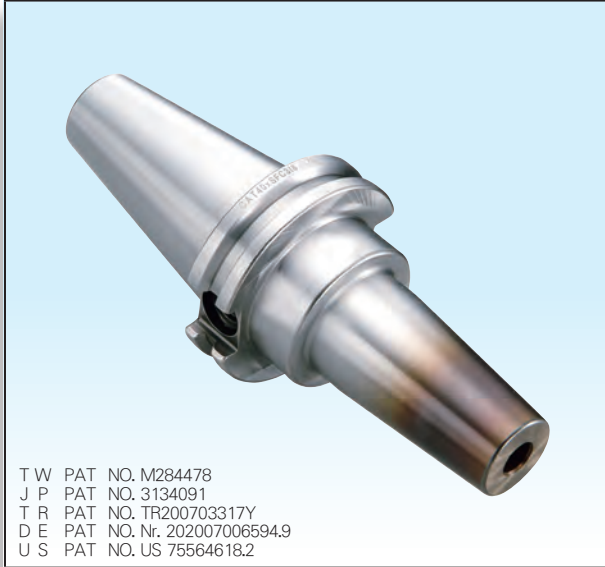
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SYIC-29050

CAT / SFC 熱膨脹刀桿



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

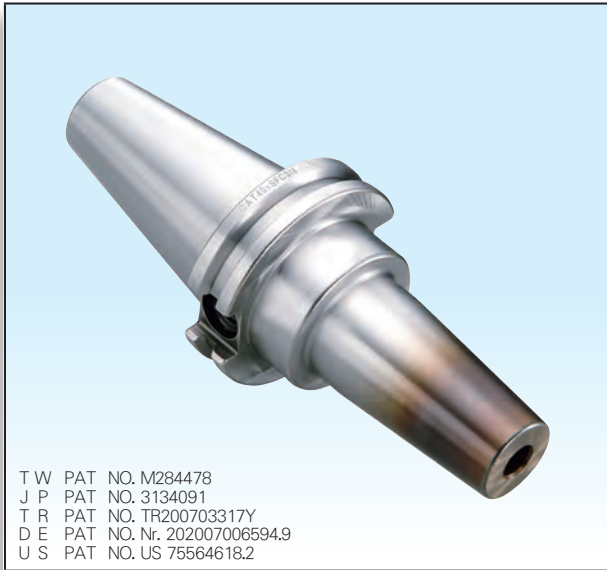
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 29052	CAT50 x SFC3/16" - 3.54"	7.54	0.79	1.98	0.43	0.74	M6 x 1.0P	18	3.04
SYIC - 29054	CAT50 x SFC1/4" - 3.54"		1.42		0.71	1.02	M5 x 0.8P		3.13
SYIC - 29056	CAT50 x SFC5/16" - 3.54"		2.04	0.79	1.06	M6 x 1.0P	35	3.15	
SYIC - 29058	CAT50 x SFC3/8" - 3.94"	7.94	1.65	2.36	0.94	1.26	M8 x 1.25P	65	3.27
SYIC - 29060	CAT50 x SFC1/2" - 3.94"		1.85		1.1	1.34	M10 x 1.5P	110	3.33
SYIC - 29062	CAT50 x SFC5/8" - 3.94"		1.97		1.06	M12 x 1.75P	200	3.29	
SYIC - 29064	CAT50 x SFC3/4" - 4.13"	8.13	2.04	2.71	1.42	1.65	M16 x 2.0P	320	3.52
SYIC - 29066	CAT50 x SFC3/4" - 6"	10		3.91					4.03
SYIC - 29068	CAT50 x SFC1" - 4.13"	8.13	2.28	2.71	1.81	2.09	M20 x 2.0P	500	3.81
SYIC - 29070	CAT50 x SFC1" - 6"	10		4.12					4.56
SYIC - 29072	CAT50 x SFC1-1/4" - 4.13"	8.13		2.63					3.68
SYIC - 29074	CAT50 x SFC1-1/4" - 4.72"	8.72		3.22					3.90
SYIC - 29076	CAT50 x SFC1-1/4" - 6"	10		4.12					4.43

Option

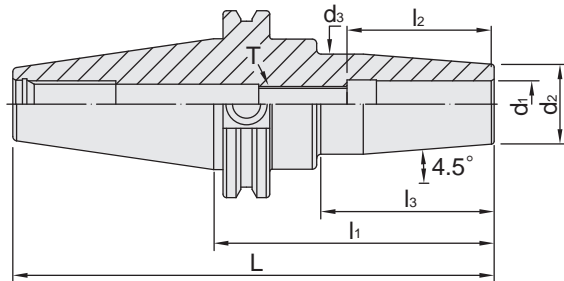
PULL STUD	PRESET SCREW
 P.J-3	 P.J-59

SYIC-29200

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

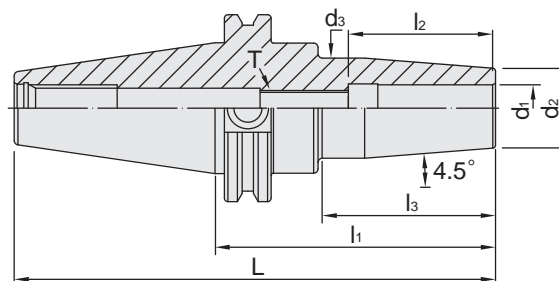
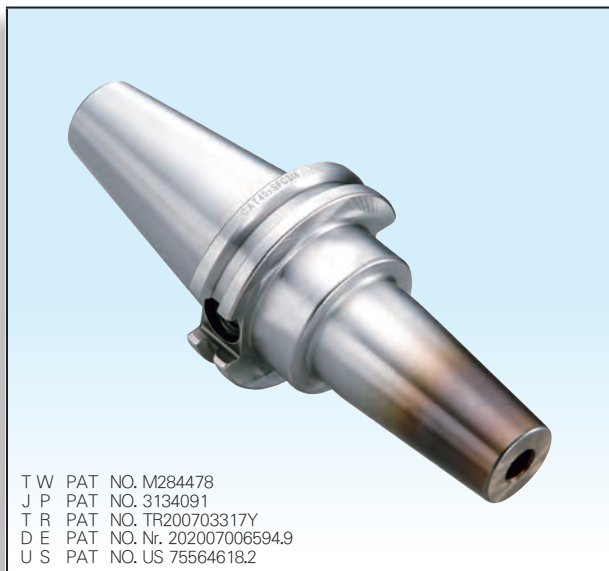
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 29202	CAT40 x SFC3 - 100	168.249	18	55	9	17.7	M6 x 1.0P	18	1.04
SYIC - 29204	CAT40 x SFC4 - 100	168.249	20	55	10	18.7			1.06
SYIC - 29206	CAT40 x SFC5 - 100	168.249		60	16	22			1.12
SYIC - 29208	CAT40 x SFC6 - 100	168.249	36	54	21	27	M5 x 0.8P	1.23	
SYIC - 29210	CAT40 x SFC6 - 150	218.249		104			1.39		
SYIC - 29212	CAT40 x SFC8 - 100	168.249		54			M6 x 1.0P	35	1.22
SYIC - 29214	CAT40 x SFC8 - 150	218.249	42	104	24	32	M8 x 1.25P	1.39	
SYIC - 29216	CAT40 x SFC10 - 100	168.249		56				1.28	
SYIC - 29218	CAT40 x SFC10 - 150	218.249		106				1.53	
SYIC - 29220	CAT40 x SFC12 - 100	168.249	47	59	27	34	M10 x 1.5P	110	1.27
SYIC - 29222	CAT40 x SFC12 - 150	218.249		104				1.52	
SYIC - 29224	CAT40 x SFC14 - 95.3	163.549		59				150	1.27
SYIC - 29226	CAT40 x SFC14 - 100	168.249	50	59	33	42	M12 x 1.75P	200	1.31
SYIC - 29228	CAT40 x SFC14 - 152.4	220.649		112					1.62
SYIC - 29230	CAT40 x SFC16 - 95.3	163.549		54					1.25
SYIC - 29232	CAT40 x SFC16 - 100	168.249	52	59	39	M16 x 2.0P	320	1.28	
SYIC - 29234	CAT40 x SFC16 - 160	228.249		119				1.64	
SYIC - 29236	CAT40 x SFC18 - 100	168.249		63				1.43	
SYIC - 29238	CAT40 x SFC20 - 80	148.249	42	1.20					

Option

PULL STUD	PRESET SCREW
P.J-3	P.J-59

SYIC-29250

CAT / SFC 熱膨脹刀桿



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

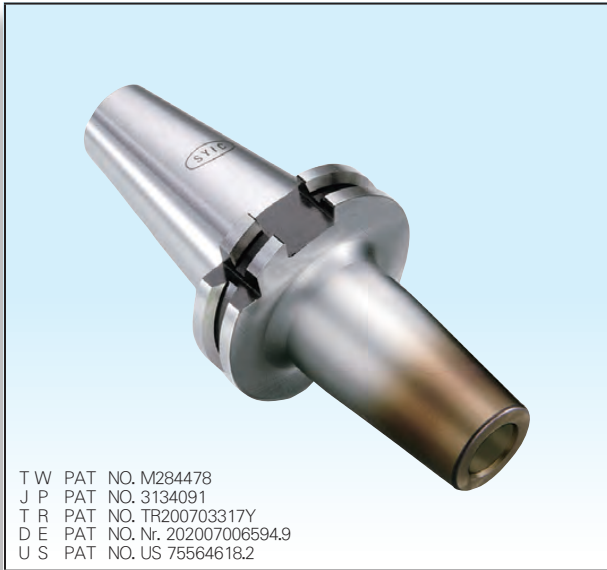
MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 29252	CAT50 x SFC6 - 100	201.6	36	62	21	27	M5 x 0.8P	18	3.21
SYIC - 29254	CAT50 x SFC6 - 150	251.6		101					3.42
SYIC - 29256	CAT50 x SFC8 - 100	201.6		60			M6 x 1.0P	35	3.21
SYIC - 29258	CAT50 x SFC8 - 150	251.6		101					3.41
SYIC - 29260	CAT50 x SFC10 - 100	201.6	42	60	24	32	M8 x 1.25P	65	3.27
SYIC - 29262	CAT50 x SFC10 - 150	251.6		91					3.74
SYIC - 29264	CAT50 x SFC12 - 100	201.6	47	62	27	34	M10 x 1.5P	110	3.26
SYIC - 29266	CAT50 x SFC12 - 150	251.6		91					3.71
SYIC - 29268	CAT50 x SFC14 - 100	201.6		62			M12 x 1.75P	200	3.31
SYIC - 29270	CAT50 x SFC14 - 150	251.6		92					3.79
SYIC - 29272	CAT50 x SFC16 - 100	201.6	50	62	33	42	M16 x 2.0P	320	3.29
SYIC - 29274	CAT50 x SFC16 - 160	261.6		102					3.83
SYIC - 29276	CAT50 x SFC18 - 100	201.6	52	62	44	53	M20 x 2.0P	500	3.45
SYIC - 29278	CAT50 x SFC20 - 80	181.6		35					3.26
SYIC - 29280	CAT50 x SFC25 - 100	201.6	58	62				550	3.69
SYIC - 29282	CAT50 x SFC32 - 100	201.6		62					3.55

Option

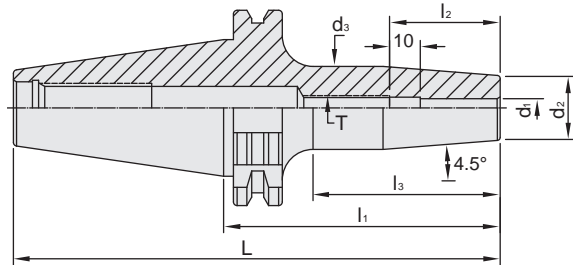
PULL STUD	PRESET SCREW
P.J-3	P.J-59

SYIC-49100

DAT / SFC 熱膨脹刀桿



TW PAT NO. M284478
 JP PAT NO. 3134091
 TR PAT NO. TR200703317Y
 DE PAT NO. Nr. 202007006594.9
 US PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 49100	DAT30 x SFC3 - 80	127.8	18	51	9	17.135	M6 x 1.0P	18	0.43
SYIC - 49102	DAT30 x SFC4 - 80		20	51	10	18.135			0.44
SYIC - 49104	DAT30 x SFC5 - 80		16	22	0.49				
SYIC - 49106	DAT30 x SFC6 - 80		21	27	M5 x 0.8P	0.58			
SYIC - 49108	DAT30 x SFC8 - 80		24	32	M6 x 1.0P	0.58			
SYIC - 49110	DAT30 x SFC10 - 80		27	34	M8 x 1.25P	0.64			
SYIC - 49112	DAT30 x SFC12 - 80		27	34	M10 x 1.5P	0.62			
SYIC - 49114	DAT30 x SFC14 - 80		27	34	M10 x 1.5P	0.67			
SYIC - 49116	DAT30 x SFC16 - 80		27	34	M12 x 1.75P	0.64			
SYIC - 49118	DAT30 x SFC18 - 90		50	69	33	42	M12 x 1.75P	250	0.88
SYIC - 49120	DAT30 x SFC20 - 90	137.8	52	68	44	52	M16 x 2.0P	320	0.84
SYIC - 49122	DAT30 x SFC25 - 90		58	55	44	52	M20 x 2.0P	500	1.07
SYIC - 49130	DAT40 x SFC3 - 90	158.4	18	65	9	18	M6 x 1.0P	18	0.86
SYIC - 49132	DAT40 x SFC4 - 90		20		10	0.87			
SYIC - 49134	DAT40 x SFC5 - 90		16		22	0.96			
SYIC - 49136	DAT40 x SFC6 - 90		21	27	M5 x 0.8P	1.05			
SYIC - 49138	DAT40 x SFC8 - 90		24	32	M6 x 1.0P	1.05			
SYIC - 49140	DAT40 x SFC10 - 90		24	32	M8 x 1.25P	1.14			
SYIC - 49142	DAT40 x SFC12 - 90		27	34	M10 x 1.5P	1.12			
SYIC - 49144	DAT40 x SFC14 - 90		27	34	M10 x 1.5P	1.16			
SYIC - 49146	DAT40 x SFC16 - 90		27	34	M12 x 1.75P	1.14			
SYIC - 49148	DAT40 x SFC18 - 100		50	79	33	42	M12 x 1.75P	250	1.41
SYIC - 49150	DAT40 x SFC20 - 100	168.4	52	79	33	42	M16 x 2.0P	320	1.37
SYIC - 49152	DAT40 x SFC25 - 100		58	65	44	53	M20 x 2.0P	500	1.65
SYIC - 49154	DAT40 x SFC32 - 100		58	65	44	53	M20 x 2.0P	550	1.51

Option

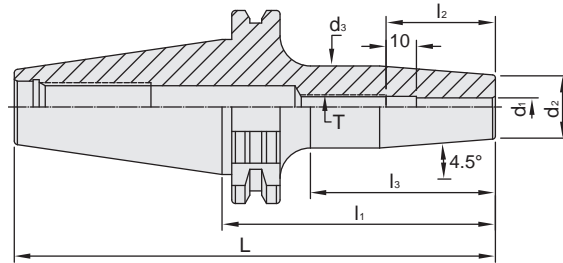
PULL STUD	PRESET SCREW
P.J-4	P.J-59



DAT / SFC SHRINK FIT CHUCK

SYIC-49100

DAT / SFC 熱膨脹刀桿



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 49160	DAT50 x SFC3 - 100	201.75	18	71	9	20.283	M6 x 1.0P	18	2.65
SYIC - 49162	DAT50 x SFC4 - 100		20	71	10	20			2.67
SYIC - 49164	DAT50 x SFC5 - 100		16	22	2.73				
SYIC - 49166	DAT50 x SFC6 - 100		36	70	21	27	M5 x 0.8P	2.86	
SYIC - 49168	DAT50 x SFC8 - 100		42		24	32	M6 x 1.0P	35	2.86
SYIC - 49170	DAT50 x SFC10 - 100		47		27	34	M8 x 1.25P	65	2.95
SYIC - 49172	DAT50 x SFC12 - 100		50		33	42	M10 x 1.5P	110	2.94
SYIC - 49174	DAT50 x SFC14 - 100							150	2.97
SYIC - 49176	DAT50 x SFC16 - 100							200	2.97
SYIC - 49178	DAT50 x SFC18 - 100		52		33	42	M12 x 1.75P	250	3.17
SYIC - 49180	DAT50 x SFC20 - 100	320		3.13					
SYIC - 49182	DAT50 x SFC25 - 110	211.75		58				85	44
SYIC - 49184	DAT50 x SFC32 - 110		550		3.5				

Option

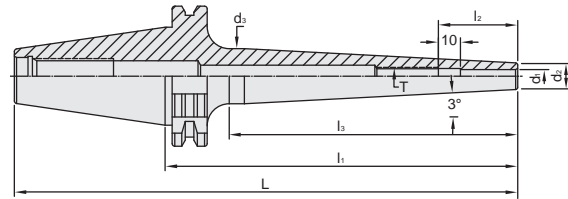
PULL STUD	PRESET SCREW
P.J-4	P.J-59

SYIC-49100

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)				
SYIC - 49101	DAT30 x SFC3 - 120	167.8	18	90	9	18	-	18	0.47				
SYIC - 49103	DAT30 x SFC4 - 120		20		10					0.49			
SYIC - 49105	DAT30 x SFC5 - 120		36	95	11	20			M5 x 0.8P		0.50		
SYIC - 49107	DAT30 x SFC6 - 120				12					0.52			
SYIC - 49109	DAT30 x SFC8 - 120		42	80	14	24	M6 x 1.0P	35	0.56				
SYIC - 49111	DAT30 x SFC10 - 120				16					26	M8 x 1.25P	65	0.60
SYIC - 49113	DAT30 x SFC12 - 120				18								
SYIC - 49115	DTA30 x SFC14 - 120		20	30	M12 x 1.75P	150	0.68						
SYIC - 49117	DAT30 x SFC16 - 120		50					95	22	32	200	0.72	
SYIC - 49119	DAT30 x SFC18 - 120			24	250	0.75							
SYIC - 49121	DAT30 x SFC20 - 120		52	98			26	35	M16 x 2.0P	320	0.79		
SYIC - 49123	DAT30 x SFC25 - 120		58		31	40	M20 x 2.0P					500	0.86

Option

PULL STUD	PRESET SCREW
P.J-4	P.J-59



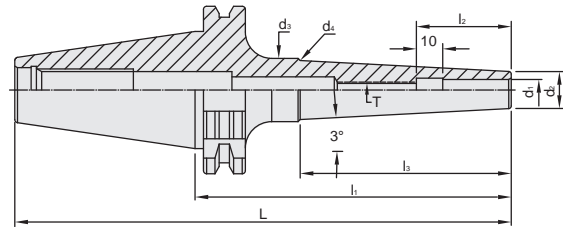
DAT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

SYIC-49100

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R.).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)						
SYIC - 49130 - 120	DAT40 x SFC3 - 120	188.4	18	90	9	18			18	0.90						
SYIC - 49131	DAT40 x SFC3 - 160	228.4		130		20				0.98						
SYIC - 49132 - 120	DAT40 x SFC4 - 120	188.4	20	90	10	18				-		0.92				
SYIC - 49133	DAT40 x SFC4 - 160	228.4		130		18						0.99				
SYIC - 49134 - 120	DAT40 x SFC5 - 120	188.4		90	11	20						0.94				
SYIC - 49135	DAT40 x SFC5 - 160	228.4		135		25						1.04				
SYIC - 49136 - 120	DAT40 x SFC6 - 120	188.4	36	90	12	20						M5 x 0.8P		0.95		
SYIC - 49137	DAT40 x SFC6 - 160	228.4		130		25								1.06		
SYIC - 49138 - 120	DAT40 x SFC8 - 120	188.4	36	80	14	24								M6 x 1.0P	35	1.00
SYIC - 49139	DAT40 x SFC8 - 160	228.4		119		29										26
SYIC - 49140 - 120	DAT40 x SFC10 - 120	188.4	42	80	16	26	M8 x 1.25P	65	1.02							
SYIC - 49141	DAT40 x SFC10 - 160	228.4		119		31			28					1.18		
SYIC - 49142 - 120	DAT40 x SFC12 - 120	188.4	47	80	18	28	M10 x 1.5P	110	1.06							
SYIC - 49143	DAT40 x SFC12 - 160	228.4		119		33			30	1.25						
SYIC - 49144 - 120	DAT40 x SFC14 - 120	188.4		80	20	30			28	150	1.10					
SYIC - 49145	DAT40 x SFC14 - 160	228.4		119		35			32		1.33					
SYIC - 49146 - 120	DAT40 x SFC16 - 120	188.4	50	80	22	32	M12 x 1.75P	200	1.15							
SYIC - 49147	DAT40 x SFC16 - 160	228.4		119		37			34		1.40					
SYIC - 49148 - 120	DAT40 x SFC18 - 120	188.4		90	24	32			-	250	1.18					
SYIC - 49149	DAT40 x SFC18 - 160	228.4		119		39			36		1.49					
SYIC - 49150 - 120	DAT40 x SFC20 - 120	188.4	52	90	26	35	M16 x 2.0P	320	1.22							
SYIC - 49151	DAT40 x SFC20 - 160	228.4		130		39			-		1.54					
SYIC - 49152 - 120	DAT40 x SFC25 - 120	188.4	58	95	31	40			M20 x 2.0P	500	1.35					
SYIC - 49153	DAT40 x SFC25 - 160	228.4		135		45					-	1.72				
SYIC - 49154 - 120	DAT40 x SFC32 - 120	188.4		79	38	49	46	550			1.52					
SYIC - 49155	DAT40 x SFC32 - 160	228.4		135		49	-				2.04					

Option

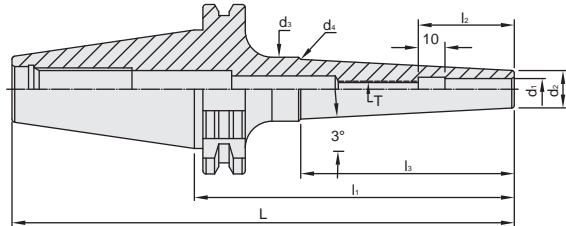
PULL STUD	PRESET SCREW
P.J-4	P.J-59

SYIC-49100

DAT / SFC 熱膨脹刀桿



TW PAT NO. M284478
JP PAT NO. 3134091
TR PAT NO. TR200703317Y
DE PAT NO. Nr. 202007006594.9
US PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

- For center coolant (DIN 69871-AD).
- 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.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)			
SYIC - 49166 - 135	DAT50 x SFC6 - 135	236.75	36	105	12	22	-	M5 x 0.8P	18	2.76			
SYIC - 49167	DAT50 x SFC6 - 160	261.75		130		25				2.85			
SYIC - 49168 - 135	DAT50 x SFC8 - 135	236.75		105	14	26				25	M6 x 1.0P	35	2.79
SYIC - 49169	DAT50 x SFC8 - 160	261.75		130		29							2.89
SYIC - 49170 - 135	DAT50 x SFC10 - 135	236.75	42	105	16	28	M8 x 1.25P	65	2.83				
SYIC - 49171	DAT50 x SFC10 - 160	261.75	130	31		29			2.95				
SYIC - 49172 - 135	DAT50 x SFC12 - 135	236.75	47	105	18	30			M10 x 1.5P	110	2.87		
SYIC - 49173	DAT50 x SFC12 - 160	261.75		130		33					2.99		
SYIC - 49174 - 135	DAT50 x SFC14 - 135	236.75		105	20	32	31	150			2.92		
SYIC - 49175	DAT50 x SFC14 - 160	261.75		130		35					3.07		
SYIC - 49176 - 135	DAT50 x SFC16 - 135	236.75	50	105	22	34			M12 x 1.75P	200	2.96		
SYIC - 49177	DAT50 x SFC16 - 160	261.75		130		37					35	3.11	
SYIC - 49178 - 135	DAT50 x SFC18 - 135	236.75		105	24	34	-	250			3.02		
SYIC - 49179	DAT50 x SFC18 - 160	261.75		119		39					36	3.22	
SYIC - 49180 - 135	DAT50 x SFC20 - 135	236.75	52	105	26	36			M16 x 2.0P	320	3.01		
SYIC - 49181	DAT50 x SFC20 - 160	261.75		130		35					-	3.12	
SYIC - 49182 - 135	DAT50 x SFC25 - 135	236.75	58	110	31	42	M20 x 2.0P	500			3.15		
SYIC - 49183	DAT50 x SFC25 - 160	261.75		118		49					43	3.44	
SYIC - 49184 - 135	DAT50 x SFC32 - 135	236.75		105	38	50			49	550	3.42		
SYIC - 49185	DAT50 x SFC32 - 160	261.75		125		49					-	3.71	

Option

PULL STUD	PRESET SCREW
P.J-4	P.J-59



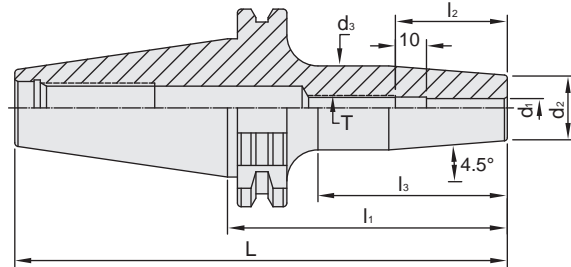
DAT / SFC SHRINK FIT CHUCK

SYIC-49050

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 49052	DAT30 x SFC3/16" - 3.15"	5.03	0.79	2.03	0.43	0.74	M6 x 1.0P	18	0.45	
SYIC - 49054	DAT30 x SFC1/4" - 3.15"		1.42	2.33	0.71	1.06	M5 x 0.8P		0.54	
SYIC - 49056	DAT30 x SFC5/16" - 3.15"				0.79		M6 x 1.0P	0.56		
SYIC - 49060	DAT30 x SFC3/8" - 3.15"		1.65	2.27	0.94	1.26	M8 x 1.25P	65	0.64	
SYIC - 49062	DAT30 x SFC1/2" - 3.15"		1.85	2.33	1.1	1.34	M10 x 1.5P	110	0.69	
SYIC - 49063	DAT30 x SFC5/8" - 3.15"				1.06		M12 x 1.75P	200	0.64	
SYIC - 49064	DAT30 x SFC3/4" - 3.15"				1.97	1.42	1.65	M16 x 2.0P	320	0.82
SYIC - 49066	DAT30 x SFC1" - 3.15"					M20 x 2.0P	500	0.70		
SYIC - 49068	DAT40 x SFC3/16" - 3.54"	6.24	0.79	2.42	0.43	0.81	M6 x 1.0P	18	0.89	
SYIC - 49070	DAT40 x SFC1/4" - 3.54"		1.42	2.73	0.71	1.06	M5 x 0.8P		1.00	
SYIC - 49072	DAT40 x SFC5/16" - 3.54"				0.79		M6 x 1.0P	1.02		
SYIC - 49074	DAT40 x SFC3/8" - 3.54"		1.53	0.94	1.26	M8 x 1.25P	65	1.12		
SYIC - 49076	DAT40 x SFC1/2" - 3.54"		1.85	2.73	1.1	1.34	M10 x 1.5P	110	1.18	
SYIC - 49077	DAT40 x SFC5/8" - 3.54"				1.06		M12 x 1.75P	200	1.14	
SYIC - 49078	DAT40 x SFC3/4" - 3.54"		1.97	1.42	1.65	M16 x 2.0P	320	1.35		
SYIC - 49080	DAT40 x SFC1" - 3.54"			M20 x 2.0P	500	1.24				
SYIC - 49082	DAT50 x SFC3/16" - 3.94"	7.94	0.79	3.00	0.43	0.89	M6 x 1.0P	18	2.66	
SYIC - 49084	DAT50 x SFC1/4" - 3.94"		1.42	2.98	0.71	1.06	M5 x 0.8P		2.82	
SYIC - 49086	DAT50 x SFC5/16" - 3.94"				0.79		M6 x 1.0P	35	2.84	
SYIC - 49088	DAT50 x SFC3/8" - 3.94"		1.53	0.94	1.26	M8 x 1.25P	65	2.96		
SYIC - 49090	DAT50 x SFC1/2" - 3.94"		1.85	2.98	1.1	1.34	M10 x 1.5P	110	2.98	
SYIC - 49091	DAT50 x SFC5/8" - 3.94"				1.06		M12 x 1.75P	200	2.93	
SYIC - 49092	DAT50 x SFC3/4" - 3.94"		1.97	1.42	1.65	M16 x 2.0P	320	3.19		
SYIC - 49094	DAT50 x SFC1" - 3.94"			M20 x 2.0P	500	3.08				

Option

PULL STUD	PRESET SCREW
 P.J-4	 P.J-59



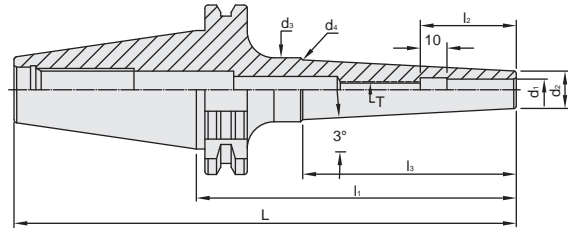
DAT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

SYIC-49050

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 49053	DAT30 x SFC3/16" - 4.72"	6.61	0.79	3.54	0.43	0.87	0.79	-	18	0.49
SYIC - 49055	DAT30 x SFC1/4" - 4.72"		1.42	3.47	0.49	1.06	0.85	M5 x 0.8P		0.55
SYIC - 49057	DAT30 x SFC5/16" - 4.72"		3.50	0.55	1.06	0.91	M6 x 1.0P	35	0.57	
SYIC - 49061	DAT30 x SFC3/8" - 4.72"		1.53	3.43	0.61	1.26	0.97	M8 x 1.25P	65	0.61
SYIC - 49062 - 4.72	DAT30 x SFC1/2" - 4.72"		1.85	3.45	0.74	1.34	1.09	M10 x 1.5P	110	0.67
SYIC - 49063 - 4.72	DAT30 x SFC5/8" - 4.72"		1.97	3.52	0.86		1.23	M12 x 1.75P	200	0.72
SYIC - 49065	DAT30 x SFC3/4" - 4.72"		1.97	3.54	0.99	1.65	1.35	M16 x 2.0P	320	0.80
SYIC - 49067	DAT30 x SFC1" - 4.72"			3.55	1.24	1.65	1.61	M20 x 2.0P	500	0.92
SYIC - 49068 - 4.72	DAT40 x SFC3/16" - 4.72"	7.42	0.79	3.77	0.43	0.71	-	-	18	0.91
SYIC - 49069	DAT40 x SFC3/16" - 6.29"	8.99		5.35		0.78				1.00
SYIC - 49070 - 4.72	DAT40 x SFC1/4" - 4.72"	7.42	1.42	3.77	0.49	0.79	-	M5 x 0.8P		0.95
SYIC - 49071	DAT40 x SFC1/4" - 6.29"	8.99		5.35		0.98				1.09
SYIC - 49072 - 4.72	DAT40 x SFC5/16" - 4.72"	7.42	1.42	3.56	0.55	0.94	0.92	M6 x 1.0P	35	0.99
SYIC - 49073	DAT40 x SFC5/16" - 6.29"	8.99		5.12		1.14	1.08		1.15	
SYIC - 49074 - 4.72	DAT40 x SFC3/8" - 4.72"	7.42	1.53	3.55	0.61	1.02	0.98	M8x 1.25P	65	1.02
SYIC - 49075	DAT40 x SFC3/8" - 6.29"	8.99		5.11		1.22	1.15		1.20	
SYIC - 49076 - 4.72	DAT40 x SFC1/2" - 4.72"	7.42	1.85	3.77	0.74	1.1	-	M10 x 1.5P	110	1.05
SYIC - 49076 - 6.29	DAT40 x SFC1/2" - 6.29"	8.99		5.12		1.27	1.26			
SYIC - 49077 - 4.72	DAT40 x SFC5/8" - 4.72"	7.42	1.97	3.52	0.86	1.34	1.23	M12 x 1.75P	200	1.13
SYIC - 49077 - 6.29	DAT40 x SFC5/8" - 6.29"	8.99		5.51						1.36
SYIC - 49078 - 4.72	DAT40 x SFC3/4" - 4.72"	7.42	1.97	3.77	0.99	1.38	-	M16 x 2.0P	320	1.19
SYIC - 49079	DAT40 x SFC3/4" - 6.29"	8.99		5.35		1.53			1.49	
SYIC - 49080 - 4.72	DAT40 x SFC1" - 4.72"	7.42	2.04	3.77	1.24	1.57	-	M20 x 2.0P	500	1.32
SYIC - 49081	DAT40 x SFC1" - 6.29"	8.99		5.35		1.77			1.76	

Option

PULL STUD	PRESET SCREW
P.J-4	P.J-59



DAT / SFC SHRINK FIT CHUCK LENGTHENED TYPE

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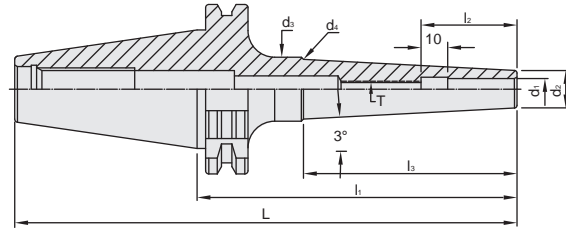
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SYIC-49050

DAT / SFC 熱膨脹刀桿



- High rigidity.
- Best runout (T.I.R).
- Slim design.
- Easy operation.
- For center coolant (DIN 69871-AD).
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 49083	DAT50 x SFC3/16" - 6.29"	10.3	0.79	5.35	0.43	0.78	-	-	-	2.75
SYIC - 49084 - 5.31	DAT50 x SFC1/4" - 5.31"	9.32	1.42	4.36	0.49	0.86	-	M5 x 0.8P	18	2.75
SYIC - 49085	DAT50 x SFC1/4" - 6.29"	10.3		5.35		0.98				2.84
SYIC - 49086 - 5.31	DAT50 x SFC5/16" - 5.31"	9.32		4.14	0.55	1.02		0.98		M6 x 1.0P
SYIC - 49087	DAT50 x SFC5/16" - 6.29"	10.3	5.12	1.14		1.08	2.86			
SYIC - 49088 - 5.31	DAT50 x SFC3/8" - 5.31"	9.32	1.53	4.14	0.61	1.1	1.04	M8 x 1.25P	65	2.85
SYIC - 49089	DAT50 x SFC3/8" - 6.29"	10.3		5.11		1.22				1.15
SYIC - 49090 - 5.31	DAT50 x SFC1/2" - 5.31"	9.32	1.85	4.36	0.74	1.18	-	M10 x 1.5P	110	2.92
SYIC - 49090 - 6.29	DAT50 x SFC1/2" - 6.29"	10.3		5.12		1.34				1.27
SYIC - 49091 - 5.31	DAT50 x SFC5/8" - 5.31"	9.32	1.97	4.15	0.86	1.34	1.3	M12 x 1.75P	200	2.94
SYIC - 49091 - 6.29	DAT50 x SFC5/8" - 6.29"	10.3		5.35						3.10
SYIC - 49092 - 5.31	DAT50 x SFC3/4" - 5.31"	9.32	1.97	4.36	0.99	1.42	-	M16 x 2.0P	320	3.05
SYIC - 49093	DAT50 x SFC3/4" - 6.29"	10.3		5.35		1.53				3.24
SYIC - 49094 - 5.31	DAT50 x SFC1" - 5.31"	9.32	2.04	4.36	1.24	1.65	-	M20 x 2.0P	500	3.17
SYIC - 49095	DAT50 x SFC1" - 6.29"	10.3		5.07		1.93				1.77

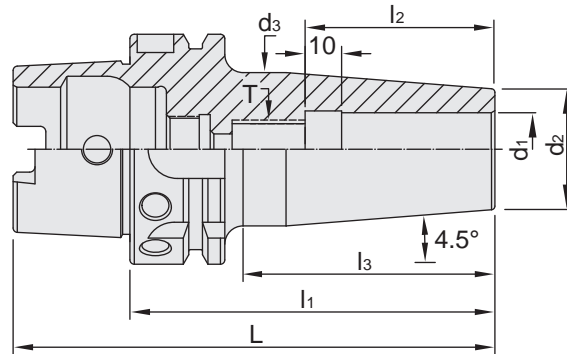
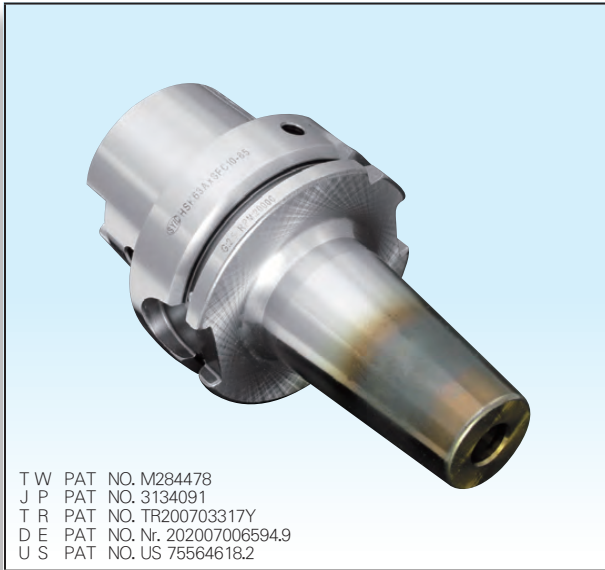
Option

PULL STUD	PRESET SCREW
<p>P.J-4</p>	<p>P.J-59</p>

SYIC-39080

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39082	HSK40A x SFC3 - 80	100	18	55	9	17.7	-	18	0.25
SYIC - 39084	HSK40A x SFC4 - 80		20		10	18.7			
SYIC - 39086	HSK40A x SFC5 - 80		16		22				
SYIC - 39088	HSK40A x SFC6 - 80		36	21	27	M5 x 0.8P	0.41		
SYIC - 39090	HSK40A x SFC8 - 80		21	27	M6 x 1.0P	35	0.40		
SYIC - 39092	HSK40A x SFC10 - 85	105	42	64	24	32	M8 x 1.25P	65	0.49
SYIC - 39094	HSK40A x SFC12 - 90	110	47	69	27	34	M10 x 1.5P	110	0.50
SYIC - 39096	HSK40A x SFC14 - 90							150	0.56
SYIC - 39098	HSK40A x SFC16 - 90							200	0.53
SYIC - 39100	HSK50A x SFC3 - 80							18	9
SYIC - 39102	HSK50A x SFC4 - 80	20	10	17.7	0.44				
SYIC - 39104	HSK50A x SFC5 - 80	105	16	22	0.50				
SYIC - 39106	HSK50A x SFC6 - 80	36	21	27	M5 x 0.8P	0.58			
SYIC - 39108	HSK50A x SFC8 - 80	21	27	M6 x 1.0P	35	0.57			
SYIC - 39110	HSK50A x SFC10 - 85	110	42	54	24	32	M8 x 1.25P	65	0.65
SYIC - 39112	HSK50A x SFC12 - 90	115	47	59	27	34	M10 x 1.5P	110	0.66
SYIC - 39114	HSK50A x SFC14 - 90							150	0.65
SYIC - 39116	HSK50A x SFC16 - 95	120	50	64	27	34	M12 x 1.75P	200	0.72
SYIC - 39118	HSK50A x SFC18 - 95		52	67	33	42		250	0.89
SYIC - 39120	HSK50A x SFC20 - 100		73	73	33	42		M16 x 2.0P	320
SYIC - 39122	HSK50A x SFC25 - 115	140	47	88	44	53	M20 x 2.0P	550	1.39

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE A LENGTHENED TYPE

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SYIC-39080

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1

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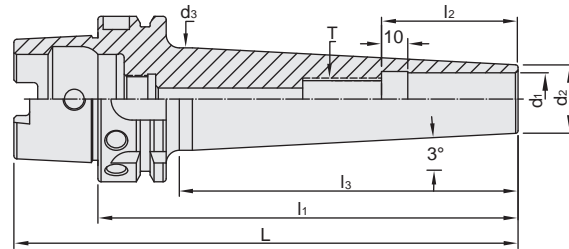
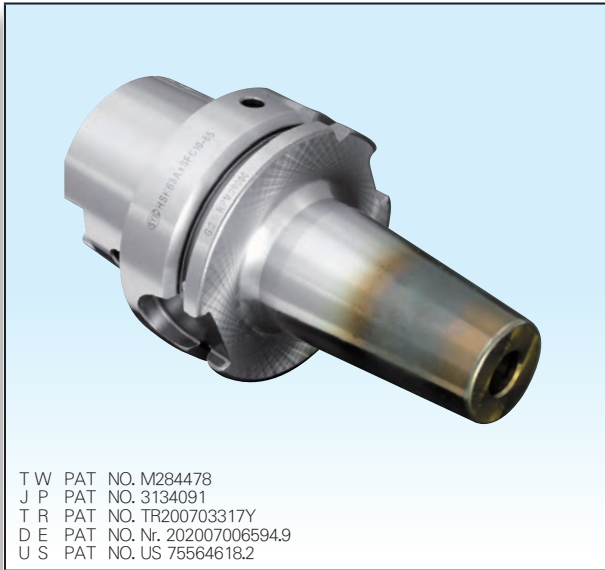
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- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- Every tool holder reaches the standard of G2.5 25,000 rpm, with an inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39082 - 120	HSK40A x SFC3 - 120	140	18	95	9	18	-	18	0.30
SYIC - 39084 - 120	HSK40A x SFC4 - 120		20		10	18			
SYIC - 39086 - 120	HSK40A x SFC5 - 120		11		20				
SYIC - 39088 - 120	HSK40A x SFC6 - 120		12		M5 x 0.8P	0.35			
SYIC - 39090 - 120	HSK40A x SFC8 - 120		36	14	24	M6 x 1.0P	35	0.40	
SYIC - 39092 - 120	HSK40A x SFC10 - 120		42	16	26	M8 x 1.25P	65	0.44	
SYIC - 39094 - 120	HSK40A x SFC12 - 120		47	18	28	M10 x 1.5P	110	0.47	
SYIC - 39100 - 120	HSK50A x SFC3 - 120	145	18	89	9	18	-	18	0.49
SYIC - 39102 - 120	HSK50A x SFC4 - 120		20		10	18			
SYIC - 39104 - 120	HSK50A x SFC5 - 120		11		20				
SYIC - 39106 - 120	HSK50A x SFC6 - 120		12		M5 x 0.8P	0.53			
SYIC - 39108 - 120	HSK50A x SFC8 - 120		36	14	24	M6 x 1.0P	35	0.57	
SYIC - 39110 - 120	HSK50A x SFC10 - 120		42	16	26	M8 x 1.25P	65	0.60	
SYIC - 39112 - 120	HSK50A x SFC12 - 120		83	18	28	M10 x 1.5P	110	0.64	
SYIC - 39114 - 120	HSK50A x SFC14 - 120			20	30				150
SYIC - 39116 - 120	HSK50A x SFC16 - 120			50	22	32	M12 x 1.75P	200	0.71
SYIC - 39118 - 120	HSK50A x SFC18 - 120			52	89	24			
SYIC - 39121	HSK50A x SFC20 - 160	185	129	26	35	M16 x 2.0P	320	1.07	
SYIC - 39123	HSK50A x SFC25 - 160		47	132	31	40	M20 x 2.0P	500	1.26

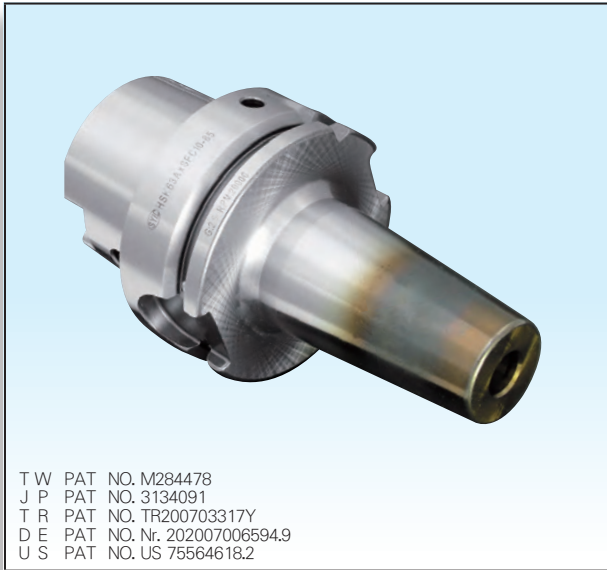
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59

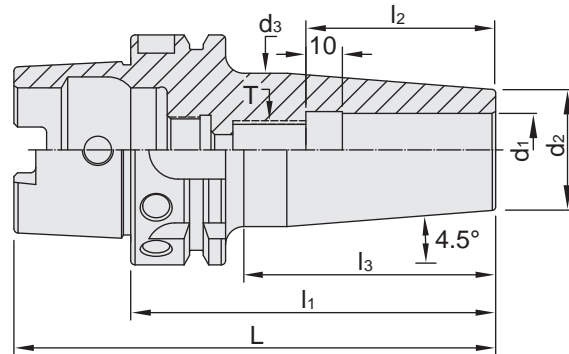
SYIC-39130

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE $d_1 - l_1$	L	l_2	l_3	d_2	d_3	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39130	HSK63A x SFC3 - 80	112	18	40	9	18	M6 x 1.0P	18	0.69
SYIC - 39132	HSK63A x SFC4 - 80		20	44	10	17.049			0.70
SYIC - 39134	HSK63A x SFC5 - 80		20	44	16	22			0.76
SYIC - 39136	HSK63A x SFC6 - 80		36	51	21	27	M5 x 0.8P	0.83	
SYIC - 39138	HSK63A x SFC8 - 80	117	42	54	24	32	M6 x 1.0P	35	0.83
SYIC - 39140	HSK63A x SFC10 - 85						65	0.91	
SYIC - 39142	HSK63A x SFC12 - 90	122	47	59	27	34	M10 x 1.5P	110	0.92
SYIC - 39144	HSK63A x SFC14 - 90						150	0.97	
SYIC - 39146	HSK63A x SFC16 - 95	127	50	64	33	42	M12 x 1.75P	200	0.98
SYIC - 39148	HSK63A x SFC18 - 95						250	1.15	
SYIC - 39150	HSK63A x SFC20 - 100	132	52	69	44	53	M16 x 2.0P	320	1.17
SYIC - 39152	HSK63A x SFC25 - 115	147	58	88			500	1.74	
SYIC - 39154	HSK63A x SFC32 - 120	152	58	93	21	27	M20 x 2.0P	550	1.67
SYIC - 39183	HSK100A x SFC6 - 85	135	36	46			M5 x 0.8P	18	2.21
SYIC - 39184	HSK100A x SFC8 - 85				M6 x 1.0P	35	2.20		
SYIC - 39185	HSK100A x SFC10 - 90	140	42	51	24	32	M8 x 1.25P	65	2.28
SYIC - 39186	HSK100A x SFC12 - 95	145	47	56			M10 x 1.5P	110	2.30
SYIC - 39188	HSK100A x SFC14 - 95				150	2.35			
SYIC - 39190	HSK100A x SFC16 - 100	150	50	61	33	42	M12 x 1.75P	200	2.36
SYIC - 39192	HSK100A x SFC18 - 100			66			250	2.52	
SYIC - 39194	HSK100A x SFC20 - 105	155	52	71	44	53	M16 x 2.0P	320	2.53
SYIC - 39196	HSK100A x SFC25 - 115	165	58	81			500	3.04	
SYIC - 39198	HSK100A x SFC32 - 120	170	58	86	M20 x 2.0P	550	2.98		

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59

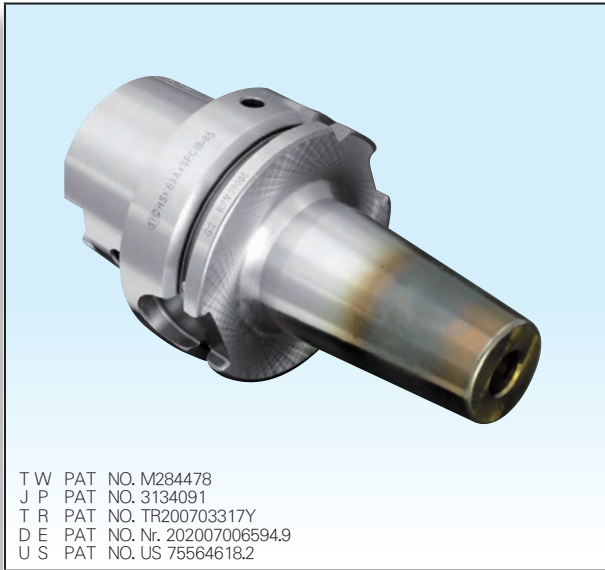


HSK / SFC SHRINK FIT CHUCK FOR TYPE A LENGTHENED TYPE

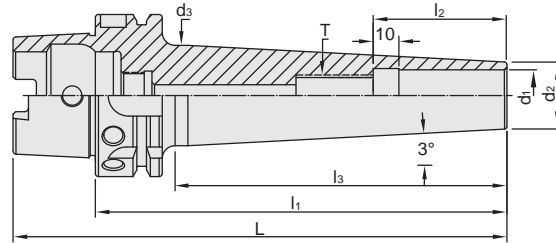
SYIC-39130

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 39130 - 120	HSK63A x SFC3 - 120	152	18	84	9	18		18	0.73	
SYIC - 39131	HSK63A x SFC3 - 160	192		129		20				
SYIC - 39132 - 120	HSK63A x SFC4 - 120	152	20	89	10	18	M6 x 1.0P	18	0.75	
SYIC - 39133	HSK63A x SFC4 - 160	192		129		20				
SYIC - 39134 - 120	HSK63A x SFC5 - 120	152		91	11	20				
SYIC - 39135	HSK63A x SFC5 - 160	192		123		25				
SYIC - 39136 - 120	HSK63A x SFC6 - 120	152	36	89	12	20	M5 x 0.8P	0.78		
SYIC - 39137	HSK63A x SFC6 - 160	192		124		25				
SYIC - 39138 - 120	HSK63A x SFC8 - 120	152		83	14	24			M6 x 1.0P	35
SYIC - 39139	HSK63A x SFC8 - 160	192	122	29						
SYIC - 39140 - 120	HSK63A x SFC10 - 120	152	42	78	16	26	M8 x 1.25P	65	0.86	
SYIC - 39141	HSK63A x SFC10 - 160	192		122		31				
SYIC - 39142 - 120	HSK63A x SFC12 - 120	152	47	78	18	28	M10 x 1.5P	110	0.89	
SYIC - 39143	HSK63A x SFC12 - 160	192		122		33				
SYIC - 39144 - 120	HSK63A x SFC14 - 120	152		83	20	30		M12 x 1.75P	150	0.93
SYIC - 39145	HSK63A x SFC14 - 160	192		122		35				
SYIC - 39146 - 120	HSK63A x SFC16 - 120	152	50	83	22	32	200		0.96	
SYIC - 39147	HSK63A x SFC16 - 160	192		122		37				
SYIC - 39148 - 120	HSK63A x SFC18 - 120	152		89	24	32		250		1.00
SYIC - 39149	HSK63A x SFC18 - 160	192	122	39						
SYIC - 39151	HSK63A x SFC20 - 160	192	52	129	26	39	M16 x 2.0P	320	1.37	
SYIC - 39153	HSK63A x SFC25 - 160		58	123	31	45	M20 x 2.0P	500	1.55	
SYIC - 39155	HSK63A x SFC32 - 160			129	38	49		550	1.85	

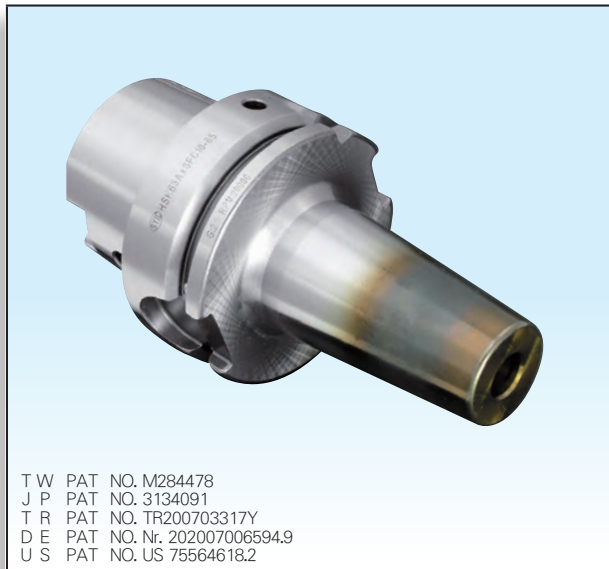
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59

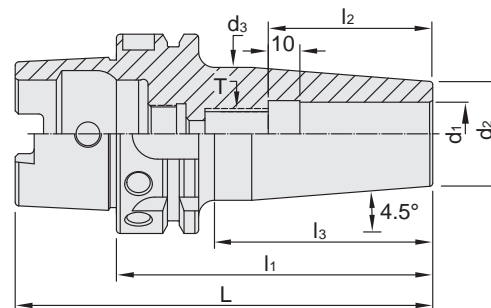
SYIC-39000

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- Every tool holder reaches the standard of G2.5 25,000 rpm, with an inspection report.
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INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39002	HSK40A x SFC3/16" - 3.54"	4.33	0.79	2.55	0.43	0.79	-	18	0.29
SYIC - 39004	HSK40A x SFC1/4" - 3.54"		1.42	2.63	0.71	1.06	M5 x 0.8P		0.41
SYIC - 39006	HSK40A x SFC5/16" - 3.54"			2.63	0.79		M6 x 1.0P	0.43	
SYIC - 39008	HSK40A x SFC3/8" - 3.54"		1.53	2.67	0.94	1.26	M8 x 1.25P	0.52	
SYIC - 39010	HSK40A x SFC1/2" - 3.54"		1.85	2.71	1.1	1.34	M10 x 1.5P	0.58	
SYIC - 39016	HSK50A x SFC3/16" - 3.54"	4.53	0.79	2.15	0.43	0.76	M6 x 1.0P	18	0.48
SYIC - 39018	HSK50A x SFC1/4" - 3.54"		1.42	2.11	0.71	1.06	M5 x 0.8P		0.58
SYIC - 39020	HSK50A x SFC5/16" - 3.54"			2.32	0.79		M6 x 1.0P	0.60	
SYIC - 39022	HSK50A x SFC3/8" - 3.54"		1.53	2.32	0.94	1.26	M8 x 1.25P	0.69	
SYIC - 39024	HSK50A x SFC1/2" - 3.54"		1.85	2.40	1.1	1.34	M10 x 1.5P	0.74	
SYIC - 39025	HSK50A x SFC5/8" - 3.54"	1.06	M12 x 1.75		0.69				
SYIC - 39026	HSK50A x SFC3/4" - 3.94"	4.93	1.97	2.89	1.42	1.65	M16 x 2.0P	320	0.91
SYIC - 39030	HSK63A x SFC3/16" - 3.94"	5.2	0.79	2.71	0.43	0.79	M6 x 1.0P	18	0.74
SYIC - 39032	HSK63A x SFC1/4" - 3.94"		1.42		0.71	1.06	M5 x 0.8P		0.88
SYIC - 39034	HSK63A x SFC5/16" - 3.94"				0.79		M6 x 1.0P	0.90	
SYIC - 39036	HSK63A x SFC3/8" - 3.94"		1.65		0.94	1.26	M8 x 1.25P	0.99	
SYIC - 39038	HSK63A x SFC1/2" - 3.94"		1.85		1.1	1.38	M10 x 1.5P	1.08	
SYIC - 39039	HSK63A x SFC5/8" - 3.94"		1.97		1.06	1.34	M12 x 1.75P	1.01	
SYIC - 39040	HSK63A x SFC3/4" - 3.94"				1.42	1.65	M16 x 2.0P	1.25	
SYIC - 39042	HSK63A x SFC1" - 3.94"		2.28		1.65	M20 x 2.0P	500	1.12	
SYIC - 39306	HSK100A x SFC1/4" - 3.54"	5.51	1.42	1.98	0.71	1.06	M5 x 0.8P	18	2.17
SYIC - 39308	HSK100A x SFC5/16" - 3.35"	5.31	1.42	2.00	0.79		M6 x 1.0P	2.17	
SYIC - 39310	HSK100A x SFC3/8" - 3.54"	5.51	1.53	2.20	0.94	1.26	M8 x 1.25P	35	2.27
SYIC - 39314	HSK100A x SFC1/2" - 3.74"	5.71	1.85	2.40	1.1	1.34	M10 x 1.5P	65	2.36
SYIC - 39318	HSK100A x SFC5/8" - 3.94"	5.91	1.97	2.59	1.06		M12 x 1.75P	110	2.34
SYIC - 39320	HSK100A x SFC3/4" - 4.13"	6.1	1.97	2.79	1.42	1.65	M16 x 2.0P	320	2.62
SYIC - 39324	HSK100A x SFC1" - 4.53"	6.5	2.04	3.18	2.09	1.81	M20 x 2.0P	500	3.13
SYIC - 39326	HSK100A x SFC1-1/4" - 4.72"	6.69	2.28					550	3.07

Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59

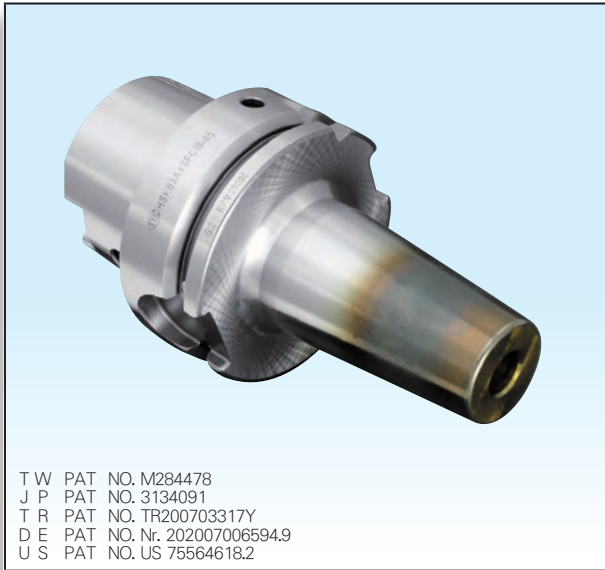


HSK / SFC SHRINK FIT CHUCK FOR TYPE A LENGTHENED TYPE

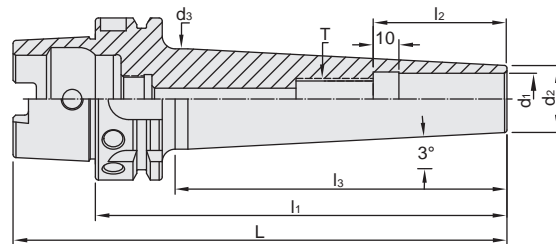
SYIC-39000

HSK / SFC 熱膨脹刀桿

DIN 69893 - 1



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39002 - 5.31	HSK40A x SFC3/16" - 5.31"	6.1	0.79	4.33	0.43	0.71	-	18	0.35
SYIC - 39004 - 5.31	HSK40A x SFC1/4" - 5.31"		1.42		0.49	0.79	M5 x 0.8P		
SYIC - 39006 - 5.31	HSK40A x SFC5/16" - 5.31"		1.42		0.55	0.94	M6 x 1.0P	35	0.45
SYIC - 39008 - 5.31	HSK40A x SFC3/8" - 5.31"		1.85	4.40	0.61	1.02	M8 x 1.25P	65	0.48
SYIC - 39010 - 5.31	HSK40A x SFC1/2" - 5.31"		1.85		0.74	1.1	M10 x 1.5P	110	0.55
SYIC - 39016 - 5.31	HSK50A x SFC3/16" - 5.31"	6.3	0.79	4.09	0.43	0.71	-	18	0.54
SYIC - 39018 - 5.31	HSK50A x SFC1/4" - 5.31"		1.42		0.49	0.79	M5 x 0.8P		
SYIC - 39020 - 5.31	HSK50A x SFC5/16" - 5.31"		1.42		0.55	0.94	M6 x 1.0P	35	0.61
SYIC - 39022 - 5.31	HSK50A x SFC3/8" - 5.31"		1.53		0.61	1.02	M8 x 1.25P	65	0.65
SYIC - 39024 - 5.31	HSK50A x SFC1/2" - 5.31"		1.85		0.74	1.1	M10 x 1.5P	110	0.72
SYIC - 39025 - 5.31	HSK50A x SFC5/8" - 5.31"		1.97	3.82	0.86	1.42	M12 x 1.75P	200	0.81
SYIC - 39026 - 5.31	HSK50A x SFC3/4" - 5.31"			3.88	0.99		M16 x 2.0P	320	0.87
SYIC - 39030 - 5.31	HSK63A x SFC3/16" - 5.31"	6.57	0.79	4.09	0.43	0.71	-	18	0.77
SYIC - 39032 - 5.31	HSK63A x SFC1/4" - 5.31"		1.42		0.49	0.79	M5 x 0.8P		
SYIC - 39034 - 5.31	HSK63A x SFC5/16" - 5.31"		1.42		0.55	0.94	M6 x 1.0P	35	0.86
SYIC - 39036 - 5.31	HSK63A x SFC3/8" - 5.31"		1.53		0.61	1.02	M8 x 1.25P	65	0.90
SYIC - 39038 - 5.31	HSK63A x SFC1/2" - 5.31"		1.85		0.74	1.1	M10 x 1.5P	110	0.96
SYIC - 39039 - 5.31	HSK63A x SFC5/8" - 5.31"		1.97	3.82	0.86	1.42	M12 x 1.75P	200	1.06
SYIC - 39040 - 5.31	HSK63A x SFC3/4" - 5.31"			3.88	0.99		M16 x 2.0P	320	1.13
SYIC - 39042 - 5.31	HSK63A x SFC1" - 5.31"		2.28	3.89	1.24	1.65	M20 x 2.0P	500	1.29

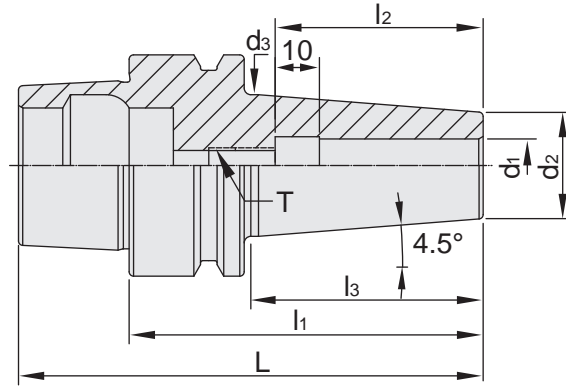
Option

COOLANT SUPPLY UNIT	KEY FOR COOLANT SUPPLY UNIT	PRESET SCREW
P.J-30	P.J-30	P.J-59

SYIC-39000-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE $d_1 - l_1$	L	l_2	l_3	d_2	d_3	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 39044 - E	HSK25E x SFC3 - 50	63	20	37	9	13	-	18	0.07	
SYIC - 39046 - E	HSK25E x SFC4 - 50		20	38	10	16.079			0.08	
SYIC - 39048 - E	HSK25E x SFC5 - 50		20	39	16	20			0.12	
SYIC - 39052 - E	HSK32E x SFC3 - 50	66	18	27	9	13.287	-	18	0.14	
SYIC - 39054 - E	HSK32E x SFC4 - 50		20		10	14.287			0.14	
SYIC - 39056 - E	HSK32E x SFC5 - 50		20	16	20	0.17				
SYIC - 39058 - E	HSK32E x SFC6 - 50		36	29	25	0.21				
SYIC - 39060 - E	HSK32E x SFC8 - 60	76	36	39	21	26	M6 x 1.0P	35	0.24	
SYIC - 39062 - E	HSK32E x SFC10 - 60		42				M8 x 1.25P	65	0.23	
SYIC - 39064 - E	HSK32E x SFC12 - 70		47				49	M10 x 1.5P	110	0.26
SYIC - 39082 - E	HSK40E x SFC3 - 80	100	20	49	9	18	-	18	0.27	
SYIC - 39084 - E	HSK40E x SFC4 - 80		20	49	10	22			0.29	
SYIC - 39086 - E	HSK40E x SFC5 - 80		20	55	16	27			0.35	
SYIC - 39088 - E	HSK40E x SFC6 - 80		36	59	21	27			M5 x 0.8P	0.43
SYIC - 39090 - E	HSK40E x SFC8 - 80		36						M6 x 1.0P	35
SYIC - 39092 - E	HSK40E x SFC10 - 85		105	42	64	24			32	M8 x 1.25P
SYIC - 39094 - E	HSK40E x SFC12 - 90	110	47	69	M10 x 1.5P		110	0.52		

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE E

B
T

SYIC-39100-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5

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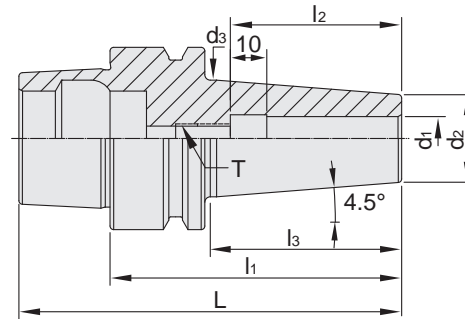
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T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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- 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 d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 39100 - E	HSK50E x SFC3 - 80	105	20	42	9	18	M6 x 1.0P	18	0.47	
SYIC - 39102 - E	HSK50E x SFC4 - 80		20	49	10	17.7			0.47	
SYIC - 39104 - E	HSK50E x SFC5 - 80		20		16	22			0.54	
SYIC - 39106 - E	HSK50E x SFC6 - 80		36	21	27	M5 x 0.8P	0.62			
SYIC - 39108 - E	HSK50E x SFC8 - 80		36				0.61			
SYIC - 39110 - E	HSK50E x SFC10 - 80		42	52	24	32	M8 x 1.25P		65	0.65
SYIC - 39112 - E	HSK50E x SFC12 - 80		47				M10 x 1.5P		110	0.64
SYIC - 39114 - E	HSK50E x SFC14 - 90	115	47	59	24	32	M12 x 1.75P	150	0.68	
SYIC - 39116 - E	HSK50E x SFC16 - 95	120	50	67	27	34	M16 x 2.0P	200	0.75	
SYIC - 39118 - E	HSK50E x SFC18 - 95	120	50	68	33	42	250	0.93		
SYIC - 39120 - E	HSK50E x SFC20 - 100	125	52	73			M12 x 1.75P	320	0.93	
SYIC - 39122 - E	HSK50E x SFC25 - 115	140	47	88	44	53	M20 x 2.0P	500	1.39	
SYIC - 39130 - E	HSK63E x SFC3 - 80	112	20	49	9	15	M6 x 1.0P	18	0.74	
SYIC - 39132 - E	HSK63E x SFC4 - 80		20	44	10	17			0.76	
SYIC - 39134 - E	HSK63E x SFC5 - 80		20	51	16	22			0.81	
SYIC - 39136 - E	HSK63E x SFC6 - 80		36		21	27	M5 x 0.8P		0.89	
SYIC - 39138 - E	HSK63E x SFC8 - 80		36	24	32	M6 x 1.0P	35		0.88	
SYIC - 39140 - E	HSK63E x SFC10 - 85		117				42		57	M8 x 1.25P
SYIC - 39142 - E	HSK63E x SFC12 - 90		122	47	59	24	32		M10 x 1.5P	110
SYIC - 39144 - E	HSK63E x SFC14 - 90	47		150				0.96		
SYIC - 39146 - E	HSK63E x SFC16 - 95	127	50	64	27	34	M12 x 1.75P	200	1.04	
SYIC - 39148 - E	HSK63E x SFC18 - 95		52					250	1.21	
SYIC - 39150 - E	HSK63E x SFC20 - 100		132	58	69	33		42	M16 x 2.0P	320
SYIC - 39152 - E	HSK63E x SFC25 - 115	147	58	88	44	53	M20 x 2.0P	500	1.79	

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK

FOR TYPE E
LENGTHENED TYPE

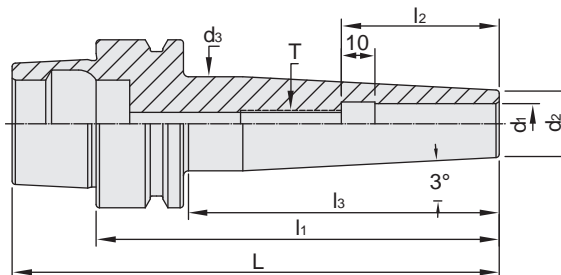
SYIC-39000-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5



TW PAT NO. M284478
JP PAT NO. 3134091
TR PAT NO. TR200703317Y
DE PAT NO. Nr. 202007006594.9
US PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 39044 - 100 - E	HSK25E x SFC3 - 100	113	20	79	9	18	-	18	0.14	
SYIC - 39046 - 100 - E	HSK25E x SFC4 - 100		20	88	10				0.15	
SYIC - 39048 - 100 - E	HSK25E x SFC5 - 100		20	79	11				20	0.17
SYIC - 39052 - 100 - E	HSK32E x SFC3 - 100	116	18	69	9	18	-	18	0.22	
SYIC - 39054 - 100 - E	HSK32E x SFC4 - 100		20		10				18	0.21
SYIC - 39056 - 100 - E	HSK32E x SFC5 - 100		20		11				20	0.23
SYIC - 39058 - 100 - E	HSK32E x SFC6 - 100		36	78	12	20	M5 x 0.8P	18	0.24	
SYIC - 39060 - 100 - E	HSK32E x SFC8 - 100		36	68	14	24	M6 x 1.0P	35	0.27	
SYIC - 39062 - 100 - E	HSK32E x SFC10 - 100		42		16	26	M8 x 1.25P	65	0.29	
SYIC - 39064 - 100 - E	HSK32E x SFC12 - 100		47	69	18	26	M10 x 1.5P	110	0.31	
SYIC - 39082 - 120 - E	HSK40E x SFC3 - 120	140	20	95	9	18	-	18	0.32	
SYIC - 39084 - 120 - E	HSK40E x SFC4 - 120		20		10				18	0.34
SYIC - 39086 - 120 - E	HSK40E x SFC5 - 120		20		11				20	0.36
SYIC - 39088 - 120 - E	HSK40E x SFC6 - 120		36	12	20	M5 x 0.8P	18	0.37		
SYIC - 39090 - 120 - E	HSK40E x SFC8 - 120		36	89	14	24	M6 x 1.0P	35	0.41	
SYIC - 39092 - 120 - E	HSK40E x SFC10 - 120		42		16	26	M8 x 1.25P	65	0.45	
SYIC - 39094 - 120 - E	HSK40E x SFC12 - 120		47		18	28	M10 x 1.5P	110	0.49	

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE E LENGTHENED TYPE

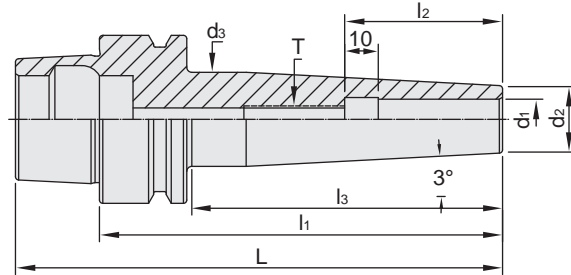
SYIC-39100-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
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- Easy operation.
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MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39100 - 120 - E	HSK50E x SFC3 - 120	145	20	89	9	18	-	18	0.51
SYIC - 39102 - 120 - E	HSK50E x SFC4 - 120		20		10	18			0.53
SYIC - 39104 - 120 - E	HSK50E x SFC5 - 120		20		11	20			0.55
SYIC - 39106 - 120 - E	HSK50E x SFC6 - 120		36	12	20	M5 x 0.8P	0.56		
SYIC - 39108 - 120 - E	HSK50E x SFC8 - 120		36	14	24	M6 x 1.0P	35	0.61	
SYIC - 39110 - 120 - E	HSK50E x SFC10 - 120		42	16	26	M8 x 1.25P	65	0.64	
SYIC - 39112 - 120 - E	HSK50E x SFC12 - 120		47	18	28	M10 x 1.5P	110	0.67	
SYIC - 39114 - 120 - E	HSK50E x SFC14 - 120		47	20	30		150	0.72	
SYIC - 39116 - 120 - E	HSK50E x SFC16 - 120		50	22	32	M12 x 1.75P	200	0.75	
SYIC - 39118 - 120 - E	HSK50E x SFC18 - 120		52	24	32		250	0.77	
SYIC - 39121 - E	HSK50E x SFC20 - 160	185	52	131	26	35	M16 x 2.0P	320	1.10
SYIC - 39123 - E	HSK50E x SFC25 - 160		47	132	31	40	M20 x 2.0P	500	1.30
SYIC - 39130 - 120 - E	HSK63E x SFC3 - 120	152	20	91	9	18	-	18	0.79
SYIC - 39132 - 120 - E	HSK63E x SFC4 - 120		20		10	18			0.80
SYIC - 39134 - 120 - E	HSK63E x SFC5 - 120		20		11	20			0.81
SYIC - 39136 - 120 - E	HSK63E x SFC6 - 120		36	89	12	20	M5 x 0.8P	0.83	
SYIC - 39138 - 120 - E	HSK63E x SFC8 - 120		36	14	24	M6 x 1.0P	35	0.87	
SYIC - 39140 - 120 - E	HSK63E x SFC10 - 120		42	16	26	M8 x 1.25P	65	0.91	
SYIC - 39142 - 120 - E	HSK63E x SFC12 - 120		47	18	28	M10 x 1.5P	110	0.94	
SYIC - 39144 - 120 - E	HSK63E x SFC14 - 120		47	20	30		150	0.98	
SYIC - 39146 - 120 - E	HSK63E x SFC16 - 120		50	22	32	M12 x 1.75P	200	1.02	
SYIC - 39148 - 120 - E	HSK63E x SFC18 - 120		52	89	24		32	250	1.05
SYIC - 39151 - E	HSK63E x SFC20 - 160	192	58	129	26	39	M16 x 2.0P	320	1.41
SYIC - 39153 - E	HSK63E x SFC25 - 160		58	123	31	45	M20 x 2.0P	500	1.60

Option

PRESET SCREW



P.J-59

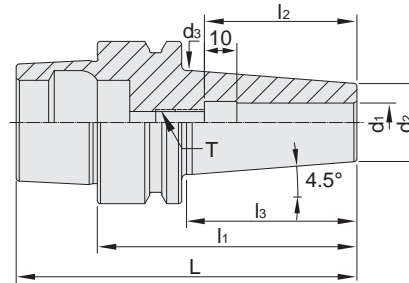
SYIC-38950-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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- Slim design.
- Easy operation.
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- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 38952 - E	HSK25E x SFC1/8" - 1.97"	2.48	0.71	1.45	0.36	0.51	-	18	0.07	
SYIC - 38954 - E	HSK25E x SFC3/16" - 1.97"		0.79	1.12	0.43	0.71			0.09	
SYIC - 38956 - E	HSK25E x SFC1/4" - 1.97"		0.79	1.49	0.55	0.71			0.10	
SYIC - 38962 - E	HSK32E x SFC1/8" - 1.97"	2.6	0.71	1.07	0.36	0.53	-	18	0.14	
SYIC - 38964 - E	HSK32E x SFC3/16" - 1.97"		0.79		0.43	0.59			0.15	
SYIC - 38966 - E	HSK32E x SFC1/4" - 1.97"		1.42		0.71	0.88			0.19	
SYIC - 38968 - E	HSK32E x SFC5/16" - 2.36"	2.99	1.42	1.53	0.79	1.02	-	35	0.23	
SYIC - 38970 - E	HSK32E x SFC3/8" - 2.36"		1.53		0.94				0.26	
SYIC - 39002 - E	HSK40E x SFC3/16" - 3.54"		0.79		2.67				0.43	0.71
SYIC - 39004 - E	HSK40E x SFC1/4" - 3.54"	4.33	1.42	2.71	0.71	M5 x 0.8P	0.43			
SYIC - 39006 - E	HSK40E x SFC5/16" - 3.54"		1.42	2.63	0.83	1.06	M6 x 1.0P	35	0.47	
SYIC - 39008 - E	HSK40E x SFC3/8" - 3.54"		1.65	2.71	0.94	1.26	M8 x 1.25P	65	0.54	
SYIC - 39010 - E	HSK40E x SFC1/2" - 3.54"	1.85	1.1		1.34	M10 x 1.5P	110	0.62		
SYIC - 39016 - E	HSK50E x SFC3/16" - 3.54"	0.79	2.33		0.43	0.79	M6 x 1.0P	18	0.51	
SYIC - 39018 - E	HSK50E x SFC1/4" - 3.54"	1.42	2.40	0.71	1.06	M5 x 0.8P	0.61			
SYIC - 39020 - E	HSK50E x SFC5/16" - 3.54"	1.42		0.83		M6 x 1.0P	35		0.65	
SYIC - 39022 - E	HSK50E x SFC3/8" - 3.54"	1.65		0.94		1.26	M8 x 1.25P	65	0.72	
SYIC - 39024 - E	HSK50E x SFC1/2" - 3.54"	4.53	1.85	2.48	1.1	1.34	M10 x 1.5P	110	0.77	
SYIC - 39025 - E	HSK50E x SFC5/8" - 3.54"		1.97	2.44	1.06		1.34	M12 x 1.75P	200	0.72
SYIC - 39026 - E	HSK50E x SFC3/4" - 3.94"			2.83	1.42			1.65	M16 x 2.0P	320
SYIC - 39030 - E	HSK63E x SFC3/16" - 3.94"	5.2		0.79	2.71	0.43		0.79	M6 x 1.0P	18
SYIC - 39032 - E	HSK63E x SFC1/4" - 3.94"		1.42	0.71		1.06	M5 x 0.8P	0.93		
SYIC - 39034 - E	HSK63E x SFC5/16" - 3.94"		1.42	0.79			M6 x 1.0P	35	0.96	
SYIC - 39036 - E	HSK63E x SFC3/8" - 3.94"	1.65	0.94	1.26	M8 x 1.25P		65	1.06		
SYIC - 39038 - E	HSK63E x SFC1/2" - 3.94"	1.85	1.1	1.34	1.34	M10 x 1.5P	110	1.12		
SYIC - 39039 - E	HSK63E x SFC5/8" - 3.94"		1.97			1.06	M12 x 1.75P	200	1.07	
SYIC - 39040 - E	HSK63E x SFC3/4" - 3.94"					1.42	1.65	M16 x 2.0P	320	1.31
SYIC - 39042 - E	HSK63E x SFC1" - 3.94"	2.04		1.42	1.65	M20 x 2.0P	500	1.20		

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE E LENGTHENED TYPE

B
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SYIC-38950-E

HSK / SFC 熱膨脹刀桿

DIN 69893 - 5

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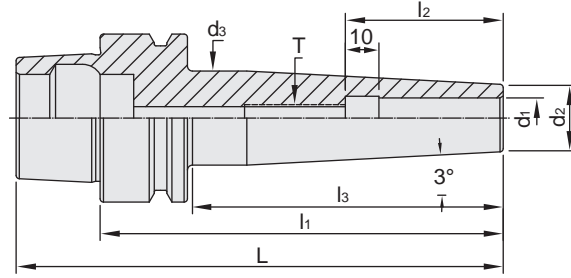
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T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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- Slim design.
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INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 38952 - 3.94 - E	HSK25E x SFC1/8" - 3.94"	4.45	0.71	3.46	0.36	0.71	-	18	0.14	
SYIC - 38954 - 3.94 - E	HSK25E x SFC3/16" - 3.94"		0.79	3.46	0.43	0.71	-		0.16	
SYIC - 38956 - 3.94 - E	HSK25E x SFC1/4" - 3.94"		0.79	3.50	0.49	0.79	M5 x 0.8P		0.19	
SYIC - 38962 - 3.94 - E	HSK32E x SFC1/8" - 3.94"	4.57	0.71	2.95	0.36	0.51	-	18	0.18	
SYIC - 38964 - 3.94 - E	HSK32E x SFC3/16" - 3.94"		0.79	2.72	0.43	0.79	-		0.23	
SYIC - 38966 - 3.94 - E	HSK32E x SFC1/4" - 3.94"		1.42	3.03	0.49	0.79	M5 x 0.8P		0.24	
SYIC - 38968 - 3.94 - E	HSK32E x SFC5/16" - 3.94"	6.1	1.42	2.69	0.55	0.94	M6 x 1.0P	35	0.27	
SYIC - 38970 - 3.94 - E	HSK32E x SFC3/8" - 3.94"		1.53	2.69	0.61	1.02	M8 x 1.25P	65	0.29	
SYIC - 39002 - 5.31 - E	HSK40E x SFC3/16" - 5.31"		0.79	4.45	0.43	0.71	-	18	0.37	
SYIC - 39004 - 5.31 - E	HSK40E x SFC1/4" - 5.31"	6.3	1.42	4.41	0.49	0.79	M5 x 0.8P	18	0.41	
SYIC - 39006 - 5.31 - E	HSK40E x SFC5/16" - 5.31"		1.42	4.41	0.55	0.94	M6 x 1.0P		35	0.46
SYIC - 39008 - 5.31 - E	HSK40E x SFC3/8" - 5.31"		1.53	4.41	0.61	1.02	M8 x 1.25P		65	0.50
SYIC - 39010 - 5.31 - E	HSK40E x SFC1/2" - 5.31"	6.57	1.85	4.41	0.74	1.1	M10 x 1.5P	110	0.59	
SYIC - 39016 - 5.31 - E	HSK50E x SFC3/16" - 5.31"		0.79	4.09	0.43	0.71	-	18	0.56	
SYIC - 39018 - 5.31 - E	HSK50E x SFC1/4" - 5.31"		1.42	4.09	0.49	0.79	M5 x 0.8P	18	0.60	
SYIC - 39020 - 5.31 - E	HSK50E x SFC5/16" - 5.31"	6.3	1.42	4.09	0.55	0.94	M6 x 1.0P	35	0.65	
SYIC - 39022 - 5.31 - E	HSK50E x SFC3/8" - 5.31"		1.53	4.09	0.61	1.02	M8 x 1.25P	65	0.69	
SYIC - 39024 - 5.31 - E	HSK50E x SFC1/2" - 5.31"		1.85	4.09	0.74	1.1	M10 x 1.5P	110	0.75	
SYIC - 39025 - 5.31 - E	HSK50E x SFC5/8" - 5.31"	6.57	1.97	3.86	0.86	1.34	M12 x 1.75P	200	0.84	
SYIC - 39026 - 5.31 - E	HSK50E x SFC3/4" - 5.31"		4.17	0.99	1.38	M16 x 2.0P	320	0.91		
SYIC - 39030 - 5.31 - E	HSK63E x SFC3/16" - 5.31"		0.79	4.09	0.43	0.71	-	18	0.82	
SYIC - 39032 - 5.31 - E	HSK63E x SFC1/4" - 5.31"	6.57	1.42	4.09	0.49	0.79	M5 x 0.8P	18	0.87	
SYIC - 39034 - 5.31 - E	HSK63E x SFC5/16" - 5.31"		1.42	4.09	0.55	0.94	M6 x 1.0P	35	0.92	
SYIC - 39036 - 5.31 - E	HSK63E x SFC3/8" - 5.31"		1.53	4.09	0.61	1.02	M8 x 1.25P	65	0.96	
SYIC - 39038 - 5.31 - E	HSK63E x SFC1/2" - 5.31"	6.57	1.85	4.09	0.74	1.1	M10 x 1.5P	110	1.02	
SYIC - 39039 - 5.31 - E	HSK63E x SFC5/8" - 5.31"		1.97	3.86	0.86	1.34	M12 x 1.75P	200	1.11	
SYIC - 39040 - 5.31 - E	HSK63E x SFC3/4" - 5.31"		4.09	0.99	1.38	M16 x 2.0P	320	1.18		
SYIC - 39042 - 5.31 - E	HSK63E x SFC1" - 5.31"	2.04	4.09	1.24	1.57	M20 x 2.0P	500	1.35		

Option

PRESET SCREW



P.J-59

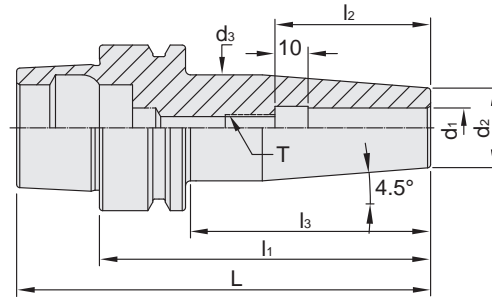
SYIC-39100-F

HSK / SFC 熱膨脹刀桿

DIN 69893 - 6



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)	
SYIC - 39100 - F	HSK50F x SFC3 - 80	100	18	49	9	16.78	-	18	0.45	
SYIC - 39102 - F	HSK50F x SFC4 - 80		20		10	17.78				
SYIC - 39104 - F	HSK50F x SFC5 - 80		16		22					
SYIC - 39106 - F	HSK50F x SFC6 - 80		36		21	27	M5 x 0.8P			
SYIC - 39108 - F	HSK50F x SFC8 - 80		24		32	M6 x 1.0P	35			0.58
SYIC - 39110 - F	HSK50F x SFC10 - 85	105	42	54	24	32	M8 x 1.25P	65	0.66	
SYIC - 39112 - F	HSK50F x SFC12 - 90	110	47	59			M10 x 1.5P	110	0.67	
SYIC - 39114 - F	HSK50F x SFC14 - 90				150	0.66				
SYIC - 39116 - F	HSK50F x SFC16 - 95	115	50	67	27	34	M12 x 1.75P	200	0.73	
SYIC - 39118 - F	HSK50F x SFC18 - 95			68				250	0.90	
SYIC - 39120 - F	HSK50F x SFC20 - 100			120	52	73		33	42	M16 x 2.0P
SYIC - 39130 - F	HSK63F x SFC3 - 80	105	18	49	9	18	-	18	0.69	
SYIC - 39132 - F	HSK63F x SFC4 - 80		20		10	17.05				
SYIC - 39134 - F	HSK63F x SFC5 - 80		16		22					
SYIC - 39136 - F	HSK63F x SFC6 - 80		36		21	27	M5 x 0.8P			0.84
SYIC - 39138 - F	HSK63F x SFC8 - 80		24		32	M6 x 1.0P	35			0.83
SYIC - 39140 - F	HSK63F x SFC10 - 85	110	42	57	24	32	M8 x 1.25P	65	0.91	
SYIC - 39142 - F	HSK63F x SFC12 - 90	115	47	59			M10 x 1.5P	110	0.93	
SYIC - 39144 - F	HSK63F x SFC14 - 90				150	0.97				
SYIC - 39146 - F	HSK63F x SFC16 - 95	120	50	64	27	34	M12 x 1.75P	200	0.98	
SYIC - 39148 - F	HSK63F x SFC18 - 95							250	1.16	
SYIC - 39150 - F	HSK63F x SFC20 - 100				125	52		71	33	42
SYIC - 39152 - F	HSK63F x SFC25 - 115	140	58	88	44	53	M20 x 2.0P	500	1.74	
SYIC - 39154 - F	HSK63F x SFC32 - 120	145	58	93				550	1.68	

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE F LENGTHENED TYPE

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SYIC-39100-F

HSK / SFC 熱膨脹刀桿

DIN 69893 - 6

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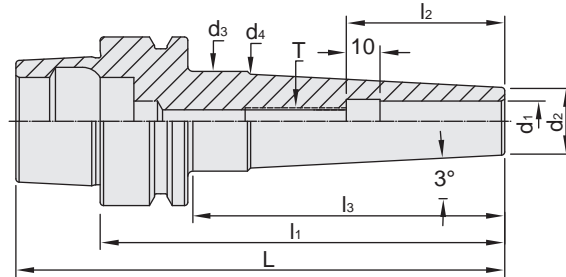
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T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	d ₄	T	TORQUE N.m min	WEIGHT (KGS)				
SYIC - 39100 - 120 - F	HSK50F x SFC3 - 120	140	18	89	9	18	-	-	18	0.50				
SYIC - 39102 - 120 - F	HSK50F x SFC4 - 120		20		10	20								
SYIC - 39104 - 120 - F	HSK50F x SFC5 - 120		11		0.53									
SYIC - 39106 - 120 - F	HSK50F x SFC6 - 120		36			12					M5 x 0.8P	0.54		
SYIC - 39108 - 120 - F	HSK50F x SFC8 - 120		83	14	24	22.7	M6 x 1.0P	35	0.58					
SYIC - 39110 - 120 - F	HSK50F x SFC10 - 120			42	16	26	24.7	M8 x 1.25P	65	0.61				
SYIC - 39112 - 120 - F	HSK50F x SFC12 - 120			47	18	28	26.7	M10 x 1.5P	110	0.65				
SYIC - 39114 - 120 - F	HSK50F x SFC14 - 120				20	30	28.7		150	0.69				
SYIC - 39116 - 120 - F	HSK50F x SFC16 - 120			50	22	32	30.7	M12 x 1.75P	200	0.72				
SYIC - 39118 - 120 - F	HSK50F x SFC18 - 120								89	24	32	-	250	0.76
SYIC - 39121 - F	HSK50F x SFC20 - 160	180	52	129	26	35	-	M16 x 2.0P	320	1.10				
SYIC - 39130 - 120 - F	HSK63F x SFC3 - 120	145	18	84	9	17.86	-	-	18	0.75				
SYIC - 39132 - 120 - F	HSK63F x SFC4 - 120		20	89	10	18				0.76				
SYIC - 39134 - 120 - F	HSK63F x SFC5 - 120		11		20	0.78								
SYIC - 39136 - 120 - F	HSK63F x SFC6 - 120		36	12	20	M5 x 0.8P				0.79				
SYIC - 39138 - 120 - F	HSK63F x SFC8 - 120		78	14	24	22.2				M6 x 1.0P	35	0.84		
SYIC - 39140 - 120 - F	HSK63F x SFC10 - 120			42	84	16				24.86	-	M8 x 1.25P	65	0.88
SYIC - 39142 - 120 - F	HSK63F x SFC12 - 120			47	83	18				28	26.7	M10 x 1.5P	110	0.90
SYIC - 39144 - 120 - F	HSK63F x SFC14 - 120					20				30	28.7		150	0.94
SYIC - 39146 - 120 - F	HSK63F x SFC16 - 120		52	22	32	30.7				M12 x 1.75P	200	0.97		
SYIC - 39148 - 120 - F	HSK63F x SFC18 - 120		47	89	24	32				-	M16 x 2.0P	250	1.02	
SYIC - 39151 - F	HSK63F x SFC20 - 160	26					35	320	1.35					
SYIC - 39153 - F	HSK63F x SFC25 - 160	185	58	129	31	40	-	M20 x 2.0P	500	1.50				
SYIC - 39155 - F	HSK63F x SFC32 - 160				38	49			550	1.86				

Option

PRESET SCREW



P.J-59

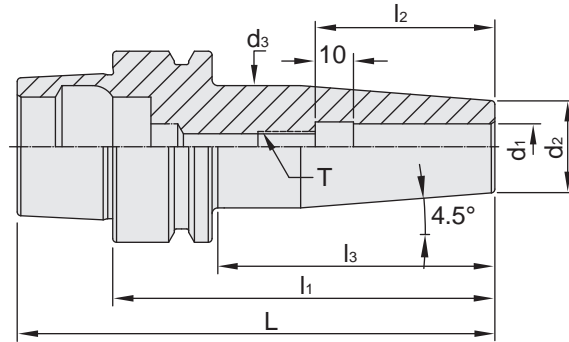
SYIC-39000-F

HSK / SFC 熱膨脹刀桿

DIN 69893 - 6



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	l ₃	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39016 - F	HSK50F x SFC3/16" - 3.54"	4.33	0.79	2.34	0.43	0.79	-	18	0.48
SYIC - 39018 - F	HSK50F x SFC1/4" - 3.54"		1.42	2.32	0.71	1.06	M5 x 0.8P		0.59
SYIC - 39020 - F	HSK50F x SFC5/16" - 3.54"		1.42		0.79		M6 x 1.0P	0.61	
SYIC - 39022 - F	HSK50F x SFC3/8" - 3.54"		1.53		0.94	1.26	M8 x 1.25P	65	0.69
SYIC - 39024 - F	HSK50F x SFC1/2" - 3.54"		1.85		1.1	1.34	M10 x 1.5P	110	0.75
SYIC - 39025 - F	HSK50F x SFC5/8" - 3.54"		1.97	1.06	1.34	M12 x 1.75P	200	0.70	
SYIC - 39026 - F	HSK50F x SFC3/4" - 3.94"	4.73	1.26	1.65	1.65	M16 x 2.0P	320	0.90	
SYIC - 39030 - F	HSK63F x SFC3/16" - 3.94"	4.92	0.79	2.73	0.43	0.85	-	18	0.76
SYIC - 39032 - F	HSK63F x SFC1/4" - 3.94"		1.42	2.71	0.71	1.06	M5 x 0.8P		0.89
SYIC - 39034 - F	HSK63F x SFC5/16" - 3.94"		1.42		0.79		M6 x 1.0P	35	0.91
SYIC - 39036 - F	HSK63F x SFC3/8" - 3.94"		1.65	2.83	0.94	1.26	M8 x 1.25P	65	1.00
SYIC - 39038 - F	HSK63F x SFC1/2" - 3.94"		1.85	2.79	1.1	1.38	M10 x 1.5P	110	1.68
SYIC - 39039 - F	HSK63F x SFC5/8" - 3.94"		1.97		1.06	1.34	M12 x 1.75P	200	1.02
SYIC - 39040 - F	HSK63F x SFC3/4" - 3.94"		2.09	1.26	1.65	1.65	M16 x 2.0P	320	1.15
SYIC - 39042 - F	HSK63F x SFC1" - 3.94"		2.28	2.72	1.42	1.65	M20 x 2.0P	500	1.12

Option

PRESET SCREW



P.J-59



HSK / SFC SHRINK FIT CHUCK FOR TYPE F LENGTHENED TYPE

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SYIC-39000-F

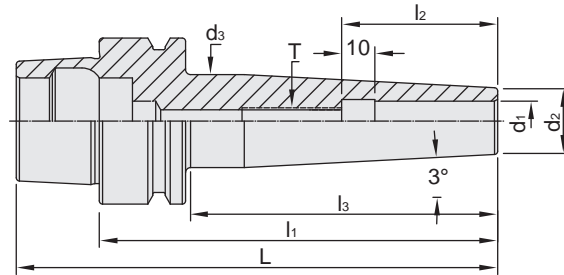
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DIN 69893 - 6

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T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



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- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- 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.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

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INCHES

MODEL NO.	TYPE $d_1 - l_1$	L	l_2	l_3	d_2	d_3	T	TORQUE N.m min	WEIGHT (KGS)
SYIC - 39016 - 5.31 - F	HSK50F x SFC3/16" - 5.31"	6.1	0.79	4.09	0.43	0.71	-	18	0.54
SYIC - 39018 - 5.31 - F	HSK50F x SFC1/4" - 5.31"		1.42		0.49	0.79	M5 x 0.8P		0.58
SYIC - 39020 - 5.31 - F	HSK50F x SFC5/16" - 5.31"		1.42		0.55	0.94	M6 x 1.0P	35	0.63
SYIC - 39022 - 5.31 - F	HSK50F x SFC3/8" - 5.31"		1.53		0.61	1.02	M8 x 1.25P	65	0.66
SYIC - 39024 - 5.31 - F	HSK50F x SFC1/2" - 5.31"		1.85		0.74	1.1	M10x 1.5P	110	0.73
SYIC - 39025 - 5.31 - F	HSK50F x SFC5/8" - 5.31"		1.97	3.86	0.86	1.34	M12 x 1.75P	200	0.81
SYIC - 39026 - 5.31 - F	HSK50F x SFC3/4" - 5.31"		1.97	4.09	0.99	1.38	M16 x 2.0P	320	0.89
SYIC - 39030 - 5.31 - F	HSK63F x SFC3/16" - 5.31"	6.3	0.79	4.09	0.43	0.71	-	18	0.80
SYIC - 39032 - 5.31 - F	HSK63F x SFC1/4" - 5.31"		1.42		0.49	0.79	M5 x 0.8P		0.83
SYIC - 39034 - 5.31 - F	HSK63F x SFC5/16" - 5.31"		1.42		0.55	0.94	M6 x 1.0P	35	0.88
SYIC - 39036 - 5.31 - F	HSK63F x SFC3/8" - 5.31"		1.53		0.61	1.02	M8 x 1.25P	65	0.91
SYIC - 39038 - 5.31 - F	HSK63F x SFC1/2" - 5.31"		1.85		0.74	1.1	M10 x 1.5P	110	0.98
SYIC - 39039 - 5.31 - F	HSK63F x SFC5/8" - 5.31"		1.97	3.86	0.86	1.34	M12 x 1.75P	200	1.07
SYIC - 39040 - 5.31 - F	HSK63F x SFC3/4" - 5.31"		1.97	4.09	0.99	1.38	M16 x 2.0P	320	1.14
SYIC - 39042 - 5.31 - F	HSK63F x SFC1" - 5.31"		2.04	1.24	1.57	M20 x 2.0P	500	1.31	

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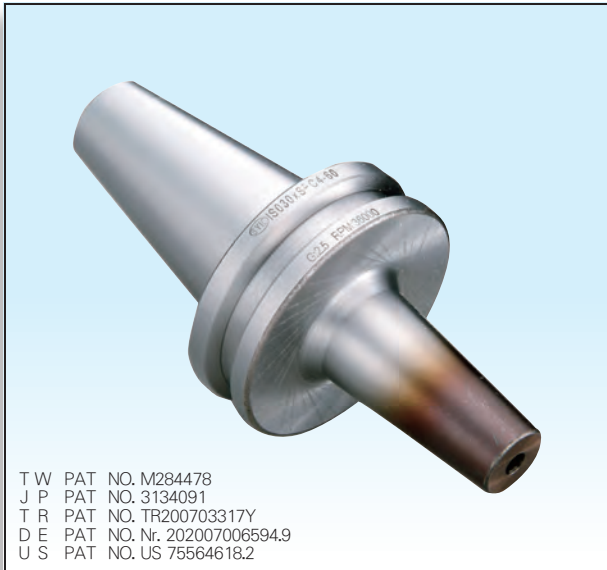


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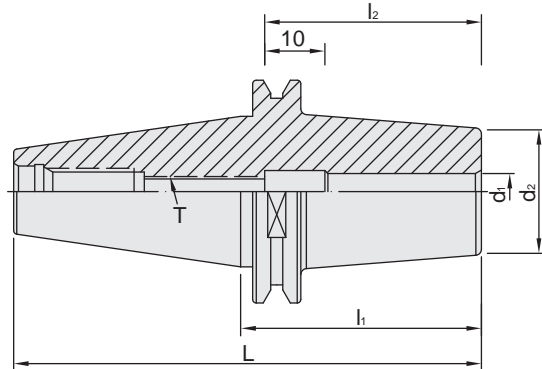
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SYIC-86200

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
 J P PAT NO. 3134091
 T R PAT NO. TR200703317Y
 D E PAT NO. Nr. 202007006594.9
 U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- Standard revolution: G2.5 2500rpm, with an inspection report.
- If the standard revolution is not enough, please inform the needed balance grade and revotion. It's okay to upgrade by customer's request.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

MODEL NO.	TYPE $d_1 - l_1$	L	l_2	d_2	T	WEIGHT (KGS)
SYIC - 86200	ISO20 x SFC3 - 60	92.3	18	9	M6 x 1.0P	0.40
SYIC - 86202	ISO20 x SFC4 - 60		20	10		0.40
SYIC - 86204	ISO20 x SFC5 - 60		20	16		0.40
SYIC - 86206	ISO20 x SFC6 - 60	92.3	36	21	M5 x 0.8P	0.40
SYIC - 86210	ISO25 x SFC3 - 60	92.7	18	9	M6 x 1.0P	0.40
SYIC - 86212	ISO25 x SFC4 - 60		20	10		0.42
SYIC - 86214	ISO25 x SFC5 - 60		20	16		0.42
SYIC - 86216	ISO25 x SFC6 - 60	97.7	36	21	M5 x 0.8P	0.42
SYIC - 86218	ISO25 x SFC8 - 60		36	21	M6 x 1.0P	0.43
SYIC - 86220	ISO25 x SFC10 - 60		42	24	M8 x 1.25P	0.44
SYIC - 86222	ISO25 x SFC12 - 60		47	24	M10 x 1.5P	0.44
SYIC - 86228	ISO30 x SFC3 - 60	107.8	18	9	M6 x 1.0P	1.00
SYIC - 86230	ISO30 x SFC4 - 60		20	10		1.00
SYIC - 86232	ISO30 x SFC5 - 60		20	16		1.10
SYIC - 86234	ISO30 x SFC6 - 60	107.8	36	21	M5 x 0.8P	1.10
SYIC - 86236	ISO30 x SFC8 - 80	117.8	36	21	M6 x 1.0P	1.10
SYIC - 86238	ISO30 x SFC10 - 80		42	24	M8 x 1.25P	1.10
SYIC - 86240	ISO30 x SFC12 - 80		47	24	M10 x 1.5P	1.10
SYIC - 86242	ISO30 x SFC14 - 80		47	24		1.10
SYIC - 86244	ISO30 x SFC16 - 80		50	27	M12 x 1.75P	1.10

Option

PULL STUD	PRESET SCREW
 P.J-5	 P.J-59



ISO / SFC SHRINK FIT CHUCK

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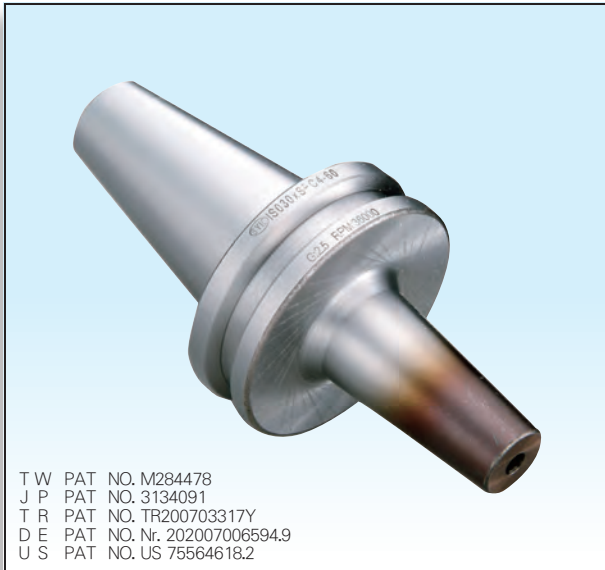
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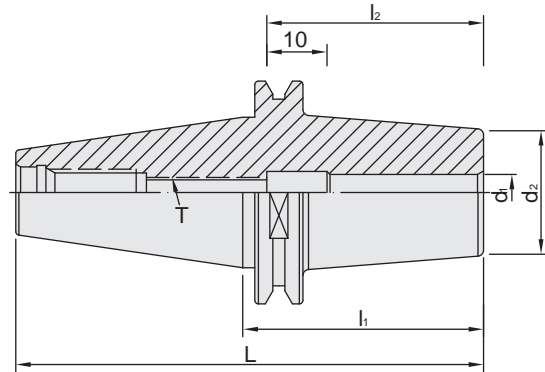
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SYIC-86250

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
T R PAT NO. TR200703317Y
D E PAT NO. Nr. 202007006594.9
U S PAT NO. US 75564618.2



- High rigidity.
- T.I.R.: within 5 μ .
- Slim design.
- Easy operation.
- Standard revolution: G2.5 25000rpm, with an inspection report.
- If the standard revolution is not enough, please inform the needed balance grade and revotion. It's okay to upgrade by customer's request.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

INCHES

MODEL NO.	TYPE d ₁ - l ₁	L	l ₂	d ₂	T	WEIGHT (KGS)
SYIC - 86252	ISO20 x SFC1/8" - 2.5"	3.75	0.71	0.36	-	0.40
SYIC - 86254	ISO20 x SFC3/16" - 2.5"		0.79	0.43		0.40
SYIC - 86256	ISO20 x SFC1/4" - 2.5"	3.78	1.42	0.71	M5 x 0.8P	0.40
SYIC - 86258	ISO20 x SFC5/16" - 2.5"		1.42	0.79	M6 x 1.0P	0.40
SYIC - 86266	ISO25 x SFC1/8" - 2.5"	3.98	0.71	0.36	-	0.40
SYIC - 86268	ISO25 x SFC3/16" - 2.5"		0.79	0.43		0.42
SYIC - 86270	ISO25 x SFC1/4" - 2.5"	3.99	1.42	0.71	M5 x 0.8P	0.42
SYIC - 86272	ISO25 x SFC5/16" - 2.5"	3.98	1.42	0.79	M6 x 1.0P	0.42
SYIC - 86274	ISO25 x SFC3/8" - 2.5"		1.65	0.94	M8 x 1.25P	0.43
SYIC - 86280	ISO30 x SFC1/8" - 2.5"	4.39	0.71	0.36	-	0.44
SYIC - 86282	ISO30 x SFC3/16" - 2.5"		0.79	0.43		0.44
SYIC - 86284	ISO30 x SFC1/4" - 2.5"	4.38	1.42	0.71	M5 x 0.8P	1.00
SYIC - 86286	ISO30 x SFC5/16" - 3.15"	4.64	1.42	0.79	M6 x 1.0P	1.00
SYIC - 86290	ISO30 x SFC3/8" - 3.15"		1.65	0.94	M8 x 1.25P	1.10
SYIC - 86292	ISO30 x SFC1/2" - 3.15"		1.85	1.1	M10 x 1.5P	1.10
SYIC - 86294	ISO30 x SFC5/8" - 3.15"		1.97	1.06	M12x 1.75P	1.10

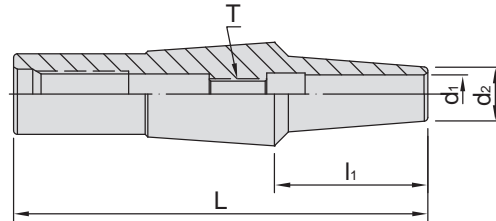
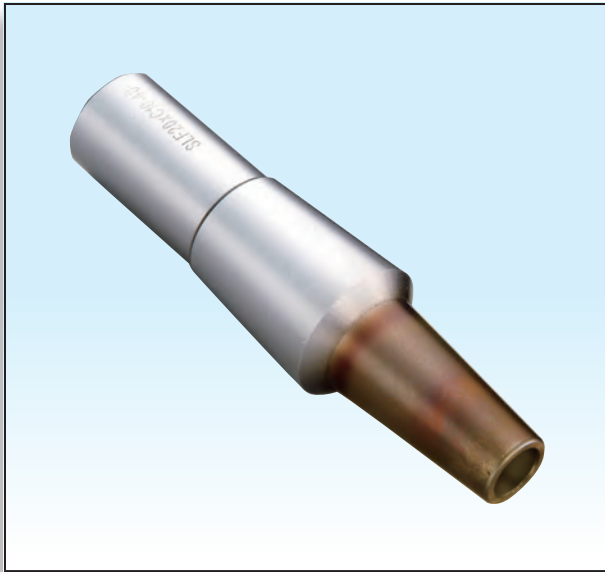
Option

PULL STUD	PRESET SCREW
 P.J-5	 P.J-59



SYIC-86300

SLF 熱膨脹筒夾刀桿



- High rigidity.
- Best runout (T.I.R): 5 μ .
- Slim design.
- Easy operation.

MODEL NO.	TYPE $d_1 - l_1$	L	t_1	T	d_2	d_3	WEIGHT (KGS)	
SYIC - 86308	SLF12 x C3 - 38	93	M10 x 1.5P	-	8	14.5	0.15	
SYIC - 86310	SLF12 x C4 - 38							0.16
SYIC - 86312	SLF12 x C5 - 38			M4 x 0.7P	9		0.16	
SYIC - 86314	SLF12 x C6 - 38			M5 x 0.8P	10		0.18	
SYIC - 86316	SLF12 x C8 - 38			M6 x 1.0P	12		0.18	
SYIC - 86318	SLF12 x C10 - 38			M8 x 1.25P	14		0.18	
SYIC - 86322	SLF20 x C3 - 40	108	M12 x 1.75P	-	8	21	0.16	
SYIC - 86324	SLF20 x C4 - 40							0.18
SYIC - 86326	SLF20 x C5 - 40			M4 x 0.7P	9		0.18	
SYIC - 86328	SLF20 x C6 - 40			M8 x 1.25P	10		0.18	
SYIC - 86330	SLF20 x C8 - 40				12		0.18	
SYIC - 86332	SLF20 x C10 - 40				14		0.20	
SYIC - 86334	SLF20 x C12 - 40				M10 x 1.5P		16	0.20
SYIC - 86336	SLF20 x C14 - 40						18	0.21
SYIC - 86338	SLF20 x C16 - 40				M12 x 1.75P		20	0.22
SYIC - 86352	SLF12 x C1/8" - 1.496"	3.661	M10 x 1.5P	-	0.315	0.571	0.16	
SYIC - 86354	SLF12 x C3/16" - 1.496"							0.16
SYIC - 86356	SLF12 x C1/4" - 1.496"			M8 x 1.25P	0.394		0.18	
SYIC - 86358	SLF12 x C5/16" - 1.496"				0.472		0.18	
SYIC - 86360	SLF12 x C3/8" - 1.496"				0.551		0.18	
SYIC - 86372	SLF20 x C1/8" - 1.575"	4.252	M12 x 1.75P	-	0.315	0.827	0.16	
SYIC - 86374	SLF20 x C3/16" - 1.575"							0.18
SYIC - 86376	SLF20 x C1/4" - 1.575"			M8 x 1.25P	0.394		0.18	
SYIC - 86378	SLF20 x C5/16" - 1.575"				0.472		0.18	
SYIC - 86380	SLF20 x C3/8" - 1.575"				0.551		0.18	
SYIC - 86382	SLF20 x C1/2" - 1.575"				M10 x 1.5P		0.63	0.20
SYIC - 86384	SLF20 x C5/8" - 1.575"		M12 x 1.75P	0.709	0.20			

Option

PRESET SCREW



P.J-59



STRAIGHT SHANK SFC SHRINK FIT CHUCK

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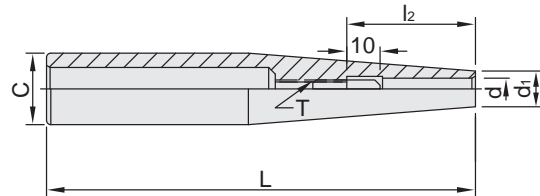
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SYIC-86000

直柄 SFC 熱膨脹刀桿



- High rigidity.
- Best runout (T.I.R): 5 μ .
- Slim design.
- Easy operation.

MODEL NO.	TYPE d - L	l ₂	C	d ₁	T	WEIGHT (KGS)	
SYIC - 86001	C10 x SFC3 - 120	20	10	9	-	0.12	
SYIC - 86002	C10 x SFC4 - 120			10		0.12	
SYIC - 86003	C10 x SFC5 - 120			11		M4 x 0.7P	0.12
SYIC - 86006	C12 x SFC3 - 120	20	12	9	-	0.12	
SYIC - 86007	C12 x SFC4 - 120			10		0.12	
SYIC - 86008	C12 x SFC5 - 120			11		M4 x 0.7P	0.12
SYIC - 86009	C12 x SFC6 - 120	36	12	12	M5 x 0.8P	0.12	
SYIC - 86012	C16 x SFC3 - 120	20	16	9	M6 x 1.0P	0.12	
SYIC - 86014	C16 x SFC4 - 120			10		0.12	
SYIC - 86016	C16 x SFC5 - 120			11		M6 x 1.0P	0.12
SYIC - 86018	C16 x SFC6 - 120	36	12	12	M5 x 0.8P	0.12	
SYIC - 86020	C16 x SFC8 - 120	42	16	14	M8 x 1.25P	0.13	
SYIC - 86022	C16 x SFC10 - 120			16		0.12	
SYIC - 86024	C16 x SFC12 - 120			18		M10 x 1.5P	0.16
SYIC - 86026	C20 x SFC3 - 120	20	20	9	-	0.16	
SYIC - 86028	C20 x SFC4 - 120			10		0.17	
SYIC - 86030	C20 x SFC5 - 120			11		M6 x 1.0P	0.17
SYIC - 86032	C20 x SFC6 - 120	36	20	12	M5 x 0.8P	0.17	
SYIC - 86034	C20 x SFC8 - 120			14		M6 x 1.0P	0.19
SYIC - 86036	C20 x SFC10 - 120			16		M8 x 1.25P	0.20
SYIC - 86038	C20 x SFC12 - 120	47	20	18	M10 x 1.5P	0.20	
SYIC - 86040	C20 x SFC14 - 120			20		0.29	
SYIC - 86042	C20 x SFC16 - 120			22		M12 x 1.75P	0.30
SYIC - 86046	C32 x SFC6 - 120	36	32	12	M5 x 0.8P	0.26	
SYIC - 86047	C32 x SFC8 - 120			14		M6 x 1.0P	0.28
SYIC - 86048	C32 x SFC10 - 120			16		M8 x 1.25P	0.30
SYIC - 86049	C32 x SFC12 - 120	47	18	M10 x 1.5P	0.32		
SYIC - 86051	C32 x SFC16 - 120	50	20	M12 x 1.75P	0.34		

Option

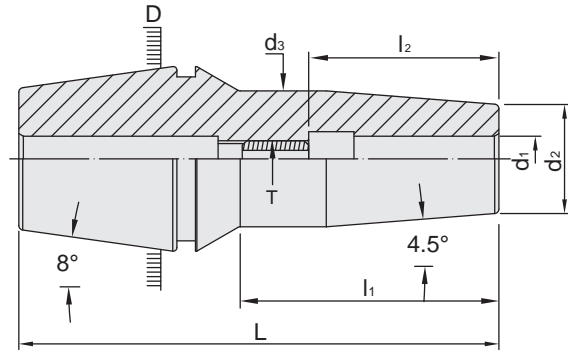
PRESET SCREW



P.J-59

SYIC-09250

ER / SFE 熱膨脹筒夾刀桿



• Decimal sizes(d₁) are available to order by request.

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
SYIC - 09270	ER20 SFE3 - 40	71.5	40	18	20	3	8	14	-	0.16
SYIC - 09271	ER20 SFE3 - 60	91.5	60							0.19
SYIC - 09270 - 4	ER20 SFE4 - 40	71.5	40	20		4	9	15	M4 x 0.7P	0.16
SYIC - 09271 - 4	ER20 SFE4 - 60	91.7	60							0.19
SYIC - 09270 - 5	ER20 SFE5 - 40	71.5	40	20		5	10	15.5	M5 x 0.8P	0.16
SYIC - 09271 - 5	ER20 SFE5 - 60	91.7	60							0.19
SYIC - 09270 - 6	ER20 SFE6 - 40	71.5	40	36		6	16	16	M5 x 0.8P	0.16
SYIC - 09271 - 6	ER20 SFE6 - 60	91.7	60							0.19
SYIC - 09275	ER25 SFE3 - 40	74	40	18	25	3	8	14	-	0.15
SYIC - 09276	ER25 SFE3 - 60	94	60							0.18
SYIC - 09275 - 4	ER25 SFE4 - 40	74	40	20		4	9	15	M4 x 0.7P	0.15
SYIC - 09276 - 4	ER25 SFE4 - 60	94	60							0.18
SYIC - 09275 - 5	ER25 SFE5 - 40	74	40	20		5	10	16	M5 x 0.8P	0.15
SYIC - 09276 - 5	ER25 SFE5 - 60	94	60							0.18
SYIC - 09275 - 6	ER25 SFE6 - 40	74	40	36		6	16	16	M5 x 0.8P	0.15
SYIC - 09276 - 6	ER25 SFE6 - 60	94	60							0.18

Option

PRESET SCREW



P.J-59



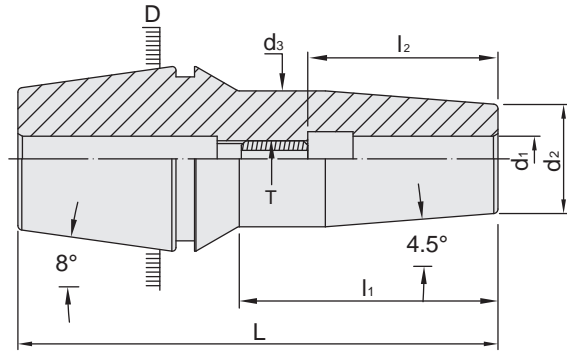
ER / SFE SHRINK FIT COLLET CHUCK EXTENSION TYPE

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SYIC-09250

ER / SFE 熱膨脹筒夾刀桿

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• Decimal sizes(d₁) are available to order by request.

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MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)				
SYIC - 09282	ER32 SFE3 - 40	80	40	18	32	3	8	14	-	0.15				
SYIC - 09283	ER32 SFE3 - 60	100	60							0.18				
SYIC - 09284	ER32 SFE3 - 90	130	90							0.21				
SYIC - 09282 - 4	ER32 SFE4 - 40	80	40	20		32	4	8	14	-	0.15			
SYIC - 09283 - 4	ER32 SFE4 - 60	100	60								0.18			
SYIC - 09284 - 4	ER32 SFE4 - 90	130	90								0.21			
SYIC - 09282 - 5	ER32 SFE5 - 40	80	40	20			32	5	9	15	M4 x 0.7P	0.15		
SYIC - 09283 - 5	ER32 SFE5 - 60	100	60									0.18		
SYIC - 09284 - 5	ER32 SFE5 - 90	130	90									0.21		
SYIC - 09282 - 6	ER32 SFE6 - 40	80	40	36				32	6	10	16	M5 x 0.8P	0.15	
SYIC - 09283 - 6	ER32 SFE6 - 60	100	60										0.18	
SYIC - 09284 - 6	ER32 SFE6 - 90	130	90										0.21	
SYIC - 09282 - 8	ER32 SFE8 - 40	80	40	36					32	8	12	18	M6 x 1.0P	0.15
SYIC - 09283 - 8	ER32 SFE8 - 60	100	60											0.18
SYIC - 09284 - 8	ER32 SFE8 - 90	130	90											0.21
SYIC - 09282 - 10	ER32 SFE10 - 40	80	40	42	32					10	14	20	M8 x 1.25P	0.15
SYIC - 09283 - 10	ER32 SFE10 - 60	100	60											0.18
SYIC - 09284 - 10	ER32 SFE10 - 90	130	90											0.21
SYIC - 09282 - 12	ER32 SFE12 - 40	80	40	47		32				12	16	20	M10 x 1.5P	0.15
SYIC - 09283 - 12	ER32 SFE12 - 60	100	60											0.18
SYIC - 09284 - 12	ER32 SFE12 - 90	130	90											0.21

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Option

PRESET SCREW



P.J-59



ACCESSORIES

17800	BT PULL STUDS	J-2
21000	CAT PULL STUDS	J-3
49000	DAT PULL STUDS	J-4,J-5
49000	ISO PULL STUDS	J-5
04540	STEEL SEALED COLLET	J-6
04210	ER COLLET	J-7~J-10
05320	ER - TC RIGID TAP COLLETS	J-11~J-14
254	ER - TCO RIGID TAP SEALED COLLET	J-15
202.126	ER COOLANT COLLET (FID TYPE)	J-16
202.127	ER COOLANT COLLET (FOD TYPE)	J-17
08300	ER SEALED COLLET	J-18
19460	STRAIGHT SEALED COLLET FOR MLD MILLING CHUCK	J-19
84120	STRAIGHT SHANK COLLET FOR MLD MILLING CHUCK	J-19
83530	EOC COLLET TYPE: B	J-20
83868	SYOZ COLLET	J-21
18851	SLC COLLET	J-21
84000	TG COLLET	J-22,J-23
18300	SKS COLLET	J-24
04500P	POWER GOOD ER CLAMPING NUT	J-25
08680P	ER HIGH SPEED PRECISION NUT BALL BEARING TYPE	J-26
08650P	HIGH SPEED POWER GOOD NUT	J-26
206.130	WIND RESISTANCE NUT	J-27
18310	SKS CLAMPING NUT	J-27
83630P	POWER GOOD EOC CLAMPING NUT	J-28
84012P	POWER GOOD TG CLAMPING NUT	J-28
19490G	MLD SEALED CAP W/O COOLANT HOLE	J-29
	PowerLOC Square Shank Adapter-Coolant Thru	J-29
30030	COOLANT SUPPLY UNIT	J-30
30050	KEY FOR COOLANT SUPPLY UNIT	J-30
42830	PARTS FOR COMBI SHELL END MILL ARBOR	J-31
04570	EXCHANGEABLE TORQUE WRENCH	J-32
04545	SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH	J-32
04580	NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH	J-33
04600	ER SPANNER (WRENCH)	J-34
83690	SPANNER	J-35
04760	NC / ER COLLET CHUCK	J-36
04800	STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE	J-37
04860	STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE	J-38
05150	DOUBLE-ENDED STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE	J-39
05200	STRAIGHT SHANK ER TAPPER (FOR CNC LATHE)	J-40

05260	STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE	J-41
06000	STRAIGHT SHANK SBL COLLET CHUCK	J-42
07100	STRAIGHT EXTENSION SIDE LOCK HOLDER	J-43
17730	QUICK CHANGE TAPPING COLLET	J-44
18050	STRAIGHT SLEEVE (FOR SIDE LOCK OIL HOLE HOLDER)	J-45
18290	FIXED BLOCK	J-45
83700	STR SCREWED CUTTING TOOL	J-46
83720	RG SCREWED CUTTING TOOL	J-46
83740	DM SCREWED CUTTING TOOL	J-47
83760	SOM EXTENSION SPACER	J-47
83780	STRAIGHT SHANK SOM EXTENSION HOLDER	J-48
81000	DRILL SLEEVE	J-49
81400	DRILL CHUCK ARBOR	J-49
81500	R8 DRILL CHUCK ARBOR	J-50
83640	TANG	J-50
82010	OIL INJECTION ROTARY CENTER	J-51
82015	OIL INJECTION ROTARY CENTER (FOR SLIM WORKPIECE)	J-51
82040	INTERCHANGEABLE LIVE CENTER (OIL INJECTION SYSTEM)	J-52
82060	AUTOMATIC ADJUSTABLE INSERTED CENTER	J-52
82150	KEYLESS DRILL CHUCK SPECIAL HEAVY DUTY	J-53
84130	STRAIGHT SHANK MORSE TAPER ADAPTER	J-54
84140	STRAIGHT SHANK DRILL SLEEVE	J-54
83300	OPTICAL EDGE FINDER (TOUCH POINT SENSOR)	J-55
83310	E.S. OPTICAL EDGE FINDER	J-56
83350	MECHANICAL EDGE FINDER	J-57
86400	TEST BAR	J-58
	SCREW	J-59
WF	SHELL MILL SCREW	J-60
FMC	SCREW WITH COOLANT FLUTES W/O COOLANT HOLE	J-61
	END MILL HOLDER REPLACEMENT LOCK SCREW	J-61
17905	ZOP-50 Z AXIAL PRESET GAUGE OPTICAL TYPE	J-62
17906	ZSP-50 Z AXIAL PRESET GAUGE SIMPLE TYPE	J-62
17909-J	ZDS-50J Z AXIAL PRESET GAUGE (MAGNETIC)	J-63
17908	ZDI-50 Z AXIAL PRESET GAUGE INDICATOR TYPE	J-63
17910	ZDI-100 Z AXIAL PRESET GAUGE INDICATOR TYPE	J-64
301	TOOL HOLDER LOCKING DEVICE FOR BT&SK TOOL HOLDERS	J-65
17850	TOOL HOLDER LOCKING DEVICE	J-65
400	TOOL PRESETTER WITH LINEAR SCALE	J-67
19988	DIGITAL LINEAR SCALE TOOL PRESETTER	J-68
19984	USEFUL TOOL PRESETTER	J-68
19989	CABINET	J-69
17700	SPINDLE TAPER WIPERS	J-69
04280	ER COLLET WOODEN TRAYS	J-70
04251	BOX	J-71

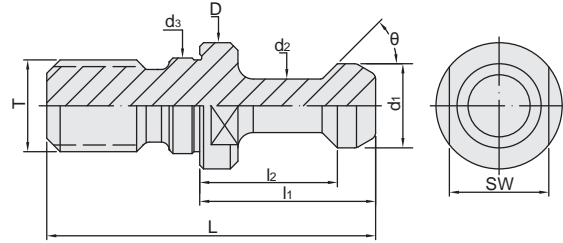


BT PULL STUDS

SYIC-17800



BT 螺栓拉頭



• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE θ	D	d ₁	d ₂	d ₃	L	l ₁	l ₂	T	SW	WEIGHT (KGS)
SYIC - 17801	BT30 - 45°	16.5	11	7	12.5	43	23	18	M12	13	0.04
SYIC - 17803	BT40 - 45°	23	15	10	17	60	35	28	M16	19	0.10
SYIC - 17805	BT50 - 45°	38	23	17	25	85	45	35	M24	30	0.30
SYIC - 17806	BT30 - 60°	16.5	11	7	12.5	43	23	18	M12	13	0.04
SYIC - 17808	BT40 - 60°	23	15	10	17	60	35	28	M16	19	0.10
SYIC - 17810	BT50 - 60°	38	23	17	25	85	45	35	M24	30	0.30
SYIC - 17812	BT30 - 90°	16.5	11	7	12.5	43	23	18	M12	13	0.04
SYIC - 17814	BT40 - 90°	23	15	10	17	60	35	28	M16	19	0.10
SYIC - 17816	BT50 - 90°	38	23	17	25	85	45	35	M24	30	0.30

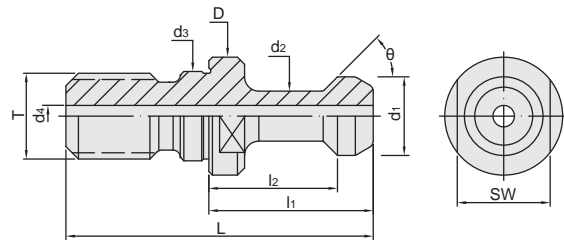


BT PULL STUDS COOLANT TYPE

SYIC-17817



BT 給水型螺栓拉頭



• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE θ	D	d ₁	d ₂	d ₃	d ₄	L	l ₁	l ₂	T	SW	WEIGHT (KGS)
SYIC - 17817	BT30 - 45°	16.5	11	7	12.5	3	43	23	18	M12	13	0.1
SYIC - 17818	BT40 - 45°	23	15	10	17	4	60	35	28	M16	19	0.1
SYIC- 17818 - MAZAK	BT40 - 45°	22	18.79	12.44		7	44.1	19.1	14.02			0.1
SYIC - 17820	BT40 - 60°	23	15	10		4	60	35	28			0.1
SYIC - 17822	BT40 - 90°				0.1							
SYIC - 17824	BT50 - 45°	38	23	17	25	5	85	45	35	M24	30	0.3
SYIC - 17824 - MAZAK	BT50 - 45°	35.5	28.95	20.8		10	65.4	25.4	17.78			0.3
SYIC - 17826	BT50 - 60°	38	23	17		5	85	45	35			0.3
SYIC - 17828	BT50 - 90°											0.3



CAT PULL STUDS

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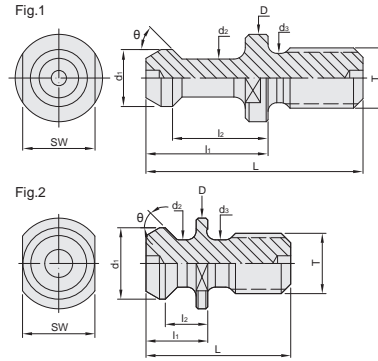
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SYIC-21000

CAT 螺栓拉頭



• Please make sure the pull stud conforms to the machine type.

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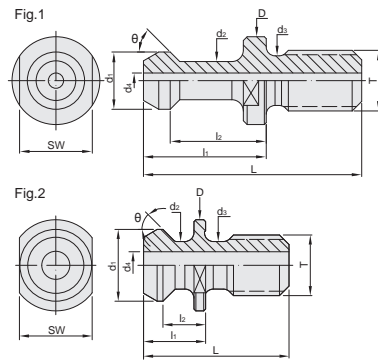
MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	L	l ₁	l ₂	θ	SW	T-UNC	Fig	WEIGHT (KGS)
SYIC - 21003	CAT40 - ANSI	0.94	0.74	0.49	0.49	1.5	0.64	0.44	45°	0.75	5/8" - 11	2	0.09
SYIC - 21005	CAT50 - ANSI	1.44	1.14	0.82	0.82	2.3	1	0.7		1.25	1" - 8		0.25
SYIC - 21003 - 45	CAT40 - MAS - I	0.905	0.59	0.394	0.512	2.25	1.266	0.99	60°	0.748	5/8" - 11	1	0.09
SYIC - 21003 - 60	CAT40 - MAS - II								90°				
SYIC - 21003 - 90	CAT40 - MAS - III								45°				
SYIC - 21005 - 45	CAT50 - MAS - I	1.496	0.906	0.669	0.827	3.346	1.772	1.378	45°	1.181	1" - 8	1	0.25
SYIC - 21005 - 60	CAT50 - MAS - II								60°				
SYIC - 21005 - 90	CAT50 - MAS - III								90°				



CAT PULL STUDS COOLANT TYPE

SYIC-21000-C

CAT 給水型螺栓拉頭



• Please make sure the pull stud conforms to the machine type.

INCHES

MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	d ₄	L	l ₁	l ₂	θ	SW	T-UNC	Fig	WEIGHT (KGS)
SYIC - 21003 - C	CAT40 - ANSI - C	0.94	0.74	0.49	0.49	0.281	1.5	0.64	0.44	45°	0.75	5/8" - 11	2	0.09
SYIC - 21005 - C	CAT50 - ANSI - C	1.44	1.14	0.82	0.82	0.468	2.3	1	0.7		1.25	1" - 8		0.25
SYIC - 21003 - 45C	CAT40 - Coolant - I	0.905	0.59	0.394	0.512	0.157	2.25	1.266	0.99	45°	0.748	5/8" - 11	1	0.09
SYIC - 21003 - 60C	CAT40 - Coolant - II									60°				
SYIC - 21003 - 90C	CAT40 - Coolant - III									90°				
SYIC - 21005 - 45C	CAT50 - Coolant - I	1.496	0.906	0.669	0.827	0.256	3.346	1.772	1.378	45°	1.181	1" - 8	1	0.25
SYIC - 21005 - 60C	CAT50 - Coolant - II									60°				
SYIC - 21005 - 90C	CAT50 - Coolant - III									90°				



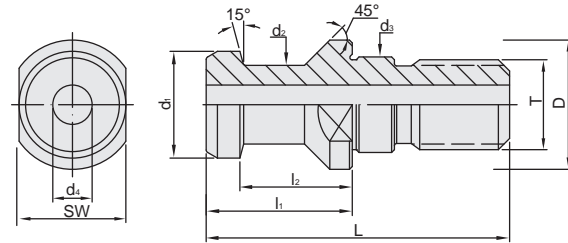
DAT PULL STUDS

COOLANT TYPE

SYIC-49000

DAT 給水型螺栓拉頭

DIN 69872 - A



• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	d ₄	L	l ₁	l ₂	SW	T	WEIGHT (KGS)
SYIC - 49001	DAT30 - A	17	13	9	13	-	44	24	19	14	M12	0.03
SYIC - 49003	DAT40 - A	23	19	14	17	7	54	26	20	19	M16	0.09
SYIC - 49005	DAT50 - A	36	28	21	25	11.5	74	34	25	30	M24	0.25

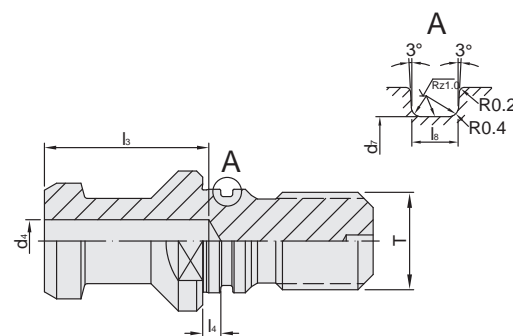


DAT PULL STUDS

SYIC-49010

DAT 螺栓拉頭

DIN 69872 - B



• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	d ₄	L	l ₁	l ₂	l ₃	l ₄	SW	T	WEIGHT (KGS)
SYIC - 49011	DAT30 - B	17	13	9	13	-	44	24	19	-	2.3	14	M12	0.03
SYIC - 49013	DAT40 - B	23	19	14	17	7	54	26	20	27	3	19	M16	0.09
SYIC - 49015	DAT50 - B	36	28	21	25	11.5	74	34	25	37	4.5	30	M24	0.25



DAT PULL STUDS COOLANT TYPE

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SYIC-49030

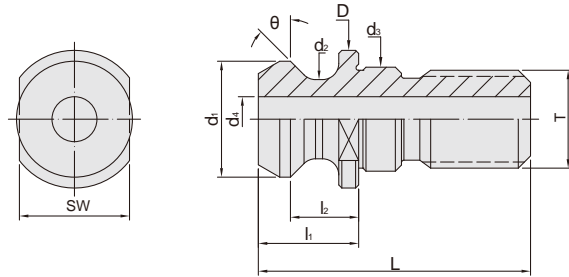
DAT 給水型螺栓拉頭

ISO 7388/2

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• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	d ₄	L	l ₁	l ₂	θ	SW	T	WEIGHT (KGS)
SYIC - 49032	DAT40 - A	23	19	14	17	7	54	26	20	15°	19	M16	0.09
SYIC - 49034	DAT50 - A	36	28	21	25	11.5	74	34	25		30	M24	0.25
SYIC - 49036	DAT40 - B	22.5	18.95	12.95	17	7.35	44.5	16.4	11.15	45°	18	M16	0.03
SYIC - 49038	DAT50 - B	37	29.1	19.6	25	11.55	65.5	25.55	17.95		30	M24	0.10

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ISO PULL STUDS

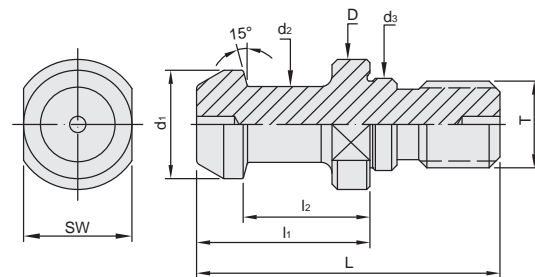
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SYIC-49000

ISO 螺栓拉頭

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• Please make sure the pull stud conforms to the machine type.

MODEL NO.	TYPE	D	d ₁	d ₂	d ₃	L	l ₁	l ₂	l ₄	SW	T	WEIGHT (KGS)
SYIC - 49000 - ISO20	ISO20 - 15°	12	9	6	8.5	26	12	9	2.7	10	M8	0.01
SYIC - 42194 - ISO25 - 02	ISO25 - 45°	12	10	7	9	31	18	13.5	2.5	10	M8	0.02
SYIC - 49000 - ISO25	ISO25 - 15°	12	10	7	8.5	28	16	11.7	2.5	10	M8	0.02
SYIC - 49001 - 45	ISO30	17	12.8	9	13	45	24	19	4	14	M12	0.03

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SYIC'S ER SYSTEM- COMPLETE - ACCURATE - PRODUCTIVE

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SYIC-04200
ER Spring
Collet



SYIC-04540
Steel
Sealed
Collet



SYIC-05320
ER-TC
Rigid
Tapping
Collet



SYIC - 254
ER-TCO
Rigid Tap
Sealed Collet



SYIC-202.126
ER-FID
Coolant Collet



SYIC-202.127
ER-FOD
Coolant Collet



SYIC-08300
Sealed
Collet



SYIC-04520P
Mini-ER
Collet Nut



SYIC-04500P
Hexagon ER
Collet Nut



SYIC-04510P
Standard ER
Collet Nut



SYIC-08650P
High Speed
ER Collet Nut



SYIC-08680P
High Speed
Precision
ER Collet Nut



SYIC-206.130
Wind
Resistance Nut



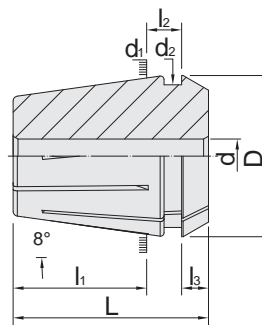
STEEL SEALED COLLET

SYIC-04540

ER 斜槽止水筒夾



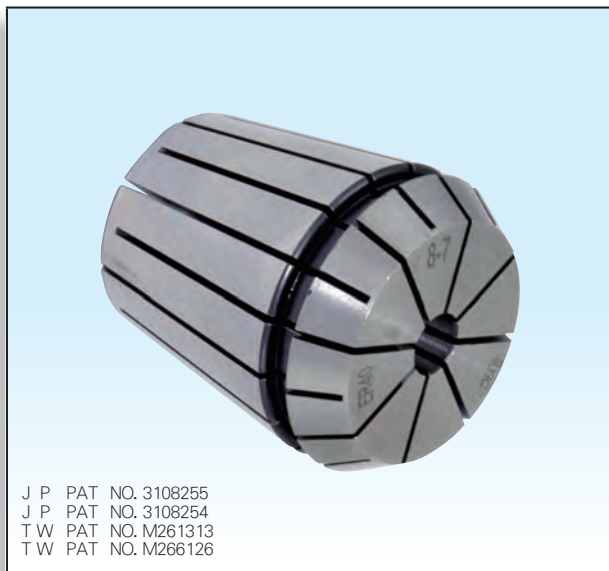
T W PAT NO. M 285418
T W PAT NO. M 311516
J P PAT NO. 3124650
C H PAT NO. 696264



- Patent owned.
- Special slots attain sealing purpose and better rigidity.
- Water pressure up to 1500 PSI.

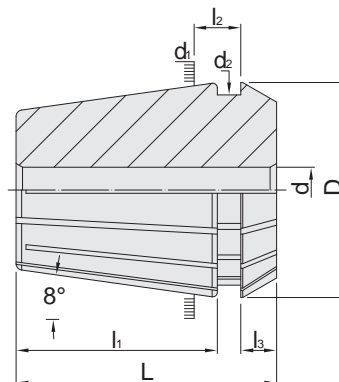
MODEL NO.	TYPE	d	D	d ₁	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
SYIC - 04543	ER16	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	17	16	27.5	20.8	6.25	4	0.03
SYIC - 04544	ER20	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	21	20	31.5	23.9	6.36	4.8	0.04
SYIC - 04545	ER25	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16	26	25	34	25.9	6.66	5	0.06
SYIC - 04546	ER32	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20	33	32	40	30.9	7.16	5.5	0.10
SYIC - 04547	ER40	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15, 15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 20.5, 21, 21.5, 22, 22.5, 23, 23.5, 24, 24.5, 25, 25.5, 26	41	40	46	34.9	7.66	7	0.25

SYIC-04210



ER 彈性筒夾

DIN ISO 15488



- Steel: SUJ2 (High-carbon bearing steel: After heat treatment, it has high hardness and toughness, better grinding quality, good flexibility and longer use life.)
- HRC: 46°
- Surface roughness: within Rz2.5
- Chucking range: ER8 = 0.5mm
- ER11, ER16, 20, 25, 32, 40 = 1mm. But if the internal hole is less than 2.5mm, the chucking range will be 0.5mm.

- The internal hole is manufactured by precise honing.
- The concentricity is inspected according to DIN-standard. There are three kinds of classes for precision: general class 0.02mm, A class 0.01mm, and UP class 0.005mm.
- UP class is recommended to be used with HSP clamping nut. It will have better processing stability.
- It is used for drills, taps, mills, and reamers, etc.
- It has flexibility and can be applied widely and variably.
- Please inform the required precision when ordering.
- Yearly sales quantity about 1,000,000 pieces.



ER 25
2 ~ 16



ER 32
3 ~ 20



ER 40
4 ~ 26



ER 50
6 ~ 34



ER 8
1 ~ 5



ER 11
1 ~ 7



ER 16
1 ~ 10



ER 20
2 ~ 13

MODEL NO.	TYPE	E - NO.	SIZE RANGE	D	d ₁	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
SYIC - 04208	ER8	4260E	1.0 - 5.0	8.5	8	13.5	10.8	2.98	1.5	0.005
SYIC - 04211	ER11	4009E	1.0 - 7.0	11.5	11	18	13.5	3.8	2.5	0.010
SYIC - 04216	ER16	426E	1.0 - 10	17	16	27.5	20.8	6.26	4	0.030
SYIC - 04220	ER20	428E	2.0 - 13	21	20	31.5	23.9	6.36	4.8	0.040
SYIC - 04225	ER25	430E	2.0 - 16	26	25	34	25.9	6.66	5	0.060
SYIC - 04232	ER32	470E	3.0 - 20	33	32	40	30.9	7.16	5.5	0.100
SYIC - 04240	ER40	472E	3.0 - 26	41	40	46	34.9	7.66	7	0.250
SYIC - 04250	ER50	477E	6.0 - 34	52	50	60	46	13.4	8.5	0.450



ER COLLET

METRIC SIZE

SYIC-04210

ER 彈性筒夾

DIN ISO 15488



ER 8

ER 8			
MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04208 - 01	1 - 0.5	SYIC - 04208 - 03.5	3.5 - 3
SYIC - 04208 - 01.5	1.5 - 1	SYIC - 04208 - 04	4 - 3.5
SYIC - 04208 - 02	2 - 1.5	SYIC - 04208 - 04.5	4.5 - 4
SYIC - 04208 - 02.5	2.5 - 2	SYIC - 04208 - 05	5 - 4.5
SYIC - 04208 - 03	3 - 2.5		

ER 11

ER 11							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04211 - 01	1 - 0.5	SYIC - 04211 - 03	3 - 2	SYIC - 04211 - 05	5 - 4	SYIC - 04211 - 07	7 - 6
SYIC - 04211 - 01.5	1.5 - 1	SYIC - 04211 - 03.5	3.5 - 2.5	SYIC - 04211 - 05.5	5.5 - 4.5		
SYIC - 04211 - 02	2 - 1.5	SYIC - 04211 - 04	4 - 3	SYIC - 04211 - 06	6 - 5		
SYIC - 04211 - 02.5	2.5 - 2	SYIC - 04211 - 04.5	4.5 - 3.5	SYIC - 04211 - 06.5	6.5 - 5.5		

ER 16

ER 16							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04216 - 01	1 - 0.5	SYIC - 04216 - 03.5	3.5 - 2.5	SYIC - 04216 - 06	6 - 5	SYIC - 04216 - 08.5	8.5 - 7.5
SYIC - 04216 - 01.5	1.5 - 1	SYIC - 04216 - 04	4 - 3	SYIC - 04216 - 06.5	6.5 - 5.5	SYIC - 04216 - 09	9 - 8
SYIC - 04216 - 02	2 - 1.5	SYIC - 04216 - 04.5	4.5 - 3.5	SYIC - 04216 - 07	7 - 6	SYIC - 04216 - 09.5	9.5 - 8.5
SYIC - 04216 - 02.5	2.5 - 2	SYIC - 04216 - 05	5 - 4	SYIC - 04216 - 07.5	7.5 - 6.5	SYIC - 04216 - 10	10 - 9
SYIC - 04216 - 03	3 - 2	SYIC - 04216 - 05.5	5.5 - 4.5	SYIC - 04216 - 08	8 - 7		

ER 20

ER 20							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04220 - 01	1 - 0.5	SYIC - 04220 - 04.5	4.5 - 3.5	SYIC - 04220 - 08	8 - 7	SYIC - 04220 - 11.5	11.5 - 10.5
SYIC - 04220 - 01.5	1.5 - 1	SYIC - 04220 - 05	5 - 4	SYIC - 04220 - 08.5	8.5 - 7.5	SYIC - 04220 - 12	12 - 11
SYIC - 04220 - 02	2 - 1.5	SYIC - 04220 - 05.5	5.5 - 4.5	SYIC - 04220 - 09	9 - 8	SYIC - 04220 - 12.5	12.5 - 11.5
SYIC - 04220 - 02.5	2.5 - 2	SYIC - 04220 - 06	6 - 5	SYIC - 04220 - 09.5	9.5 - 8.5	SYIC - 04220 - 13	13 - 12
SYIC - 04220 - 03	3 - 2	SYIC - 04220 - 06.5	6.5 - 5.5	SYIC - 04220 - 10	10 - 9		
SYIC - 04220 - 03.5	3.5 - 2.5	SYIC - 04220 - 07	7 - 6	SYIC - 04220 - 10.5	10.5 - 9.5		
SYIC - 04220 - 04	4 - 3	SYIC - 04220 - 07.5	7.5 - 6.5	SYIC - 04220 - 11	11 - 10		

ER 25

ER 25							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04225 - 01	1 - 0.5	SYIC - 04225 - 05	5 - 4	SYIC - 04225 - 09	9 - 8	SYIC - 04225 - 13	13 - 12
SYIC - 04225 - 01.5	1.5 - 1	SYIC - 04225 - 05.5	5.5 - 4.5	SYIC - 04225 - 09.5	9.5 - 8.5	SYIC - 04225 - 13.5	13.5 - 12.5
SYIC - 04225 - 02	2 - 1.5	SYIC - 04225 - 06	6 - 5	SYIC - 04225 - 10	10 - 9	SYIC - 04225 - 14	14 - 13
SYIC - 04225 - 02.5	2.5 - 2	SYIC - 04225 - 06.5	6.5 - 5.5	SYIC - 04225 - 10.5	10.5 - 9.5	SYIC - 04225 - 14.5	14.5 - 13.5
SYIC - 04225 - 03	3 - 2	SYIC - 04225 - 07	7 - 6	SYIC - 04225 - 11	11 - 10	SYIC - 04225 - 15	15 - 14
SYIC - 04225 - 03.5	3.5 - 2.5	SYIC - 04225 - 07.5	7.5 - 6.5	SYIC - 04225 - 11.5	11.5 - 10.5	SYIC - 04225 - 15.5	15.5 - 14.5
SYIC - 04225 - 04	4 - 3	SYIC - 04225 - 08	8 - 7	SYIC - 04225 - 12	12 - 11	SYIC - 04225 - 16	16 - 15
SYIC - 04225 - 04.5	4.5 - 3.5	SYIC - 04225 - 08.5	8.5 - 7.5	SYIC - 04225 - 12.5	12.5 - 11.5		



ER COLLET METRIC SIZE

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SYIC-04210

ER 彈性筒夾

DIN ISO 15488

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ER 32							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04232 - 02	2 - 1.5	SYIC - 04232 - 07	7 - 6	SYIC - 04232 - 12	12 - 11	SYIC - 04232 - 17	17 - 16
SYIC - 04232 - 02.5	2.5 - 2	SYIC - 04232 - 07.5	7.5 - 6.5	SYIC - 04232 - 12.5	12.5 - 11.5	SYIC - 04232 - 17.5	17.5 - 16.5
SYIC - 04232 - 03	3 - 2	SYIC - 04232 - 08	8 - 7	SYIC - 04232 - 13	13 - 12	SYIC - 04232 - 18	18 - 17
SYIC - 04232 - 03.5	3.5 - 2.5	SYIC - 04232 - 08.5	8.5 - 7.5	SYIC - 04232 - 13.5	13.5 - 12.5	SYIC - 04232 - 18.5	18.5 - 17.5
SYIC - 04232 - 04	4 - 3	SYIC - 04232 - 09	9 - 8	SYIC - 04232 - 14	14 - 13	SYIC - 04232 - 19	19 - 18
SYIC - 04232 - 04.5	4.5 - 3.5	SYIC - 04232 - 09.5	9.5 - 8.5	SYIC - 04232 - 14.5	14.5 - 13.5	SYIC - 04232 - 19.5	19.5 - 18.5
SYIC - 04232 - 05	5 - 4	SYIC - 04232 - 10	10 - 9	SYIC - 04232 - 15	15 - 14	SYIC - 04232 - 20	20 - 19
SYIC - 04232 - 05.5	5.5 - 4.5	SYIC - 04232 - 10.5	10.5 - 9.5	SYIC - 04232 - 15.5	15.5 - 14.5		
SYIC - 04232 - 06	6 - 5	SYIC - 04232 - 11	11 - 10	SYIC - 04232 - 16	16 - 15		
SYIC - 04232 - 06.5	6.5 - 5.5	SYIC - 04232 - 11.5	11.5 - 10.5	SYIC - 04232 - 16.5	16.5 - 15.5		

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ER 40							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04240 - 03	3 - 2	SYIC - 04240 - 09	9 - 8	SYIC - 04240 - 15	15 - 14	SYIC - 04240 - 21	21 - 20
SYIC - 04240 - 03.5	3.5 - 2.5	SYIC - 04240 - 09.5	9.5 - 8.5	SYIC - 04240 - 15.5	15.5 - 14.5	SYIC - 04240 - 21.5	21.5 - 20.5
SYIC - 04240 - 04	4 - 3	SYIC - 04240 - 10	10 - 9	SYIC - 04240 - 16	16 - 15	SYIC - 04240 - 22	22 - 21
SYIC - 04240 - 04.5	4.5 - 3.5	SYIC - 04240 - 10.5	10.5 - 9.5	SYIC - 04240 - 16.5	16.5 - 15.5	SYIC - 04240 - 22.5	22.5 - 21.5
SYIC - 04240 - 05	5 - 4	SYIC - 04240 - 11	11 - 10	SYIC - 04240 - 17	17 - 16	SYIC - 04240 - 23	23 - 22
SYIC - 04240 - 05.5	5.5 - 4.5	SYIC - 04240 - 11.5	11.5 - 10.5	SYIC - 04240 - 17.5	17.5 - 16.5	SYIC - 04240 - 23.5	23.5 - 22.5
SYIC - 04240 - 06	6 - 5	SYIC - 04240 - 12	12 - 11	SYIC - 04240 - 18	18 - 17	SYIC - 04240 - 24	24 - 23
SYIC - 04240 - 06.5	6.5 - 5.5	SYIC - 04240 - 12.5	12.5 - 11.5	SYIC - 04240 - 18.5	18.5 - 17.5	SYIC - 04240 - 24.5	24.5 - 23.5
SYIC - 04240 - 07	7 - 6	SYIC - 04240 - 13	13 - 12	SYIC - 04240 - 19	19 - 18	SYIC - 04240 - 25	25 - 24
SYIC - 04240 - 07.5	7.5 - 6.5	SYIC - 04240 - 13.5	13.5 - 12.5	SYIC - 04240 - 19.5	19.5 - 18.5	SYIC - 04240 - 25.5	25.5 - 24.5
SYIC - 04240 - 08	8 - 7	SYIC - 04240 - 14	14 - 13	SYIC - 04240 - 20	20 - 19	SYIC - 04240 - 26	26 - 25
SYIC - 04240 - 08.5	8.5 - 7.5	SYIC - 04240 - 14.5	14.5 - 13.5	SYIC - 04240 - 20.5	20.5 - 19.5		

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ER 50							
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04250 - 06	6 - 5	SYIC - 04250 - 14	14 - 12	SYIC - 04250 - 22	22 - 20	SYIC - 04250 - 30	30 - 28
SYIC - 04250 - 07	7 - 6	SYIC - 04250 - 15	15 - 13	SYIC - 04250 - 23	23 - 21	SYIC - 04250 - 31	31 - 29
SYIC - 04250 - 08	8 - 7	SYIC - 04250 - 16	16 - 14	SYIC - 04250 - 24	24 - 22	SYIC - 04250 - 32	32 - 30
SYIC - 04250 - 09	9 - 8	SYIC - 04250 - 17	17 - 15	SYIC - 04250 - 25	25 - 23	SYIC - 04250 - 33	33 - 31
SYIC - 04250 - 10	10 - 9	SYIC - 04250 - 18	18 - 16	SYIC - 04250 - 26	26 - 24	SYIC - 04250 - 34	34 - 32
SYIC - 04250 - 11	11 - 9	SYIC - 04250 - 19	19 - 17	SYIC - 04250 - 27	27 - 25		
SYIC - 04250 - 12	12 - 10	SYIC - 04250 - 20	20 - 18	SYIC - 04250 - 28	28 - 26		
SYIC - 04250 - 13	13 - 11	SYIC - 04250 - 21	21 - 19	SYIC - 04250 - 29	29 - 27		

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ER COLLET INCH SIZE

ER 8	
MODEL NO.	RANGE
SYIC - 04208 - 1/16"	0.043" - 0.062"
SYIC - 04208 - 1/8"	0.086" - 0.125"
SYIC - 04208 - 3/16"	0.148" - 0.187"

ER 11			
MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04211 - 1/16"	0.043" - 0.062"	SYIC - 04211 - 3/16"	0.148" - 0.187"
SYIC - 04211 - 3/32"	0.054" - 0.093"	SYIC - 04211 - 7/32"	0.179" - 0.218"
SYIC - 04211 - 1/8"	0.086" - 0.125"	SYIC - 04211 - 1/4"	0.211" - 0.250"
SYIC - 04211 - 5/32"	0.117" - 0.156"		

ER 16					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04216 - 1/16"	0.043" - 0.062"	SYIC - 04216 - 3/16"	0.148" - 0.187"	SYIC - 04216 - 5/16"	0.273" - 0.312"
SYIC - 04216 - 3/32"	0.054" - 0.093"	SYIC - 04216 - 7/32"	0.179" - 0.218"	SYIC - 04216 - 11/32"	0.304" - 0.343"
SYIC - 04216 - 1/8"	0.086" - 0.125"	SYIC - 04216 - 1/4"	0.211" - 0.250"	SYIC - 04216 - 3/8"	0.336" - 0.375"
SYIC - 04216 - 5/32"	0.117" - 0.156"	SYIC - 04216 - 9/32"	0.242" - 0.281"	SYIC - 04216 - 13/32"	0.367" - 0.406"

ER 20					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04220 - 1/16"	0.043" - 0.062"	SYIC - 04220 - 7/32"	0.179" - 0.218"	SYIC - 04220 - 3/8"	0.336" - 0.375"
SYIC - 04220 - 3/32"	0.054" - 0.093"	SYIC - 04220 - 1/4"	0.211" - 0.250"	SYIC - 04220 - 13/32"	0.367" - 0.406"
SYIC - 04220 - 1/8"	0.086" - 0.125"	SYIC - 04220 - 9/32"	0.242" - 0.281"	SYIC - 04220 - 7/16"	0.398" - 0.437"
SYIC - 04220 - 5/32"	0.117" - 0.156"	SYIC - 04220 - 5/16"	0.273" - 0.312"	SYIC - 04220 - 15/32"	0.429" - 0.468"
SYIC - 04220 - 3/16"	0.148" - 0.187"	SYIC - 04220 - 11/32"	0.304" - 0.343"	SYIC - 04220 - 1/2"	0.461" - 0.500"

ER 25					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04225 - 3/32"	0.054" - 0.093"	SYIC - 04225 - 9/32"	0.242" - 0.281"	SYIC - 04225 - 15/32"	0.429" - 0.468"
SYIC - 04225 - 1/8"	0.086" - 0.125"	SYIC - 04225 - 5/16"	0.273" - 0.312"	SYIC - 04225 - 1/2"	0.461" - 0.500"
SYIC - 04225 - 5/32"	0.117" - 0.156"	SYIC - 04225 - 11/32"	0.304" - 0.343"	SYIC - 04225 - 17/32"	0.492" - 0.531"
SYIC - 04225 - 3/16"	0.148" - 0.187"	SYIC - 04225 - 3/8"	0.336" - 0.375"	SYIC - 04225 - 9/16"	0.523" - 0.562"
SYIC - 04225 - 7/32"	0.179" - 0.218"	SYIC - 04225 - 13/32"	0.367" - 0.406"	SYIC - 04225 - 19/32"	0.554" - 0.593"
SYIC - 04225 - 1/4"	0.211" - 0.250"	SYIC - 04225 - 7/16"	0.398" - 0.437"	SYIC - 04225 - 5/8"	0.586" - 0.625"

ER 32					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04232 - 1/16"	0.043" - 0.062"	SYIC - 04232 - 5/16"	0.273" - 0.312"	SYIC - 04232 - 9/16"	0.523" - 0.562"
SYIC - 04232 - 3/32"	0.054" - 0.093"	SYIC - 04232 - 11/32"	0.304" - 0.343"	SYIC - 04232 - 19/32"	0.554" - 0.593"
SYIC - 04232 - 1/8"	0.086" - 0.125"	SYIC - 04232 - 3/8"	0.336" - 0.375"	SYIC - 04232 - 5/8"	0.586" - 0.625"
SYIC - 04232 - 5/32"	0.117" - 0.156"	SYIC - 04232 - 13/32"	0.367" - 0.406"	SYIC - 04232 - 21/32"	0.617" - 0.656"
SYIC - 04232 - 3/16"	0.148" - 0.187"	SYIC - 04232 - 7/16"	0.398" - 0.437"	SYIC - 04232 - 11/16"	0.648" - 0.687"
SYIC - 04232 - 7/32"	0.179" - 0.218"	SYIC - 04232 - 15/32"	0.429" - 0.468"	SYIC - 04232 - 23/32"	0.679" - 0.718"
SYIC - 04232 - 1/4"	0.211" - 0.250"	SYIC - 04232 - 1/2"	0.461" - 0.500"	SYIC - 04232 - 3/4"	0.711" - 0.750"
SYIC - 04232 - 9/32"	0.242" - 0.281"	SYIC - 04232 - 17/32"	0.492" - 0.531"		

ER 40					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04240 - 1/8"	0.086" - 0.125"	SYIC - 04240 - 3/8"	0.336" - 0.375"	SYIC - 04240 - 5/8"	0.586" - 0.625"
SYIC - 04240 - 5/32"	0.117" - 0.156"	SYIC - 04240 - 13/32"	0.367" - 0.406"	SYIC - 04240 - 21/32"	0.617" - 0.656"
SYIC - 04240 - 3/16"	0.148" - 0.187"	SYIC - 04240 - 7/16"	0.398" - 0.437"	SYIC - 04240 - 11/16"	0.648" - 0.687"
SYIC - 04240 - 7/32"	0.179" - 0.218"	SYIC - 04240 - 15/32"	0.429" - 0.468"	SYIC - 04240 - 23/32"	0.679" - 0.718"
SYIC - 04240 - 1/4"	0.211" - 0.250"	SYIC - 04240 - 1/2"	0.461" - 0.500"	SYIC - 04240 - 3/4"	0.711" - 0.750"
SYIC - 04240 - 9/32"	0.242" - 0.281"	SYIC - 04240 - 17/32"	0.492" - 0.531"	SYIC - 04240 - 7/8"	0.836" - 0.875"
SYIC - 04240 - 5/16"	0.273" - 0.312"	SYIC - 04240 - 9/16"	0.523" - 0.562"	SYIC - 04240 - 1"	0.961" - 1.00"
SYIC - 04240 - 11/32"	0.304" - 0.343"	SYIC - 04240 - 19/32"	0.554" - 0.593"		

ER 50					
MODEL NO.	RANGE	MODEL NO.	RANGE	MODEL NO.	RANGE
SYIC - 04250 - 7/32"	0.179" - 0.219"	SYIC - 04250 - 17/32"	0.453" - 0.531"	SYIC - 04250 - 1"	0.921" - 1.000"
SYIC - 04250 - 1/4"	0.211" - 0.250"	SYIC - 04250 - 5/8"	0.546" - 0.625"	SYIC - 04250 - 1-3/32"	1.015" - 1.094"
SYIC - 04250 - 5/16"	0.273" - 0.313"	SYIC - 04250 - 11/16"	0.609" - 0.688"	SYIC - 04250 - 1-3/16"	1.109" - 1.188"
SYIC - 04250 - 11/32"	0.304" - 0.344"	SYIC - 04250 - 25/32"	0.703" - 0.781"	SYIC - 04250 - 1-1/4"	1.171" - 1.250"
SYIC - 04250 - 3/8"	0.336" - 0.375"	SYIC - 04250 - 27/32"	0.765" - 0.844"	SYIC - 04250 - 1-5/16"	1.234" - 1.313"
SYIC - 04250 - 7/16"	0.359" - 0.438"	SYIC - 04250 - 15/16"	0.859" - 0.938"		



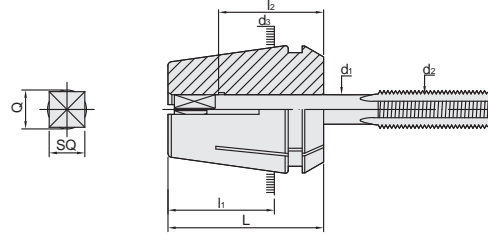
ER - TC RIGID TAP COLLETS

SYIC-05320

ER 鋼性攻牙筒夾



T W PAT NO. 148435
 T W PAT NO. 333253
 C H PAT NO. 693702
 C N PAT NO.ZL200820102787.2



- Steel: SUJ2. • HRC 46°.
- Suitable for rigid tapping in machine centers and other tapping machines.
- External dia. is based on DIN ISO 15488.
- When making an order, please inform collet type and the size of d1.

MODEL NO.	TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
SYIC - 05320	ER 16	16	27.5	20.8	M3 ~ M10	0.03
SYIC - 05410	ER 20	20	31.5	23.9	M3 ~ M17	0.04
SYIC - 05510	ER 25	25	34	25.9	M3 ~ M22	0.06
SYIC - 05570	ER 32	32	40	31.8	M3 ~ M27	0.10
SYIC - 05710	ER 40	40	46	35.5	M3 ~ M27	0.25
SYIC - 05780	ER 50	50	60	46	M10 ~ M33	0.45

ER - TC16 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD		
05322	2.24	2	M3	1.8	18	ISO-529	05336	4.5	4.0	M4	3.4	18	DIN-371	05346	6.3	5.21	M6	5	18	ISO-529		
05324	2.5	2.2	M3.5	2.1		DIN-376				M8	5		ISO-529									
			M3.5	2.0		ISO-529				M9	5.5		JIS									
05326	2.8	2.6	M4	2.1		DIN-376		M4	4	JIS	05348		7		5.84	M10	5.5	JIS				
05328	3.15	2.9	M3	2.5		ISO-529		M4.5	4	JIS						M10	5.5	DIN-352				
			M4	2.5		ISO-529		M5	4	ISO-529	M10		5.5		DIN-376							
05330	3.5	3.3	M3	2.7		DIN-352		05340	5.5	4.73	M5		4.5		JIS	05350	8	6.88		M8	6.2	DIN-371
			M3	2.7		DIN-371					M5.5		4.5		JIS					M8	6.3	ISO-529
			M5	2.7		DIN-376					M5		4.9		DIN-352					M10	6.3	ISO-529
05332	3.55	3.3	M3.5	2.8		ISO-529		05342	6	5.09	M5		4.9		DIN-371	05352	8.5	7.14		M11	6	JIS
			M4.5	2.8		ISO-529					M6		4.5		JIS					M12	6.5	JIS
05334	4	3.8	M3	3.2		JIS		05344	6.2	5.21	M6		4.9		DIN-352	05354	9	7.95		M12	7	DIN-352
			M3.5	3	DIN-352	M6	4.9				DIN-371	M12	7	DIN-376								
			M3.5	3	DIN-371	M8	4.9				DIN-352	M12	7.1	ISO-529								
			M4	3.15	ISO-529	M8	4.9				DIN-376	M10	8	DIN-371								
			M5	3.15	ISO-529	M7	5				JIS	05356	10	9.16	M10				8	ISO-529		
05336	4.5	4.0	M4	3.4	DIN-352	M8	5	JIS														

ER - TC20 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD		
05412	2.24	2	M3	1.8	18	ISO-529	05430	5	4.7	M4	4	18	JIS	05442	8	6.88	M8	6.2	22	DIN-371		
05416	2.5	2.2	M3.5	2.1		DIN-376				M4.5	4		JIS				M8	6.3		ISO-529		
			M3.5	2.0		ISO-529				M5	4		ISO-529				M10	6.3		ISO-529		
05418	2.8	2.6	M4	2.1		DIN-376		05432	5.5	4.73	M5		4.5		JIS	05444	8.5	7.14		M11	6	JIS
05420	3.15	2.9	M3	2.5		ISO-529					M5.5		4.5		JIS					M12	6.5	JIS
05422	3.5	3.3	M4	2.5		ISO-529		05434	6	5.09	M5		4.9		DIN-352	05446	9	7.95		M12	7	DIN-376
			M3	2.7		DIN-352					M5		4.9		DIN-371					M12	7.1	ISO-529
			M5	2.7		DIN-376					M6		4.5		JIS					M12	7.1	ISO-529
05424	3.55	3.3	M3.5	2.8		ISO-529		05436	6.2	5.21	M6		4.9		DIN-352	05448	10	9.16		M10	8	DIN-371
			M4.5	2.8		ISO-529					M6		4.9		DIN-371					M10	8	ISO-529
05426	4	3.8	M3	3.2		JIS		05438	6.3	5.21	M8		4.9		DIN-376	05450	10.5	9.16		M14	8	JIS
			M3.5	3		DIN-352					M8		4.9		JIS					M15	8	JIS
			M3.5	3	DIN-371	M7	5				JIS	05452	11	10.53	M14				9	DIN-352		
			M4	3.15	ISO-529	M8	5				JIS				M14				9	DIN-376		
			M5	3.15	ISO-529	05438	6.3				5.21	M6	5	ISO-529	05454				11.2	10.53	M14	9
05428	4.5	4.0	M4	3.4	DIN-352			M8	5	ISO-529		M16	9	DIN-352								
05428	4.5	4.0	M4	3.4	DIN-371	05440	7	5.81	M9	5.5	JIS	05456	12	10.53	M16	9	DIN-376					
			M6	3.4	DIN-376				M10	5.5	JIS				05458	12.5	11.91	M16	10	JIS		
			M6	3.55	ISO-529				M10	5.5	DIN-352							M16	10	ISO-529		
05460	13	11.91	M17	10	DIN-376	05460	13	11.91	M17	10	JIS											

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ER - TC25 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05512	2.24	2	M3	1.8	18	ISO-529	05532	5.5	4.73	M5	4.5	18	JIS	05548	9	7.95	M12	7	22	DIN-376
05514	2.5	2.2	M3.5	2.1		DIN-376				M5.5	4.5		JIS				M12	7.1		ISO-529
			M3.5	2.0		ISO-529				M5	4.9		DIN-352	M10	8	DIN-371				
05516	2.8	2.6	M4	2.1		DIN-376	05534	6	5.09	M5	4.9		DIN-371	05550	10	9.16	M10	8		ISO-529
05518	3.15	2.9	M3	2.5		ISO-529				M6	4.5		JIS				05552	10.5		9.16
			M4	2.5		ISO-529				M6	4.9		DIN-352	M15	8	JIS				
05520	3.5	3.3	M3	2.7		DIN-352				M6	4.9		DIN-371	05554	11	10.53	M14	9		DIN-352
			M3	2.7		DIN-371				M8	4.9		DIN-352				M14	9		DIN-376
			M5	2.7		DIN-376				M8	4.9		DIN-376				05556	11.2		10.53
05522	3.55	3.3	M3.5	2.8		ISO-529	05536	6.2	5.21	M7	5		JIS	05558	12	10.53	M16	9		DIN-352
			M4.5	2.8		ISO-529				M8	5		JIS				M16	9		DIN-376
05524	4	3.8	M3	3.2		JIS	05538	6.3	5.21	M6	5		ISO-529	05560	12.5	11.91	M16	10		JIS
			M3.5	3	DIN-352	M8				5	ISO-529	M16	10				ISO-529			
			M3.5	3	DIN-371	05540	7	5.84	M9	5.5	JIS	05562	13				11.91	M17	10	JIS
			M4	3.15	ISO-529				M10	5.5	JIS							M18	11	JIS
			M5	3.15	ISO-529				M10	5.5	DIN-352							M18	11	DIN-352
05526	4.5	4.0	M4	3.4	DIN-352	05542	8	6.88	M10	5.5	DIN-376	05564	14	12.97	M18	11	DIN-376			
			M4	3.4	DIN-371				M8	6.2	DIN-371				M18	11.2	ISO-529			
			M6	3.4	DIN-376				M8	6.3	ISO-529				M20	11.2	ISO-529			
			M6	3.55	ISO-529				M10	6.3	ISO-529				05566	15	14.06	M20	12	JIS
05530	5	4.7	M4	4	JIS	05546	8.5	7.14	M11	6	JIS	05568	16	14.8	M20	12	DIN-352			
			M4.5	4	JIS				M12	6.5	JIS				M20	12	DIN-376			
			M5	4	ISO-529				05548	9	7.95				M12	7	DIN-352	M22	12.5	ISO-529

ER - TC32 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
05572	2.24	2	M3	1.8	18	ISO-529	05592	6	5.09	M6	4.5	18	JIS	05610	11	10.53	M14	9	25	DIN-376
05574	2.5	2.2	M3.5	2.1		DIN-376				M6	4.9		DIN-352				05612	11.2		10.53
			M3.5	2.0		ISO-529				M6	4.9		DIN-371	05614	12	10.53	M16	9		DIN-352
05576	2.8	2.6	M4	2.1		DIN-376	05594	6.2	5.21	M8	4.9		DIN-352				05616	12.5		11.91
05578	3.15	2.9	M3	2.5		ISO-529				M8	4.9		DIN-376	JIS	M16	10				
			M4	2.5		ISO-529	M7	5	JIS	M16	10		ISO-529							
05580	3.5	3.3	M3	2.7		DIN-352	05596	6.3	5.21	M8	5		JIS	05618	13	11.91	M17	10		JIS
			M3	2.7		DIN-371				M6	5		ISO-529				05620	14		12.97
			M5	2.7		DIN-376	M8	5	ISO-529	M18	11		DIN-352							
05582	3.55	3.3	M3.5	2.8		ISO-529	05598	7	5.84	M9	5.5		JIS	05622	15	14.06	M18	11.2		ISO-529
			M4.5	2.8		ISO-529				M10	5.5		JIS				M20	11.2		ISO-529
05584	4	3.8	M3	3.2		JIS				05600	8		6.88				M10	5.5		DIN-352
			M3.5	3	DIN-352	M10	5.5	DIN-352	M20			12		JIS						
			M3.5	3	DIN-371	05602	8.5	7.14	M10	5.5	DIN-376	05626	17	15.44	M20	12	DIN-352			
			M4	3.15	ISO-529				M8	6.2	DIN-371				M20	12	DIN-376			
			M5	3.15	ISO-529				M8	6.3	ISO-529				M22	12.5	ISO-529			
05586	4.5	4.0	M4	3.4	DIN-352	05604	9	7.95	M10	6.3	ISO-529	05628	18	17.52	M22	13	JIS			
			M4	3.4	DIN-371				M11	6	JIS				05630	19	18.22	M22	14.5	DIN-352
			M6	3.4	DIN-376	05606	10	9.16	M12	7	ISO-529							M22	14.5	DIN-376
			M6	3.55	ISO-529				M12	7	DIN-352				M24	14.5	DIN-352			
05588	5	4.7	M4	4	JIS	05608	10.5	9.16	M12	7.1	ISO-529	05632	20	19.61	M24	14.5	DIN-376			
			M4.5	4	JIS				M10	8	DIN-371				M24	14	ISO-529			
			M5	4	ISO-529				M10	8	ISO-529				M24	15	JIS			
05590	5.5	4.73	M5	4.5	JIS	05610	11	10.53	M14	8	JIS	05632	20	19.61	M26	15	JIS			
			M5.5	4.5	JIS				M15	8	JIS				M27	15	JIS			
05592	6	5.09	M5	4.9	DIN-352	05610	11	10.53	M14	9	DIN-352									
			M5	4.9	DIN-371															



ER - TC RIGID TAP COLLETS

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ER - TC40 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	
05712	2.24	2	M3	1.8	18	ISO-529	05732	6	5.09	M6	4.5	18	JIS	05750	11	10.53	M14	9	25	DIN-376	
05714	2.5	2.2	M3.5	2.1		DIN-376				M6	4.9		DIN-352	05752	11.2	10.53	M14	9		ISO-529	
			M3.5	2.0		ISO-529				M6	4.9		DIN-371	05754	12	10.53	M16	9		DIN-352	
05716	2.8	2.6	M4	2.1		DIN-376				M8	4.9		DIN-352				M16	9		DIN-376	
05718	3.15	2.9	M3	2.5		ISO-529				M8	4.9		DIN-376	05756	12.5	11.91	M16	10		JIS	
			M4	2.5		ISO-529				M7	5		JIS				M16	10		ISO-529	
05720	3.5	3.3	M3	2.7		DIN-352	05734	6.2	5.21	M8	5	JIS	05758	13	11.91	M17	10	JIS			
			M3	2.7		DIN-371				M6	5	ISO-529				M18	11	JIS			
			M5	2.7		DIN-376				M8	5	ISO-529				05760	14	12.97	M18	11	DIN-352
05722	3.55	3.3	M3.5	2.8		ISO-529	05738	7	5.84	M9	5.5	JIS	M18	11	DIN-376						
			M4.5	2.8		ISO-529				M10	5.5	JIS	M18	11.2	ISO-529						
05724	4	3.8	M3	3.2		JIS	05738	7	5.84	M10	5.5	DIN-352	05762	15	14.06	M20	12	JIS			
			M3.5	3		DIN-352				M10	5.5	DIN-352				M20	12	DIN-352			
			M3.5	3		DIN-371				M10	5.5	DIN-376				05764	16	14.8	M20	12	DIN-376
			M4	3.15		ISO-529				05740	8	6.88							M8	6.2	DIN-371
			M5	3.15		ISO-529										M8	6.3	ISO-529	05766	17	15.44
05726	4.5	4.0	M4	3.4		DIN-352	05742	8.5	7.14	M12	6.5	JIS	05768	18	17.52	M22	14.5	DIN-352			
			M4	3.4		DIN-371				M12	7	DIN-352				M22	14.5	DIN-376			
			M6	3.4	DIN-376	05744				9	7.95	M12				7	DIN-376	M24	14.5	DIN-352	
			M6	3.55	ISO-529							M12				7.1	ISO-529	M24	14.5	DIN-376	
05728	5	4.7	M4	4	JIS	05746	10	9.16	M10	8	DIN-371	05770	19	18.22	M24	15	JIS				
			M4.5	4	JIS				M10	8	ISO-529				M25	15	JIS				
			M5	4	ISO-529				05748	10.5	9.16				M14	8	JIS	05772	20	19.61	M26
05730	5.5	4.73	M5	4.5	JIS	05750	11	10.53				M14	9	DIN-352							
			05732	6	5.09				M5	4.9	DIN-352										
						M5	4.9	DIN-371													

ER - TC50 RIGID TAP COLLET

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD									
05780-7	7	5.84	M10	5.5	18	JIS	05780-11	11	10.53	M14	9	25	DIN-376	05780-17	17	15.44	M22	13	28	JIS									
			M10	5.5		DIN-352	05780-11.2	11.2	10.53	M14	9		ISO-529	05780-18	18	17.52	M22	14.5		DIN-352									
			M10	5.5		DIN-376	05780-12	12	10.53	M16	9		DIN-352				M22	14.5		DIN-376									
05780-8	8	6.88	M8	6.2		DIN-371				05780-12.5	12.5		11.91	M16	9	DIN-376	05780-19	19		18.22	M24	14.5	DIN-352						
			M8	6.3		ISO-529	M16	10	JIS					05780-20	20	19.61					M24	14.5	DIN-376						
			M10	6.3		ISO-529	M16	10	ISO-529												M24	14	ISO-529						
			M11	6		JIS	05780-13	13	11.91					M17	10	JIS					M24	15	JIS						
05780-8.5	8.5	7.14	M12	6.5		JIS				05780-14	14		12.97	M18	11	JIS	05780-21	21		20.5	M28	17	JIS						
			05780-9	9		7.95	M12	7	DIN-352					05780-15	15	14.06					M18	11	DIN-352	05780-23	23	20.5	M30	17	JIS
							M12	7	DIN-376												05780-16	16	14.8				M18	11.2	ISO-529
05780-10	10	9.16	M10	8		DIN-371	05780-17	17	15.44	M20	11.2		ISO-529	05780-25	25	23.4	M33	19		JIS									
			M10	8		ISO-529				05780-18	18		14.8				M20	12		DIN-352	05780-26	26	23.4	M33	20	DIN-352			
05780-10.5	10.5	9.16	M14	8		JIS	05780-19	19	18.22					05780-20	20	19.61	05780-27	27		23.4				M33	20	DIN-376			
			M15	8		JIS				05780-21	21		20.5								05780-28	28	23.4	05780-29	29	23.4			
05780-11	11	10.53	M14	9		DIN-352	05780-22	22	20.5					05780-30	30	20.5	05780-31	31		23.4									



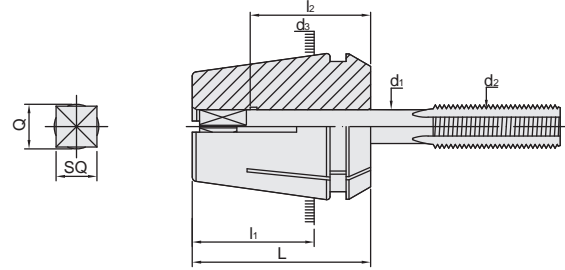
ER - TC RIGID TAP COLLETS

INCH SIZE

ER 鋼性攻牙筒夾

INCH SIZE

ER - TC16 RIGID TAP COLLET					
MODEL NO.	d ₂	d ₁	Q	SQ	l ₂
SYIC - 05320 - 168	5/32	0.168"	0.151"	0.131"	18
SYIC - 05320 - 194	3/16	0.194"	0.180"	0.152"	
SYIC - 05320 - 220	7/32	0.220"	0.198"	0.165"	
SYIC - 05320 - 255	1/4	0.255"	0.198"	0.191"	



ER - TC20 RIGID TAP COLLET

MODEL NO.	d ₂	d ₁	Q	SQ	l ₂	MODEL NO.	d ₂	d ₁	Q	SQ	l ₂
SYIC - 05410 - 168	5/32	0.168"	0.151"	0.131"	18	SYIC - 05410 - 323	7/16	0.323"	0.263"	0.242"	22
SYIC - 05410 - 194	3/16	0.194"	0.180"	0.152"		SYIC - 05410 - 367	1/2	0.367"	0.307"	0.275"	
SYIC - 05410 - 220	7/32	0.220"	0.198"	0.165"		SYIC - 05410 - 381	3/8	0.381"	0.321"	0.286"	
SYIC - 05410 - 255	1/4	0.255"	0.198"	0.191"		SYIC - 05410 - 429	9/16	0.429"	0.370"	0.322"	
SYIC - 05410 - 318	5/16	0.318"	0.258"	0.238"	22						

ER - TC25 RIGID TAP COLLET

MODEL NO.	d ₂	d ₁	Q	SQ	l ₂	MODEL NO.	d ₂	d ₁	Q	SQ	l ₂
SYIC - 05510 - 168	5/32	0.168"	0.151"	0.131"	18	SYIC - 05510 - 367	1/2	0.367"	0.307"	0.275"	22
SYIC - 05510 - 194	3/16	0.194"	0.180"	0.152"		SYIC - 05510 - 381	3/8	0.381"	0.321"	0.286"	
SYIC - 05510 - 220	7/32	0.220"	0.198"	0.165"		SYIC - 05510 - 429	9/16	0.429"	0.370"	0.322"	25
SYIC - 05510 - 255	1/4	0.255"	0.198"	0.191"		SYIC - 05510 - 437	1/8 PT	0.437"	0.378"	0.328"	
SYIC - 05510 - 318	5/16	0.318"	0.258"	0.238"	22	SYIC - 05510 - 480	5/8	0.480"	0.422"	0.360"	
SYIC - 05510 - 323	7/16	0.323"	0.263"	0.242"							

ER - TC32 RIGID TAP COLLET

MODEL NO.	d ₂	d ₁	Q	SQ	l ₂	MODEL NO.	d ₂	d ₁	Q	SQ	l ₂
SYIC - 05570 - 168	5/32	0.168"	0.151"	0.131"	18	SYIC - 05570 - 429	9/16	0.429"	0.370"	0.322"	25
SYIC - 05570 - 194	3/16	0.194"	0.180"	0.152"		SYIC - 05570 - 437	1/8 PT	0.437"	0.378"	0.328"	28
SYIC - 05570 - 220	7/32	0.220"	0.198"	0.165"		SYIC - 05570 - 480	5/8	0.480"	0.422"	0.360"	
SYIC - 05570 - 255	1/4	0.255"	0.198"	0.191"		SYIC - 05570 - 542	11/16	0.542"	0.486"	0.406"	
SYIC - 05570 - 318	5/16	0.318"	0.258"	0.238"	22	SYIC - 05570 - 562	1/4 PT	0.562"	0.483"	0.421"	
SYIC - 05570 - 323	7/16	0.323"	0.263"	0.242"		SYIC - 05570 - 590	3/4	0.590"	0.512"	0.442"	
SYIC - 05570 - 367	1/2	0.367"	0.307"	0.275"		SYIC - 05570 - 652	13/16	0.652"	0.576"	0.489"	
SYIC - 05570 - 381	3/8	0.381"	0.321"	0.286"							

ER - TC40 RIGID TAP COLLET

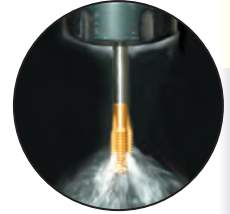
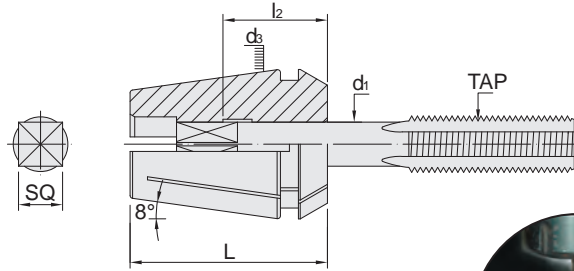
MODEL NO.	d ₂	d ₁	Q	SQ	l ₂	MODEL NO.	d ₂	d ₁	Q	SQ	l ₂
SYIC - 05710 - 255	1/4	0.255"	0.198"	0.191"	18	SYIC - 05710 - 562	1/4 PT	0.562"	0.483"	0.421"	25
SYIC - 05710 - 318	5/16	0.318"	0.258"	0.238"	22	SYIC - 05710 - 590	3/4	0.590"	0.512"	0.442"	
SYIC - 05710 - 323	7/16	0.323"	0.263"	0.242"		SYIC - 05710 - 652	13/16	0.652"	0.576"	0.489"	
SYIC - 05710 - 367	1/2	0.367"	0.307"	0.275"	SYIC - 05710 - 687	1/2 PT	0.687"	0.612"	0.515"		
SYIC - 05710 - 381	3/8	0.381"	0.321"	0.286"	25	SYIC - 05710 - 697	7/8	0.697"	0.623"	0.523"	28
SYIC - 05710 - 429	9/16	0.429"	0.370"	0.322"		SYIC - 05710 - 700	3/8 PT	0.700"	0.634"	0.531"	
SYIC - 05710 - 437	1/8 PT	0.437"	0.378"	0.328"		SYIC - 05710 - 760	15/16	0.760"	0.689"	0.570"	
SYIC - 05710 - 480	5/8	0.480"	0.422"	0.360"		SYIC - 05710 - 800	1	0.800"	0.730"	0.600"	
SYIC - 05710 - 542	11/16	0.542"	0.486"	0.406"							



ER-TCO RIGID TAP SEALED COLLET

SYIC-254

ER 鋼性攻牙止水筒夾



Feature:

- Used for tools with coolant holes or ordinary tools.
- Suitable for rigid tapping in machine center or other tapping machines.
- Good coolant effect extends the use life of taps. Applicable for taps with coolant holes.
- Take use of the design of slot's size differential to clamp a tap effectively. Prevents tool slipping.
- Strong clamping power enables tools to be clamped effectively and avoid slipping. Processing quality's improved.
- The cost of using taps is decreased.
- Suitable for all kinds of ER tool holder bodies.

MODEL NO.	TYPE	d ₃	L	l ₂	CAPACITY	WEIGHT (K G S)
254.16	ER - TCO16	16	27.5	18 ~ 22	M5 ~ M10	0.03
254.20	ER - TCO20	20	31.5	18 ~ 25	M5 ~ M17	0.04
254.25	ER - TCO25	25	34	18 ~ 25	M5 ~ M22	0.06
254.32	ER - TCO32	32	40	18 ~ 28	M5 ~ M27	0.10
254.40	ER - TCO40	40	46	18 ~ 28		0.25

d ₁	TAP	SQ	STANDARD	d ₁	TAP	SQ	STANDARD	d ₁	TAP	SQ	STANDARD
6	M5	4.9	DIN-352	8.5	M12	6.5	JIS	14	M18	11.2	ISO-529
6	M5	4.9	DIN-371	9	M12	7	DIN-352	14	M20	11.2	ISO-529
6	M6	4.5	JIS	9	M12	7	DIN-376	15	M20	12	JIS
6	M6	4.9	DIN-352	9	M12	7.1	ISO-529	16	M20	12	DIN-352
6	M6	4.9	DIN-371	10	M10	8	DIN-371	16	M20	12	DIN-376
6	M8	4.9	DIN-352	10	M10	8	ISO-529	16	M22	12.5	ISO-529
6	M8	4.9	DIN-376	10.5	M14	8	JIS	17	M22	13	JIS
6.2	M7	5	JIS	10.5	M15	8	JIS	18	M22	14.5	DIN-374
6.2	M8	5	JIS	11	M14	9	DIN-352	18	M22	14.5	DIN-376
6.3	M6	5	ISO-529	11	M14	9	DIN-376	18	M24	14.5	DIN-352
6.3	M8	5	ISO-529	11.2	M14	9	ISO-529	18	M24	14.5	DIN-376
7	M9	5.5	JIS	12	M16	9	DIN-352	18	M24	14	ISO-529
7	M10	5.5	JIS	12	M16	9	DIN-376	19	M24	15	JIS
7	M10	5.5	DIN-352	12.5	M16	10	JIS	19	M25	15	JIS
7	M10	5.5	DIN-376	12.5	M16	10	ISO-529	20	M26	15	JIS
8	M8	6.2	DIN-371	13	M17	10	JIS	20	M27	15	JIS
8	M8	6.3	ISO-529	14	M18	11	JIS	20	M27	16	DIN-376
8	M10	6.3	ISO-529	14	M18	11	DIN-352	20	M27	16	ISO-529
8	M11	6	JIS	14	M18	11	DIN-376				

INCHES

d ₁	TAP	SQ	d ₁	TAP	SQ	d ₁	TAP	SQ
0.168"	5/32" or #8	0.131"	0.381"	3/8"	0.286"	0.652"	13/16"	0.489"
0.194"	3/16" or #10	0.152"	0.429"	9/16"	0.322"	0.687"	1/2"PT	0.515"
0.220"	7/32" or #12	0.165"	0.437"	1/8"PT	0.328"	0.697"	7/8"	0.523"
0.255"	1/4"	0.191"	0.480"	5/8"	0.360"	0.700"	3/8"PT	0.531"
0.318"	5/16"	0.238"	0.542"	11/16"	0.406"	0.760"	15/16"	0.570"
0.323"	7/16"	0.242"	0.562"	1/4"PT	0.421"	0.800"	1"	0.600"
0.367"	1/2"	0.275"	0.590"	3/4"	0.442"			



ER COOLANT COLLET (FID TYPE)

SYIC-202.126

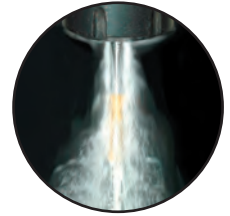
ER-FID 出水筒夾

DIN ISO 15488



Feature:

- Its coolant design of coolant groove is good for cooling and metal chips discharging, extending tool life.



ER 16		ER 20		ER 25		ER 32		ER 40	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
202.126.16.03	3	202.126.20.03	3	202.126.25.03	3	202.126.32.03	3		
202.126.16.04	4	202.126.20.04	4	202.126.25.04	4	202.126.32.04	4	202.126.40.04	4
202.126.16.05	5	202.126.20.05	5	202.126.25.05	5	202.126.32.05	5	202.126.40.05	5
202.126.16.06	6	202.126.20.06	6	202.126.25.06	6	202.126.32.06	6	202.126.40.06	6
202.126.16.07	7	202.126.20.07	7	202.126.25.07	7	202.126.32.07	7	202.126.40.07	7
		202.126.20.08	8	202.126.25.08	8	202.126.32.08	8	202.126.40.08	8
		202.126.20.09	9	202.126.25.09	9	202.126.32.09	9	202.126.40.09	9
				202.126.25.10	10	202.126.32.10	10	202.126.40.10	10
				202.126.25.11	11	202.126.32.11	11	202.126.40.11	11
				202.126.25.12	12	202.126.32.12	12	202.126.40.12	12
				202.126.25.13	13	202.126.32.13	13	202.126.40.13	13
				202.126.25.14	14	202.126.32.14	14	202.126.40.14	14
						202.126.32.15	15	202.126.40.15	15
						202.126.32.16	16	202.126.40.16	16
						202.126.32.17	17	202.126.40.17	17
						202.126.32.18	18	202.126.40.18	18
						202.126.32.19	19	202.126.40.19	19
						202.126.32.20	20	202.126.40.20	20
								202.126.40.21	21
								202.126.40.22	22
								202.126.40.23	23
								202.126.40.24	24
								202.126.40.25	25
								202.126.40.26	26



ER COOLANT COLLET (FOD TYPE)

SYIC-202.127

ER-FOD 出水筒夾



Feature:

- Its coolant design of coolant hole is good for cooling and metal chips discharging, extending tool life.



ER 16		ER 25		ER 32		ER 40		ER 50	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
202.127.16.03	3	202.127.25.03	3	202.127.32.03	3				
202.127.16.04	4	202.127.25.04	4	202.127.32.04	4	202.127.40.04	4		
202.127.16.05	5	202.127.25.05	5	202.127.32.05	5	202.127.40.05	5		
202.127.16.06	6	202.127.25.06	6	202.127.32.06	6	202.127.40.06	6	202.127.50.06	6
202.127.16.07	7	202.127.25.07	7	202.127.32.07	7	202.127.40.07	7	202.127.50.07	7
		202.127.25.08	8	202.127.32.08	8	202.127.40.08	8	202.127.50.08	8
		202.127.25.09	9	202.127.32.09	9	202.127.40.09	9	202.127.50.09	9
		202.127.25.10	10	202.127.32.10	10	202.127.40.10	10	202.127.50.10	10
		202.127.25.11	11	202.127.32.11	11	202.127.40.11	11	202.127.50.11	11
		202.127.25.12	12	202.127.32.12	12	202.127.40.12	12	202.127.50.12	12
		202.127.25.13	13	202.127.32.13	13	202.127.40.13	13	202.127.50.13	13
		202.127.25.14	14	202.127.32.14	14	202.127.40.14	14	202.127.50.14	14
				202.127.32.15	15	202.127.40.15	15	202.127.50.15	15
				202.127.32.16	16	202.127.40.16	16	202.127.50.16	16
				202.127.32.17	17	202.127.40.17	17	202.127.50.17	17
				202.127.32.18	18	202.127.40.18	18	202.127.50.18	18
				202.127.32.19	19	202.127.40.19	19	202.127.50.19	19
				202.127.32.20	20	202.127.40.20	20	202.127.50.20	20
						202.127.40.21	21	202.127.50.21	21
						202.127.40.22	22	202.127.50.22	22
						202.127.40.23	23	202.127.50.23	23
						202.127.40.24	24	202.127.50.24	24
						202.127.40.25	25	202.127.50.25	25
						202.127.40.26	26	202.127.50.26	26
								202.127.50.27	27
								202.127.50.28	28
								202.127.50.29	29
								202.127.50.30	30
								202.127.50.31	31
								202.127.50.32	32
								202.127.50.33	33
								202.127.50.34	34

SYIC-08300

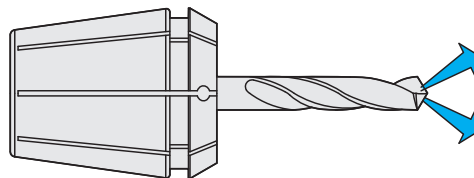
ER 止水筒夾



- Steel: SUJ2.
- HRC 46°.
- Taper 8°.
- The design is to take use of the difference of flutes and o-rings to achieve center coolant.
- Useful for coolant cutting tools.
- Water pressure up to 21 kgf/cm².
- No flexibility (No flexible chucking range. It depends on the biggest chucking range).
- Non-standard types, such as inch type or decimal type, are welcomed to order.
- The ER part of the product is according to DIN-15488. It can be used with suitable tool holders.
- Patent-owned.

ER16 SEALED COLLET

MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE
SYIC - 08316 - 03	3	SYIC - 08316 - 07	7
SYIC - 08316 - 04	4	SYIC - 08316 - 08	8
SYIC - 08316 - 05	5	SYIC - 08316 - 09	9
SYIC - 08316 - 06	6	SYIC - 08316 - 10	10



ER20 SEALED COLLET

MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE
SYIC - 08320 - 03	3	SYIC - 08320 - 06	6	SYIC - 08320 - 09	9	SYIC - 08320 - 12	12
SYIC - 08320 - 04	4	SYIC - 08320 - 07	7	SYIC - 08320 - 10	10	SYIC - 08320 - 13	13
SYIC - 08320 - 05	5	SYIC - 08320 - 08	8	SYIC - 08320 - 11	11		

ER25 SEALED COLLET

MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE
SYIC - 08325 - 03	3	SYIC - 08325 - 07	7	SYIC - 08325 - 11	11	SYIC - 08325 - 15	15
SYIC - 08325 - 04	4	SYIC - 08325 - 08	8	SYIC - 08325 - 12	12	SYIC - 08325 - 16	16
SYIC - 08325 - 05	5	SYIC - 08325 - 09	9	SYIC - 08325 - 13	13		
SYIC - 08325 - 06	6	SYIC - 08325 - 10	10	SYIC - 08325 - 14	14		

ER32 SEALED COLLET

MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE
SYIC - 08332 - 03	3	SYIC - 08332 - 08	8	SYIC - 08332 - 13	13	SYIC - 08332 - 18	18
SYIC - 08332 - 04	4	SYIC - 08332 - 09	9	SYIC - 08332 - 14	14	SYIC - 08332 - 19	19
SYIC - 08332 - 05	5	SYIC - 08332 - 10	10	SYIC - 08332 - 15	15	SYIC - 08332 - 20	20
SYIC - 08332 - 06	6	SYIC - 08332 - 11	11	SYIC - 08332 - 16	16		
SYIC - 08332 - 07	7	SYIC - 08332 - 12	12	SYIC - 08332 - 17	17		

ER40 SEALED COLLET

MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE	MODEL NO.	HOLE SIZE
SYIC - 08340 - 03	3	SYIC - 08340 - 09	9	SYIC - 08340 - 15	15	SYIC - 08340 - 21	21
SYIC - 08340 - 04	4	SYIC - 08340 - 10	10	SYIC - 08340 - 16	16	SYIC - 08340 - 22	22
SYIC - 08340 - 05	5	SYIC - 08340 - 11	11	SYIC - 08340 - 17	17	SYIC - 08340 - 23	23
SYIC - 08340 - 06	6	SYIC - 08340 - 12	12	SYIC - 08340 - 18	18	SYIC - 08340 - 24	24
SYIC - 08340 - 07	7	SYIC - 08340 - 13	13	SYIC - 08340 - 19	19	SYIC - 08340 - 25	25
SYIC - 08340 - 08	8	SYIC - 08340 - 14	14	SYIC - 08340 - 20	20	SYIC - 08340 - 26	26



STRAIGHT SEALED COLLET FOR MLD MILLING CHUCK

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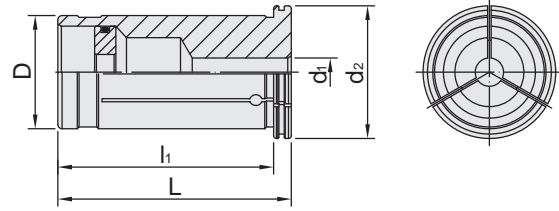
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SYIC-19460

直式止水筒夾



- Suitable for cutting tools with coolant holes.

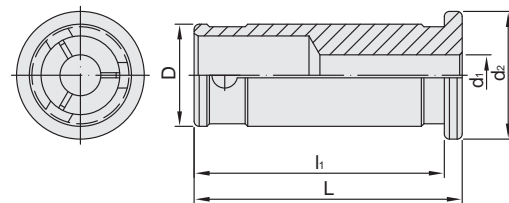
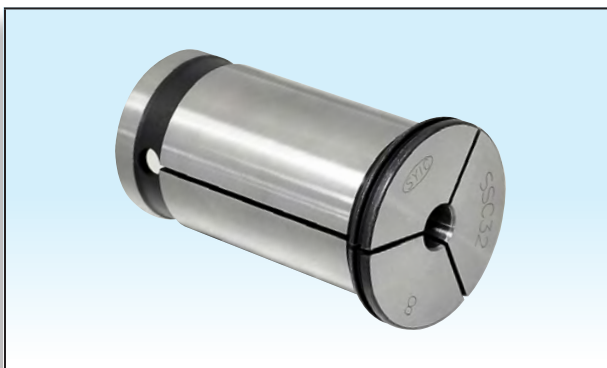
MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	WEIGHT (KGS)
SYIC - 19462	SSC20 - C	20	3, 4, 5, 6, 8, 10, 12, 16	25	52.9	49.4	0.1
SYIC - 19464	SSC25 - C	25	3, 4, 5, 6, 8, 10, 12, 16, 20	30.5	52.5	48.5	0.2
SYIC - 19466	SSC32 - C	32	3, 4, 5, 6, 8, 10, 12, 16, 20, 25	37.5	66	61	0.3
SYIC - 19468	SSC42 - C	42	3, 4, 5, 6, 8, 10, 12, 16, 20, 25, 32	48	75	69	0.6
SYIC - 19472	SSC1/2 - C	1/2	1/8, 3/16, 1/4, 5/16, 3/8	16	46.8	42.5	0.1
SYIC - 19474	SSC3/4 - C	3/4	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	25	52.9	49.4	0.2
SYIC - 19476	SSC1 - C	1	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4	30.5	52.5	48.5	0.3
SYIC - 19478	SSC1-1/4 - C	1-1/4	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1	37.5	66	61	0.6



STRAIGHT SHANK COLLET FOR MLD MILLING CHUCK

SYIC-84120

直式彈性筒夾



- Suitable for general cutting tools.

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	WEIGHT (KGS)
SYIC - 84120	SSC20	20	6, 8, 10, 12, 16	25	52.5	49	0.1
SYIC - 84126	SSC3/4"	3/4"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"				
SYIC - 84121	SSC25	25	3, 4, 5, 6, 8, 10, 12, 16	31	60	55	0.3
SYIC - 84122	SSC32	32	6, 8, 10, 12, 16, 20, 25	37.5	64.6	59.6	0.3
SYIC - 84127	SSC1-1/4"	1-1/4"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1"				
SYIC - 84124	SSC42	42	6, 8, 10, 12, 16, 20, 25, 32	47	75	69	0.6

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DIN ISO 10897 SYSTEM

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

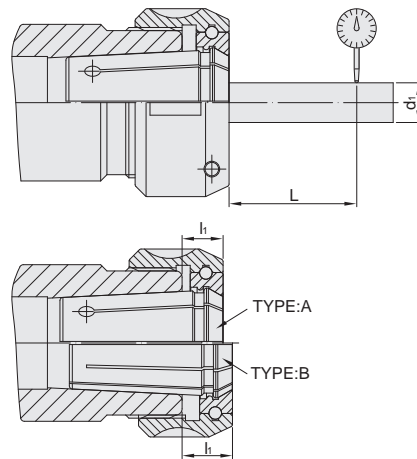
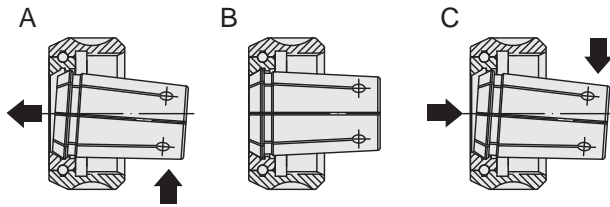
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★Standard testing table is in accordance with the cutting length and precision requirements of various sizes of END MILLS.
★Every Collet shipped out of the factory has passed the test.

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MODEL NO.	TYPE	I ₁ ITEM		
		EOC 16	EOC 25	EOC 32
SYIC - 83520	A	11	12	13
SYIC - 83530	B	15	16	17
SYIC - 83868	SYOZ	-	12	-

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HOW TO USE COLLET

- Put the collet in the collet fastener nut. Let its collet Taper contact the spring ring well. Toward the arrow direction, push slightly, then you can put it in.
- Insert the end mill (cutter) into the body. Tighten collet fastener nut by wrench. Then it is ready for operation. (Do not tighten the collet fastener nut before the cutter is installed.)
- Loosen the nut from the body, then take out the end mill. Toward the arrow direction, push slightly, then the collet can be taken out.

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EOC COLLET TYPE: B

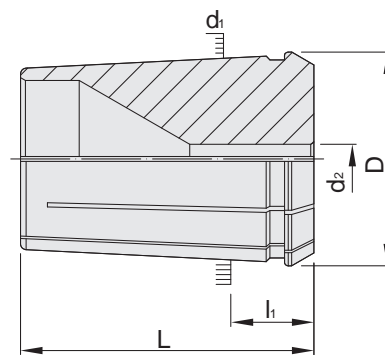
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SYIC-83530

EOC B 型 彈性筒夾

DIN ISO 10897

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* Can order size Increment by steps 0.5mm or imperial size as desired.

- Steel: SUJ2.
- HRC 46°.
- Increment by 0.5mm.
- With 6 slots in front and back.

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MODEL NO.	TYPE	E - NO	L	I ₁	D	d ₁	d ₂	WEIGHT (KGS)
SYIC - 83533	EOC32 - B	467E	60	17	43.7	41.3	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32mm	0.5

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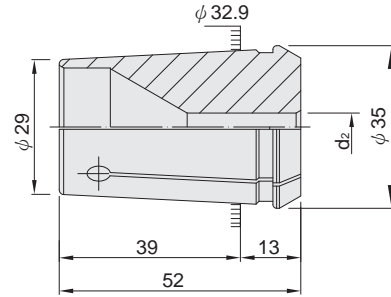
SYOZ COLLET

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SYIC-83868

SYOZ 型 彈性筒夾

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- Steel: S45C.
- HRC: 46°.
- SET: 7pcs or 15pcs.
- With 4 slots in front and back.

SYIC-83800 SYSTEM SHIN-YAIN MILLING CHUCK
ALL USE SYOZ COLLET.

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MODEL NO.	TYPE	E-NO	d ₂ SIZE	WEIGHT (KGS)
SYIC - 83868 - M	SYOZ - 25 - M	462E	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	0.24
SYIC - 83868 - I	SYOZ - 25 - INCH	-	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	0.24

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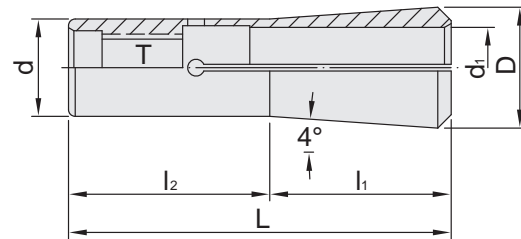
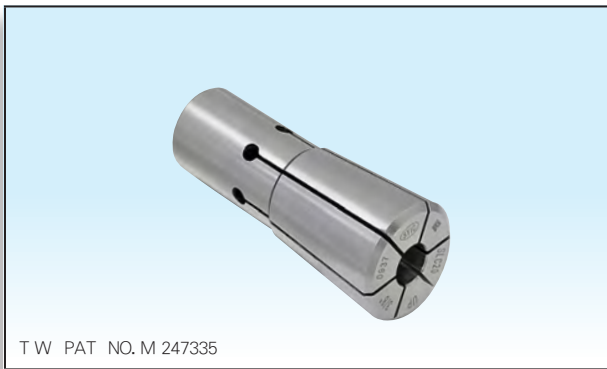
SLC COLLET

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SYIC-18851

SLC 專用筒夾

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- Steel: SUP-9
- HRC: 46°
- Surface Roughness: Rz2.5 (Ra 0.6)
- Precision: 5μ (4D length)

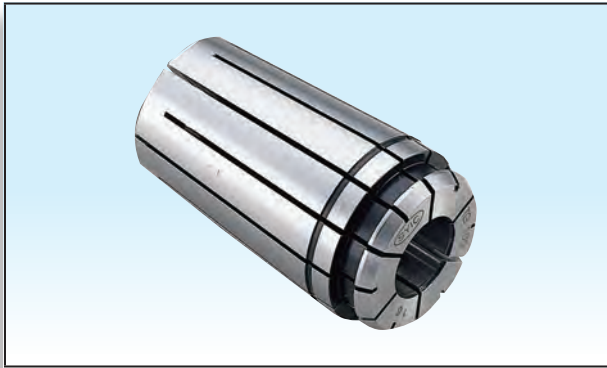
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MODEL NO.	TYPE	d ₁	D	d	L	l ₁	l ₂	T	WEIGHT (KGS)
SYIC - 18851	SLC - 6	3, 4, 5, 6	10	8	36	24	12	M6 x 1.0P	0.02
SYIC - 18852	SLC - 12	3, 4, 5, 6, 8, 10, 12	18	14.5	57	25.45	31.55	M10 x 1.5P	0.04
SYIC - 18853	SLC - 20	3, 4, 5, 6, 8, 10, 12, 16, 18, 20	27	21	70	35	35	M12 x 1.75P	0.12

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SYIC-84000



TG 彈性筒夾

Fig.1

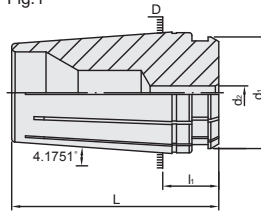
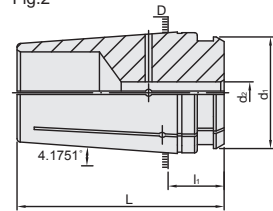


Fig.2



- Steel: S45C.
- HRC: 46°.
- Increment by 1mm or 1/64".
- With 6 slots in front and back.

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂ (HOLE SIZE)	Fig	WEIGHT (KGS)
SYIC - 84008	TG 75	46.84	13.6	26.97	26.84	3mm ~ 16mm	1	0.15
SYIC - 84010	TG 100	60.32	16.32	35.02	32.5	3mm ~ 25mm	1	0.30
SYIC - 84063							2	0.30
SYIC - 84011	TG 150	76.2	18	50.83	47.7	4mm ~ 38mm	1	0.60
SYIC - 84011 - C							2	0.60
SYIC - 84008	TG 75	46.84	13.6	26.97	26.84	3/32" ~ 3/4"	1	0.15
SYIC - 84010	TG 100	60.32	16.32	35.02	32.5	3/32" ~ 1"	1	0.30
SYIC - 84063							2	0.30
SYIC - 84011	TG 150	76.2	18	50.83	47.7	5/32" ~ 1-1/2"	1	0.60
SYIC - 84011 - C							2	0.60

TG 75

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84008 - 03	3	SYIC - 84008 - 07	7	SYIC - 84008 - 11	11	SYIC - 84008 - 15	15
SYIC - 84008 - 04	4	SYIC - 84008 - 08	8	SYIC - 84008 - 12	12	SYIC - 84008 - 16	16
SYIC - 84008 - 05	5	SYIC - 84008 - 09	9	SYIC - 84008 - 13	13		
SYIC - 84008 - 06	6	SYIC - 84008 - 10	10	SYIC - 84008 - 14	14		

TG 100

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84010 - 03	3	SYIC - 84010 - 09	09	SYIC - 84010 - 15	15	SYIC - 84010 - 21	21
SYIC - 84010 - 04	4	SYIC - 84010 - 10	10	SYIC - 84010 - 16	16	SYIC - 84010 - 22	22
SYIC - 84010 - 05	5	SYIC - 84010 - 11	11	SYIC - 84010 - 17	17	SYIC - 84010 - 23	23
SYIC - 84010 - 06	6	SYIC - 84010 - 12	12	SYIC - 84010 - 18	18	SYIC - 84010 - 24	24
SYIC - 84010 - 07	7	SYIC - 84010 - 13	13	SYIC - 84010 - 19	19	SYIC - 84010 - 25	25
SYIC - 84010 - 08	8	SYIC - 84010 - 14	14	SYIC - 84010 - 20	20		

TG 150

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84011 - 04	4	SYIC - 84011 - 13	13	SYIC - 84011 - 22	22	SYIC - 84011 - 31	31
SYIC - 84011 - 05	5	SYIC - 84011 - 14	14	SYIC - 84011 - 23	23	SYIC - 84011 - 32	32
SYIC - 84011 - 06	6	SYIC - 84011 - 15	15	SYIC - 84011 - 24	24	SYIC - 84011 - 33	33
SYIC - 84011 - 07	7	SYIC - 84011 - 16	16	SYIC - 84011 - 25	25	SYIC - 84011 - 34	34
SYIC - 84011 - 08	8	SYIC - 84011 - 17	17	SYIC - 84011 - 26	26	SYIC - 84011 - 35	35
SYIC - 84011 - 09	9	SYIC - 84011 - 18	18	SYIC - 84011 - 27	27	SYIC - 84011 - 36	36
SYIC - 84011 - 10	10	SYIC - 84011 - 19	19	SYIC - 84011 - 28	28	SYIC - 84011 - 37	37
SYIC - 84011 - 11	11	SYIC - 84011 - 20	20	SYIC - 84011 - 29	29	SYIC - 84011 - 38	38
SYIC - 84011 - 12	12	SYIC - 84011 - 21	21	SYIC - 84011 - 30	30		



TG COLLET

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TG 75 INCH SIZE

MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84008 - 3/32	3/32"	SYIC - 84008 - 17/64	17/64"	SYIC - 84008 - 7/16	7/16"	SYIC - 84008 - 39/64	39/64"
SYIC - 84008 - 7/64	7/64"	SYIC - 84008 - 9/32	9/32"	SYIC - 84008 - 29/64	29/64"	SYIC - 84008 - 5/8	5/8"
SYIC - 84008 - 1/8	1/8"	SYIC - 84008 - 19/64	19/64"	SYIC - 84008 - 15/32	15/32"	SYIC - 84008 - 41/64	41/64"
SYIC - 84008 - 9/64	9/64"	SYIC - 84008 - 5/16	5/16"	SYIC - 84008 - 31/64	31/64"	SYIC - 84008 - 21/32	21/32"
SYIC - 84008 - 5/32	5/32"	SYIC - 84008 - 21/64	21/64"	SYIC - 84008 - 1/2	1/2"	SYIC - 84008 - 43/64	43/64"
SYIC - 84008 - 11/64	11/64"	SYIC - 84008 - 11/32	11/32"	SYIC - 84008 - 33/64	33/64"	SYIC - 84008 - 11/16	11/16"
SYIC - 84008 - 3/16	3/16"	SYIC - 84008 - 23/64	23/64"	SYIC - 84008 - 17/32	17/32"	SYIC - 84008 - 45/64	45/64"
SYIC - 84008 - 13/64	13/64"	SYIC - 84008 - 3/8	3/8"	SYIC - 84008 - 35/64	35/64"	SYIC - 84008 - 23/32	23/32"
SYIC - 84008 - 7/32	7/32"	SYIC - 84008 - 25/64	25/64"	SYIC - 84008 - 9/16	9/16"	SYIC - 84008 - 47/64	47/64"
SYIC - 84008 - 15/64	15/64"	SYIC - 84008 - 13/32	13/32"	SYIC - 84008 - 37/64	37/64"	SYIC - 84008 - 3/4	3/4"
SYIC - 84008 - 1/4	1/4"	SYIC - 84008 - 27/64	27/64"	SYIC - 84008 - 19/32	19/32"		

TG 100 INCH SIZE

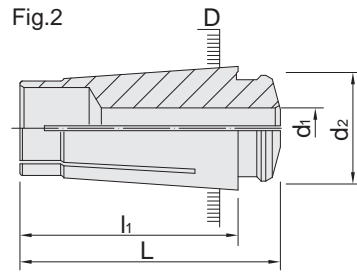
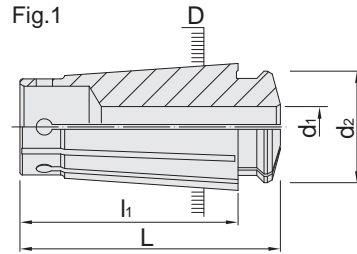
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84010 - 3/32	3/32"	SYIC - 84010 - 21/64	21/64"	SYIC - 84010 - 9/16	9/16"	SYIC - 84010 - 51/64	51/64"
SYIC - 84010 - 7/64	7/64"	SYIC - 84010 - 11/32	11/32"	SYIC - 84010 - 37/64	37/64"	SYIC - 84010 - 13/16	13/16"
SYIC - 84010 - 1/8	1/8"	SYIC - 84010 - 23/64	23/64"	SYIC - 84010 - 19/32	19/32"	SYIC - 84010 - 53/64	53/64"
SYIC - 84010 - 9/64	9/64"	SYIC - 84010 - 3/8	3/8"	SYIC - 84010 - 39/64	39/64"	SYIC - 84010 - 27/32	27/32"
SYIC - 84010 - 5/32	5/32"	SYIC - 84010 - 25/64	25/64"	SYIC - 84010 - 5/8	5/8"	SYIC - 84010 - 55/64	55/64"
SYIC - 84010 - 11/64	11/64"	SYIC - 84010 - 13/32	13/32"	SYIC - 84010 - 41/64	41/64"	SYIC - 84010 - 7/8	7/8"
SYIC - 84010 - 3/16	3/16"	SYIC - 84010 - 27/64	27/64"	SYIC - 84010 - 21/32	21/32"	SYIC - 84010 - 57/64	57/64"
SYIC - 84010 - 13/64	13/64"	SYIC - 84010 - 7/16	7/16"	SYIC - 84010 - 43/64	43/64"	SYIC - 84010 - 29/32	29/32"
SYIC - 84010 - 7/32	7/32"	SYIC - 84010 - 29/64	29/64"	SYIC - 84010 - 11/16	11/16"	SYIC - 84010 - 59/64	59/64"
SYIC - 84010 - 15/64	15/64"	SYIC - 84010 - 15/32	15/32"	SYIC - 84010 - 45/64	45/64"	SYIC - 84010 - 15/16	15/16"
SYIC - 84010 - 1/4	1/4"	SYIC - 84010 - 31/64	31/64"	SYIC - 84010 - 23/32	23/32"	SYIC - 84010 - 61/64	61/64"
SYIC - 84010 - 17/64	17/64"	SYIC - 84010 - 1/2	1/2"	SYIC - 84010 - 47/64	47/64"	SYIC - 84010 - 31/32	31/32"
SYIC - 84010 - 9/32	9/32"	SYIC - 84010 - 33/64	33/64"	SYIC - 84010 - 3/4	3/4"	SYIC - 84010 - 63/64	63/64"
SYIC - 84010 - 19/64	19/64"	SYIC - 84010 - 17/32	17/32"	SYIC - 84010 - 49/64	49/64"	SYIC - 84010 - 1	1"
SYIC - 84010 - 5/16	5/16"	SYIC - 84010 - 35/64	35/64"	SYIC - 84010 - 25/32	25/32"		

TG 150 INCH SIZE

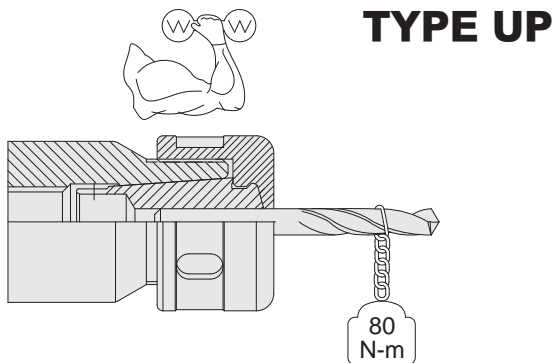
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
SYIC - 84011 - 5/32	5/32"	SYIC - 84011 - 1/2	1/2"	SYIC - 84011 - 27/32	27/32"	SYIC - 84011 - 1-3/16	1-3/16"
SYIC - 84011 - 11/64	11/64"	SYIC - 84011 - 33/64	33/64"	SYIC - 84011 - 55/64	55/64"	SYIC - 84011 - 1-13/64	1-13/64"
SYIC - 84011 - 3/16	3/16"	SYIC - 84011 - 17/32	17/32"	SYIC - 84011 - 7/8	7/8"	SYIC - 84011 - 1-7/32	1-7/32"
SYIC - 84011 - 13/64	13/64"	SYIC - 84011 - 35/64	35/64"	SYIC - 84011 - 57/64	57/64"	SYIC - 84011 - 1-15/64	1-15/64"
SYIC - 84011 - 7/32	7/32"	SYIC - 84011 - 9/16	9/16"	SYIC - 84011 - 29/32	29/32"	SYIC - 84011 - 1-1/4	1-1/4"
SYIC - 84011 - 15/64	15/64"	SYIC - 84011 - 37/64	37/64"	SYIC - 84011 - 59/64	59/64"	SYIC - 84011 - 1-17/64	1-17/64"
SYIC - 84011 - 1/4	1/4"	SYIC - 84011 - 19/32	19/32"	SYIC - 84011 - 15/16	15/16"	SYIC - 84011 - 1-9/32	1-9/32"
SYIC - 84011 - 17/64	17/64"	SYIC - 84011 - 39/64	39/64"	SYIC - 84011 - 61/64	61/64"	SYIC - 84011 - 1-19/64	1-19/64"
SYIC - 84011 - 9/32	9/32"	SYIC - 84011 - 5/8	5/8"	SYIC - 84011 - 31/32	31/32"	SYIC - 84011 - 1-5/16	1-5/16"
SYIC - 84011 - 19/64	19/64"	SYIC - 84011 - 41/64	41/64"	SYIC - 84011 - 63/64	63/64"	SYIC - 84011 - 1-21/64	1-21/64"
SYIC - 84011 - 5/16	5/16"	SYIC - 84011 - 21/32	21/32"	SYIC - 84011 - 1"	1"	SYIC - 84011 - 1-11/32	1-11/32"
SYIC - 84011 - 21/64	21/64"	SYIC - 84011 - 43/64	43/64"	SYIC - 84011 - 1-1/64	1-1/64"	SYIC - 84011 - 1-23/64	1-23/64"
SYIC - 84011 - 11/32	11/32"	SYIC - 84011 - 41/64	41/64"	SYIC - 84011 - 1-1/32	1-1/32"	SYIC - 84011 - 1-3/8	1-3/8"
SYIC - 84011 - 23/64	23/64"	SYIC - 84011 - 45/64	45/64"	SYIC - 84011 - 1-3/64	1-3/64"	SYIC - 84011 - 1-25/64	1-25/64"
SYIC - 84011 - 3/8	3/8"	SYIC - 84011 - 23/32	23/32"	SYIC - 84011 - 1-1/16	1-1/16"	SYIC - 84011 - 1-13/32	1-13/32"
SYIC - 84011 - 25/64	25/64"	SYIC - 84011 - 47/64	47/64"	SYIC - 84011 - 1-5/64	1-5/64"	SYIC - 84011 - 1-27/64	1-27/64"
SYIC - 84011 - 13/32	13/32"	SYIC - 84011 - 3/4	3/4"	SYIC - 84011 - 1-3/32	1-3/32"	SYIC - 84011 - 1-7/16	1-7/16"
SYIC - 84011 - 27/64	27/64"	SYIC - 84011 - 49/64	49/64"	SYIC - 84011 - 1-7/64	1-7/64"	SYIC - 84011 - 1-29/64	1-29/64"
SYIC - 84011 - 7/16	7/16"	SYIC - 84011 - 25/32	25/32"	SYIC - 84011 - 1-1/8	1-1/8"	SYIC - 84011 - 1-15/32	1-15/32"
SYIC - 84011 - 29/64	29/64"	SYIC - 84011 - 51/64	51/64"	SYIC - 84011 - 1-9/64	1-9/64"	SYIC - 84011 - 1-31/64	1-31/64"
SYIC - 84011 - 15/32	15/32"	SYIC - 84011 - 13/16	13/16"	SYIC - 84011 - 1-5/32	1-5/32"	SYIC - 84011 - 1-1/2	1-1/2"
SYIC - 84011 - 31/64	31/64"	SYIC - 84011 - 53/64	53/64"	SYIC - 84011 - 1-11/64	1-11/64"		

SYIC-18300

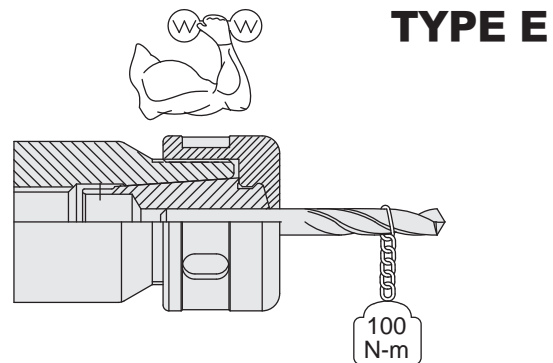
SKS 高速機專用筒夾



- Steel: SUP-9.
- HRC: 46°.
- Surface Roughness: Rz2.0.
- Precision: Within 5 μ .



- With flexibility and bigger clamping range.
- More slots than type E collets
- Collet Internal Hole > ϕ 3mm, Clamping Flexibility=0.5mm
- Collet Internal Hole < ϕ 3mm, Clamping Flexibility=0.25mm.
- Precision: 5 μ .



- Without flexibility
- The external diameters of cutting tools and collet's internal holes need to be the same.
- Better clamping power and good rigidity.
- Precision: 5 μ .

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂	Fig	WEIGHT (KGS)
SYIC - 18302	SKS - 6	25.7	21.4	9.964	ϕ 3 ~ ϕ 6	9.26	1	0.03
SYIC - 18302E	SKS - 6E	25.7	21.4	9.964	ϕ 1 ~ ϕ 6	9.26	2	0.03
SYIC - 18304	SKS - 10	32	26.8	15.013	ϕ 2 ~ ϕ 10	13.7	1	0.04
SYIC - 18304E	SKS - 10E	32	26.8	15.013	ϕ 2 ~ ϕ 10	13	2	0.04
SYIC - 18305	SKS - 13	39.1	33.6	19.5	ϕ 3 ~ ϕ 13	17	1	0.04
SYIC - 18305E	SKS - 13E	39.1	33.6	19.5	ϕ 3 ~ ϕ 13	17	2	0.04
SYIC - 18306	SKS - 16	46	40	23.939	ϕ 3 ~ ϕ 16	21	1	0.06
SYIC - 18306E	SKS - 16E	46	40	23.939	ϕ 4 ~ ϕ 16	20.5	2	0.06
SYIC - 18308	SKS - 20	54.3	49	28.5	ϕ 3 ~ ϕ 20	17	1	0.14
SYIC - 18308E	SKS - 20E	54.3	49	28.5	ϕ 3 ~ ϕ 20	17	2	0.14
SYIC - 18310	SKS - 25	58.2	51.5	35.029	ϕ 3 ~ ϕ 25.4	31	1	1.00



POWER GOOD ER CLAMPING NUT

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SYIC-04500P

ER 包固得螺帽



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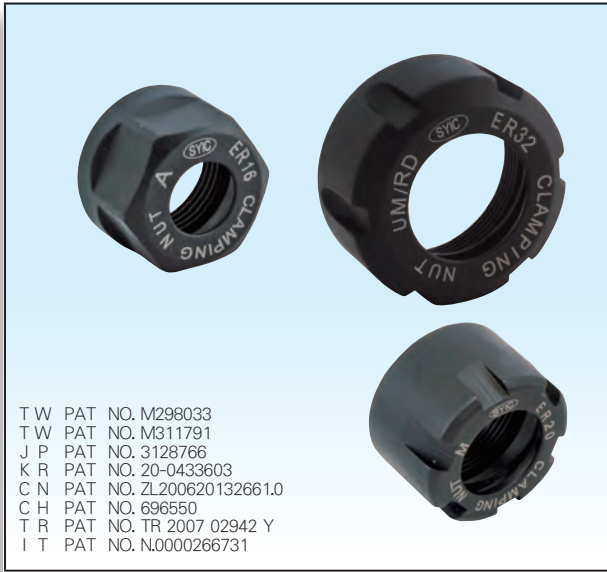
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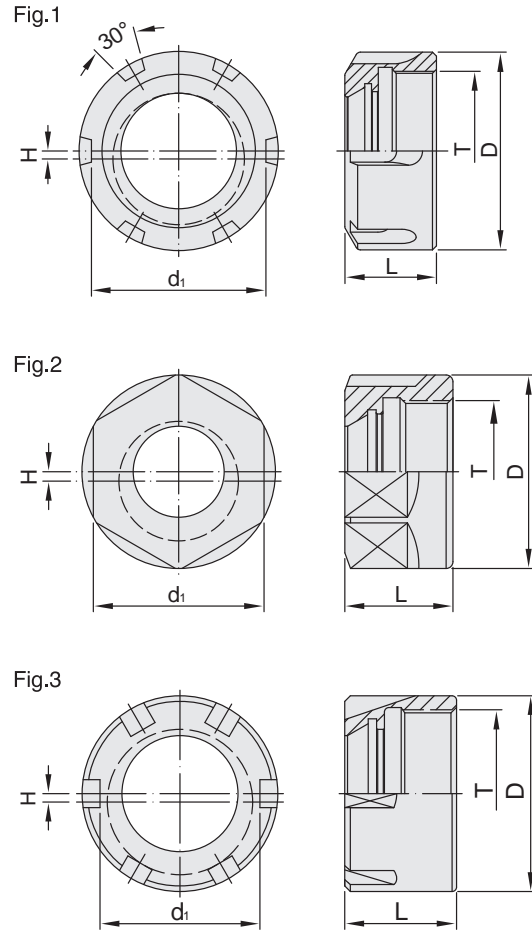
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T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731

- Special surface treatment. Clamping power is increased twice.
- Suitable for SYIC-04210 ER Collet.
- Pre-balance to G6.3 10,000rpm.



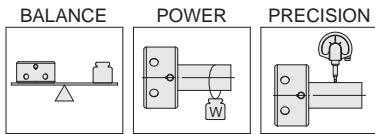
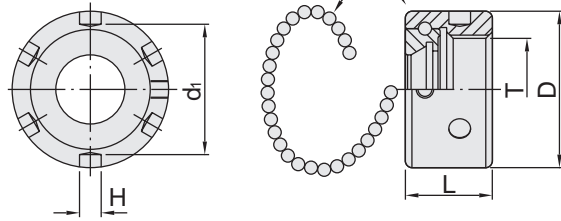
MODEL NO.	TYPE	D	d ₁	H	L	T	Fig	WEIGHT (KGS)
SYIC - 04501P	ER11 - A	19	17	1	11.3	M14 x 0.75P	2	0.020
SYIC - 04502P	ER16 - A	28	25	1.65	17.5	M22 x 1.5P		0.050
SYIC - 04503P	ER20 - A	34	30	1.65	19	M25 x 1.5P		0.100
SYIC - 04506P	ER16 - UM-RD	31.7	26	1.65	18	M22 x 1.5P	1	0.050
SYIC - 04507P	ER20 - UM-RD	35	29	1.65	19.5	M25 x 1.5P		0.100
SYIC - 04508P	ER25 - UM-RD	42	36	1.85	20	M32 x 1.5P		0.140
SYIC - 04509P	ER32 - UM-RD	50	44	2	22.5	M40 x 1.5P		0.200
SYIC - 04510P	ER40 - UM-RD	63	57	2.4	25.5	M50 x 1.5P		0.300
SYIC - 04511P	ER50 - UM-RD	78	71	2.5	35.5	M64 x 2.0P		0.500
SYIC - 04523P	ER8 - M	12	10	0.6	10.8	M10 x 0.75P	3	0.005
SYIC - 04524P	ER11 - M	16	12	0.6	11.3	M13 x 0.75P		0.010
SYIC - 04525P	ER16 - M	22	17.2	1	18	M19 x 1.0P		0.050
SYIC - 04526P	ER20 - M	28	22.5	1.45	19	M24 x 1.0P		0.050
SYIC - 04527P	ER25 - M	35	28.6	1.5	20	M30 x 1.0P		0.080



ER HIGH SPEED PRECISION NUT BALL BEARING TYPE

SYIC-08680P

ER 強力精密高速型螺帽



- Steel: SNCM - 21 • HRC: 52°
- Applied for SYIC-04600 ER spanner.
- The external diameter is ground precisely, decreasing unbalance.
- Balanced to G2.5 15,000 rpm.
- According to ISO1941-1 standard, examined by a balancing machine.
- Can be ordered separately.
- Higher precision and stability if matching ER Collet-UP class.

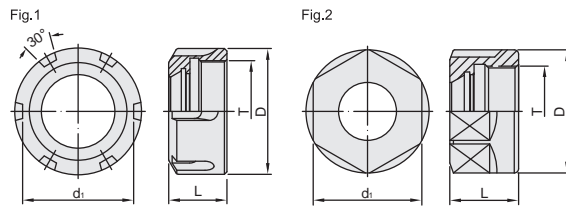
MODEL NO.	TYPE	D	d ₁	H	L	T	WEIGHT (KGS)
SYIC - 08680P	ER 16 - HSP	32	26	5	18	M22 x 1.5P	0.008
SYIC - 08681P	ER 20 - HSP	36	30		20	M25 x 1.5P	0.100
SYIC - 08682P	ER 25 - HSP	42	36	4.4	22.5	M32 x 1.5P	0.100
SYIC - 08684P	ER 32 - HSP	50	44		25	M40 x 1.5P	0.150
SYIC - 08686P	ER 40 - HSP	63	57		27.5	M50 x 1.5P	0.270



HIGH SPEED POWER GOOD NUT

SYIC-08650P

ER 高速型包固得螺帽



- Special surface treatment. Clamping power is improved twice.
- Suitable for ER Collets.
- Balanced to G2.5 15,000 rpm.

MODEL NO.	TYPE	D	d ₁	L	T	Fig	WEIGHT (KGS)
SYIC - 08652P	ER11A - HS	19	17	11.3	M14 x 0.75P	2	0.02
SYIC - 08654P	ER16A - HS	38	25	17.5	M22 x 1.5P		0.05
SYIC - 08655P	ER16 - HS	32	26	18	M22 x 1.5P	1	0.06
SYIC - 08656P	ER20A - HS	34	30	19	M25 x 1.5P	2	0.10
SYIC - 08657P	ER20 - HS	35	29.5	19.5	M25 x 1.5P	1	0.11
SYIC - 08658P	ER25 - HS	42	35.7	20.5	M32 x 1.5P		0.14
SYIC - 08660P	ER32 - HS	50	43.8	23	M40 x 1.5P		0.20
SYIC - 08662P	ER40 - HS	63	57	26	M50 x 1.5P		0.30



WIND RESISTANCE NUT

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SHRINK FIT

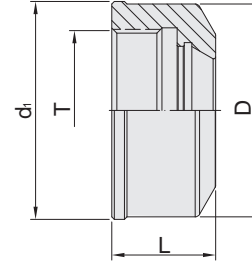
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-206.130

無風阻螺帽



Feature:

- Due to special surface treatment, clamping power is increased by 50%~100%.
- Its non-slot design decreases wind shear, and can be used for high speed application.

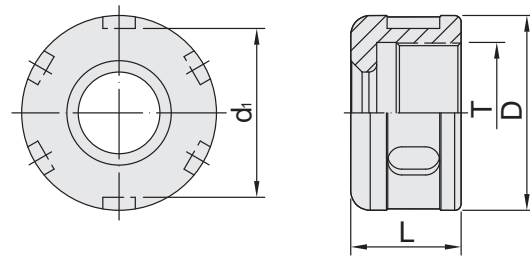
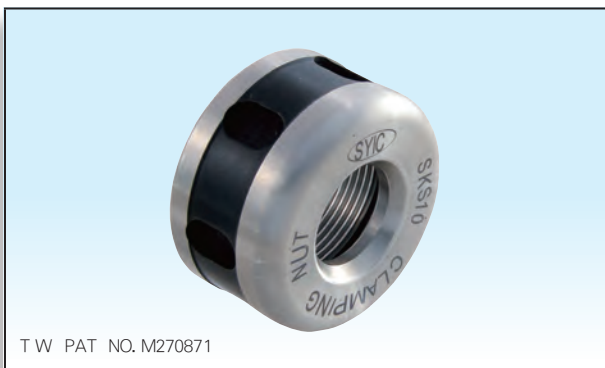
MODEL NO.	TYPE	L	D	d ₁	T	WEIGHT (KGS)
SYIC - 206.130.16	ER16	17.5	30	31	M22 × 1.5P	0.05
SYIC - 206.130.20	ER20	19	34	35	M25 × 1.5P	0.10
SYIC - 206.130.25	ER25	20	42	43	M32 × 1.5P	0.14
SYIC - 206.130.32	ER32	22.5	50	51	M40 × 1.5P	0.23
SYIC - 206.668.06	SKS-6	15	18	19	M14 × 1.0P	0.20
SYIC - 206.668.10	SKS-10	17	30	31	M21.5 × 1.0P	0.04
SYIC - 206.668.13	SKS-13	21	34	35	M27 × 1.0P	0.06
SYIC - 206.668.16	SKS-16	24.5	40	41	M32 × 1.0P	0.06
SYIC - 206.668.20	SKS-20	24	48	48.5	M40 × 1.0P	0.14
SYIC - 206.668.25	SKS-25	30.5	55	56	M45 × 1.0P	1.00



SKS CLAMPING NUT

SYIC-18310

SKS 高速機專用螺帽



- Fine pitch: H4 to ensure the good precision.

MODEL NO.	TYPE	L	D	d ₁	T	WEIGHT (KGS)
SYIC - 18312	SKS6	15	18	-	M14 x 1.0P	0.02
SYIC - 18314	SKS10	17	30	26	M21.5 x 1.0P	0.04
SYIC - 18315-13	SKS13	21	35	31.8	M27 x 1.0P	0.06
SYIC - 18316	SKS16	24.5	40	35.8	M32 x 1.5P	0.06
SYIC - 18318	SKS20	24	48.5	44.4	M40 x 1.0P	0.14
SYIC - 18320	SKS25	30.5	55	50	M45 x 1.5P	1.00

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POWER GOOD EOC CLAMPING NUT

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SYIC-83630P

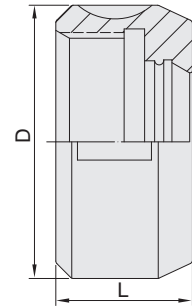
EOC 包固得栓緊螺帽



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T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381



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- Special surface treatment. Clamping power is improved twice.
- Thread with high precision ground. Easy to lock with a body.

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MODEL NO.	TYPE	D	d ₁	L	T	WEIGHT (KGS)
SYIC - 83638P	EOC25	60	29.7	30	M48 x 2.0P	0.30
SYIC - 83639P	EOC32	72	38.5	33.5	M60 x 2.5P	0.48

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POWER GOOD TG CLAMPING NUT

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SYIC-84012P

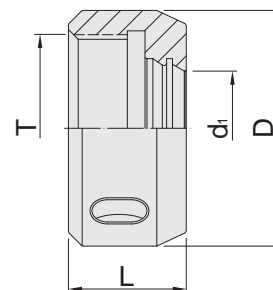
TG 包固得栓緊螺帽



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T W PAT NO. M298033
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C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381



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- Special surface treatment. Clamping power is improved twice.
- Square thread is good for clamping capacity.

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MODEL NO.	TYPE	D	d ₁	L	T	WEIGHT (KGS)
SYIC - 84012P	TG75	50	22.7	25	TW 1-1/2" - 12	0.52
SYIC - 84014P	TG100	60	29.1	30	TW 1-7/8" - 12	0.46
SYIC - 84016P	TG150	82	42.4	35	TW 2-5/8" - 12	0.50

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MLD SEALED CAP

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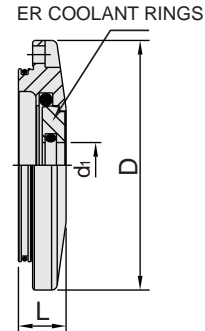
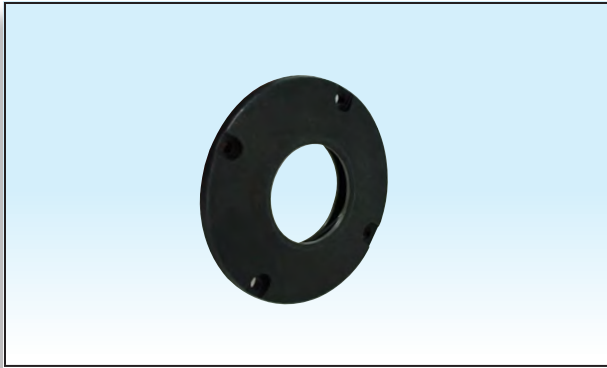
SYIC-19490G

MLD 止水螺帽

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- Used for cutting tools with a coolant hole.

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MODEL NO.	TYPE	L	D	d ₁	RANGE	WEIGHT (KGS)
SYIC - 19496G	MLD20 / MLD3/4"	8.4	44	19.1	φ 1/8" ~ φ 5/8"	0.04
SYIC - 19498G	MLD32 / MLD1-1/4"	11	60	30.5	φ 1/8" ~ φ 1"	0.06

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SQUARE SHANK ADAPTER -COOLANT THRU

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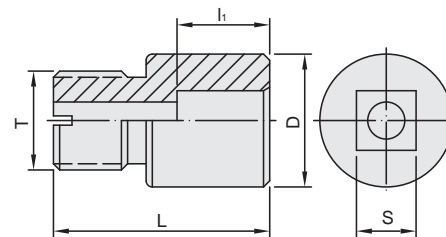
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四角榫舌



We're Making a Better Connection Between the Cutting Tool and Spindle.



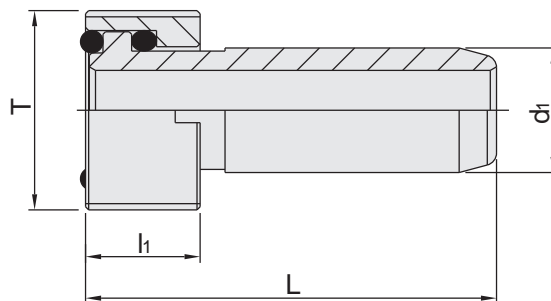
For the info. of PLEM, please refer to catalog NO.42.

Adapts ER Chucks into PowerLOC Milling Holders:
PowerLOC Square Shank Adapters turn our standard collet chucks into milling holders capable of performing heavier milling jobs than you ever thought possible.

MODEL NO.	TYPE	L	h ₁	D	S	T	WEIGHT (KGS)
SYIC - 9398765	PLSS1/2" x M16	35	15	21.5	9.625	M16 x 2.0P	0.03
SYIC - 9397764	PLSS3/4" x M16				14.288		0.04
SYIC - 9396764	PLSS1/2" x M20	40		29	9.625	M20 x 2.0P	0.12
SYIC - 9396763	PLSS3/4" x M20				14.288		0.12
SYIC - 9396762	PLSS1" x M20			19.05	0.12		
SYIC - 9396766	PLSS1-1/4" x M24			34	19.38	M24 x 2.0P	0.18

SYIC-30030

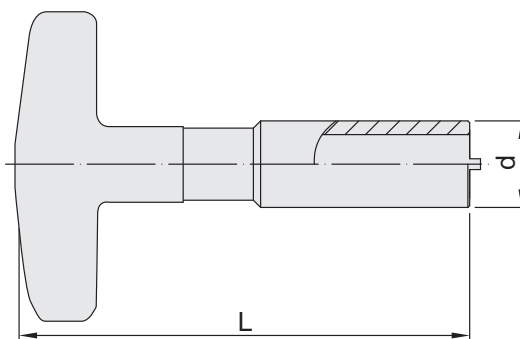
給水管



MODEL NO.	TYPE	L	h ₁	d ₁	T	WEIGHT (KGS)
SYIC - 30031	HSK32A - CP	26	5.5	6	M10 x 1.0P	0.01
SYIC - 30033	HSK40A - CP	29.3	7.5	8	M12 x 1.0P	0.01
SYIC - 30035	HSK50A - CP	33	9.5	10	M16 x 1.0P	0.02
SYIC - 30037	HSK63A - CP	36.6	11.5	12	M18 x 1.0P	0.02
SYIC - 30041	HSK100A - CP	44	15.5	16	M24 x 1.5P	0.06

SYIC-30050

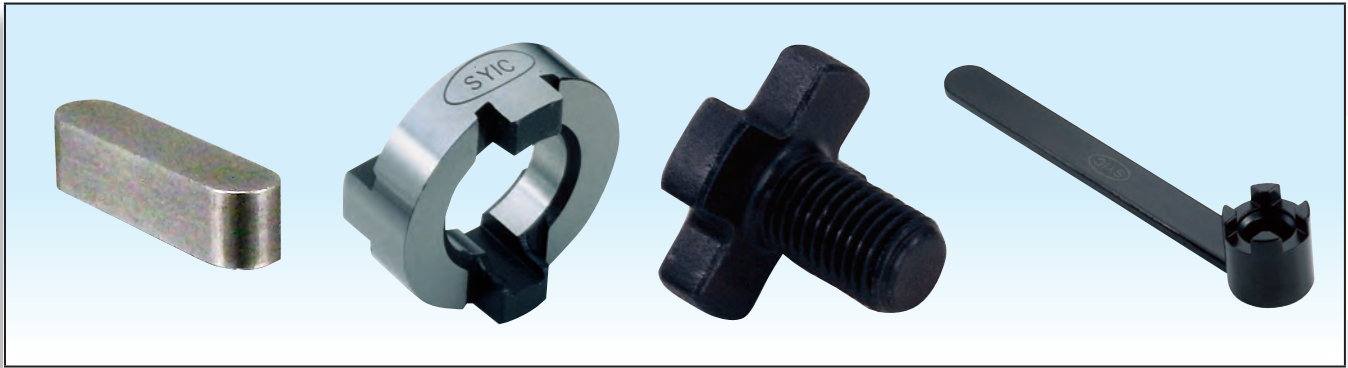
給水管扳手



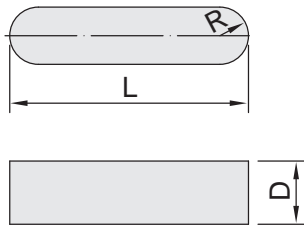
MODEL NO.	TYPE	L	d	WEIGHT (KGS)
SYIC - 30051	HSK32A - CPW	90	φ 13.5mm	0.10
SYIC - 30053	HSK40A - CPW	90	φ 13.5mm	0.12
SYIC - 30055	HSK50A - CPW	95	φ 15.5mm	0.14
SYIC - 30057	HSK63A - CPW	100	φ 18mm	0.16
SYIC - 30061	HSK100A - CPW	125	φ 24mm	0.32

SYIC-42830

連結式銑刀柄零件

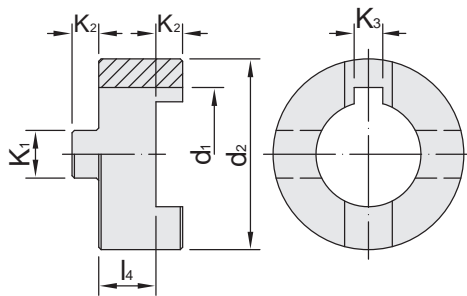


- Steel: SCM - 4
- Can purchase removable ring, nut & spanner separately.



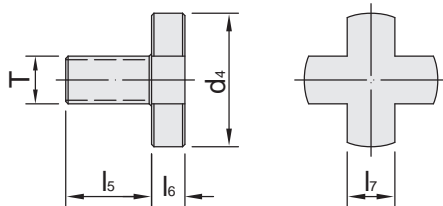
SYIC - 42830 KEY

MODEL NO.	TYPE	L	D	R	WEIGHT (KGS)
SYIC - 42831	KEY - 16	20	4	4	0.002
SYIC - 42832	KEY - 22	25	6	3	0.003
SYIC - 42833	KEY - 27	25	7	3.5	0.004
SYIC - 42834	KEY - 32	28	7	4	0.006
SYIC - 42835	KEY - 40	32	8	5	0.008
SYIC - 42836	KEY - 50	36	8	6	0.009



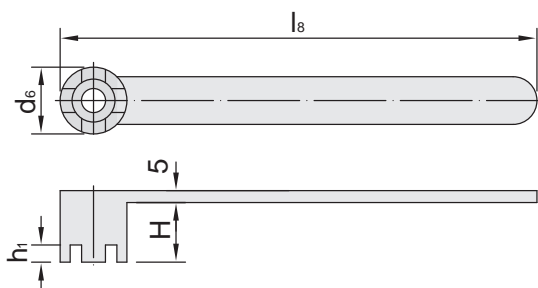
SYIC - 42840 REMOVABLE RING

MODEL NO.	TYPE - d ₁	d ₂	k ₁	k ₂	k ₃	l ₄	WEIGHT (KGS)
SYIC - 42841	CORE - 16	32	8	5	4	10	0.009
SYIC - 42843	CORE - 22	40	10	5.6	6	12	0.010
SYIC - 42845	CORE - 27	48	12	6.3	7	12	0.020
SYIC - 42847	CORE - 32	58	14	7	8	14	0.030
SYIC - 42849	CORE - 40	70	16	8	10	14	0.040
SYIC - 42851	CORE - 50	90	18	9	12	16	0.050



SYIC - 42860 NUT

MODEL NO.	TYPE	d ₄	l ₅	l ₆	l ₇	T	WEIGHT (KGS)
SYIC - 42861	CONU - 16	20	16	6	8	M8 x 1.25P	0.07
SYIC - 42863	CONU - 22	28	18	7	10	M10 x 1.5P	0.08
SYIC - 42865	CONU - 27	35	22	8	12	M12 x 1.75P	0.10
SYIC - 42867	CONU - 32	42	26	9	16	M16 x 2.0P	0.20
SYIC - 42869	CONU - 40	52	30	10	20	M20 x 2.5P	0.25
SYIC - 42871	CONU - 50	63	36	12	24	M24 x 3.0P	0.30



SYIC - 42880 SPANNER

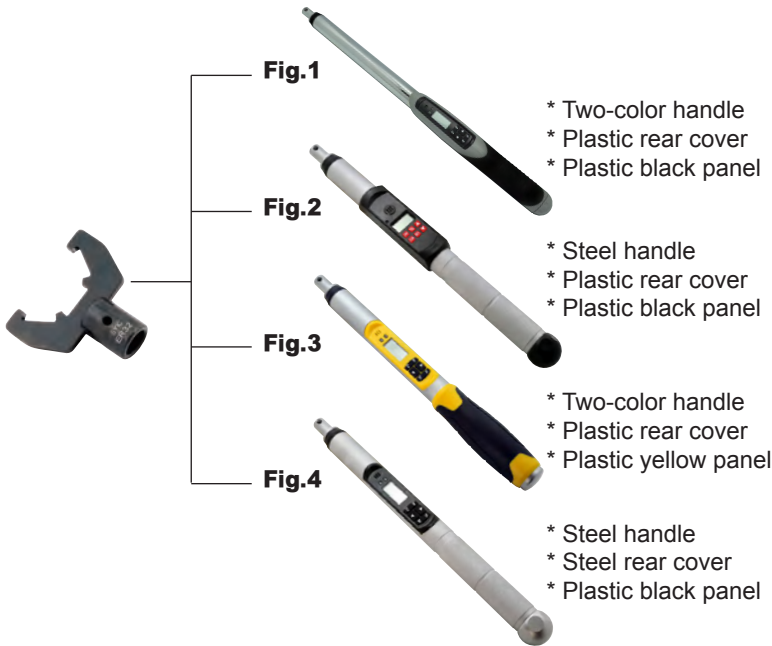
MODEL NO.	TYPE	d ₆	l ₈	H	h ₁	WEIGHT (KGS)
SYIC - 42881	COSP - 16	22	180	20	6.2	0.30
SYIC - 42883	COSP - 22	28	200	25	7.2	0.40
SYIC - 42885	COSP - 27	35	225	32	8.5	0.50
SYIC - 42887	COSP - 32	42	250	36	9.5	0.65
SYIC - 42889	COSP - 40	52	280	40	11	0.85
SYIC - 42891	COSP - 50	63	315	45	12	0.95



SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH

SYIC-04545

數顯LCD扭力扳手



Features of Spigot Interchangeable Digital Torque Wrench:

- Reading wrong message usually occurs in the Exchangeable Torque Wrench. To avoid reading wrong message, Spigot Interchangeable Digital Torque Wrench has Large LCD screen and stable value increased speed. LED light will flash and alert when the wrench is close to the target torque.
- When the wrench is close to the target torque, the two-stage beep lets users easily distinguish.
- Easily to change torque units: Nm, lbf-ft, lbf-in, and kgf-m
 1. The specially designed sensor and super CPU will measure and calculate the torque value and show on the screen.
 2. The replaceable nut adapters let users change different types according to users' needs.
 3. ϕ 16mm knob heads can match all nut adapters of ϕ 16mm.
 4. Widely used for tool's tightening and loosening in CNC machining centers.

MODEL NO.	TYPE	LENGTH	RANGE		Fig	WEIGHT (KGS)
			N.m	ft/lbs		
SYIC - 04575 - 135	DG - 135	365	10 - 135	74 - 99.6	1	0.8
SYIC - 04575 - 200	DG - 200	540	20 - 200	14.8 - 147		1.1
SYIC - 04575 - 340	DG - 340	769	34 - 340	25 - 250.9		1.4
SYIC - 283.DG252	DG - 252	373	10 - 350	7.4 - 99.6	2	0.8
SYIC - 283.DG253	DG - 253	548	20 - 200	14.8 - 147		1.05
SYIC - 283.DG254	DG - 254	748	34 - 340	25 - 250.9		1.35
SYIC - 283.DG264	DG - 264	373	10 - 350	7.4 - 99.6	3	0.85
SYIC - 283.DG265	DG - 265	548	20 - 200	14.8 - 147		1.1
SYIC - 283.DG266	DG - 266	748	34 - 340	25 - 250.9		1.4
SYIC - 283.DG271	DG - 271	373	10 - 350	7.4 - 99.6	4	0.65
SYIC - 283.DG272	DG - 272	548	20 - 200	14.8 - 147		0.9
SYIC - 283.DG273	DG - 273	748	34 - 340	25 - 250.9		1.2



NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

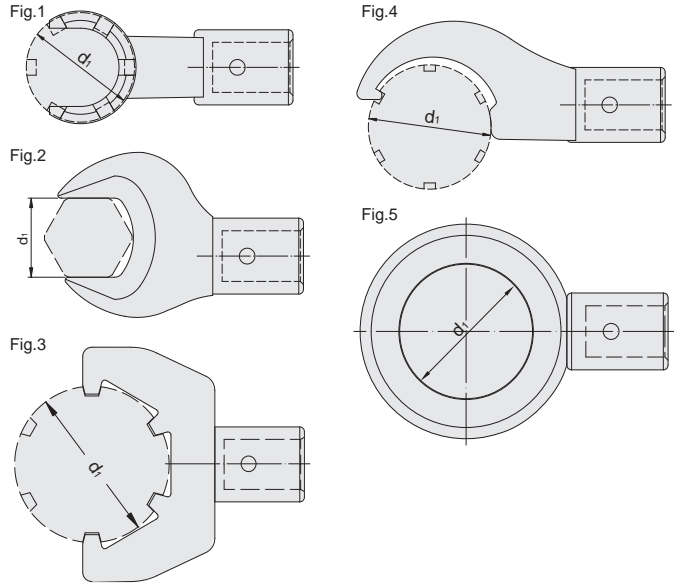
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-04580

螺帽轉接頭(扭力扳手用)



- Please use it with SYIC-04570 or SYIC-04545.
- Set standard for nut clamping torque, please see the type as below for your reference.
- Due to setting torque in advance, it can prevent tool slipping. Not easy to tighten or loosen excessively, which can protect collets from elastic fatigue.
- Fig.5 for Wind Resistance Nut.

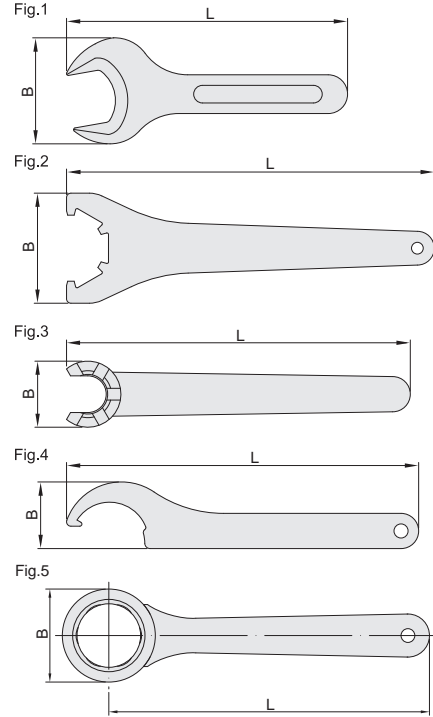
MODEL NO.	TYPE	d ₁	Max.TORQUE		Fig	WEIGHT (KGS)
SYIC - 04576	ER11 - M	16	18 N.m	14 ft/lbs	1	0.09
SYIC - 04577	ER16 - M	22	29 N.m	22 ft/lbs		0.10
SYIC - 04578	ER20 - M	28	33 N.m	25 ft/lbs		0.10
SYIC - 04587	ER25 - M	35	39 N.m	29 ft/lbs		0.10
SYIC - 04582	ER16 - A	25	68 N.m	50 ft/lbs	2	0.14
SYIC - 04584	ER20 - A	30	102 N.m	75 ft/lbs		0.20
SYIC - 04586	ER25	42	129 N.m	95 ft/lbs	3	0.25
SYIC - 04588	ER32	50	170 N.m	125 ft/lbs		0.30
SYIC - 04590	ER40	63	217 N.m	160 ft/lbs		0.40
SYIC - 04592	EOC25	60	280 N.m	206 ft/lbs	4	0.30
SYIC - 04597 - 6	SKS6	18	70 N.m	52 ft/lbs		0.08
SYIC - 04597 - 10	SKS10	30	20 N.m	15 ft/lbs		0.16
SYIC - 04597 - 13	SKS13	35	20 N.m	15 ft/lbs		0.17
SYIC - 04597 - 16	SKS16	40	55 N.m	40 ft/lbs		0.18
SYIC - 04597 - 20	SKS20	48.5	55 N.m	40 ft/lbs		
SYIC - 04597 - 25	SKS25	50	80 N.m	60 ft/lbs	0.20	
SYIC - 287.128.11	ER11 W - TDQ / SKS6 W - TDQ	18	20 N.m	15 ft/lbs	5	0.16
SYIC - 287.128.16	ER16 W - TDQ / SKS10 W - TDQ	30	70 N.m	52 ft/lbs		0.26
SYIC - 287.128.20	ER20 W - TDQ / SKS13W - TDQ	34	70 N.m	52 ft/lbs		0.26
SYIC - 287.128.25	ER25 W - TDQ	42	60 N.m	44 ft/lbs		0.30
SYIC - 287.128.32	ER32 W - TDQ	50	80 N.m	60 ft/lbs		0.34
SYIC - 287.666.16	SKS16 W - TDQ	40	55 N.m	40 ft/lbs		0.30
SYIC - 287.666.25	SKS25 W - TDQ	55	80 N.m	60 ft/lbs		0.38

SYIC-04600

ER 扳手



- Steel: SCM - 4.
- UM/RD is compatible.
- The spanner can be purchased separately.
- ER collet chuck doesn't include a spanner.



No using adjustable spanner!



No using ER spanner with steel tube!



No using adjustable spanner with steel tube!



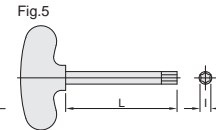
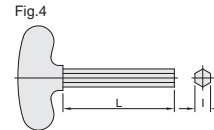
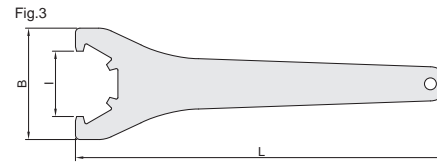
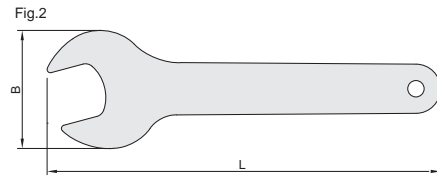
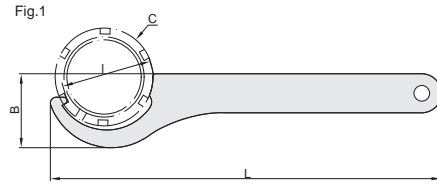
Unsuitable usage of spanner will make nut break easily.

MODEL NO.	TYPE	NUT DIA	L	B	Max.TORQUE	Fig	WEIGHT (KGS)
SYIC - 04608	ER11 - A	19	120	40	20 ft/lbs	1	0.10
SYIC - 04609	ER16 - A	28	140	53	50 ft/lbs		0.15
SYIC - 04610	ER20 - A	34	160	60	75 ft/lbs		0.20
SYIC - 04615	ER25 UM/RD	42	206	65	95 ft/lbs	2	0.22
SYIC - 04616	ER32 UM/RD	50	253	75	125 ft/lbs		0.30
SYIC - 04617	ER40 UM/RD	63	289	90	140 ft/lbs		0.50
SYIC - 04618	ER50 UM/RD	78	351	110	160 ft/lbs		0.90
SYIC - 04620	ER8 - M	12	75	13	7 ft/lbs	3	0.05
SYIC - 04621	ER11 - M	16	95	17	14 ft/lbs		0.04
SYIC - 04622	ER16 - M	22	117	23	22 ft/lbs		0.06
SYIC - 04623	ER20 - M	28	129	29	25 ft/lbs		0.07
SYIC - 04624	ER25 - M	19	143	36	29 ft/lbs		0.09
SYIC - 04642	ER16 - HSP	32	150	29	50 ft/lbs	4	0.15
SYIC - 04644	ER20 - HSP	36	150	29	75 ft/lbs		0.20
SYIC - 04645	ER25 - HSP	42	200	38	95 ft/lbs		0.22
SYIC - 04646	ER32 - HSP	50	200	38	125 ft/lbs		0.30
SYIC - 286.129.11	ER11 W-RDQ / SKS6 W-RDQ	18	120	43	15 ft/lbs	5	0.52
SYIC - 286.129.16	ER16 W-RDQ / SKS10 W-RDQ	30	170	55	52 ft/lbs		0.66
SYIC - 286.129.20	ER20 W-RDQ / SKS13 W-RDQ	34	172	59	52 ft/lbs		0.62
SYIC - 286.129.25	ER25 W-RDQ	42	175	67	44 ft/lbs		0.66
SYIC - 286.129.32	ER32 W-RDQ	50	180	75	60 ft/lbs		0.70
SYIC - 286.667.16	SKS16 W-RDQ	40	175	65	40 ft/lbs		0.66
SYIC - 286.667.20	SKS20 W-RDQ	48	198	75	50 ft/lbs		0.70
SYIC - 286.667.25	SKS25 W-RDQ	55	183	80	60 ft/lbs		0.74

SYIC-83690



扳手



• Can order spanner separately.

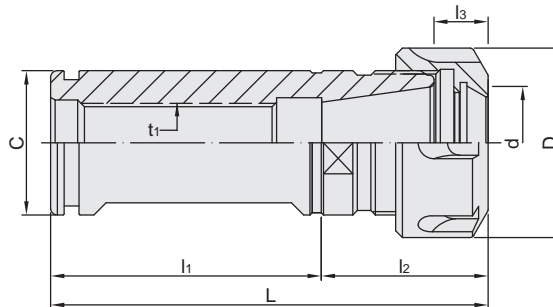
MODEL NO.	TYPE	L	B	C	I	Fig	WEIGHT (KGS)	
SYIC - 82170	SPU - 8	155	26	36	31	1	0.06	
SYIC - 82171	SPU - 10		27.5	43	35		0.06	
SYIC - 82172	SPU - 13		37.5	48	46		0.08	
SYIC - 82173	SPU - 16	170	40	54	49.5		0.08	
SYIC - 83691	EOC - 25	260	46	60	52		0.30	
SYIC - 84191	MLC - 42	285	65	90	90		0.37	
SYIC - 84192	MLC - 20	260	46	56.5	52		0.30	
SYIC - 84193	MLC - 32 \ EOC - 32	272	64	72	67		0.45	
SYIC - 84194	MLC - 25	250	46.6	58.8	55		0.30	
SYIC - 84192G	MLD - 20 \ MLD - 3/4"	260	46	56.5	47.5		0.30	
SYIC - 84193G	MLD - 32 \ MLD - 1-1/4"	272	64	71	63	0.45		
SYIC - 18322	SKS6	120	36	-	-	2	0.22	
SYIC - 18323	SKS10	200	30	30	27	1	0.25	
SYIC - 18323-13	SKS13	220	30	34	29.8		0.25	
SYIC - 18324	SKS16	220	38	40	37		0.30	
SYIC - 18324-20	SKS20	220	40	48	35.8		0.32	
SYIC - 18325	SKS25	235	41	55.1	51		0.40	
SYIC - 84018	TG75	253	75	-	-	3	0.30	
SYIC - 84019	TG100	260	46	60	52	1	0.40	
SYIC - 84020	TG150	272	64	82	67		0.50	
B11 - A - 11T20X200 - B	T20 - 200	200	-	-	T20		4	0.04
B11 - A - 11T40X100 - B	T40 - 100	100			T40	0.04		
B11 - A - 11T40X200 - B	T40 - 200	200			T40	0.12		
B11 - A - 10T5X150 - B	T5 - 150	150			5	5	0.06	
B11 - A - 10T5X200 - B	T5 - 200	200					0.06	
B11 - A - 10T6X150 - B	T6 - 150	150					6	0.08
B11 - A - 10T6X200 - B	T6 - 200	200						0.10
B11 - A - 10T8X200 - B	T8 - 200				200	8	0.14	

SYIC-04760

NC / ER 夾頭柄



T W PAT NO. M298033
 T W PAT NO. M311791
 J P PAT NO. 3128766
 K R PAT NO. 20-0433603
 C N PAT NO. ZL200620132661.0
 C H PAT NO. 696550
 T R PAT NO. TR 2007 02942 Y
 I T PAT NO. N.0000266731
 T W PAT NO. 186381



- This is specially suitable for CNC Machines but can also be used for general machines.
- At the end of body, there's an O-ring for sealing.

MODEL NO.	TYPE C x d - l ₁	L	l ₂	l ₃	D	t ₁	WEIGHT (KGS)
SYIC - 04762	C32 x NC/ER25 - 60	97	37	12	42	M18 x 1.5P	0.70
SYIC - 04764	C32 x NC/ER32 - 60	103	43	13	50	M22 x 1.5P	0.75
SYIC - 04766	C40 x NC/ER32 - 80	118	38				1.25
SYIC - 04768	C40 x NC/ER40 - 75	135	60	15	63	M28 x 1.5P	1.30
SYIC - 04770	C45 x NC/ER32 - 120	178	58	13	50	M22 x 1.5P	1.60
SYIC - 04772	C45 x NC/ER40 - 120	180	60	15	63	M28 x 1.5P	1.65
SYIC - 04782	C1-1/4" x NC/ER25 - 60	97	37	12	42	M18 x 1.5P	0.70
SYIC - 04784	C1-1/4" x NC/ER32 - 60	103	43	13	50	M22 x 1.5P	0.75
SYIC - 04786	C1-1/4" x NC/ER40 - 60	120	60	15	63		0.84
SYIC - 04788	C1-1/2" x NC/ER32 - 80	118	38	13	50		1.25
SYIC - 04790	C1-1/2" x NC/ER40 - 75	135	60	15	63	M28 x 1.5P	1.30



STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE

SYIC-04800

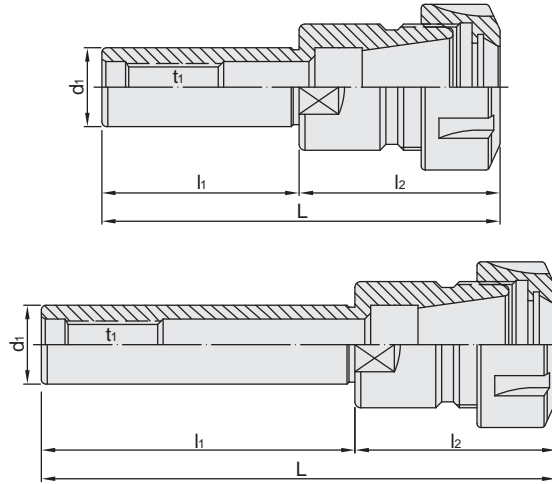
直柄 ER 夾頭柄



DIN ISO 15488



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381



- Steel: SNCM - 21.
- HRC: 56°.
- Each body has been locked with a nut as attachment, but without collets
- For complete set, please refer to SYIC-05000.

MODEL NO.	TYPE	L	l ₁	l ₂	ER	d ₁	t ₁	WEIGHT (KGS)
SYIC - 04851	C16 x ER11A - 140	156.6	140	16.6	11	16	M6 x 1.0P	0.23
SYIC - 04802	C16 x ER16A - 50	90	50	40	16		M10 x 1.5P	0.15
SYIC - 04803	C16 x ER16A - 100	140	100			20	20	M12 x 1.75P
SYIC - 04804	C16 x ER16A - 150	190	150	50	25			
SYIC - 04806	C20 x ER16A - 50	90	50			40.5	20	M12 x 1.75P
SYIC - 04807	C20 x ER16A - 100	140	100	51	25			
SYIC - 04808	C20 x ER16A - 150	190	150			51.5	32	M10 x 1.5P
SYIC - 04810	C20 x ER20A - 60	100.5	60	51.5	32			
SYIC - 04811	C20 x ER20A - 120	160.5	120			51	25	M16 x 2.0P
SYIC - 04812	C20 x ER20A - 180	220.5	180	51.5	32			
SYIC - 04814	C20 x ER25 - 50	101	50			51.5	32	M16 x 2.0P
SYIC - 04815	C20 x ER25 - 100	151	100	51.5	32			
SYIC - 04817	C20 x ER32 - 50	101.5	50			51.5	32	M16 x 2.0P
SYIC - 04818	C20 x ER32 - 100	151.5	100	51.5	32			
SYIC - 04820	C25 x ER25 - 50	101	50			51.5	32	M16 x 2.0P
SYIC - 04821	C25 x ER25 - 100	151	100	51.5	32			
SYIC - 04823	C25 x ER32 - 50	101.5	50			51.5	32	M16 x 2.0P
SYIC - 04825	C25 x ER40 - 50	115	50	51.5	32			
SYIC - 04827	C32 x ER32 - 60	111.5	60			51.5	32	M16 x 2.0P
SYIC - 04829	C32 x ER40 - 50	115	50	51.5	32			
SYIC - 04855	C1/2" x ER11A - 140	156.6	140			16.6	11	12.7
SYIC - 04854	C5/8" x ER11A - 140	156.6	140	35.1	16			15.875
SYIC - 04832	C5/8" x ER16A - 60	95.1	60			35.1	16	15.875
SYIC - 04834	C3/4" x ER16A - 50	85.1	50	35.1	16			19.05
SYIC - 04835	C3/4" x ER16A - 100	135.1	100			35.1	16	19.05
SYIC - 04856	C3/4" x ER16A - 140	175.1	140	35.1	16			19.05
SYIC - 04836 - 2.5	C3/4" x ER20A - 63.5	104	63.5			40.5	20	19.05
SYIC - 04858	C1" x ER20A - 140	180.5	140	40.5	20			25.4
SYIC - 04837	C1" x ER25 - 50	101	50			51	25	25.4
SYIC - 04839	C1" x ER32 - 50	101.5	50	51.5	32			25.4
SYIC - 04841	C1" x ER40 - 50	115	50			51.5	32	25.4
SYIC - 04843	C1-1/4" x ER32 - 60	111.5	60	51.5	32			31.75

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-59

B
T



STRAIGHT SHANK
COLLET CHUCK AND
EXTENSION TYPE

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T

SYIC-04860

小徑 / 直柄 ER 夾頭柄

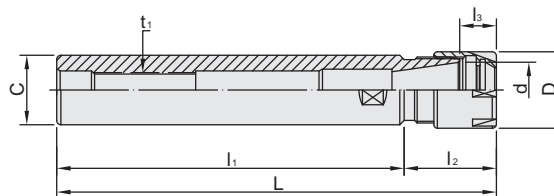


DIN ISO 15488

D
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T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381



H
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M
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- Steel: SNCM - 21.
- HRC: Shank 56°, hole 44°~46°.
- Each body has been locked with a nut as attachment, but without a spanner and collets.

- For Spanner, please see SYIC-04600.
- For ER collet, please see SYIC-04200.
- For ER TAP collet, please see SYIC-05320.
- Not including stop screw, please purchase separately.

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MODEL NO.	TYPE (C x d - l ₁)	L	l ₂	l ₃	D	t ₁	WEIGHT (KGS)
SYIC - 04860	C8 x ER8M - 55	79	24	6	12	-	0.05
SYIC - 04861	C10 x ER8M - 180	197	17				0.15
SYIC - 04862	C12 x ER8M - 55	72	17				0.20
SYIC - 04863	C12 x ER11M - 80	96.6	16.6	6.6	16	M5 x 0.8P	0.23
SYIC - 04864	C16 x ER11M - 50	66.6					0.25
SYIC - 04865	C16 x ER11M - 100	116.6					0.23
SYIC - 04866	C16 x ER11M - 140	156.6					0.35
SYIC - 04867	C12 x ER16M - 80	117	37	10.6	22	M10 x 1.5P	0.38
SYIC - 04868	C20 x ER16M - 100	125	25	10.6	22		0.42
SYIC - 04869	C20 x ER16M - 140	165					0.35
SYIC - 04870	C20 x ER16M - 160	185	40	11.5	28	M12 x 1.75P	0.38
SYIC - 04873	C20 x ER20M - 60	100					0.40
SYIC - 04875	C20 x ER20M - 100	140					0.45
SYIC - 04877	C20 x ER20M - 120	160					0.50
SYIC - 04879	C20 x ER20M - 150	190					0.55
SYIC - 04881	C20 x ER20M - 180	220					0.60
SYIC - 04883	C22 x ER20M - 140	180	28	12	35	0.38	
SYIC - 04885	C25 x ER20M - 140	168				0.15	
SYIC - 04887	C20 x ER25M - 100	150	50	12	35	-	0.20
SYIC - 04889	C3/8" x ER8M - 100	117	17	6	12		0.23
SYIC - 04890	C1/2" x ER8M - 78	95	17	6	12	-	0.20
SYIC - 04891	C1/2" x ER11M - 140	156.6	16.6	6.6	16	M5 x 0.8P	0.16
SYIC - 04893	C5/8" x ER11M - 140						0.20
SYIC - 04888	C1" x ER25M - 140	190	50	12	35	M16 x 2.0P	0.23
SYIC - 04895	C1/2" x ER16M - 140	177	37	10.6	22		0.50
SYIC - 04896	C3/4" x ER16M - 140	165	25	10.6	22	M10 x 1.5P	0.25
SYIC - 04897	C1" x ER20M - 140	168	28	11.5	28	M12 x 1.75P	0.50
SYIC - 04898	C3/4" x ER25M - 100	150	50	12	35		0.35

Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-59

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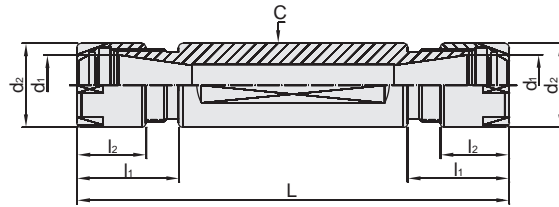
DOUBLE-ENDED STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE

SYIC-05150

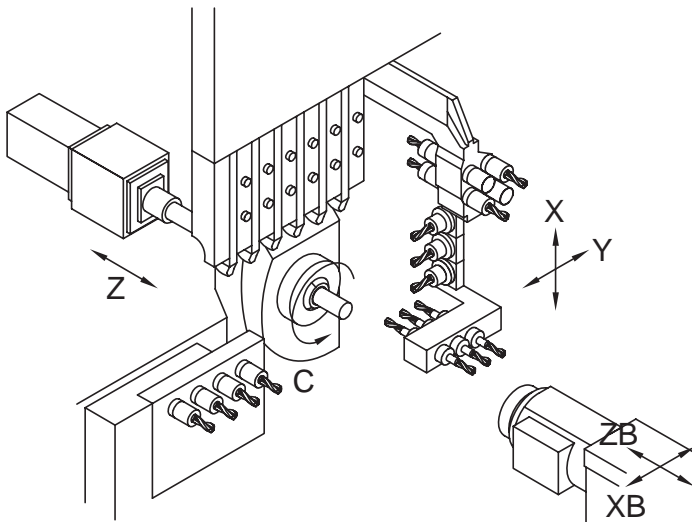
直柄兩端 ER 自動車床用夾頭柄



T W PAT NO. M298033
T W PAT NO. M311791
J P PAT NO. 3128766
K R PAT NO. 20-0433603
C N PAT NO. ZL200620132661.0
C H PAT NO. 696550
T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381



- Material: alloy steel of Nickel, Chromium and Molybdenum. (Good tolerance to prevent vibration, not easy to get deformed.)
- Hardness: Body 56°-60°HRC, Thread 44°-46°HRC, Two-parted rigidity design.
- The concentricity of the internal hole is 0.005mm, which extends tool life.
- The tolerance of the chuck's diameter is -0.005-0.008mm with high operation efficiency.
- The flat side of the holder is for the side lock screw to fasten.
- Double head style is suitable for automatic lathe and multi-purposed processing.
- Suitable for all kinds of CNC lathes.
- Compatible with three kinds of ER collets-0.015mm (Class standard), 0.01mm(Class A) and 0.005mm(Class UP), which are graded by their precision.
- Compatible with ER-TC RIGID TAP COLLETS and control machinery for rigid tap processing.
- Compatible with FLOATING TAP COLLETS and control machinery for soft tap processing.
- Compatible with COOLANT COLLETS and control machinery for better metal chips removal.
- TYPE C20 is suitable for the brand, TAKAMAZ CITIZEN MIYANO, conforming to the SWISS MODEL.
- TYPE C22 is suitable for the brand, STAR, conforming to the SWISS MODEL.
- TYPE C23 is suitable for the brand, NOMURA, conforming to the SWISS MODEL.



MODEL NO.	TYPE	L	l ₁	l ₂	C	d ₁	d ₂	WEIGHT (KGS)
SYIC - 05156	DE20 x ER11M - 50	83.2	16.6	12	20	11	16	0.12
SYIC - 05157	DE20 x ER11M - 75	108.2						0.12
SYIC - 05158	DE20 x ER16M - 50	103.2	26.6	18		16	22	0.10
SYIC - 05159	DE20 x ER16M - 75	128.2						0.12
SYIC - 05166	DE22 x ER11M - 60	93.2	16.6	12	22	11	16	0.12
SYIC - 05167	DE22 x ER11M - 100	133.2						0.14
SYIC - 05168	DE22 x ER16M - 60	113.2	26.6	18		16	22	0.14
SYIC - 05169	DE22 x ER16M - 100	153.2						0.16
SYIC - 05176	DE23 x ER11M - 60	93.2	16.6	12	23	11	16	0.16
SYIC - 05177	DE23 x ER11M - 100	133.2						0.18
SYIC - 05178	DE23 x ER16M - 60	113.2	26.6	18		16	22	0.20
SYIC - 05179	DE23 x ER16M - 100	153.2						0.21

Standard Accessory: ● STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW
P.J-6	P.J-25	P.J-34	P.J-59

SYIC-05200

直柄伸縮 ER 攻牙器 (CNC車床專用)



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T R PAT NO. TR 2007 02942 Y
I T PAT NO. N.0000266731
T W PAT NO. 186381

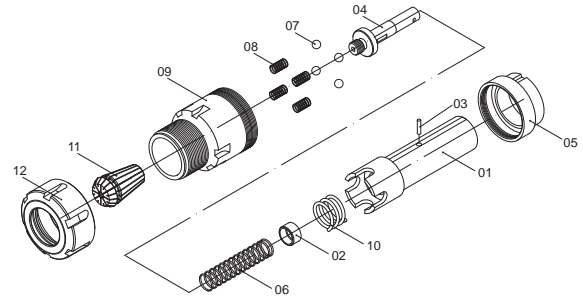
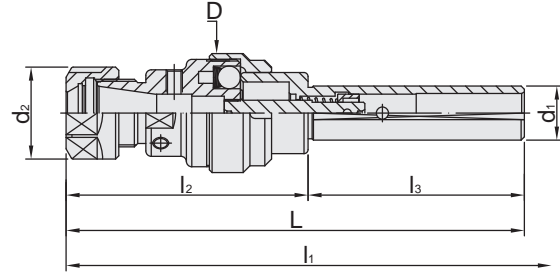
- Used with ER Rigid Tap Collet or ER Collet to hold taps.
- The body is made of SCM-21 steel. Tightening screw is precisely ground.
- Flexible design. Can avoid any tap breakage resulting from overdoing, spindle's counterclockwise turning and turret moving.
- Good floating assembly, can be automatic to correct deviation of repeated position in workpiece.
- SYIC-05225, SYIC-05235 and SYIC-05245 are designed to tighten the tool holder and ER tapper by inside thread. There are metric type and inch type for the inside thread. Please inform us which type you need when making an order.

$$S = \frac{V}{P} \quad S = \text{Spindle running speed}$$

$$V = M / \text{min} \quad P = \text{Pitch}$$

for example:

1. Processing material: S45C, V=400~440
2. Pitch = 1.5P
3. $S = \frac{V}{P} = 440 / 1.5 \approx 293$ (R. P. M.)



NO.	NAME OF EACH PART	NO.	NAME OF EACH PART
01	Body	07	Steel ball (4 pcs)
02	Key ring	08	Little spring (4 pcs)
03	Fix key	09	ER tapper chuck
04	Conjunction spindle	10	side lock screw
05	Steel ball cover	11	ER nut
06	Big spring	12	ER tap collet

ER32 Tapping Collet see SYIC - 05320

NOTE:

1. If the processing material is harder, the M/min becomes slower relatively.
2. Before using the Straight Shank ER Tapper, please decide spindle running speed of Lathe Machine; otherwise, it will make the Shank and Tap break or split because of too fast or too slow speed.

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	COLLET	CAPACITY	WEIGHT (KGS)
SYIC - 05205	TP - 20	44	20	34	159	172	79	80	ER20	M3 ~ M16	0.5
SYIC - 05206	TP - 225		25								0.7
SYIC - 05207	TP - 232		32								0.9
SYIC - 05208	STP - 20	37	20		155						1.0
SYIC - 05215	TP - 32	56	32	50	174.5	190	94.5	80	ER32	M3 ~ M27	1.6
SYIC - 05225	TPM - 320	44	MT3	34	165	178	79	86	ER20	M3 ~ M16	1.4
SYIC - 05235	TPM - 420		MT4								1.6
SYIC - 05245	TPM - 432		56								50

Standard Accessory: • STANDARD NUT
Option

COLLET	NUT	SPANNER
P.J-11	P.J-25	P.J-34



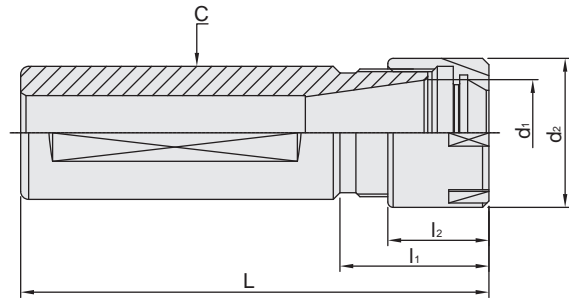
STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE

SYIC-05260

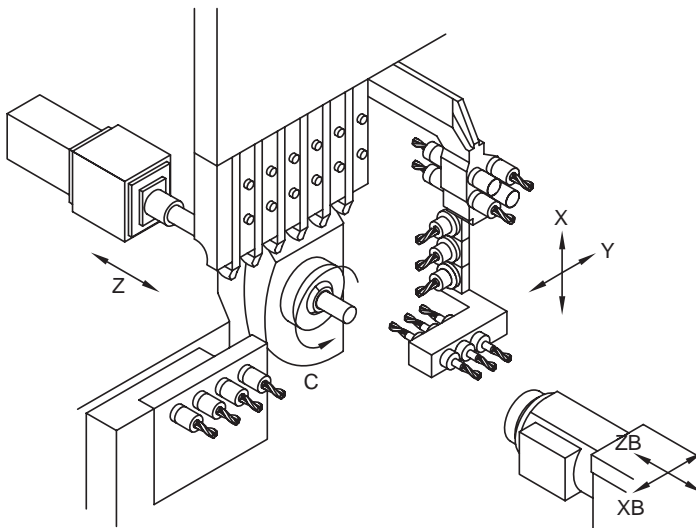
小徑/直柄 ER 自動車床用夾頭柄



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T W PAT NO. M311791
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K R PAT NO. 20-0433603
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MODEL NO.	TYPE	L	l ₁	l ₂	C	d ₁	d ₂	WEIGHT (KGS)
SYIC - 05272	C20 x ER11M - 60	76.6	16.6	6.6	20	11	16	0.14
SYIC - 05274	C20 x ER16M - 60	86.6	26.6	10.6		16	22	0.22
SYIC - 05278	C22 x ER11M - 60	103.2	16.6	6.6	22	11	16	0.26
SYIC - 05280	C22 x ER16M - 60	86.6	26.6	10.6		16	22	0.28
SYIC - 05286	C23 x ER11M - 60	93.2	16.6	6.6	23	11	16	0.30
SYIC - 05288	C23 x ER16M - 60	86.6	26.6	10.6		16	22	0.32
SYIC - 05298	C25 x ER20M - 60	88	16.5	11.5		20	28	0.34

Standard Accessory: ● STANDARD NUT

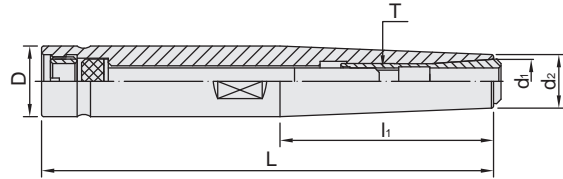
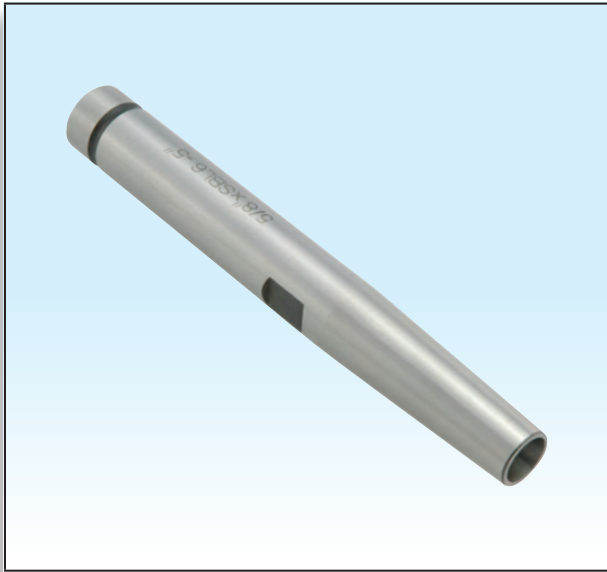
Option

COLLET	NUT	SPANNER
P.J-6	P.J-25	P.J-34



SYIC-06000

直柄 SBL 小徑延長桿



- Steel: SNCM-21.
- HRC: 44°~48°.
- Spanner is supplied with SYIC-06000 Straight Shank SBL Collet Chuck.
- For collets, please refer to SYIC-18851 SLC Collet.

MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂	T	WEIGHT (KGS)			
SYIC - 06002	C12 x SBL6 - 120	120	-	12	9.93	12	M6 x 1.0P	0.16			
SYIC - 06004	C12 x SBL6 - 150	150		0.18							
SYIC - 06008	C16 x SBL6 - 120	120	48	16				0.21			
SYIC - 06010	C16 x SBL6 - 150	150		0.22							
SYIC - 06012	C16 x SBL6 - 200	200	76.5	20				12	M6 x 1.0P	0.24	
SYIC - 06014	C20 x SBL6 - 120	120								0.36	
SYIC - 06016	C20 x SBL6 - 150	150								86	0.23
SYIC - 06018	C20 x SBL6 - 200	200								76.5	0.25
SYIC - 06020	C25 x SBL6 - 120	120	60	25				14	M6 x 1.0P	0.33	
SYIC - 06022	C25 x SBL6 - 150	150								0.34	
SYIC - 06024	C25 x SBL6 - 200	200			0.36						
SYIC - 06026	C25 x SBL12 - 120	120	50	18	22	M10 x 1.5P	0.34				
SYIC - 06028	C25 x SBL12 - 150	150					0.35				
SYIC - 06030	C25 x SBL12 - 200	200					0.37				
SYIC - 06032	1/2" x SBL6 - 5"	127					48	12.7	12	M6 x 1.0P	0.16
SYIC - 06034	1/2" x SBL6 - 6"	152.4	0.18								
SYIC - 06038	5/8" x SBL6 - 5"	127	15.875	12	M6 x 1.0P	0.21					
SYIC - 06040	5/8" x SBL6 - 6"	152.4				0.22					
SYIC - 06042	5/8" x SBL6 - 8"	203.2	9.93	19.05	M6 x 1.0P	0.24					
SYIC - 06044	3/4" x SBL6 - 5"	127				0.22					
SYIC - 06046	3/4" x SBL6 - 6"	152.4	96	25.4	14	M6 x 1.0P	0.23				
SYIC - 06048	3/4" x SBL6 - 8"	203.2					0.25				
SYIC - 06050	1" x SBL6 - 5"	127	60	18	22	M10 x 1.5P	0.33				
SYIC - 06052	1" x SBL6 - 6"	152.4					0.34				
SYIC - 06054	1" x SBL6 - 8"	203.2					0.36				
SYIC - 06058	1" x SBL12 - 5"	127					56	18	22	M10 x 1.5P	0.34
SYIC - 06060	1" x SBL12 - 6"	152.4	0.35								
SYIC - 06062	1" x SBL12 - 8"	203.2	0.37								

Option

COLLET	SPANNER
 P237	 P250



STRAIGHT EXTENSION SIDE LOCK HOLDER

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

SHRINK FIT

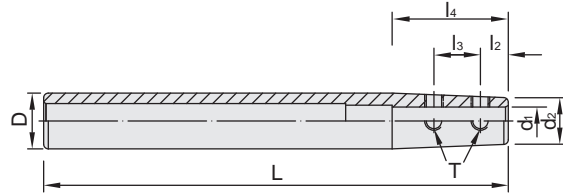
ACCESSORIES

KIT

TECHNICAL INFO.

SYIC-07100

C / SL 直柄側固式延長小徑刀柄

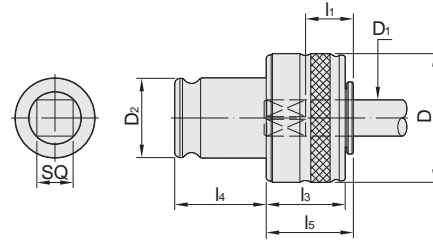


• d₁ is H5.

MODEL NO.	TYPE	L	l ₂	l ₃	l ₄	D	d ₁	d ₂	T	WEIGHT (KGS)						
SYIC - 07112	C10 x SL3 - 150	150	6	10	25	10	3	9	M3 x 0.5P	0.10						
SYIC - 07114	C10 x SL4 - 150						4			0.10						
SYIC - 07116	C10 x SL6 - 150						6	-		0.10						
SYIC - 07118	C12 x SL4 - 150						4	9		0.12						
SYIC - 07120	C12 x SL6 - 100	100				12	6	10		0.10						
SYIC - 07122	C12 x SL6 - 150	150					0.12									
SYIC - 07124	C16 x SL4 - 150						4			0.15						
SYIC - 07126	C16 x SL4 - 200	200					6			13	0.18					
SYIC - 07128	C16 x SL6 - 150	150				16	8	15		0.15						
SYIC - 07130	C16 x SL6 - 200	200					0.18									
SYIC - 07132	C16 x SL8 - 150	150					6			13	0.18					
SYIC - 07134	C16 x SL8 - 200	200					8			15	0.18					
SYIC - 07138	C20 x SL6 - 150	150				6	10	25		20	6	15	M4 x 0.7P	0.18		
SYIC - 07140	C20 x SL8 - 150										8			0.18		
SYIC - 07142	C20 x SL8 - 200										200			10	17	0.18
SYIC - 07144	C20 x SL10 - 150										150			12	19	0.18
SYIC - 07146	C20 x SL10 - 200	200	32	6	13				M6 x 1.0P	0.20						
SYIC - 07148	C20 x SL12 - 150	150		8						15	0.21					
SYIC - 07150	C20 x SL12 - 200	200		10						17	0.22					
SYIC - 07152	C32 x SL6 - 150	150		12						19	0.22					
SYIC - 07154	C32 x SL8 - 150		6	13	0.21											
SYIC - 07156	C32 x SL10 - 150		8	15	0.21											
SYIC - 07158	C32 x SL12 - 150		10	17	0.22											

SYIC-17730

快換式 扭力 攻牙筒夾



- Please inform the sizes of D1 and SQ when making an order.
- Has a range of torsion and can be set in advance. The harder materials of tools, the stronger torsion is needed.

MODEL NO.	TYPE	TAPPING CAPACITY	D	D ₂	l ₁	l ₃	l ₄	l ₅	WEIGHT (KGS)
SYIC - 17730	TCS - 1B	M3 - M12, 1/4" ~ 1/2"	32	19	17	25	21.5	25	0.4
SYIC - 17750	TCS - 2B	M8 - M22, 3/8" ~ 7/8"	50	31	30	31	35	33	0.6
SYIC - 17770	TCS - 3B	M14 - M36, 5/8" ~ 1-1/4"	72	48	44	41	55.5	45	1.3

D ₁	TAP	SQ	STANDARD	D ₁	TAP	SQ	STANDARD	D ₁	TAP	SQ	STANDARD
2.24	M3	1.8	ISO-529	6.2	M8	5	JIS	16	M20	12	DIN-352
2.5	M3.5	2.1	DIN-376	6.3	M6	5	ISO-529	16	M20	12	DIN-376
2.5	M3.5	2.0	ISO-529	6.3	M8	5	ISO-529	16	M22	12.5	ISO-529
2.8	M4	2.1	DIN-376	7	M9	5.5	JIS	17	M22	13	JIS
3.15	M3	2.5	ISO-529	7	M10	5.5	JIS	18	M22	14.5	DIN-374
3.15	M4	2.5	ISO-529	7	M10	5.5	DIN-352	18	M22	14.5	DIN-376
3.5	M3	2.7	DIN-352	7	M10	5.5	DIN-376	18	M24	14.5	DIN-352
3.5	M3	2.7	DIN-371	8	M8	6.2	DIN-371	18	M24	14.5	DIN-376
3.5	M5	2.7	DIN-376	8	M8	6.3	ISO-529	18	M24	14	ISO-529
3.55	M3.5	2.8	ISO-529	8	M10	6.3	ISO-529	19	M24	15	JIS
3.55	M4.5	2.8	ISO-529	8	M11	6	JIS	19	M25	15	JIS
4	M3	3.2	JIS	8.5	M12	6.5	JIS	20	M26	15	JIS
4	M3.5	3	DIN-352	9	M12	7	DIN-352	20	M27	15	JIS
4	M3.5	3	DIN-371	9	M12	7	DIN-376	20	M27	16	DIN-376
4	M4	3.15	ISO-529	9	M12	7.1	ISO-529	20	M27	16	ISO-529
4	M5	3.15	ISO-529	10	M10	8	DIN-371	20	M30	16	ISO-529
4.5	M4	3.14	DIN-352	10	M10	8	ISO-529	21	M28	17	JIS
4.5	M4	3.4	DIN-371	10.5	M14	8	JIS	22	M30	18	DIN-352
4.5	M6	3.4	DIN-376	10.5	M15	8	JIS	22	M30	18	DIN-376
4.5	M6	3.55	ISO-529	11	M14	9	DIN-352	22.4	M33	18	ISO-529
5	M4	4	JIS	11	M14	9	DIN-376	23	M30	17	JIS
5	M4.5	4	JIS	11.2	M14	9	ISO-529	24	M32	19	JIS
5	M5	4	ISO-529	12	M16	9	DIN-352	25	M33	19	JIS
5.5	M5	4.5	JIS	12	M16	9	DIN-376	25	M33	20	DIN-352
5.5	M5.5	4.5	JIS	12.5	M16	10	JIS	25	M33	20	DIN-376
6	M5	4.9	DIN-352	12.5	M16	10	ISO-529	25	M36	20	ISO-529
6	M5	4.9	DIN-371	13	M17	10	JIS	26	M34	21	JIS
6	M6	4.5	JIS	14	M18	11	JIS	26	M35	21	JIS
6	M6	4.9	DIN-352	14	M18	11	DIN-352	28	M36	21	JIS
6	M6	4.9	DIN-371	14	M18	11	DIN-376	28	M36	22	DIN-352
6	M8	4.9	DIN-352	14	M18	11.2	ISO-529	28	M36	22	DIN-376
6	M8	4.9	DIN-376	14	M20	11.2	ISO-529	28	M38	21	JIS
6.2	M7	5	JIS	15	M20	12	JIS				

INCHES

D ₁	TAP	SQ	D ₁	TAP	SQ	D ₁	TAP	SQ
0.141"	1/8" or #6	0.110"	0.381"	3/8"	0.286"	0.687"	1/2"PT	0.515"
0.168"	5/32" or #8	0.131"	0.429"	9/16"	0.322"	0.697"	7/8"	0.523"
0.194"	3/16" or #10	0.152"	0.437"	1/8"PT	0.328"	0.700"	3/8"PT	0.531"
0.220"	7/32" or #12	0.165"	0.480"	5/8"	0.360"	0.760"	15/16"	0.570"
0.255"	1/4"	0.191"	0.542"	11/16"	0.406"	0.800"	1"	0.600"
0.318"	5/16"	0.238"	0.562"	1/4"PT	0.421"	0.896"	1-1/8"	0.669"
0.323"	7/16"	0.242"	0.590"	3/4"	0.442"	1.021"	1-1/4"	0.748"
0.367"	1/2"	0.275"	0.652"	13/16"	0.489"	1.108"	1-3/8"	0.827"



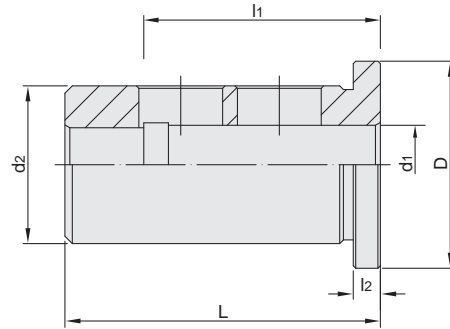
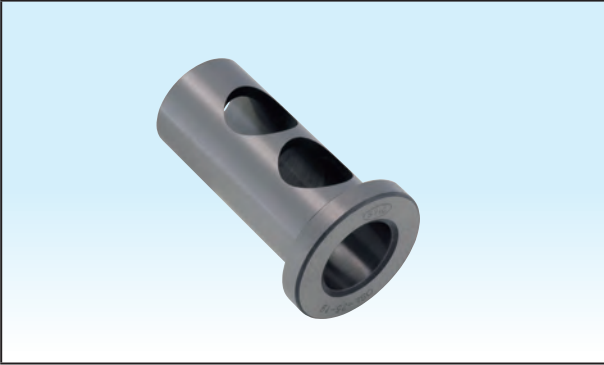
STRAIGHT SLEEVE (FOR SIDE LOCK OIL HOLE HOLDER)

BT

SYIC-18050

BT / OSL 側固式油路刀把套筒

CAT



DAT

MODEL NO.	TYPE d ₂ - d ₁	D	L	l ₁	l ₂	WEIGHT (KGS)
SYIC - 18051	OSL - 20 - 16	30	54	48	5.5	0.07
SYIC - 18053	OSL - 25 - 16	35	60	48		0.19
SYIC - 18055	OSL - 25 - 20			56		0.15
SYIC - 18057	OSL - 32 - 16	42	64	48		0.35
SYIC - 18059	OSL - 32 - 20			56		0.32
SYIC - 18061	OSL - 32 - 25			48		0.22
SYIC - 18063	OSL - 40 - 16	50	74	48		0.57
SYIC - 18065	OSL - 40 - 20			60		0.54
SYIC - 18067	OSL - 40 - 25			48		0.45
SYIC - 18069	OSL - 40 - 32			60		0.30

HSK

NT & MT



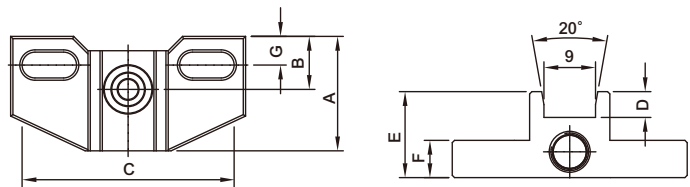
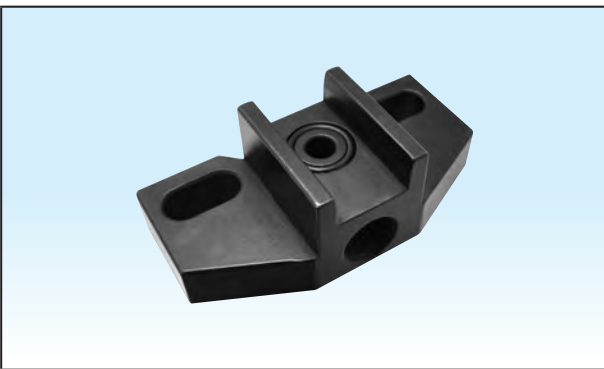
FIXED BLOCK

ISO

SYIC-18290

定位塊

BORING



SHRINK FIT

• Applicable for Oil Hole Holder and Angle Head Holder.

ACCESSORIES

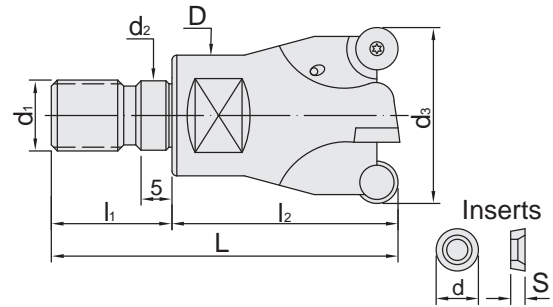
MODEL NO.	TYPE	NAME	A	B	C	D	E	F	G	WEIGHT (KGS)
SYIC - 18292	SFB - 3	Oil Hole Holder / Angle Head Hokder	40	10	45-65	9	30	13	10	0.30

KIT

TECHNICAL INFO.

SYIC-83700

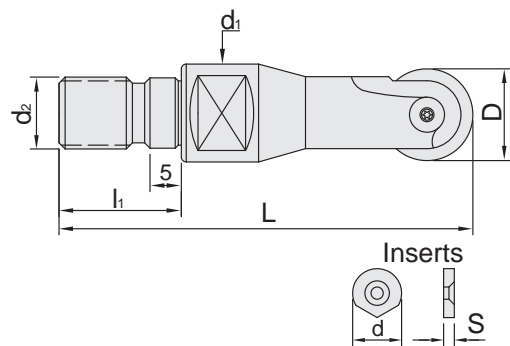
STR 螺紋鎖固切削刀具



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	Inserts	d	S	
SYIC - 83702	STR - 2.5R12M6 - 2T	39	17	22	10	M6	6.5	12	RDHW0501	5	2.38	
SYIC - 83704	STR - 3.5R16M8 - 2T	41	18	23	13.5	M8	8.5	16	RDHW0702	7		
SYIC - 83706	STR - 3.5R20M10 - 3T	58	19	30	18	M10	10.5	20	RDHW0702	7	2.38	
SYIC - 83708	STR - 3.5R25M12 - 3T											
SYIC - 83710	STR - 5R25M12 - 2T	67	25	42	26	M16	17	30	RDHW1003	10	3.18	
SYIC - 83712	STR - 5R30M16 - 3T				29							35
SYIC - 83714	STR - 5R35M16 - 4T				29							

SYIC-83720

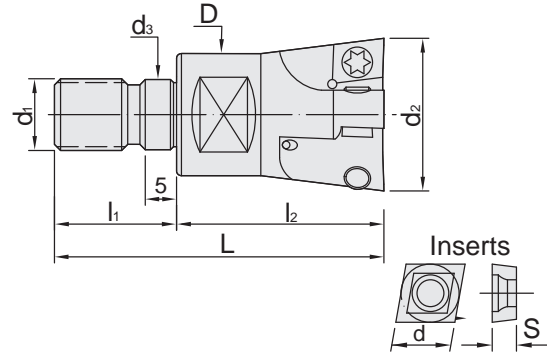
RG 螺紋鎖固切削刀具



MODEL NO.	TYPE	L	l ₁	D	d ₁	d ₂	Inserts	d	S
SYIC - 83722	RG - 4R08M6	55	17	8	10	M6	RG08S	8	1.75
SYIC - 83724	RG - 5R10M6			10			RG10S	10	2.00
SYIC - 83726	RG - 6R12M8			12			RG12S	12	2.50
SYIC - 83728	RG - 8R16M8	60	18	16	13.5	M8	RG16S	16	3.00
SYIC - 83730	RG - 10R20M10	65	19	12	18	M10	RG20S	12	3.50
SYIC - 83732	RG - 12.5R25M12	70	23	25	21	M12	RG25S	25	4.00

SYIC-83740

DM 螺紋鎖固切削刀具

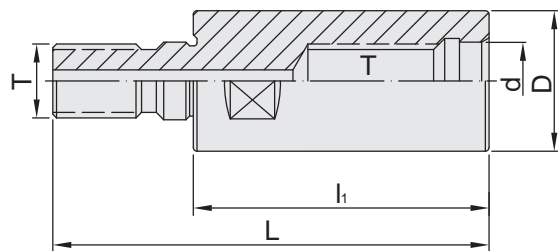
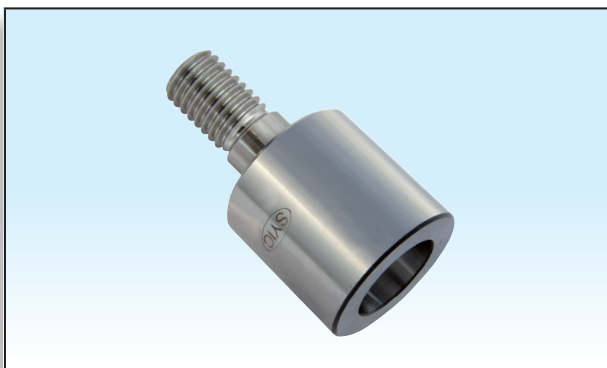


MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	Inserts	d	S
SYIC - 83742	DM - 0412M6 - 2T	39	17	22	10	M6	6.5	12	EPGT0402	4.76	2.38
SYIC - 83744	DM - 0416M8 - 3T	41	18	23	13.5	M8	8.5	16			
SYIC - 83746	DM - 0620M10 - 3T	49	19	30	18	M10	10.5	20	EPGT0602	6.35	2.38
SYIC - 83748	DM - 0825M12 - 2T	58	23	35	21	M12	12.5	25	EPGT08M3	8	3
SYIC - 83750	DM - 0825M12 - 3T										
SYIC - 83752	DM - 0830M16 - 4T	67	25	42	26	M16	17	30			
SYIC - 83754	DM - 0835M16 - 4T				29			35			

SOM EXTENSION SPACER

SYIC-83760

SOM 延長桿



- The extension has a hole and is good for water to get through and anti-vibration.
- Adopts the steel of anti-vibration type.
- The thread precision belongs to the 1st grade thread 4H.

MODEL NO.	TYPE	L	l ₁	D	d	T	WEIGHT (KGS)
SYIC - 83762	SOM6 - 25	42	25	13	6.5	M6 x 1.0P	0.05
SYIC - 83764	SOM8 - 32	50	32	15	8.5	M8 x 1.25P	0.06
SYIC - 83766	SOM10 - 40	59	40	19	10.5	M10 x 1.5P	0.08
SYIC - 83768	SOM12 - 50	73	50	21	12.5	M12 x 1.75P	0.10
SYIC - 83770	SOM16 - 60	85	60	25	17	M16 x 2.0P	0.12

BT



STRAIGHT SHANK SOM EXTENSION HOLDER

CAT

SYIC-83780

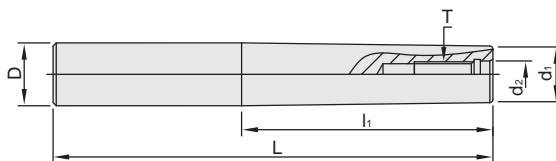
直柄 SOM 螺紋鎖固式延長桿

DAT



TW PAT NO. M319837
TW PAT NO. ZL200720007532.3

HSK



• Material: SNCM-21.

NT & MT

ISO

BORING

SHRINK FIT

ACCESSORIES



SYIC-83700



SYIC-83720



SYIC-83740

KIT

TECHNICAL INFO.

MODEL NO.	TYPE	D	T	d ₁	d ₂	L	l ₁
SYIC - 83782	C12 - SOM6 - 130	12	M6 x 1.0P	10	6.5	130	60
SYIC - 83784	C16 - SOM8 - 140	16	M8 x 1.25P	13	8.5	140	80
SYIC - 83786	C16 - SOM8 - 180					180	120
SYIC - 83788	C20 - SOM10 - 140	20	M10 x 1.5P	18	10.5	140	80
SYIC - 83790	C20 - SOM10 - 180					180	120
SYIC - 83792	C25 - SOM12 - 170	25	M12 x 1.75P	21	12.5	170	100
SYIC - 83794	C25 - SOM12 - 210					210	140



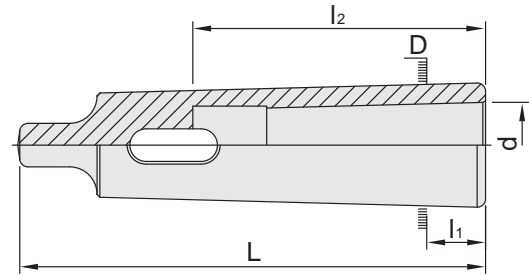
DRILL SLEEVE

B
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SYIC-81000

鑽頭套筒

C
A
T



D
A
T

- Hardened & Precision Ground. (I.D. & O.D.)
- Steel: S45C HRC: 56°.
- Concentricity: 0.015mm.

H
S
K

Type=Hole taper x Shank taper

MODEL NO.	TYPE	D	d	L	l ₁	l ₂	WEIGHT (KGS)
SYIC - 81002	1 x 2	17.78	12.065	92	17	56	0.10
SYIC - 81007	2 x 3	23.825	17.78	112	18	67	0.19
SYIC - 81008	2 x 4	31.267	17.78	124	6.5	67	0.45
SYIC - 81011	3 x 4	31.267	23.825	140	22.5	84	0.40
SYIC - 81014	4 x 5	44.399	31.267	171	21.5	107	0.96
SYIC - 81016	5 x 6	63.348	44.399	218	8	135	2.80

N
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M
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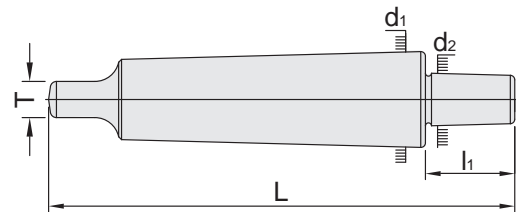
DRILL CHUCK ARBOR

I
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SYIC-81400

夾頭心軸

B
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N
G



- Steel: S45C
- HRC: 56°
- MTA=TANG TYPE
- Concentricity: 0.005mm
- Roundness: 0.005mm

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MODEL NO.	TYPE	d ₁	d ₂	L	l ₁	T	WEIGHT (KGS)
SYIC - 81411	MTA2 x JT6	17.78	17.17	109.4	29.4	6.3	0.19
SYIC - 81412	MTA2 x JT3	17.78	20.599	116	35	6.3	0.20
SYIC - 81418	MTA3 x JT6	23.825	17.17	128.4	29.4	7.9	0.30
SYIC - 81424	MTA4 x JT6	31.267		153.4		11.9	0.70
SYIC - 81441	MK2 x B16	17.78	15.733	112	29	6.3	0.18
SYIC - 81448	MK3 x B16	23.825		134		7.9	0.34
SYIC - 81454	MK4 x B16	31.267		159.5		11.9	0.65

K
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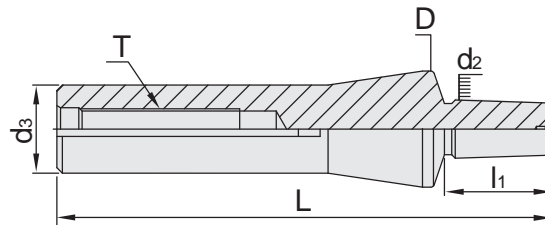
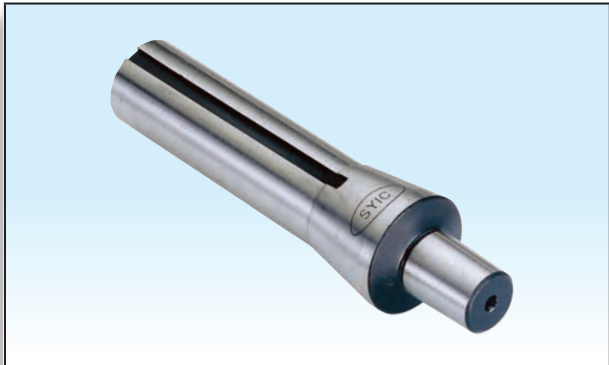
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R8 DRILL CHUCK ARBOR

SYIC-81500

R-8 夾頭心軸



- Steel: S45C.
- HRC: 56°.
- Concentricity: 0.005mm.
- Roundness: 0.005mm.

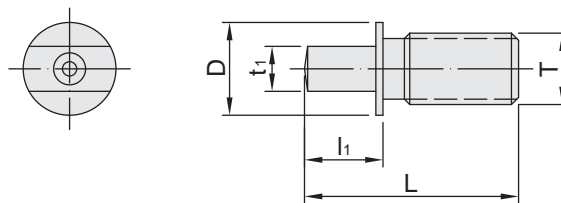
MODEL NO.	TYPE	D	d ₂	d ₃	L	l ₁	T	WEIGHT (KGS)
SYIC - 81501	R8 x JT33	31.75	15.85	24.1	136.4	29.4	7/16" NF 20	0.41
SYIC - 81502	R8 x JT6		17.17					0.45
SYIC - 81503	R8 x JT3		20.599					0.49
SYIC - 81511	R8 x B16		15.733					0.45



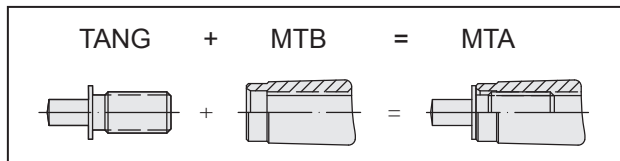
TANG

SYIC-83640

樁舌



- Tang is designed for MTB, used for MTA machine, such as drilling machine or Lathe.



MODEL NO.	TYPE x T	D	L	l ₁	t ₁
SYIC - 83640	MT2 x 3/8" - 16	13	30	7	6.3
SYIC - 83641	MT2 x M10 x 1.5P				
SYIC - 83644	MT3 x 1/2" - 12	18	40	12	7.8
SYIC - 83645	MT3 x M12 x 1.75P				

MODEL NO.	TYPE x T	D	L	l ₁	t ₁
SYIC - 83646	MT4 x 5/8" - 11	25	46	13	11.9
SYIC - 83647	MT4 x M16 x 2.0P				
SYIC - 83648	MT5 x 1" - 8	35	47	14	15.9
SYIC - 83649	MT5 x M24 x 3.0P				



OIL INJECTION ROTARY CENTER

BT

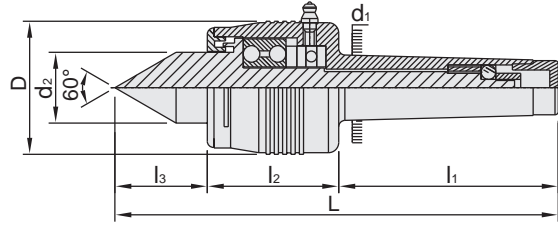
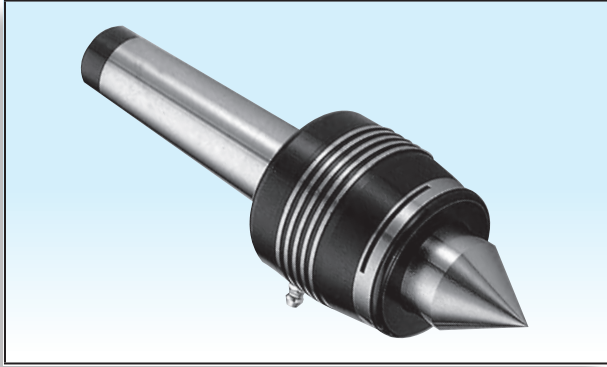
SYIC-82010

注油式迴轉頂心

CAT

DAT

H SK



- Use large-scale point, increasing strength.
- With waterproof function, good for heat dissipation.
- It could be oil injected regularly, extending use life.
- Tip angle 60°, concentricity 0.005mm.
- Suitable for CNC lathe and high speed lathe.

NT & MT

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
SYIC - 82012	MT4 x 69M	64	31.267	34	213.2	105.5	63.2	44.5	2.0
SYIC - 82013	MT5 x 69M		44.399		232.7	125			2.2

ISO



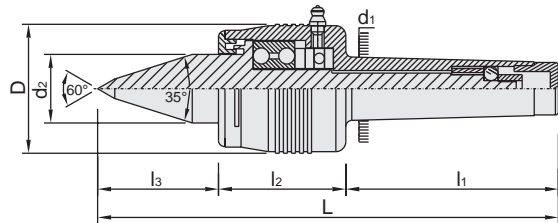
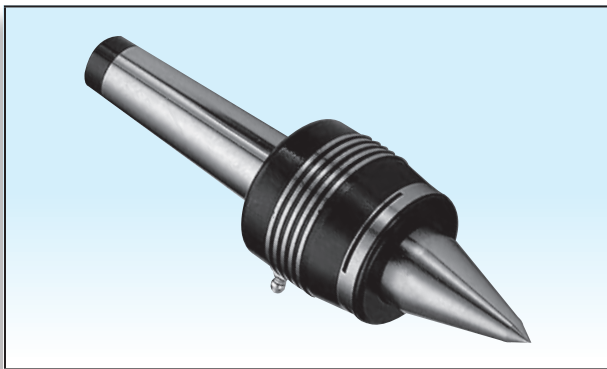
OIL INJECTION ROTARY CENTER FOR SLIM WORKPIECE

BORING

SYIC-82015

細物用注油式迴轉頂心

SHRINK FIT



- The point is shrunk 35°, which is used to fix slim workpiece.
- With waterproof function, good for heat dissipation.

- It could be oil injected regularly, extending use life.
- Tip angle 60°, concentricity 0.005mm.
- Suitable for CNC lathe and high speed lathe.

ACCESSORIES

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
SYIC - 82017	MT4 x 70L	64	31.267	34	228.7	105.5	63.2	60	2.10
SYIC - 82018	MT5 x 70L		44.399		248.2	125			2.35

KIT

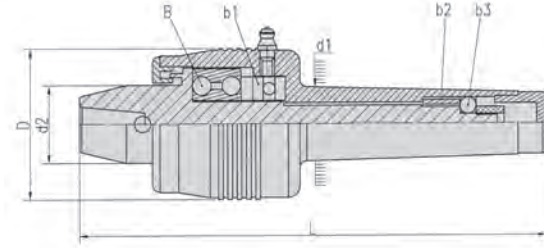
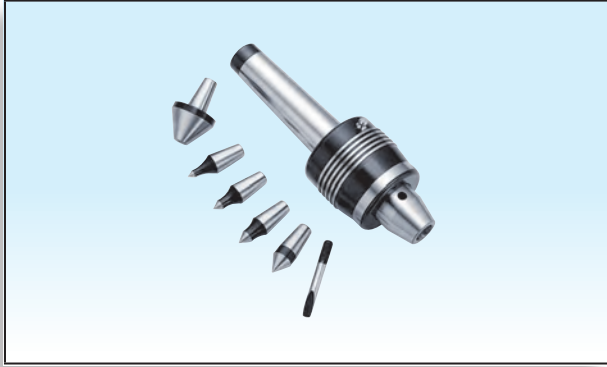
TECHNICAL INFO.



INTERCHANGEABLE LIVE CENTER (OIL INJECTION SYSTEM)

SYIC-82040

注油式替換頂心



1A

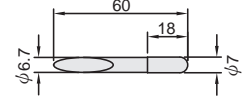
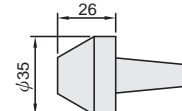
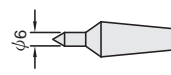
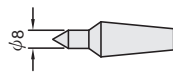
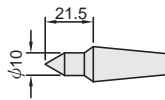
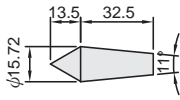
3C

4D

5E

7G

SP



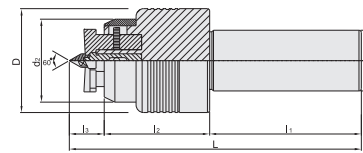
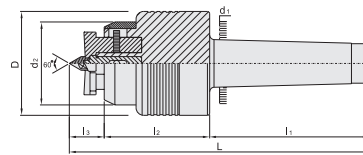
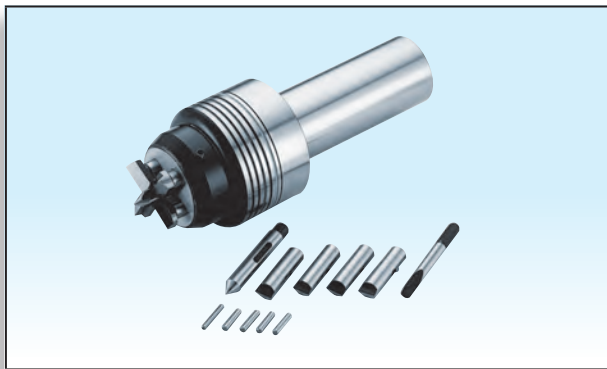
MODEL NO.	TYPE	L	D	d ₁	d ₂	B	b ₁	b ₂	b ₃	WEIGHT (KGS)
SYIC - 82044	MT4 x 68H	205	64	31.267	34	3204	51204	NK14/16A	608ZZ	2.68
SYIC - 82045	MT5 x 68H	227		44.399						3.52



AUTOMATIC ADJUSTABLE INSERTED CENTER

SYIC-82060

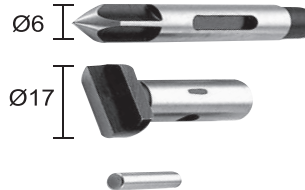
自動可調式插式頂心



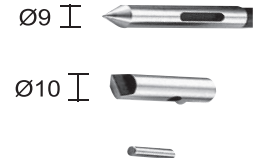
- The center cylinder can be adjusted automatically when the workpiece is uneven.
- Center pointer and Center cylinder can be used interchangeably.

PART NO	RANGE
TYPE A	φ 10 ~ φ 60
TYPE B	φ 15 ~ φ 35

TYPE A



TYPE B



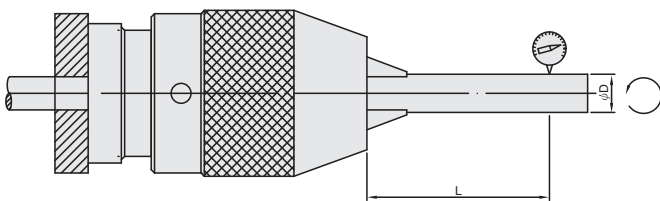
MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
SYIC - 82062	C40 x SC66	68.5	40	54.7	192.5	100	69.5	23	2.52
SYIC - 82064	MT4 x SC66		31.267		198				105.5

SYIC-82150

超重力型 自動鑽夾頭



- Extremely high accuracy and precision design, suitable for CNC machines and machine centers.
- All parts are ground, heat treated, surface treated and under secure QC.



WITH KEY

L mm	D mm	CONCENTRICITY
55	5	0.04
55	10	
75	13	

MODEL NO.	TYPE	LENGTH (CLOSED)	OUTER DIA.	CLAMPING CAPACITY	WEIGHT (KGS)
SYIC - 82150	08S x JT1	76	38	0 ~ 8mm 5/16"	0.17
SYIC - 82151	10S x JT2	92	43	0 ~ 10mm 3/8"	0.25
SYIC - 82153	13S x JT6	102	49	0 ~ 13mm 1/2"	0.95
SYIC - 82154	16S x JT6	110	55	3 ~ 16mm 5/8"	1.20
SYIC - 82155	08S x B10	76	38	0 ~ 8mm 5/16"	0.17
SYIC - 82157	10S x B12	92	43	0 ~ 10mm 3/8"	0.25
SYIC - 82159	13S x B16	102	49	0 ~ 13mm 1/2"	1.00
SYIC - 82160	16S x B16	110	55	3 ~ 16mm 5/8"	1.20
SYIC - 82162	16S x B18	110	55	3 ~ 16mm 5/8"	1.20

B
T

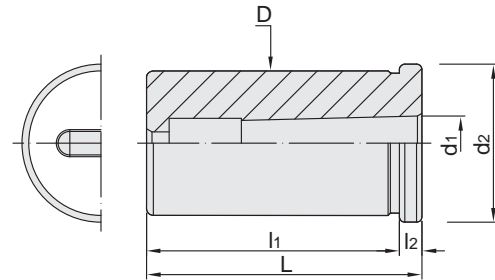
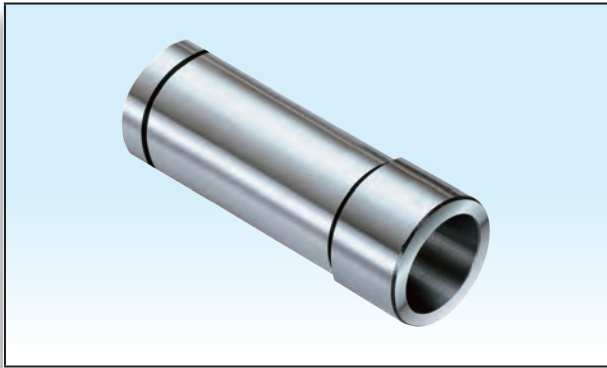


STRAIGHT SHANK MORSE TAPER ADAPTER

C
A
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SYIC-84130

直式鑽頭套筒



D
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H
S
K

• MTA=TANG TYPE=DIN 228-B.

SSC=Straight shank.

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MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	WEIGHT (KGS)
SYIC - 84131	SSC32 x MTA1	61	56	5	32	12.065	35	0.35
SYIC - 84132	SSC32 x MTA2	73	65	8		17.78	37	0.35
SYIC - 84133	SSC32 x MTA3	92	72	20		23.825	37	0.35
SYIC - 84134	SSC42 x MTA1	61	56	5	42	12.065	47	0.62
SYIC - 84135	SSC42 x MTA2	74	66	8		17.78		0.62
SYIC - 84136	SSC42 x MTA3	92	75	17		23.825		0.62
SYIC - 84137	SSC42 x MTA4	115	90	25		31.267		0.82

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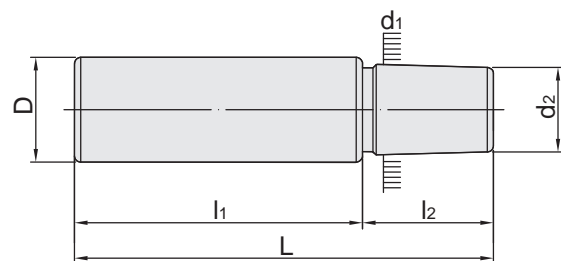


STRAIGHT SHANK DRILL SLEEVE

B
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SYIC-84140

直式夾頭心軸



S
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• Suitable for any Milling Chuck or spring collet.

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MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	WEIGHT (KGS)
SYIC - 84141	SSC20 x JT6	20	17.17	15.851	84.4	55	29.4	0.20
SYIC - 84142	SSC32 x JT6	32			99.4			0.50
SYIC - 84143	SSC32 x JT3	32	20.599	18.951	105.95	70	35.95	0.60
SYIC - 84144	SSC42 x JT6	42	17.17	15.825	99.4	70	29.4	1.15
SYIC - 84145	SSC42 x JT3		20.599	18.951	135.95	100	35.95	1.20

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OPTICAL EDGE FINDER (TOUCH POINT SENSOR)



SYIC-83300

光電式尋邊器

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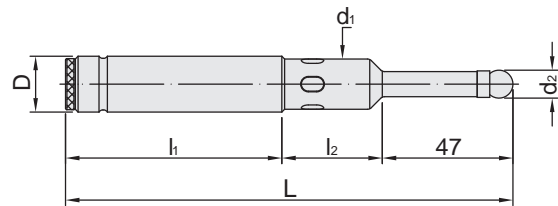
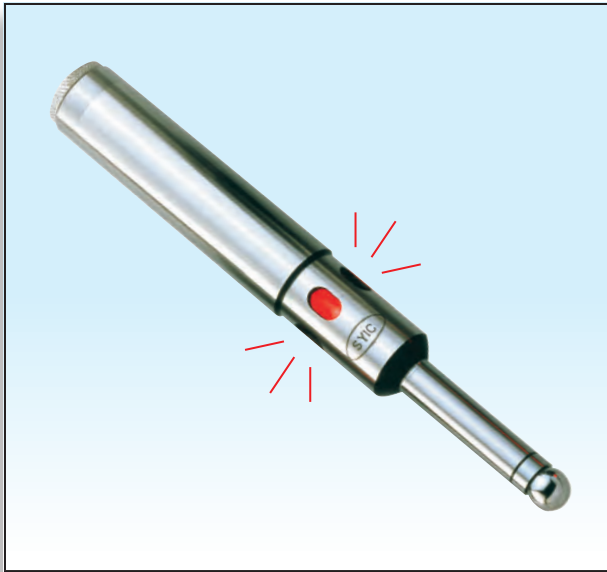
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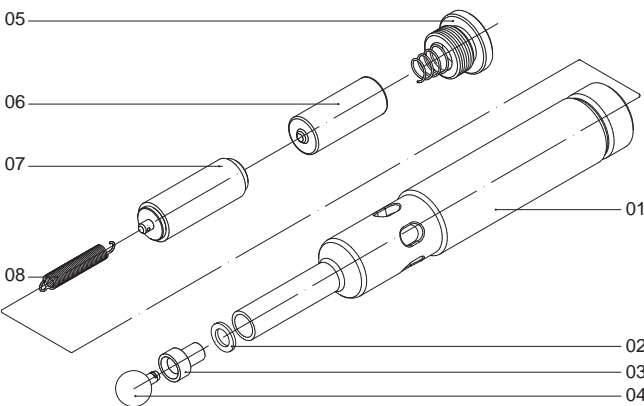
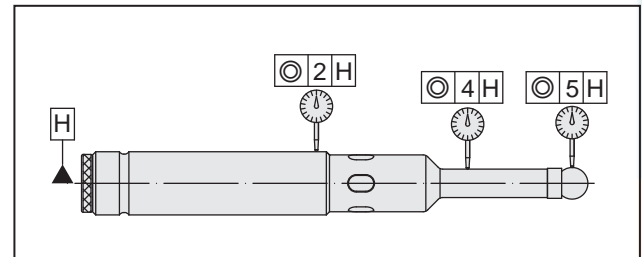
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- Quickly locate working edges.
- Save time to find positions, for Milling Machine, Jig borers, and other machine tools.

HIGH SENSIBLE POSITION MEASURING

- Uses dry batteries to light the red lamp.
- The scope of application includes edge surface, inside and outside diameters and high efficiency.
- There is a safety spring puller, which will put a ball precisely back to the position when ball breaks away from ball seat.

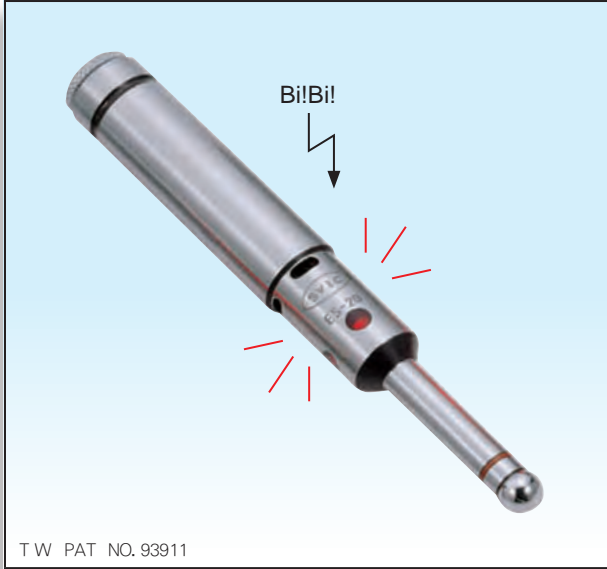


MODEL NO.	NO.	NAME OF EACH PART
SYIC - 83300 - 1	1	Shank
SYIC - 83300 - 2	2	Insulate flake
SYIC - 83300 - 3	3	Steel ball seat
SYIC - 83300 - 4	4	Steel ball
SYIC - 83300 - 5	5	Batteries cap
SYIC - 83300 - 6	6	Batteries
SYIC - 83300 - 7	7	LED bulb
SYIC - 83300 - 8	8	Spring

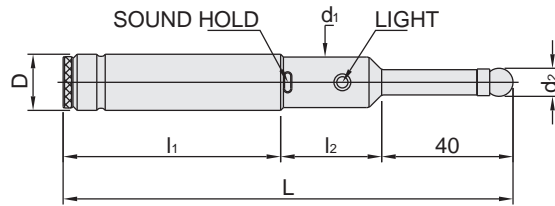
MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	BATTERY TYPE	WEIGHT (KGS)
SYIC - 83301	OP - 20	20	18	10	160	79	34	UM - 5(SP) 2P/R1/1.5V	0.3
SYIC - 83302	OP - 32	32							0.6

SYIC-83310

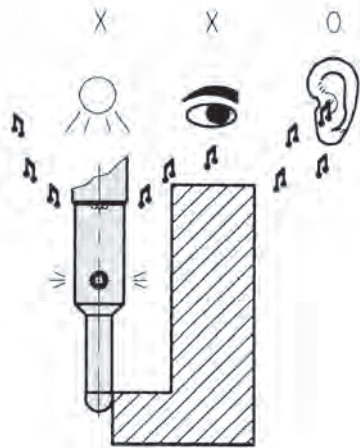
警示鳴音 光電尋邊器



T W PAT NO. 93911

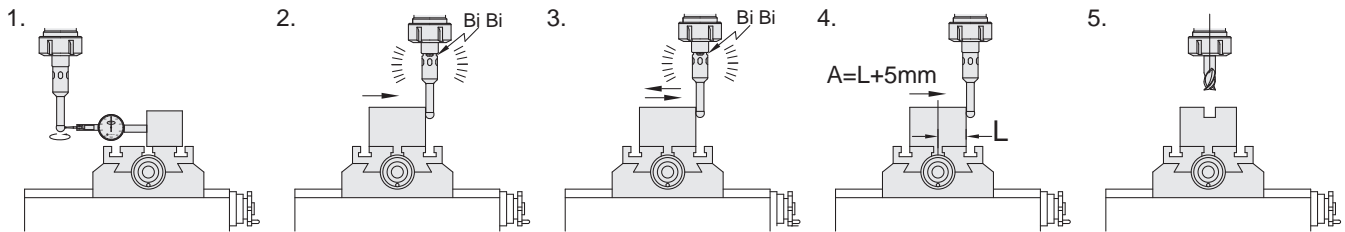


- The red lamp can concentrate light and resist water.
- It will beep at the same time when the red lamp is on.
- When probe is in a deep hole you can't see the red light, but you can hear the sound.



How to use the Optical Edge Finder:

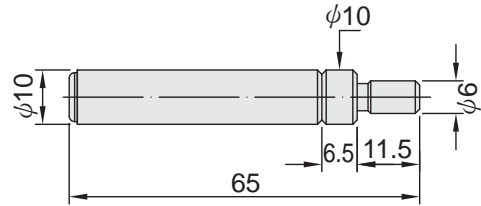
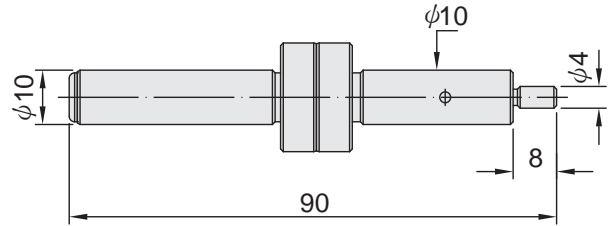
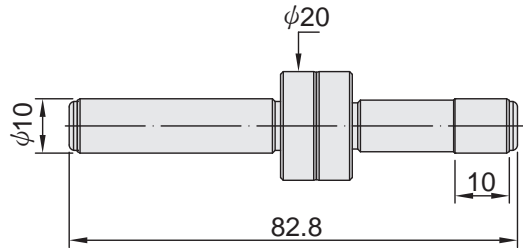
1. Mount the Edge Finder into tool holder and check if its concentricity is within 0.005mm.
2. Move the work table to make the edge of work piece touch the ball of Edge Finder until the red lamp is on.
3. Mark the reading dial of table movement, backward the table a little and re-touch the work piece to Edge Finder slightly until the red lamp is on again to make sure of the correct dial reading.
4. Zero the reading dial and move the table to the desired position by adding 5mm to the desired dimension X.
5. Take off the Edge Finder and remount the desired tooling for machining.



MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	BATTERY TYPE	WEIGHT (KGS)
SYIC - 83311	ES - 20	20	18	10	160	79	41	UM5# x 2pcs	0.35
SYIC - 83312	ES - 32	32							0.60

SYIC-83350

偏心式尋邊器


ME 610

ME 420

ME 1020

• Steel: SCM - 21

• HRC: 56°

SYIC - 83352 TYPE ME610

SYIC - 83354 TYPE ME420

SYIC - 83356 TYPE ME1020

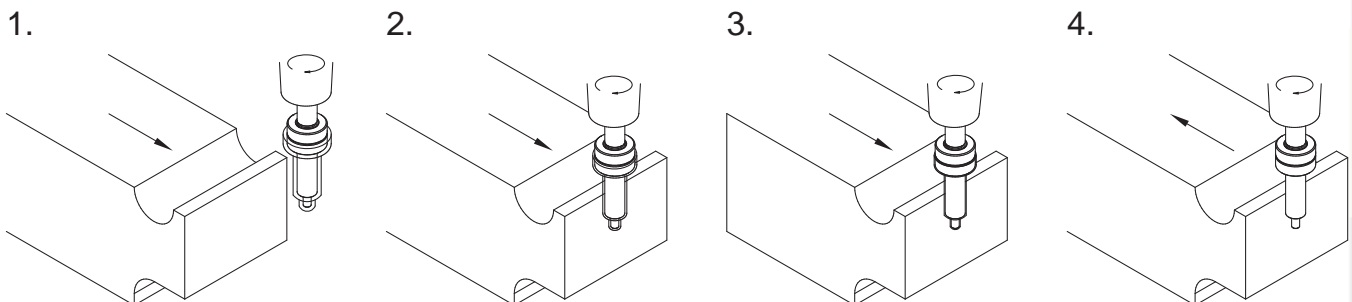
Hard anodic coating without magnetism

SYIC - 83342 HME 610

SYIC - 83344 HME 420

SYIC - 83346 HME 1020

- Accuracy of the point to point is within 0.002mm.
- Revolution within 400-600RPM.
- Max. flange is clear for rour sight.
- 4mm is the min. hole that could be tested.
- Suitable for milling machine, drilling machine, and boring machine.



BT



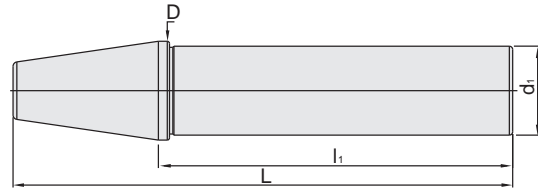
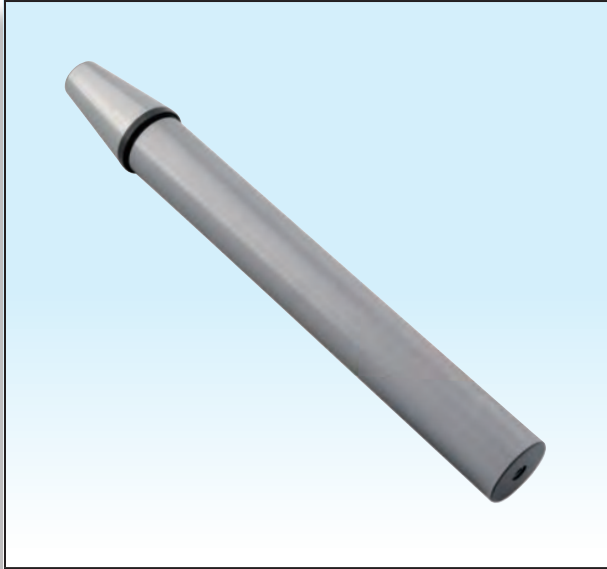
TEST BAR

CAT

SYIC-86400

測試棒

DAT

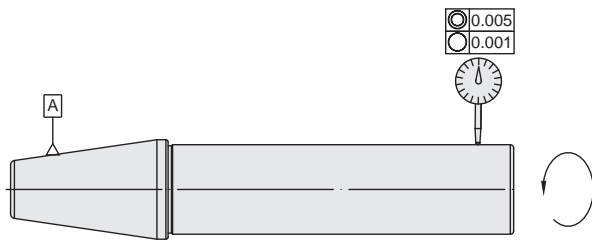


HSK

NT & MT

- Application:
For machine spindle precision test.

ISO



BORING

TAPER SHANK PRECISION	AT2
ROUNDNESS	0.001mm
SURFACE ROUGHNESS	Ra < 0.4
CONCENTRICITY	0.005mm

SHRINK FIT

MODEL NO.	TYPE	L	l ₁	D	d ₁
SYIC - 86403	BT30 x 25 - 250	298.4	250	31.75	25
SYIC - 86404	BT40 x 40 - 300	365.4	300	44.45	40
SYIC - 86406	BT50 x 40 - 300	401.8		69.85	
SYIC - 86408	CAT40 x 40 - 300	368.249		44.45	
SYIC - 86414	DAT40 x 40 - 300	370.4		44.45	
SYIC - 86424	HSK63A x 40 - 300	378		63	40
SYIC - 86442	HSK63F x 40 - 300	371		63	40
SYIC - 86428	HSK100A x 40 - 300	399		100	40
SYIC - 86429	HSK100A x 50 - 300	399		100	50
SYIC - 86453	MTB4 x 25 - 300	409		31.267	25
SYIC - 86454	MTB5 x 40 - 300	436		44.399	40

ACCESSORIES

KIT

Option

PULL STUDS

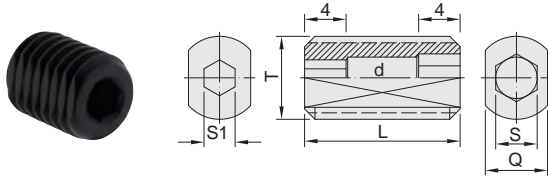


P222

TECHNICAL INFO.

COOLANT PRESET SCREW

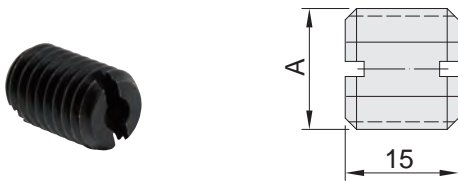
給水型 擋刀螺絲



MODER NO.	T	L	d	S	S1	Q
SYIC - 19192	M5 x 0.8P	15	2	2	2	3
SYIC - 19193	M6 x 1.0P		3	2.5	2.5	4
SYIC - 19194	M8 x 1.25P		4	4	3	6
SYIC - 19195	M10 x 1.5P		5	5	4	8
SYIC - 19196	M12 x 1.75P	25	6	6	5	10
SYIC - 19197	M16 x 2.0P		6	8	6	14
SYIC - 19198	M20 x 2.0P		6	10	8	18

COOLANT PRESET SCREW

給水型 擋刀螺絲

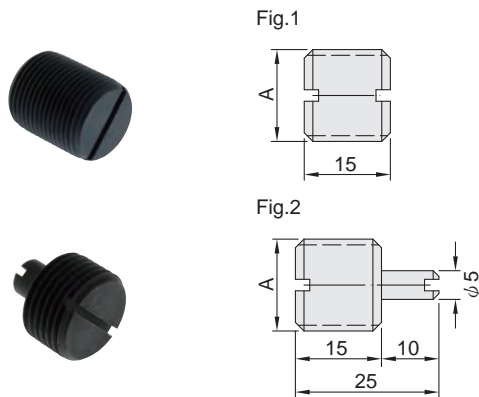


MODER NO.	TYPE
SYIC - 16081C	M6 x 1.0P - 15
SYIC - 16082C	M8 x 1.25P - 15
SYIC - 16083C	M10 x 1.5P - 15
SYIC - 16085C	M12 x 1.75P - 15
SYIC - 16089C	M16 x 2.0P - 15
SYIC - 16091C	M20 x 2.0P - 15
SYIC - 16093C	M24 x 2.0P - 15

PRESET SCREW

• FOR ER AND TG COLLET CHUCKS

擋刀螺絲

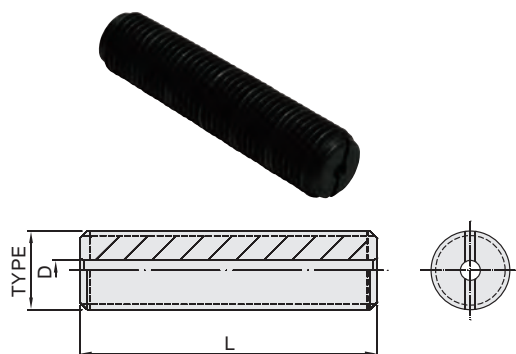


MODER NO.	TYPE	Fig.
SYIC - 16081	M6 x 1.0P - 15	1
SYIC - 16082	M8 x 1.25P - 15	
SYIC - 16082 - 25	M8 x 1.25P - 25	2
SYIC - 16083	M10 x 1.5P - 15	1
SYIC - 16085	M12 x 1.75P - 15	
SYIC - 16087	M12 x 1.75P - 25	2
SYIC - 16089	M16 x 2.0P - 15	1
SYIC - 16091	M20 x 2.0P - 15	
SYIC - 16093	M24 x 2.0P - 15	

SET SCREW

• FOR MULTI-LOCK COLLET CHUCK

MLD 設定螺絲



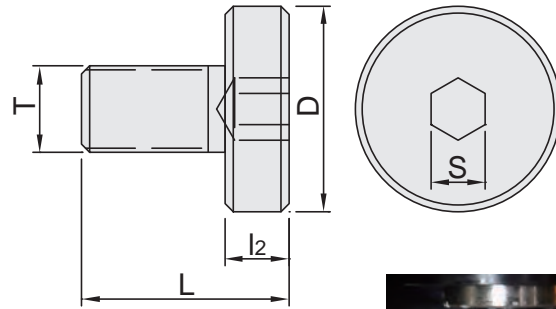
MODEL NO.	TYPE	L	D	WEIGHT (KGS)
SYIC - 15946 - 1	M12 x 1.75P	40	φ4	0.10
SYIC - 15947 - 1	M16 x 2.0P	60		0.12
SYIC - 15947 - 4	M16 x 2.0P	35		0.08
SYIC - 15947 - 2	5/8" - 11UNC	60		0.13
SYIC - 15947 - 3	5/8" - 11UNC	35		0.08
SYIC - 15948 - 1	M24 x 3.0P	60		0.14
SYIC - 15948 - 2	1" - 8UNC		0.15	



SHELL MILL SCREWS (SPECIALLY USED FOR INCH FINE THREAD)

SYIC-WF

華司螺絲(專用於英制細牙平面銑刀柄)



STANDARD TYPE

MODEL NO.	TYPE	D	L	l ₂	T	S	WEIGHT (KGS)	
SYIC - WF - 0.5	FMA screw 1/2"	15.875	21.336	8.636	1/4" - 28UNF	3/16"	0.01	
SYIC - WF - 0.5 - 1.5			46.736				0.04	
SYIC - WF - 0.75	FMA screw 3/4"	22.225	34.798	9.398	3/8" - 24UNF	1/4"	0.04	
SYIC - WF - 0.75 - 1.5			47.498				0.06	
SYIC - WF - 1	FMA screw 1"	30.163	34.798		1/2" - 20UNF	5/16"	0.06	
SYIC - WF - 1 - 1.75			53.848				0.08	
SYIC - WF - 1.25	FMA screw 1-1/4"	38.1	44.45	12.7	5/8" - 18UNF		3/8"	0.16
SYIC - WF - 1.25 - 1.75			57.15					0.20
SYIC - WF - 1.5	FMA screw 1-1/2"	47.625	44.45		3/4" - 16UNF	3/8"	0.24	
SYIC - WF - 1.5 - 1.75			57.15				0.27	
SYIC - WF - 2	FMA screw 2"	63.5	50.8	1" - 14UNF	1/2"	0.42		
SYIC - WF - 2 - 2			63.5			0.60		
SYIC - WF - 2.5	FMA screw 2-1/2"	79.375	57.15				0.60	

COOLANT TYPE

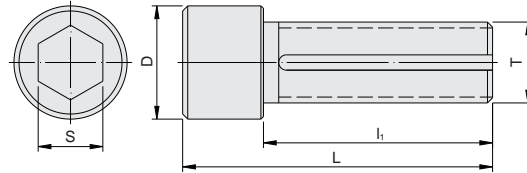
MODEL NO.	TYPE	D	L	l ₂	T	S	WEIGHT (KGS)	
SYIC - WF.C1 - 0.5	FMA screw 1/2"	15.875	21.336	8.636	1/4" - 28UNF	3/16"	0.01	
SYIC - WF.C1 - 0.5 - 1.5			46.736				0.04	
SYIC - WF.C1 - 0.75	FMA screw 3/4"	22.225	34.798	9.398	3/8" - 24UNF	1/4"	0.04	
SYIC - WF.C1 - 0.75 - 1.5			47.498				0.06	
SYIC - WF.C1 - 1	FMA screw 1"	30.163	34.798		1/2" - 20UNF	5/16"	0.06	
SYIC - WF.C1 - 1 - 1.75			53.848				0.08	
SYIC - WF.C1 - 1.25	FMA screw 1-1/4"	38.1	44.45	12.7	5/8" - 18UNF		3/8"	0.16
SYIC - WF.C1 - 1.25 - 1.75			57.15					0.20
SYIC - WF.C1 - 1.5	FMA screw 1-1/2"	47.625	44.45		3/4" - 16UNF	3/8"	0.24	
SYIC - WF.C1 - 1.5 - 1.75			57.15				0.27	
SYIC - WF.C1 - 2	FMA screw 2"	63.5	50.8	1" - 14UNF	1/2"	0.42		
SYIC - WF.C1 - 2 - 2			63.5			0.60		
SYIC - WF.C1 - 2.5	FMA screw 2-1/2"	79.375	57.15				0.60	



SCREW WITH COOLANT FLUTES (SPECIALLY USED FOR METRIC AND INCH COARSE THREAD)

SYIC-FMC

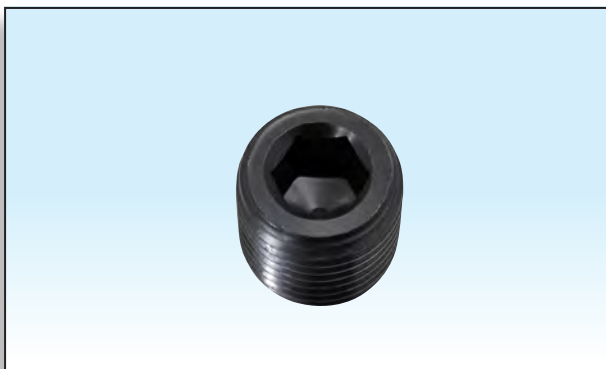
給水槽螺絲(專用於公/英制粗牙平面銑刀柄)



MODEL NO.	TYPE	L	l ₁	D	S	T	WEIGHT (KGS)	SUITABLE TOOL HOLDER
SYIC - FMC-M10-35	M10x1.5P-35	45	35	16	8	M10x1.5P	0.02	FMB 22
SYIC - FMC-M12-30	M12x1.75P-30	42	30	18	10	M12x1.75P	0.04	FMB 27 / 32
SYIC - FMC-M12-35	M12x1.75P-35	47	35	18	10	M12x1.75P	0.04	FMB 27 / 32
SYIC - FMC-M16-50	M16x2.0P-50	66	50	24	14	M16x2.0P	0.10	FMB 40
SYIC - FMC-12.7-38.1	1/2"-12W-38.1	50.8	38.1	19.05	9.525	1/2"-12W	0.04	FMA 25.4 / 31.75
SYIC - FMC-15.875-38.1	5/8"-11W-38.1	53.975	38.1	22.225	14	5/8"-11W	0.08	FMA 38.1
SYIC - FMC-15.875-45	5/8"-11W-45	60.875	45	22.225	14	5/8"-11W	0.10	FMA 50.8

SYIC END MILL HOLDER REPLACEMENT LOCK SCREW

側固螺絲



MODEL NO.	TYPE	LENGTH
SYIC - 17125 - SCREW	M12x1.75P	15
SYIC - 17126 - SCREW	M14x2.0P	16
SYIC - 17136 - SCREW	M16x2.0P	16
SYIC - 17137 - SCREW	M18x2.0P	20
SYIC - 17138 - SCREW	M20x2.0P	20
SYIC - 17166 - SCREW	M24x2.0P	25

MODEL NO.	TYPE	LENGTH
SYIC - 22907 - SCREW	6#-32UNC	5/16"
SYIC - 22909 - SCREW	8#-32UNC	1/4"
SYIC - 22911 - SCREW	1/4-28UNF	5/16"
SYIC - 22913 - SCREW	5/16-24UNF	5/16"
SYIC - 22915 - SCREW	3/8-24UNF	3/8"
SYIC - 22917 - SCREW	7/16-20UNF	3/8"
SYIC - 22919 - SCREW	1/2-20UNF	7/16"
SYIC - 22921 - SCREW	5/8-18UNF	1/2"
SYIC - 22927.1 - SCREW	3/4-16UNF	5/8"
SYIC - 22951 - SCREW	1-14UNF	7/8"

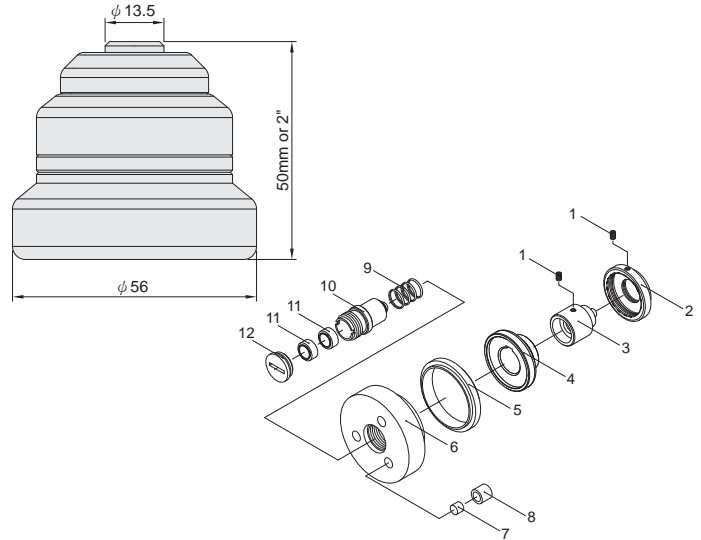
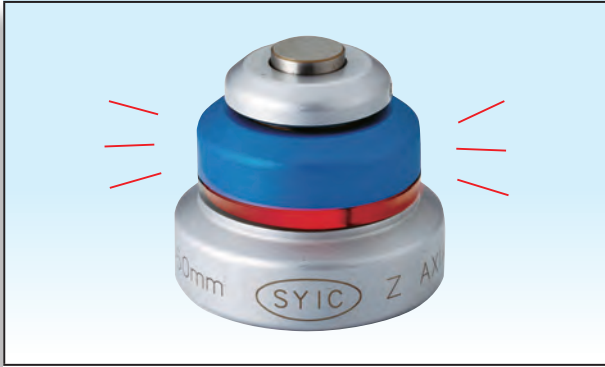


ZOP-50 Z AXIAL PRESET GAUGE

OPTICAL TYPE

SYIC-17905

ZOP - 50 光電式 Z軸設定器



- Height 50mm.
- With magnetic base.
- The red lamp will be on when being touched.
- Accuracy 0.005mm
- Combine vertical and horizontal in an unit.
- Weight: 0.5 kgs

MODEL NO.	NO.	NAME OF EACH PART
SYIC - 17905 - 01	1	Hexagon socket set screw
SYIC - 17905 - 02	2	Adjusting cap
SYIC - 17905 - 03	3	Sliding axle
SYIC - 17905 - 04	4	Connector
SYIC - 17905 - 05	5	Insulate seat
SYIC - 17905 - 06	6	End seat

MODEL NO.	NO.	NAME OF EACH PART
SYIC - 17905 - 07	7	Magnet
SYIC - 17905 - 08	8	Magnet copper pillar
SYIC - 17905 - 09	9	Spring
SYIC - 17905 - 10	10	Light shell set
SYIC - 17905 - 11	11	Battery
SYIC - 17905 - 12	12	Battery cap



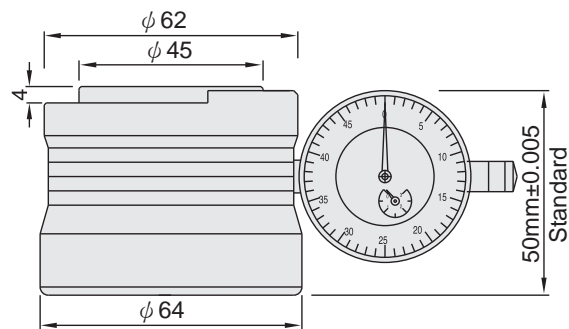
ZSI-50 Z AXIAL PRESET GAUGE

SIMPLE TYPE (WITHOUT MAGNETISM)

SYIC-17906

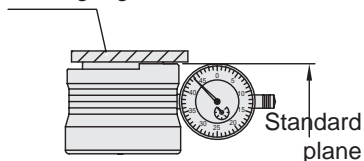
ZSI - 50 Z 軸設定器

無磁性 外插量錶式



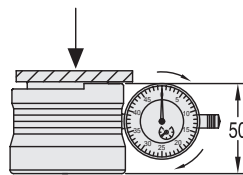
- Height: 50mm.

1. Parallel gauge
Block gauge



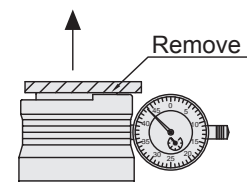
Please use the parallel gauge or block gauge to press standard plane.

2.



Turn the indicator, adjust the long needle to "0" and remember the short needle location.

3.



Remove the parallel gauge or block gauge.



ZDS-50J Z AXIAL PRESET GAUGE (MAGNETIC)

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SYIC-17909-J

ZDS - 50J Z 軸設定器 有磁性 內藏量錶式

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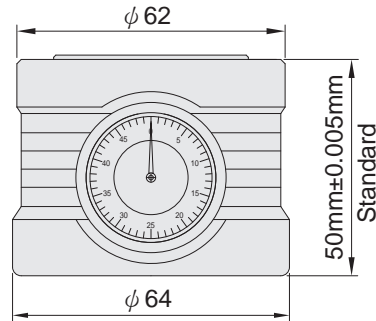
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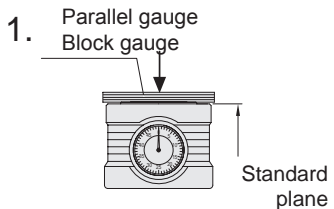
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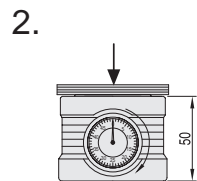
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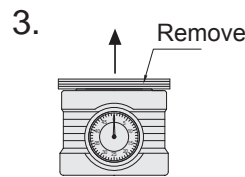
• Height: 50mm.



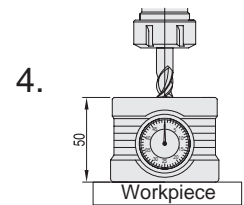
Please use the parallel gauge or block gauge to press standard plane.



Turn the indicator and adjust the needle to "0".



Remove the parallel gauge or block gauge.



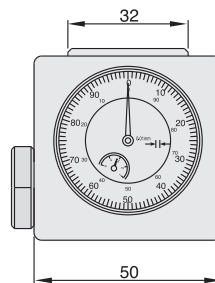
Put the whole unit on the workpiece. When cutter touched the probe face, please feed slowly to move the needle to "0". The cutter distance is now 50mm above the workpiece.



ZDI-50 Z AXIAL PRESET GAUGE INDICATOR TYPE

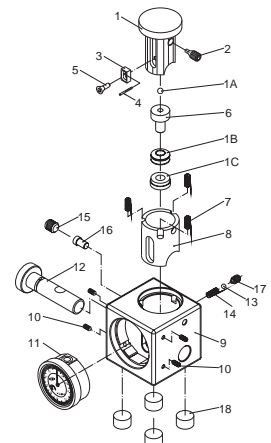
SYIC-17908

ZDI - 50 量錶式 Z軸設定器



HOW TO USE Z AXIAL PRESET GAUGE:

- Before use, make sure the dial indicator is accurate.
- First, turn the switch from "USE" to "TEST".
- Press the top of the Preset Gauge to the bottom until the dial indicator shows "zero", then turn the switch from "TEST" back to "USE".
- When the tool touches preset gauge and the dial indicator shows "zero", the distance between tool and workpiece is 50mm.



MODEL NO.	NO.	NAME OF EACH PART	MODEL NO.	NO.	NAME OF EACH PART
SYIC - 17908 - 01	1	Sliding Axle	SYIC - 17908 - 09	9	Body
SYIC - 17908 - 01	1A	Steel Ball	SYIC - 17908 - 10	10	Fixed Screw
SYIC - 17908 - 01B	1B	Disk Spring	SYIC - 17908 - 11	11	Dial Indicator
SYIC - 17908 - 01	1C	Spring End Cover	SYIC - 17908 - 12	12	Return-To-Zero Rod
SYIC - 17908 - 02	2	Micro-Adjust Screw	SYIC - 17908 - 13	13	Steel Ball
SYIC - 17908 - 03	3	Positioning Block	SYIC - 17908 - 14	14	Spring
SYIC - 17908 - 04	4	Steel Ball	SYIC - 17908 - 15	15	Fixed Screw
SYIC - 17908 - 05	5	Hex. Head Fixed Screw	SYIC - 17908 - 16	16	Fixed Axle
SYIC - 17908 - 06	6	Micro-Adjust Axle	SYIC - 17908 - 17	17	Fixed Screw
SYIC - 17908 - 07	7	Spring	SYIC - 17908 - 18	18	Magnet Copper Pillar
SYIC - 17908 - 08	8	Sliding Axle Liner			



ZDI-100 Z AXIAL PRESET GAUGE

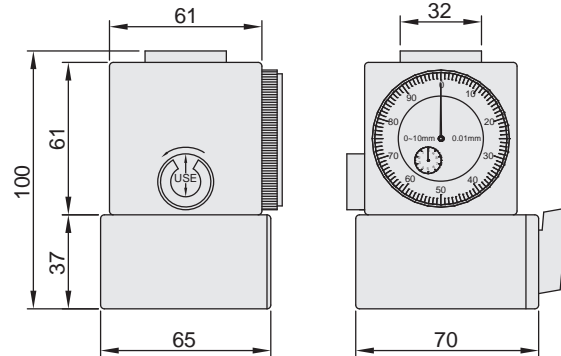
INDICATOR TYPE

SYIC-17910

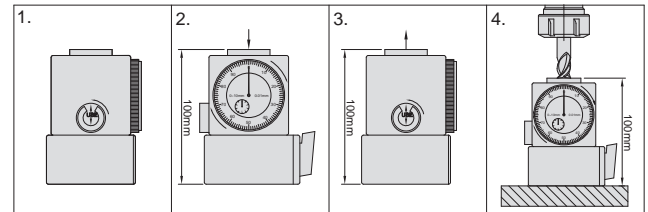
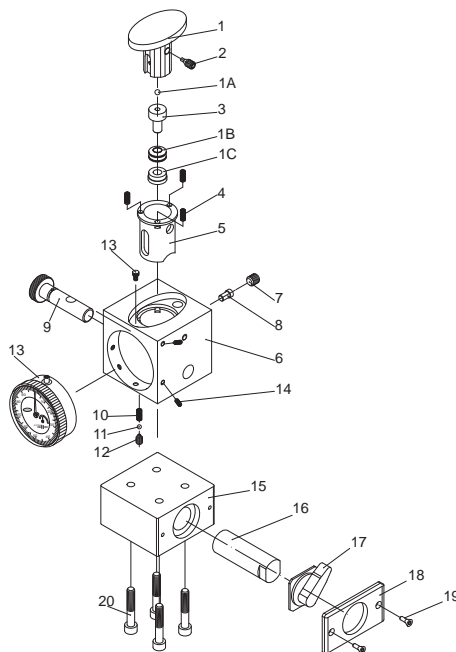
ZDI - 100 量錶式 Z軸設定器



T W PAT NO. M262301
T W PAT NO. M289094



- Height 100mm.
- There is a magnetic design. One can turn on or turn off the magnetism by adjusting the switch.
- Adjust the dial indicator to "zero".
- Dial indicator for each increment: 0.01mm.
- Magnetic capacity: 80kg.
- Weight: 1.9 kgs.



HOW TO USE Z AXIAL PRESET GAUGE:

1. Turn the switch at the side of the unit for the setting - zero point from "USE" to "TEST".
2. Press top of the gauge until small indicator needle shows zero. Keep pressure against it and then adjust the large indicator needle to zero.
3. Turn the switch back to "USE."
4. When the tool touches the top of the gauge and both dial indicators read zero, the cutter distance is now 100mm above the workpiece.

MODEL NO.	NO.	NAME OF EACH PART	MODEL NO.	NO.	NAME OF EACH PART
SYIC - 17910 - 01	1	Sliding Axle	SYIC - 17910 - 09	9	Return-To-Zero Rod
SYIC - 17910 - 01A	1A	Steel Ball	SYIC - 17910 - 10	10	Spring
SYIC - 17910 - 01B	1B	Disk Spring	SYIC - 17910 - 11	11	Steel Ball
SYIC - 17910 - 01C	1C	Spring End Cover	SYIC - 17910 - 12	12	Positioning Screw
SYIC - 17910 - 02	2	Micro-Adjust Screw	SYIC - 17910 - 13	13	Dial Indicator
SYIC - 17910 - 03	3	Micro-Adjust Axle	SYIC - 17910 - 14	14	Fixed Screw
SYIC - 17910 - 04	4	Spring	SYIC - 17910 - 15	15	Magnet Base
SYIC - 17910 - 05	5	Sliding Axle Liner	SYIC - 17910 - 16	16	Magnet Core Set
SYIC - 17910 - 06	6	Body	SYIC - 17910 - 17	17	Revolving Button
SYIC - 17910 - 06A	6A	Spring	SYIC - 17910 - 18	18	Magnet Base Cover
SYIC - 17910 - 07	7	Fixed Screw	SYIC - 17910 - 19	19	Magnet Core Set
SYIC - 17910 - 08	8	Fixed Screw	SYIC - 17910 - 20	20	Fixed Screw



TOOL HOLDER LOCKING DEVICE FOR BT & HSK TOOL HOLDERS

BT

CAT

DAT

HSK

NT & MT

ISO

BORING

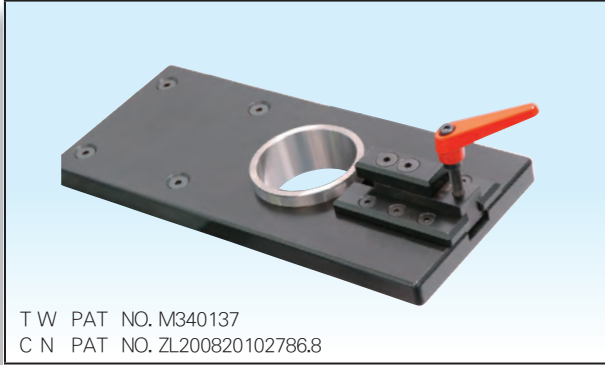
SHRINK FIT

ACCESSORIES

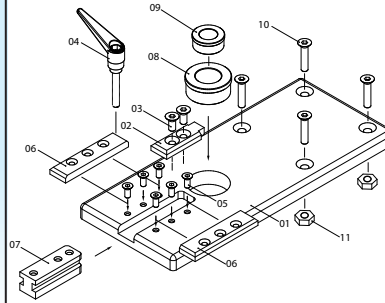
KIT

TECHNICAL INFO.

SYIC-301



鎖刀座



NO.	NAME OF EACH PART
01	FIXED PLATE
02	FIXED BLOCK
03	SCREW
04	FIXED HANDLE
05	SCREW
06	FIXED SPACER
07	SLIDING BLOCK
08	ADAPTER
09	ADAPTER
10	SCREW
11	NUT

Feature:

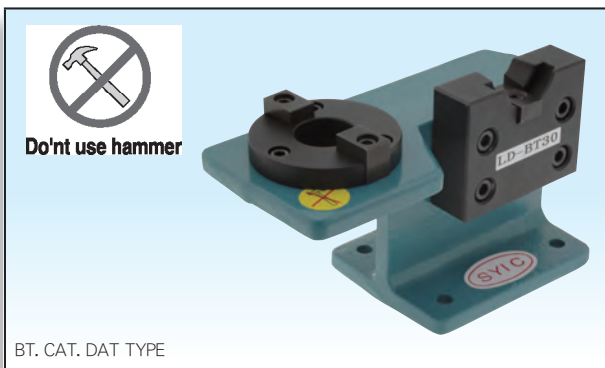
AD50 commonly-used 08 ADAPTER can be changed into BT30, BT40 and HSK63A all together by matching 09 ADAPTERS.

MODEL NO.	TYPE	02 FIXED BLOCK		08 ADAPTER		09 ADAPTER	
		MODEL NO.	TYPE	MODEL NO.	TYPE	MODEL NO.	TYPE
301.10	BT30	301.11.02	BT40	301.12.08	AD50	301.10.09	BT30
301.11	BT40					301.11.09	BT40
301.12	BT50	301.12.02	BT50	301.12.08	BT50	-	-
301.73	HSK63A	301.73.02	HSK63A	301.73.08	AD50	301.73.09	HSK63A
301.75	HSK100A	301.75.02	HSK100A	301.75.08	HSK100A	-	-

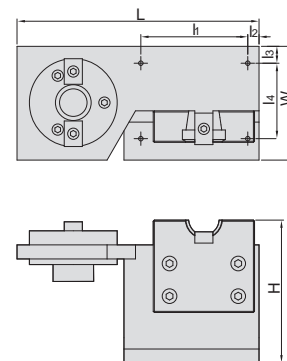


TOOL HOLDER LOCKING DEVICE

SYIC-17850



鎖刀座



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	H	W	WEIGHT (KGS)
SYIC - 17852	BT30	210	95	10	15	67	130	100	3.70
SYIC - 17854	BT40								3.80
SYIC - 17856	BT50	275	113	20	24	105	200	150	11.40
SYIC - 17864	DAT40	210	95	10	15	67	130	100	3.80
SYIC - 17866	DAT50	275	113	20	24	105	200	150	11.40
SYIC - 17870	CAT40	210	95	10	15	67	130	100	3.80
SYIC - 17872	CAT50	275	113	20	24	105	200	150	11.40

BT



TOOL HOLDER LOCKING DEVICE

CAT

SYIC-17870



DAT

HSK

NT & MT

B TYPE TOOL HOLDER LOCKING DEVICE

- SYIC-17873 (BT30, CAT30, DAT30)
- SYIC-17874 (BT40, CAT40, DAT40)
- SYIC-17875 (BT50, CAT50, DAT50)

ISO

SYIC-17890



BORING

SHRINK FIT

ACCESSORIES

KIT

C TYPE TOOL HOLDER LOCKING DEVICE

- SYIC-17893 (HSK63A, HSK63B, HSK63D)

TECHNICAL INFO.

SYIC-17880



C TYPE TOOL HOLDER LOCKING DEVICE

- SYIC-17883 (BT30)
- SYIC-17884 (BT40)
- SYIC-17885-BT50
- SYIC-17885-CAT50
- SYIC-17885-DAT50

SYIC-17840B



I TYPE TOOL HOLDER LOCKING DEVICE

- SYIC-17841B (HSK32E)
- SYIC-17842B (HSK40E)
- SYIC-17844B (HSK50A, HSK50E, HSK50F)
- SYIC-17846B (HSK63A, HSK63E, HSK63F)



TOOL PRESETTER WITH LINEAR SCALE

B
T

SYIC-400

光學刀具設定儀

C
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D
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T

Standard accessories:

- Test bar* 1PCS.
- Widescreen LED displayer (The computer is included).
- Dustproof plastic cover.

H
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Optional accessories:

- Tool holder locking device.
- 30 Adapter.
- 40 Adapter.
- Cabinet.

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Feature:

- Magnification: 30X times.
- Repetitive accuracy: within 5 μ .
- Measuring range: X-axis 50~150 mm; Y-axis: 50~300 mm.
- Minimum numeric: 0.001mm.
- Construction: use granite to settle the unstable factors caused by unstable climate.
- With automatic boundary detection capability, increasing accuracy of measurement.
- 62 megapixel high resolution of CCD camera.
- Two model types: Touch screen and Non-touch screen are available.
- Applied to image and projection measurement.

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BT



DIGITAL LINEAR SCALE TOOL PRESETTER

CAT

SYIC-19988

光學尺 刀具設定儀

DAT

HSK



STANDARD ACCESSORIES:

- 1. BT # 50 master bar 1pcs (ϕ 50 x 250L)
- 2. Dial gauge 2pcs
- 3. Dust proof cover 1pcs

OPTIONS:

- 1. Tool locking device.
- 2. BT # 30 sleeve.
- 3. BT # 40 sleeve.
- 4. Cabinet



NT & MT

RANGE OF MEASUREMENT	MINIMUM READING DIGIT	DIGIT LINEAR SCALE	MACHINE SIZE	MACHINE WEIGHT
D = 300, L = 400mm	X axis: 0.01mm Z axis: 0.01mm	X axis 1pcs for 150mm Z axis 1pcs for 400mm	603 x 307 x 903mm	96 KGS

ISO



USEFUL TOOL PRESETTER

BORING

SYIC-19984

實用型 刀具設定儀

SHRINK FIT

ACCESSORIES

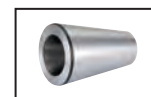


STANDARD ACCESSORIES:

- 1. BT # 50 master bar 1pcs (ϕ 50 x 250L).
- 2. Dial gauge 2pcs.
- 3. Dust proof cover 1pcs.

OPTIONS:

- 1. Tool locking device.
- 2. BT # 30 sleeve.
- 3. BT # 40 sleeve.
- 4. Cabinet.



KIT

RANGE OF MEASUREMENT	MINIMUM READING DIGIT	MACHINE SIZE	MACHINE WEIGHT
D = 300, L = 400mm	X axis: 0.01mm, Z axis: 0.01mm	603 x 307 x 903mm	92 KGS

TECHNICAL INFO.

SYIC-19989

工具車



TYPE	CABINET SIZE	CABINET WEIGHT
TP - C	760 x 500 x 600mm	42 KGS

SPINDLE TAPER WIPERS

SYIC-17700

主軸清潔棒



- Handle made of plastic.
- Taper part made of cotton.
- 100% cleaning efficiency.
- ISO taper 7/24 (8° 17' 50") is used for any type of machine. Spindle includes NT, MAS BT, CAT, DIN 69871-A DAT.

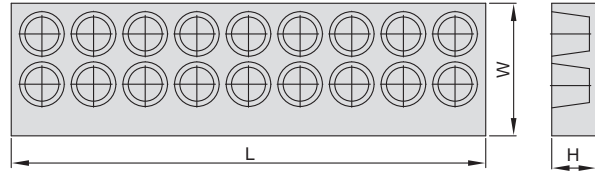
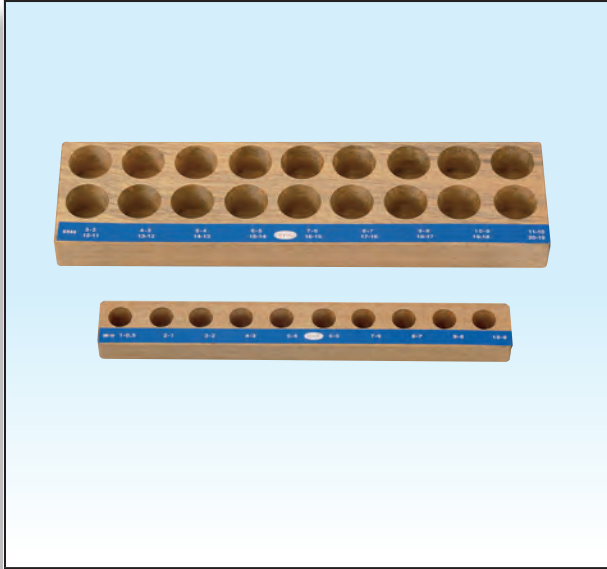
NEW DESIGN : (TYPE B)

- Made by wool.
- It's more efficient than old type.
- Please see the type B for new design reference.

MODEL NO.	TYPE	TOTAL LENGTH	TAPER LENGTH	HANDLE LENGTH	HANDLE DIAMETER	TAPER MAX. DIA	WEIGHT (KGS)
SYIC - 17703	ISO - 30	170	60	110	24	32	0.03
SYIC - 17704	ISO - 40	188	78			45	0.04
SYIC - 17705	ISO - 50	240	120	120	30	70	0.07
SYIC - 17706	ISO - 30 - B	170	60	110	24	32	0.03
SYIC - 17707	ISO - 40 - B	188	78			45	0.04
SYIC - 17708	ISO - 50 - B	240	120	120	30	70	0.07
SYIC - 38032	HSK50A - 63F - 50E	160	25	110	24	38	0.06
SYIC - 38036	HSK63A - 80F	167	32			48	0.08

SYIC-04280

ER 筒夾木盤



MODEL NO.	TYPE	L	W	H	Q'TY	WEIGHT (KGS)
SYIC - 04282	ER 8	210	20	13	9	0.01
SYIC - 04284	ER 11				13	0.01
SYIC - 04286	ER 16	275	35	22	10	0.14
SYIC - 04288	ER 20				12	0.12
SYIC - 04290	ER 25	275	77	26	16	0.18
SYIC - 04292	ER 32	340	90	30	18	0.48
SYIC - 04294	ER 40	265	210	38	24	0.76
SYIC - 04296	ER 50	235	210	37	12	0.64

SYIC-04251

包裝盒



- Plastic boxes will not get broken easily and is easy to deliver.
- ISO#50 should be used with wooden box.
- The same type of box is suitable for the complete set or the required sizes of collets from customers.
- There is EVA inserted lining inside ER8 & ER11's wooden box.
- There's EVA inserted lining inside ER32 & ER40's plastic box.
- When ordering EOC25 wooden box, please indicate 7 pcs or 15 pcs needed.
- EOC25 plastic case inside by fixed pattern and 7 pcs or 15pcs are the same one.
- EOC32 plastic case, empty inside but with a 16 hole of EVA insert lining, 8pcs or 16pcs are the same one.
- EOC25 NT50 or EOC32 NT50 must use wooden box.

MODEL NO.	TYPE	FULL PCS/SET	MATERIAL	SIZE	WEIGHT (KGS)
SYIC - 04252	ER8 / ER 11	13	Wooden	223 x 75 x 95	0.2
SYIC - 04254	ER16	10	Wooden	240 x 130 x 80	0.5
SYIC - 04256	ER16 / ER20	10	Plastic	310 x 150 x 50	0.3
SYIC - 04258	ER20	12	Wooden	290 x 140 x 80	0.5
SYIC - 04262	ER25	15	Wooden	285 x 160 x 80	0.4
SYIC - 04264	ER25	15	Plastic	320 x 240 x 100	0.9
SYIC - 04266	ER32	18	Wooden	275 x 160 x 110	1.1
SYIC - 04268	ER32	18	Plastic	320 x 240 x 100	0.9
SYIC - 04270	ER40	23	Wooden	410 x 240 x 110	1.8
SYIC - 04272	ER40	7	Plastic	320 x 240 x 100	0.9
SYIC - 04274	ER50	17	Wooden	445 x 305 x 125	2.8
SYIC - 83693	EOC 25	7	Wooden	300 x 165 x 90	1.0
SYIC - 83694		15	Wooden	315 x 235 x 90	0.8
SYIC - 83695		7 or 15	Wooden	305 x 280 x 110	1.8
SYIC - 83696		7 or 15	Plastic	300 x 165 x 90	1.0
SYIC - 83697	EOC 32	8	Wooden	305 x 240 x 110	1.9
SYIC - 83698		16	Wooden	445 x 295 x 130	3.2
SYIC - 83699		8 or 16	Plastic	320 x 240 x 100	0.9



04200	ER COLLET SET	K-2
04900	ER MILLING CHUCK SET	K-3
05000	STRAIGHT SHANK ER COLLET CHUCK SET	K-4
83800	SHIN-YAIN MILLING CHUCK SET	K-5
83920	EOC 32 MILLING CHUCK SET	K-6
84070	TG 100 MILLING CHUCK SET	K-7
85900	MULTI-LOCK COLLET CHUCK FULL SET	K-8
	Balance Standard Formula List	K-9
	REFERENCE DETAILS	K-10~K-13

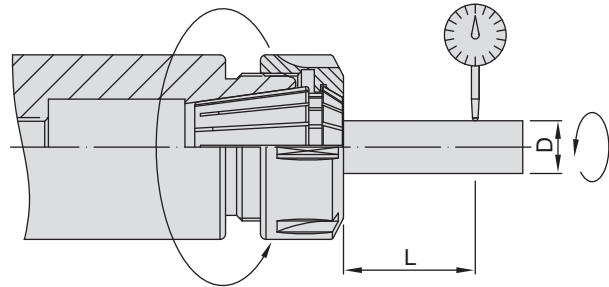
COMPLETE KIT SERIES



SYIC-04200

ER 彈性筒夾組

DIN ISO 15488



- Substitution for point 5 types is acceptable; price needs to be quoted additionally.
- ER8, ER11 and ER50 collets are packed with wooden boxes; ER16, ER20, ER25, ER32 and ER40 with plastic boxes.
- Collets of special sizes could be ordered by request.

L mm	D mm	CONCENTRICITY	ER-UP CLASS	ER-A CLASS
6	1.0 - 1.4	0.015	0.005	0.01
10	1.5 - 2.9	0.015		
16	3.0 - 5.9	0.015		
25	6.0 - 9.9	0.015		
40	10.0 - 17.9	0.020		
50	18.0 - 26.9	0.020		
60	27.0 - 34.0	0.020		

1. UP = Ultra Precision
2. ER-UP collets must be used with HSP Clamping Nut.
3. The shank's concentricity must be less than h6.

MODEL NO.	PCS / SET	COLLET KIT	WEIGHT (KGS)
SYIC - 04200	ER8 x 9	5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1	0.15
SYIC - 04201	ER11 x 13	7, 6.5, 6, 5.5, 5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1	0.23
SYIC - 04202	ER16 x 10	10, 9, 8, 7, 6, 5, 4, 3, 2, 1	0.40
SYIC - 04203	ER20 x 12	13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2	0.60
SYIC - 04204	ER25 x 15	16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2	1.70
SYIC - 04205	ER32 x 18	20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3	2.60
SYIC - 04206	ER40 x 23	26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4	6.60
SYIC - 04207	ER50 x 17	34, 32, 30, 28, 26, 24, 22, 20, 18, 16, 14, 12, 10, 9, 8, 7, 6	8.45



ER MILLING CHUCK SET

SYIC-04900

ER 銑床夾頭組

DIN ISO 15488



- Whole set=(ER Collet x Q'ty)+spanner+body+plastic box.
- Please inform Draw Bar's thread when making an order.

MODEL NO.	TYPE	COLLET SIZE	DRAW BAR	WEIGHT (KGS)
SYIC - 04902	MTB3 x ER32 x 6PCS	6, 8, 10, 12, 16, 20mm	M12 x 1.75P, 1/2" - 12	2.50
SYIC - 04903	MTB4 x ER32 x 6PCS		M16 x 2.0P, 5/8" - 11	2.70
SYIC - 04904	R8 x ER32 x 6PCS		7/16" - 20	2.60
SYIC - 04905	NT30 x ER32 x 6PCS		M12 x 1.75P, 1/2" - 12	2.40
SYIC - 04907	MTB3 x ER40 x 7PCS	6, 8, 10, 12, 16, 20, 25mm	M12 x 1.75P, 1/2" - 12	4.10
SYIC - 04908	MTB4 x ER40 x 7PCS		M16 x 2.0P, 5/8" - 11	4.00
SYIC - 04909	R8 x ER40 x 7PCS		7/16" - 20	3.90
SYIC - 04910	NT30 x ER40 x 7PCS		M12 x 1.75P, 1/2" - 12	3.80
SYIC - 04911	NT40 x ER40 x 7PCS		M16 x 2.0P, 5/8" - 11	3.90
SYIC - 04913	MTB3 x ER32 x 18PCS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm	M12 x 1.75P, 1/2" - 12	4.00
SYIC - 04914	MTB4 x ER32 x 18PCS		M16 x 2.0P, 5/8" - 11	4.15
SYIC - 04915	R8 x ER32 x 18PCS		7/16" - 20	4.00
SYIC - 04916	NT30 x ER32 x 18PCS		M12 x 1.75P, 1/2" - 12	4.00
SYIC - 04917	NT40 x ER32 x 18PCS		M16 x 2.0P, 5/8" - 11	4.30
SYIC - 04919	MTB4 x ER40 x 23PCS	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26mm	M16 x 2.0P, 5/8" - 11	8.45
SYIC - 04920	R8 x ER40 x 23PCS		7/16" - 20	8.30
SYIC - 04921	NT30 x ER40 x 23PCS		M12 x 1.75P, 1/2" - 12	8.00
SYIC - 04922	NT40 x ER40 x 23PCS		M16 x 2.0P, 5/8" - 11	8.45
SYIC - 04923	NT50 x ER40 x 23PCS		M24 x 3.0P, 1" - 8	11.25
SYIC - 04925	NT40 x ER50 x 17PCS	6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34mm	M16 x 2.0P, 5/8" - 11	9.15
SYIC - 04926	NT50 x ER50 x 17PCS		M24 x 3.0P, 1" - 8	11.95
SYIC - 04930	MTB3 x ER40 x 15PCS	4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 23, 25, 26mm	M12 x 1.75P, 1/2" - 12	6.45
SYIC - 04931	MTB4 x ER40 x 15PCS		M16 x 2.0P, 5/8" - 11	6.45
SYIC - 04932	R8 x ER40 x 15PCS		7/16" - 20	6.30
SYIC - 04933	NT30 x ER40 x 15PCS		M12 x 1.75P, 1/2" - 12	6.00
SYIC - 04934	NT40 x ER40 x 15PCS		M16 x 2.0P, 5/8" - 11	6.45
SYIC - 04935	NT50 x ER40 x 15PCS		M24 x 3.0P, 1" - 8	9.25



STRAIGHT SHANK ER COLLET CHUCK SET

SYIC-05000

直柄 ER 夾頭組

DIN ISO 15488



- Whole set=(ER Collet x Q'ty)+spanner+body+plastic box.
- It is acceptable to order a set for the sizes selected by request.

- SET: INCLUDING BODY, NUT, WRENCH, SET OF COLLET AND BOX.

MODEL NO.	TYPE	WEIGHT (KGS)	MODEL NO.	TYPE	WEIGHT (KGS)
SYIC - 05006	C16 x ER16A - 50 x 10PCS	1.40	SYIC - 05032	C25 x ER40 - 50 x 7PCS	5.35
SYIC - 05007	C16 x ER16A - 100 x 10PCS	1.48	SYIC - 05033	C25 x ER40 - 50 x 23PCS	9.35
SYIC - 05008	C16 x ER16A - 150 x 10PCS	1.56	SYIC - 05034	C32 x ER32 - 60 x 6PCS	3.25
SYIC - 05010	C20 x ER16A - 50 x 10PCS	1.50	SYIC - 05035	C32 x ER32 - 60 x 18PCS	4.45
SYIC - 05011	C20 x ER16A - 100 x 10PCS	1.60	SYIC - 05036	C32 x ER40 - 50 x 7PCS	5.48
SYIC - 05012	C20 x ER16A - 150 x 10PCS	1.70	SYIC - 05037	C32 x ER40 - 50 x 23PCS	9.48
SYIC - 05014	C20 x ER20A - 60 x 12PCS	1.71	SYIC - 05054	5/8" x ER11A - 140 x 13PCS	1.36
SYIC - 05015	C20 x ER20A - 120 x 12PCS	1.76	SYIC - 05039	5/8" x ER16A - 60 x 10PCS	1.42
SYIC - 05016	C20 x ER20A - 180 x 12PCS	1.88	SYIC - 05040	3/4" x ER16A - 50 x 10PCS	1.50
SYIC - 05018	C20 x ER25 - 50 x 15PCS	2.42	SYIC - 05041	3/4" x ER16A - 100 x 10PCS	1.60
SYIC - 05019	C20 x ER25 - 100 x 15PCS	2.55	SYIC - 05056	3/4" x ER16A - 140 x 10PCS	1.55
SYIC - 05021	C20 x ER32 - 50 x 6PCS	2.42	SYIC - 05058	1" x ER20A - 140 x 12 PCS	1.98
SYIC - 05022	C20 x ER32 - 100 x 6PCS	2.52	SYIC - 05042	1" x ER25 - 50 x 15PCS	2.85
SYIC - 05024	C20 x ER32 - 50 x 18PCS	3.62	SYIC - 05043	1" x ER32 - 50 x 6PCS	3.00
SYIC - 05025	C20 x ER32 - 100 x 18PCS	3.72	SYIC - 05044	1" x ER32 - 50 x 18PCS	4.20
SYIC - 05027	C25 x ER25 - 50 x 15PCS	3.10	SYIC - 05045	1" x ER40 - 50 x 7PCS	5.35
SYIC - 05028	C25 x ER25 - 100 x 15PCS	3.23	SYIC - 05046	1" x ER40 - 50 x 23PCS	9.35
SYIC - 05030	C25 x ER32 - 50 x 6PCS	3.00	SYIC - 05047	1-1/4" x ER32 - 60 x 6PCS	3.15
SYIC - 05031	C25 x ER32 - 50 x 18PCS	4.20	SYIC - 05048	1-1/4" x ER32 - 60 x 18PCS	4.35

STRAIGHT SHANK ER TAPPER (FOR CNC LATHE)

MODEL NO.	TYPE	COLLET	TYPFER	WEIGHT (KGS)
SYIC - 05210	TP20 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13 mm	M3 ~ M16	1.22
SYIC - 05220	TP32 x 10PCS / SET	4, 5, 6, 7, 9, 12, 13, 15, 19, 20 mm	M3 ~ M27	3.90
SYIC - 05230	TPM320 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13 mm	M3 ~ M16	1.50
SYIC - 05240	TPM420 x 7PCS / SET	4, 5, 6, 7, 9, 12, 13 mm	M3 ~ M16	1.70
SYIC - 05250	TPM432 x 10PCS / SET	4, 5, 6, 7, 9, 12, 13, 15, 19, 20 mm	M3 ~ M27	4.10



SHIN-YAIN MILLING CHUCK SET

SYIC-83800

心源牌 銑床夾頭組



- Complete sets use SYOZ collet.
- Packed with plastic box, Wooden box package is different price.
- Please indicate the collet chuck measurements in inch or metric system and 7pcs/set or 15pcs/set.
- Please specify the draw bar's size when making an order.
- NT50 packed by wooden box.
- Concentric end mill extending 25mm with concentricity at 0.02mm.
- Spring collet with two ends cutting fine flute, not easy to make cutter loosen.
- Interior device with upper contracting to keep cutter never be shrunk.
- Enclosed one Spanner and Plastic case or wooden case for every set.
- The body Screw is Ground.
- Push inward the steel ball inside of screw nut and firmly strong valid vibration - absorbent power.

MODEL NO.	TYPE	DRAW BAR	COLLET SET	WEIGHT (KGS)
SYIC - 83802	MTB2 x EOC25 x 7M x SYOZ	3/8" - 16 or M10 x 1.5P	6, 8, 10, 12, 16, 20, 25mm	3.40
SYIC - 83803	MTB3 x EOC25 x 7M x SYOZ	1/2" - 12 or M12 x 1.75P		3.80
SYIC - 83804	MTB4 x EOC25 x 7M x SYOZ	5/8" - 11 or M16 x 2.0P		4.00
SYIC - 83808	R 8 x EOC25 x 7M x SYOZ	7/16" - 20		3.70
SYIC - 83830	NT30 x EOC25 x 7M x SYOZ	1/2" - 12 or M12 x 1.75P		3.50
SYIC - 83840	NT40 x EOC25 x 7M x SYOZ	5/8" - 11 or M16 x 2.0P		3.80
SYIC - 83850	NT50 x EOC25 x 7M x SYOZ	1" - 8 or M24 x 3.0P		6.20
SYIC - 83812	MTB2 x EOC25 x 7I x SYOZ	3/8" - 16 or M10 x 1.5P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	3.50
SYIC - 83813	MTB3 x EOC25 x 7I x SYOZ	1/2" - 12 or M12 x 1.75P		3.55
SYIC - 83814	MTB4 x EOC25 x 7I x SYOZ	5/8" - 11 or M16 x 2.0P		3.70
SYIC - 83818	R 8 x EOC25 x 7I x SYOZ	7/16" - 20		3.90
SYIC - 83831	NT30 x EOC25 x 7I x SYOZ	1/2" - 12 or M12 x 1.75P U. S. A. 1/2" - 13		3.60
SYIC - 83841	NT40 x EOC25 x 7I x SYOZ	5/8" - 11 or M16 x 2.0P		4.00
SYIC - 83849	NT50 x EOC25 x 7I x SYOZ	1" - 8 or M24 x 3.0P		6.80
SYIC - 83851	MTB2 x EOC25 x 15M x SYOZ	3/8" - 16 or M10 x 1.5P	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	4.90
SYIC - 83852	MTB3 x EOC25 x 15M x SYOZ	1/2" - 12 or M12 x 1.75P		5.20
SYIC - 83853	MTB4 x EOC25 x 15M x SYOZ	5/8" - 11 or M16 x 2.0P		5.70
SYIC - 83854	R8 x EOC25 x 15M x SYOZ	7/16" - 20		5.30
SYIC - 83855	NT30 x EOC25 x 15M x SYOZ	1/2" - 12 or M12 x 1.75P		5.00
SYIC - 83856	NT40 x EOC25 x 15M x SYOZ	5/8" - 11 or M16 x 2.0P		5.40
SYIC - 83857	NT50 x EOC25 x 15M x SYOZ	1" - 8 or M24 x 3.0P		7.60
SYIC - 83871	MTB2 x EOC25 x 15I x SYOZ	3/8" - 16 or M10 x 1.5P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	4.90
SYIC - 83872	MTB3 x EOC25 x 15I x SYOZ	1/2" - 12 or M12 x 1.75P		5.20
SYIC - 83873	MTB4 x EOC25 x 15I x SYOZ	5/8" - 11 or M16 x 2.0P		5.70
SYIC - 83874	R8 x EOC25 x 15I x SYOZ	7/16" - 20		5.30
SYIC - 83875	NT30 x EOC25 x 15I x SYOZ	1/2" - 12 or M12 x 1.75P U. S. A. 1/2" - 13		5.00
SYIC - 83876	NT40 x EOC25 x 15I x SYOZ	5/8" - 11 or M16 x 2.0P		5.40
SYIC - 83877	NT50 x EOC25 x 15I x SYOZ	1" - 8 or M24 x 3.0P		7.60

SYIC-83920

EOC32 銑床夾頭組

DIN ISO 10897



- Please specify the draw bar's size when making an order.
- Complete set packaged by plastic box, but NT50 by wooden box.
- Set: includes body + (collet x Q'ty) + spanner + packing box.
- Max. clamping capacity: 32mm or 1-1/4".

• COLLET TYPE: EOC 32 - B.

8 PCS OR 16 PCS/SET EOC32 MILLING CHUCK

MM SIZE

MODEL NO.	TYPE	DRAW BAR	COLLET SET	WEIGHT (KGS)
SYIC - 83924	MTB4 x EOC32 x 8M x B	5/8" - 11 or M16 x 2.0P	6, 8, 10, 12, 16, 20, 25, 32mm	6.50
SYIC - 83926	MTB5 x EOC32 x 8M x B	1" - 8 or M24 x 3.0P		9.07
SYIC - 83930	NT40 x EOC32 x 8M x B	5/8" - 11 or M16 x 2.0P		6.50
SYIC - 83932	NT50 x EOC32 x 8M x B	1" - 8 or M24 x 3.0P		9.45
SYIC - 83944	MTB4 x EOC32 x 16M x B	5/8" - 11 or M16 x 2.0P	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 25, 32mm	10.70
SYIC - 83946	MTB5 x EOC32 x 16M x B	1" - 8 or M24 x 3.0P		12.27
SYIC - 83950	NT40 x EOC32 x 16M x B	5/8" - 11 or M16 x 2.0P		10.80
SYIC - 83952	NT50 x EOC32 x 16M x B	1" - 8 or M24 x 3.0P		12.65

8 PCS/SET EOC32 MILLING CHUCK

INCH SIZE

MODEL NO.	TYPE	DRAW BAR	COLLET SET	WEIGHT (KGS)
SYIC - 83964	MTB4 x EOC32 x 8I x B	5/8" W11	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	6.50
SYIC - 83966	MTB5 x EOC32 x 8I x B	1" W8		9.07
SYIC - 83970	NT40 x EOC32 x 8I x B	5/8" W11		6.50
SYIC - 83972	NT50 x EOC32 x 8I x B	1" W8		9.45



TG 100 MILLING CHUCK SET

SYIC-84070

TG 100 銑床夾頭組



- Please inform if the collet chuck measurements are in inch or metric system and 7 pcs/set or 15 pcs/set.
- Please inform the draw bar's size when making an order.
- Concentric end mill extending 25mm with concentricity at 0.01mm.
- Spring collet with two ends cutting fine flute, not easy to make cutter loosen.
- Interior device with upper contracting to keep cutter never be contracted.
- Enclosed one Spanner, Shank, wooden box and full set collets.
- The body Screw is Ground.
- Push inward the steel ball inside of screw nut and firmly strong valid vibration - absorbent power.

MODEL NO.	TYPE	COLLET	DRAW BAR	WEIGHT (KGS)
SYIC - 84072	MTB3 x TG100 x 7M	6, 8, 10, 12, 16, 20, 25mm	1/2" - 12 or M12 x 1.75P	3.95
SYIC - 84073	MTB4 x TG100 x 7M		5/8" - 11 or M16 x 2.0P	4.10
SYIC - 84074	R8 x TG100 x 7M		7/16" - 20	4.30
SYIC - 84075	NT30 x TG100 x 7M		1/2" - 12 or M12 x 1.75P	4.00
SYIC - 84076	NT40 x TG100 x 7M		5/8" - 11 or M16 x 2.0P	4.40
SYIC - 84077	NT50 x TG100 x 7M		1" - 8 or M24 x 3.0P	6.80
SYIC - 84079	MTB3 x TG100 x 7I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	1/2" - 12 or M12 x 1.75P	3.95
SYIC - 84080	MTB4 x TG100 x 7I		5/8" - 11 or M16 x 2.0P	4.10
SYIC - 84081	R8 x TG100 x 7I		7/16" - 20	4.30
SYIC - 84082	NT30 x TG100 x 7I		1/2" - 12 or M12 x 1.75P	4.00
SYIC - 84083	NT40 x TG100 x 7I		5/8" - 11 or M16 x 2.0P	4.40
SYIC - 84084	NT50 x TG100 x 7I		1" - 8 or M24 x 3.0P	6.80
SYIC - 84086	MTB3 x TG100 x 15M	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25mm	1/2" - 12 or M12 x 1.75P	5.75
SYIC - 84087	MTB4 x TG100 x 15M		5/8" - 11 or M16 x 2.0P	5.90
SYIC - 84088	R8 x TG100 x 15M		7/16" - 20	6.10
SYIC - 84089	NT30 x TG100 x 15M		1/2" - 12 or M12 x 1.75P	5.80
SYIC - 84090	NT40 x TG100 x 15M		5/8" - 11 or M16 x 2.0P	6.20
SYIC - 84091	NT50 x TG100 x 15M		1" - 8 or M24 x 3.0P	9.00
SYIC - 84093	MTB3 x TG100 x 15I	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	1/2" - 12 or M12 x 1.75P	5.75
SYIC - 84094	MTB4 x TG100 x 15I		5/8" - 11 or M16 x 2.0P	5.90
SYIC - 84095	R8 x TG100 x 15I		7/16" - 20	6.10
SYIC - 84096	NT30 x TG100 x 15I		1/2" - 12 or M12 x 1.75P	5.80
SYIC - 84097	NT40 x TG100 x 15I		5/8" - 11 or M16 x 2.0P	6.20
SYIC - 84098	NT50 x TG100 x 15I		1" - 8 or M24 x 3.0P	9.00



SYIC-85900

直式筒夾 銑床夾頭組



Reserve

The top of cap and the lower end of body shall have reserve, it can be clamped better when end mill shank, collet or rolling circle of bearing are worn away.

Packing

Red packing that realized airtight perfectly prevent the slide part of Needle Bearing from cutting oil and chips.

- Maximum Life.

MODEL NO.	TYPE	COLLET	DRAW BAR	WEIGHT (KGS)
SYIC - 85902	NT30 x MLC20 x 5PCS	6, 8, 10, 12, 16mm	M12 x 1.75P, 1/2" - 12	3.5
SYIC - 85904	NT40 x MLC20 x 5PCS		M16 x 2.0P, 5/8" - 11	3.8
SYIC - 85906	R8 x MLC20 x 5PCS		7/16" - 20	3.7
SYIC - 85910	MTB4 x MLC32 x 7PCS	6, 8, 10, 12, 16, 20, 25mm	M16 x 2.0P, 5/8" - 11	4.3
SYIC - 85912	MTB5 x MLC32 x 7PCS		M24 x 3.0P, 1" - 8	6.1
SYIC - 85914	NT40 x MLC32 x 7PCS		M16 x 2.0P, 5/8" - 11	4.1
SYIC - 85916	NT50 x MLC32 x 7PCS		M24 x 3.0P, 1" - 8	6.3
SYIC - 85920	MTB4 x MLC42 x 8PCS	6, 8, 10, 12, 16, 20, 25, 32mm	M16 x 2.0P, 5/8" - 11	11.5
SYIC - 85922	MTB5 x MLC42 x 8PCS		M24 x 3.0P, 1" - 8	13.1
SYIC - 85924	NT50 x MLC42 x 8PCS			13.5

Balance Grade		G0.4	G1	G2.5	G6.3	G16	G40	G100	G250	G630	G1600	G4000
Precision Required	e _{xw} (mm/s)	0.4	1	2.5	6.3	16	40	100	250	630	1600	4000
	e _{xw} (μm *rpm)	3820	9549	23875	60165	152800	382000	954900	2387500	6016500	15280000	38200000

SETTING OF THE BALANCE SERIES IS ACCORDING TO ISO 1940 STANDARD .

THE FORMULA AS FOLLOWS:

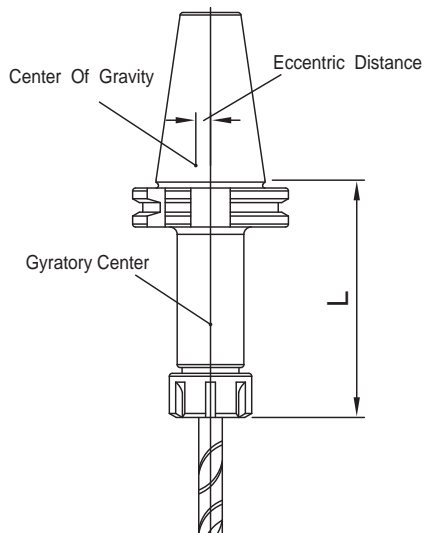
$$U = M \times e$$

G = UNBALANCE SERIES
U = UNBALANCE (g-mm)
e = ECCENTRIC DISTANCE (mm)

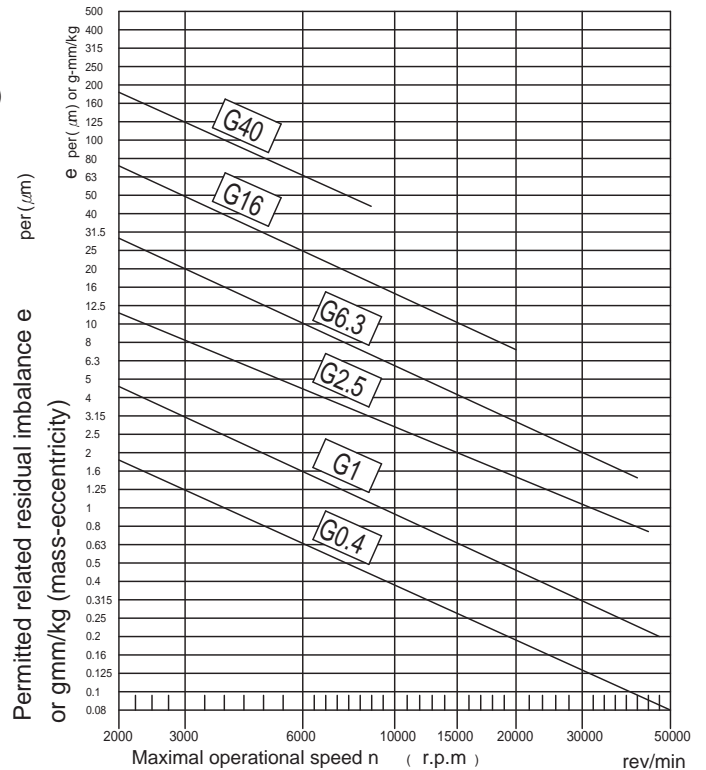
$$U = \frac{G \times M}{n} \times 9549$$

M = ROTER WEIGHT (kg)
n = rpm
9549 = CONSTANT

$$G = \frac{n \times U}{9549 \times M}$$



Quality levels according to ISO 1940 and permitted residual imbalance or speed





REFERENCE DETAILS

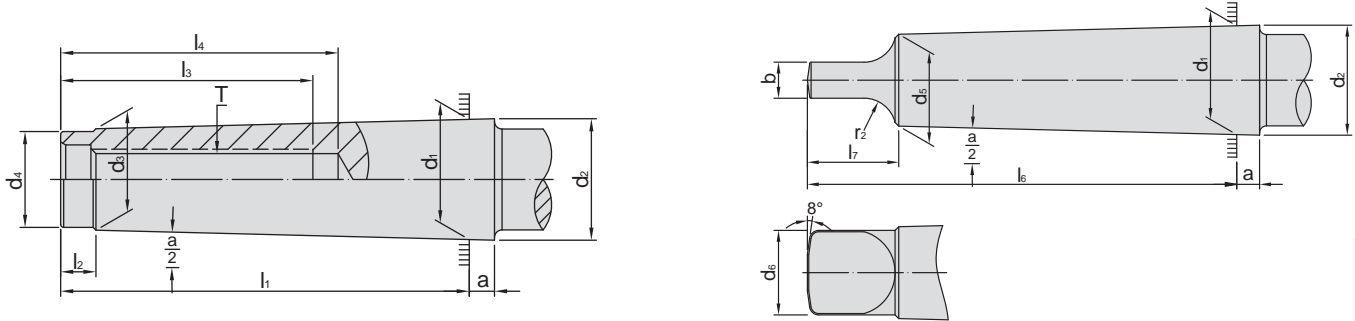
µm

mm		H																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14 ¹⁾	15 ¹⁾	16 ¹⁾	17 ¹⁾	18 ¹⁾
Over	Under	µm											mm						
-	3 ¹⁾	+0.8 0	+1.2 0	+2 0	+3 0	+4 0	+6 0	+10 0	+14 0	+25 0	+40 0	+60 0	+0.1 0	+0.14 0	+0.25 0	+0.4 0	+0.6 0		
3	6	+1 0	+1.5 0	+2.5 0	+4 0	+5 0	+8 0	+12 0	+18 0	+30 0	+48 0	+75 0	+0.12 0	+0.18 0	+0.3 0	+0.48 0	+0.75 0	+1.2 0	+1.8 0
6	10	+1 0	+1.5 0	+2.5 0	+4 0	+6 0	+9 0	+15 0	+22 0	+36 0	+58 0	+90 0	+0.15 0	+0.22 0	+0.36 0	+0.58 0	+0.9 0	+1.5 0	+2.2 0
10	18	+1.2 0	+2 0	+3 0	+5 0	+8 0	+11 0	+18 0	+27 0	+43 0	+70 0	+110 0	+0.18 0	+0.27 0	+0.43 0	+0.7 0	+1.1 0	+1.8 0	+2.7 0
18	30	+1.5 0	+2.5 0	+4 0	+6 0	+9 0	+13 0	+21 0	+33 0	+52 0	+84 0	+130 0	+0.21 0	+0.33 0	+0.52 0	+0.84 0	+1.3 0	+2.1 0	+3.3 0
30	50	+1.5 0	+2.5 0	+4 0	+7 0	+11 0	+16 0	+25 0	+39 0	+62 0	+100 0	+160 0	+0.25 0	+0.39 0	+0.62 0	+1 0	+1.6 0	+2.5 0	+3.9 0
50	80	+2 0	+3 0	+5 0	+8 0	+13 0	+19 0	+30 0	+46 0	+74 0	+120 0	+190 0	+0.3 0	+0.46 0	+0.74 0	+1.2 0	+1.9 0	+3 0	+4.6 0
80	120	+2.5 0	+4 0	+6 0	+10 0	+15 0	+22 0	+35 0	+54 0	+87 0	+140 0	+220 0	+0.35 0	+0.54 0	+0.87 0	+1.4 0	+2.2 0	+3.5 0	+5.4 0
120	180	+3.5 0	+5 0	+8 0	+12 0	+18 0	+25 0	+40 0	+63 0	+100 0	+160 0	+250 0	+0.4 0	+0.63 0	+1 0	+1.6 0	+2.5 0	+4 0	+6.3 0
180	250	+4.5 0	+7 0	+10 0	+14 0	+20 0	+29 0	+46 0	+72 0	+115 0	+185 0	+290 0	+0.46 0	+0.72 0	+1.15 0	+1.85 0	+2.9 0	+4.6 0	+7.2 0
250	315	+6 0	+8 0	+12 0	+16 0	+23 0	+32 0	+52 0	+81 0	+130 0	+210 0	+320 0	+0.52 0	+0.81 0	+1.3 0	+2.1 0	+3.2 0	+5.2 0	+8.1 0
315	400	+7 0	+9 0	+13 0	+18 0	+25 0	+36 0	+57 0	+89 0	+140 0	+230 0	+360 0	+0.57 0	+0.89 0	+1.4 0	+2.3 0	+3.6 0	+5.7 0	+8.9 0
400	500	+8 0	+10 0	+15 0	+20 0	+27 0	+40 0	+63 0	+97 0	+155 0	+250 0	+400 0	+0.63 0	+0.97 0	+1.55 0	+2.5 0	+4 0	+6.3 0	+9.7 0

mm		h																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14 ¹⁾	15 ¹⁾	16 ¹⁾	17	18
Over	Under	µm											mm						
-	3 ¹⁾	0 -0.8	0 -1.2	0 -2	0 -3	0 -4	0 -6	0 -10	0 -14	0 -25	0 -40	0 -60	0 -0.1	0 -0.14	0 -0.25	0 -0.4	0 -0.6		
3	6	0 -1	0 -1.5	0 -2.5	0 -4	0 -5	0 -8	0 -12	0 -18	0 -30	0 -48	0 -75	0 -0.12	0 -0.18	0 -0.3	0 -0.48	0 -0.75	0 -1.2	0 -1.8
6	10	0 -1	0 -1.5	0 -2.5	0 -4	0 -6	0 -9	0 -15	0 -22	0 -36	0 -58	0 -90	0 -0.15	0 -0.22	0 -0.36	0 -0.58	0 -0.9	0 -1.5	0 -2.2
10	18	0 -1.2	0 -2	0 -3	0 -5	0 -8	0 -11	0 -18	0 -27	0 -43	0 -70	0 -110	0 -0.18	0 -0.27	0 -0.43	0 -0.7	0 -1.1	0 -1.8	0 -2.7
18	30	0 -1.5	0 -2.5	0 -4	0 -6	0 -9	0 -13	0 -21	0 -33	0 -52	0 -84	0 -130	0 -0.21	0 -0.33	0 -0.52	0 -0.84	0 -1.3	0 -2.1	0 -3.3
30	50	0 -1.5	0 -2.5	0 -4	0 -7	0 -11	0 -16	0 -25	0 -39	0 -62	0 -100	0 -160	0 -0.25	0 -0.39	0 -0.62	0 -1	0 -1.6	0 -2.5	0 -3.9
50	80	0 -2	0 -3	0 -5	0 -8	0 -13	0 -19	0 -30	0 -46	0 -74	0 -120	0 -190	0 -0.3	0 -0.46	0 -0.74	0 -1.2	0 -1.9	0 -3	0 -4.6
80	120	0 -2.5	0 -4	0 -6	0 -10	0 -15	0 -22	0 -35	0 -54	0 -87	0 -140	0 -220	0 -0.35	0 -0.54	0 -0.87	0 -1.4	0 -2.2	0 -3.5	0 -5.4
120	180	0 -3.5	0 -5	0 -8	0 -12	0 -18	0 -25	0 -40	0 -63	0 -100	0 -160	0 -250	0 -0.4	0 -0.63	0 -1	0 -1.6	0 -2.5	0 -4	0 -6.3
180	250	0 -4.5	0 -7	0 -10	0 -14	0 -20	0 -29	0 -46	0 -72	0 -115	0 -185	0 -290	0 -0.46	0 -0.72	0 -1.15	0 -1.85	0 -2.9	0 -4.6	0 -7.2
250	315	0 -6	0 -8	0 -12	0 -16	0 -23	0 -32	0 -52	0 -81	0 -130	0 -210	0 -320	0 -0.52	0 -0.81	0 -1.3	0 -2.1	0 -3.2	0 -5.2	0 -8.1
315	400	0 -7	0 -9	0 -13	0 -18	0 -25	0 -36	0 -57	0 -89	0 -140	0 -230	0 -360	0 -0.57	0 -0.89	0 -1.4	0 -2.3	0 -3.6	0 -5.7	0 -8.9
400	500	0 -8	0 -10	0 -15	0 -20	0 -27	0 -40	0 -63	0 -97	0 -155	0 -250	0 -400	0 -0.63	0 -0.97	0 -1.55	0 -2.5	0 -4	0 -6.3	0 -9.7

參考資料

MORSE TAPER SPECIFICATION



DIN 228 FORM A <Drawing Thread Type>

M.T.NO.	a	d ₁	d ₂	d ₃	d ₄ max.	T	l ₁ max.	l ₂	l ₃ min.	l ₄ min.
2	5	17.78	18	14.6	14	3/8" 16W, M10 x 1.5P	64	5	24	31.5
3	5	23.825	24.1	19.8	19	1/2" 12W, M12 x 1.75P	81	7	24	33.5
4	6.5	31.267	31.6	25.9	25	5/8" 11W, M16 x 2.0P	102.5	9	32	42.5
5	6.5	44.399	44.7	37.6	35.7	1" 8W, M24 x 3.0P	129.5	10	40	52.5
6	8	63.348	63.8	53.9	51	1" 8W, M24 x 3.0P	182	16	47	61.5

DIN 228 FORM B <Tongue Type>

M.T.NO.	a	b h ₁₃	d ₅	d ₆ max.	l ₆ 0 -1	l ₇ max.	r ₂	$\frac{\alpha}{2}$
2	5	6.3	14	13.5	75	16	6	1°25' 50"
3	5	7.9	19.1	18.5	94	20	7	1°26' 16"
4	6.5	11.9	25.2	24.5	117.5	24	8	1°29' 15"
5	6.5	15.9	36.5	35.7	149.5	29	10	1°30' 26"
6	8	19	52.4	51	210	40	13	1°29' 36"

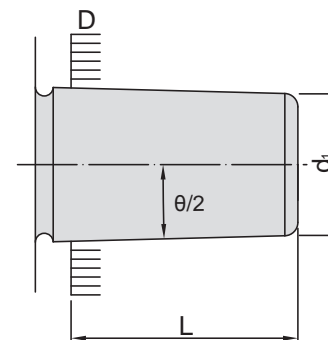
JACOBS TAPER

TYPE	θ/2 TAPER	D	d ₁	L
JT 2	2° 19'52"	14.199	12.386	22.225
JT33	1° 49'01"	15.850	14.237	25.400
JT 6	1° 29'10"	17.170	15.852	25.400
JT 3	1° 31'26"	20.599	18.951	30.956
JT 4	1° 29'59"	28.550	26.346	42.069
JT 5	1° 29'05"	35.890	33.422	47.625

DIN 238

TYPE	θ/2 TAPER	D	d ₁	L
B12	1° 25'43"	12.065	11.1	18.5
B16	1° 25'50"	15.733	14.5	24.0
B18	1° 25'50"	17.780	16.2	32.0

DRILL CHUCK HOLE TAPER SPECIFICATION

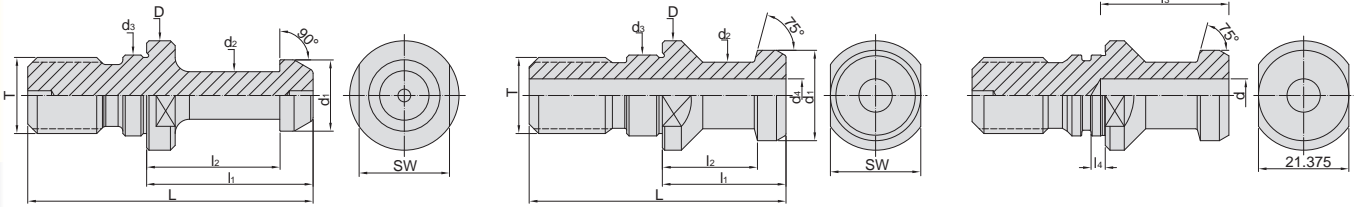


參考資料

MAS BT

DIN 69872 - A

DIN 69872 - B



MAS BT PULL STUDS SPECIFICATION

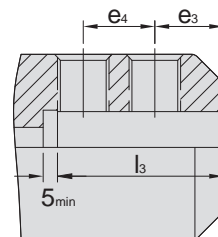
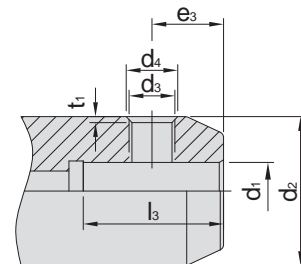
TYPE	D 0 -0.2	d1 0 -0.1	d2 0 -0.1	d3 h7	L	l1 0 -0.1	l2 0 -0.1	θ ±15'	SW 0 -0.35	T 6h	
BT30 - 45°	16.5	11	7	12.5	43	23	18	45°	13	M12 x 1.75P	P30T - 1
BT40 - 45°	23	15	10	17	60	35	28	45°	19	M16 x 2.0P	P40T - 1
BT50 - 45°	38	23	17	25	85	45	35	45°	30	M24 x 3.0P	P50T - 1
BT30 - 60°	16.5	11	7	12.5	43	23	18	60°	13	M12 x 1.75P	P30T - 2
BT40 - 60°	23	15	10	17	60	35	28	60°	19	M16 x 2.0P	P40T - 2
BT50 - 60°	38	23	17	25	85	45	35	60°	30	M24 x 3.0P	P50T - 2

DIN 69 872 A & B PULL STUDS SPECIFICATION

TYPE	D 0 -0.2	d1 f7	d2 0 -0.1	d3 f7	d4 +0.1 0	L	l1 ±0.1	l2 ±0.1	l3 +1 0	l4 0 -0.1	SW 0 -0.1	T
DAT30 - A	17	13	9	13	-	44	24	19	-	-	14	M12 x 1.75P
DAT40 - A	23	19	14	17	7	54	26	20	-	-	19	M16 x 2.0P
DAT50 - A	36	28	21	25	11.5	74	34	25	-	-	30	M24 x 3.0P
DAT30 - B	17	13	9	13	-	44	24	19	-	2.3	14	M12 x 1.75P
DAT40 - B	23	19	14	17	7	54	26	20	27	3.0	19	M16 x 2.0P
DAT50 - B	36	28	21	25	11.5	74	34	25	37	4.5	30	M24 x 3.0P

DIN 1835 - B END MILL HOLDER SPECIFICATION

SIZE	d1 H5	d2 0 -0.1	d3 6H	d4 MIN	l3 ±1	e3 0 -0.1	e4 ±0.5	t1
6	6	25	M6	8	35	18	-	1
8	8	28	M8	10	35	18	-	1.3
10	10	35	M10	12	39	20	-	1.5
12	12	42	M12	14	44	22.5	-	1.6
16	16	48	M14	16	47	24	-	1.7
20	20	52	M16	18	49	25	-	2.1
25	25	65	M18	20	54	24	25	2.1
32	32	72	M20	22	58	24	28	2.2
40	40	90	M24	26	68	30	32	2.2





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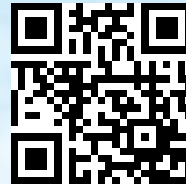
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