



# AD+B

## TOOL HOLDERS

ACCESSORIES FOR MACHINING CENTER

NO.28  
2008.05

# SYIC

[www.syic.com.tw](http://www.syic.com.tw)





President  
Simon C.T. Chen

### COMPANY PROFILE

Shin-Yain Industrial Company was established in 1979. Presently, we have three factories, which specialize in manufacturing precise tool



Factory building

holders & accessories of lathes, milling



Factory building

machines and machining centers, etc. For more than 20 years, SYIC sticks to upgrade the



Sales Department

industry and holds a principle "Quality creates reputation; reputation ensures quality" to pass the accreditation of ISO-9001 quality management system. With the establishment of ISO-9001 quality management system, we hope it can help 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 become international.

SYIC has produced 120 kinds of products, which have 10,000 kinds of types. With three factories, we have very sufficient stock. Now we have over 330 professional technicians. Also, we have set up

Factory building



professional examination department and instrument department to be in charge of examining the morse taper, concentricity, surface roughness, roundness and balancing of chucks and accessories.

Concerning the manufacturing equipment, we have CNC computer lathes, CNC machining centers, CNC cylindrical grinding machines, CNC internal grinding machines, auto-hydraulic internal grinding machines, external grinding machines, plane grinding machines, vertical milling machines, private machines and other supporting machines.

SYIC has set up a developing department, which focuses on developing and improving products.

Each year we develop new and advanced products. At present, we own 69 Taiwan's patents and 49 overseas patents.

Our products can be categorized into NT, MT, BT (JISB6339),

DAT (DIN69871), CAT (ANSIB5.50), HSK (DIN69893), edge finder, Z axial preset gauge, 3D tester, hydraulic vice and OEM, etc. The products produced by SYIC have a considerable quality guarantee in quality and quantity. Moreover, SYIC has sales agency worldwide. Welcome old and new friends to keep on supporting and purchasing SYIC's products.



Patent License

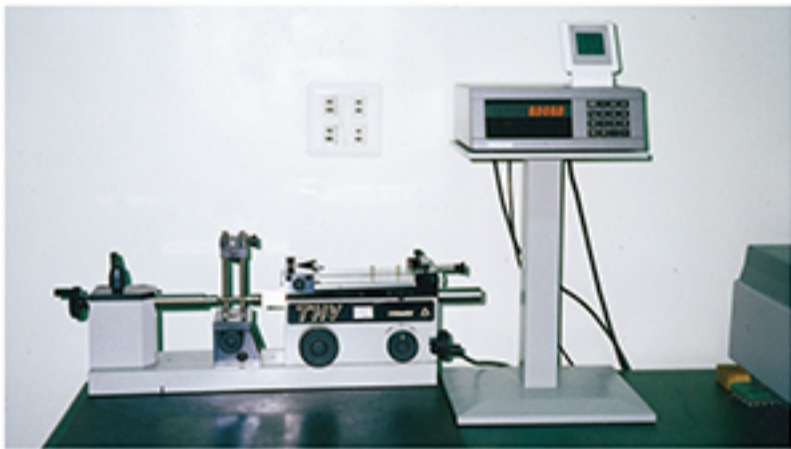




Vice-president  
Steven C.D. Chen



WATER PRESSURE TEST MACHINE



HORIZONTAL/VERTICAL MEASURING INSTRUMENT



ROUNDNESS MEASURING MACHINE



COMPUTER BALANCING MACHINE



ROUNDNESS MEASURING MACHINE





LASER MARKING MACHINE  
made in Germany



LASER MARKING MACHINE  
made in Germany



LASER MARKING MACHINE made  
locally



LASER MARKING MACHINE made  
locally



TESTING DEPARTMENT



LATHE PROCESSING DEPARTMENT



STOCK AREA





PROCESSING AREA FOR CNC  
LATHE IN 3rd FACTORY



SECOND FACTORY AND  
CNC LATHE PROCESSING DEPARTMENT



DEEP HOLE DRILL MACHINE



CNC MACHINE CENTER



CNC SPECIFIC INTERNAL GRINDING MACHINE



WIRE CUTTING-OFF MACHINE



<p>SYIC-00100</p>	<p>SYIC-00301</p>	<p>SYIC-04150</p>	<p>SYIC-04540</p>	<p>SYIC-04200</p>
<p>SYIC-04210</p>	<p>SYIC-04251</p>	<p>SYIC-04251</p>	<p>SYIC-04280</p>	<p>SYIC-04500</p>
<p>SYIC-04510</p>	<p>SYIC-04520</p>	<p>SYIC-04530</p>	<p>SYIC-04570</p>	<p>SYIC-04580</p>
<p>SYIC-04600</p>	<p>SYIC-04700</p>	<p>SYIC-04715</p>	<p>SYIC-04730</p>	
<p>SYIC-04760</p>	<p>SYIC-04800</p>	<p>SYIC-04860</p>	<p>SYIC-04900</p>	<p>SYIC-05000</p>
<p>SYIC-05200</p>	<p>SYIC-05200</p>	<p>SYIC-05320</p>	<p>SYIC-06000</p>	<p>SYIC-07100</p>
<p>SYIC-08300</p>	<p>SYIC-08400</p>	<p>SYIC-08500</p>	<p>SYIC-08650</p>	<p>SYIC-08680</p>
<p>SYIC-09200</p>	<p>SYIC-09250</p>	<p>SYIC-15900</p>	<p>SYIC-15945</p>	<p>SYIC-19480</p>
<p>SYIC-19490</p>	<p>SYIC-15950T</p>	<p>SYIC-16000</p>	<p>SYIC-16060</p>	<p>SYIC-16100</p>
















































SYIC-16300 	SYIC-16350 	SYIC-16420 	SYIC-16450 	SYIC-16500 
SYIC-16600 	SYIC-16650 	SYIC-16600BG 	SYIC-16650BG 	SYIC-17000 
SYIC-17000-B 	SYIC-17060 	SYIC-17100 	SYIC-17100-JIS 	SYIC-17200 
SYIC-17230 	SYIC-17250 	SYIC-17300 	SYIC-17315 	SYIC-17400 
SYIC-17380 	SYIC-17420 	SYIC-17500 	SYIC-17550 	SYIC-17600 
SYIC-17620 	SYIC-17630 	SYIC-17640 	SYIC-17650 	SYIC-17660 
SYIC-17680 	SYIC-17680 	SYIC-17688 	SYIC-17690 	SYIC-82700 
SYIC-82700 	SYIC-82750 	SYIC-17700 	SYIC-17710 	SYIC-17730 
SYIC-17800 	SYIC-17818 	SYIC-17850 	SYIC-17850 	SYIC-17870 



<p>SYIC-17880</p>	<p>SYIC-17890</p>	<p>SYIC-17905</p>	<p>SYIC-17906</p>	<p>SYIC-17909</p>
<p>SYIC-17908</p>	<p>SYIC-17910</p>	<p>SYIC-18000</p>	<p>SYIC-18050</p>	<p>SYIC-18200</p>
<p>SYIC-18250</p>	<p>SYIC-18300</p>	<p>SYIC-18310</p>	<p>SYIC-18330</p>	<p>SYIC-18850</p>
<p>SYIC-18851</p>	<p>SYIC-18700</p>	<p>SYIC-19000</p>	<p>SYIC-19100</p>	<p>SYIC-19200</p>
<p>SYIC-19250</p>	<p>SYIC-19460</p>	<p>SYIC-19700</p>	<p>SYIC-19982</p>	<p>SYIC-19984</p>
<p>SYIC-19986</p>	<p>SYIC-19988</p>	<p>SYIC-21000</p>	<p>SYIC-22000</p>	<p>SYIC-22200</p>
<p>SYIC-22350</p>	<p>SYIC-22400</p>	<p>SYIC-22450</p>	<p>SYIC-22500</p>	<p>SYIC-22600</p>
<p>SYIC-22700</p>	<p>SYIC-22900</p>	<p>SYIC-23000</p>	<p>SYIC-23100</p>	<p>SYIC-23200</p>
<p>SYIC-23240T</p>	<p>SYIC-23550</p>	<p>SYIC-23650</p>	<p>SYIC-23700</p>	<p>SYIC-27900</p>



SYIC-29000 	SYIC-29050 	SYIC-29200 	SYIC-29250 	SYIC-29300 	
SYIC-31000 	SYIC-31400 	SYIC-31400-E 	SYIC-31400-F 	SYIC-32390 	
SYIC-32600 	SYIC-32800 	SYIC-33100 	SYIC-33250 	SYIC-34900 	
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SYIC-35550 	SYIC-37600 	SYIC-39080 	SYIC-39130 	SYIC-39000 	
SYIC-39000-E 	SYIC-39100-E 	SYIC-38950-E 	SYIC-39100-F 	SYIC-39000-F 	SYIC-39200 
SYIC-41350 	SYIC-41400T 	SYIC-42000 	SYIC-42100 	SYIC-42200 	
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SYIC-42600 	SYIC-42650 	SYIC-42700 	SYIC-42800 	SYIC-42840 	



SYIC-42860 	SYIC-42880 	SYIC-42900 	SYIC-43000 	SYIC-44000 
SYIC-45200 	SYIC-82700 	SYIC-82700 	SYIC-45100 	SYIC-82750 
SYIC-45350 	SYIC-45400 	SYIC-47500 	SYIC-49000 	SYIC-49100 
SYIC-49050 	SYIC-49200 	SYIC-81000 	SYIC-81200 	SYIC-81400 
SYIC-81500 	SYIC-81530 	SYIC-81740 	SYIC-81745 	SYIC-81760 
SYIC-82010 	SYIC-82015 	SYIC-82040 	SYIC-82060 	SYIC-82110 
SYIC-82150 	SYIC-82215 	SYIC-82220 	SYIC-82230 	SYIC-82600 
SYIC-82700 	SYIC-82700 	SYIC-82550 	SYIC-82750 	SYIC-82790 
SYIC-82710 	SYIC-82730 	SYIC-82800 	SYIC-82850 	SYIC-82900 



SYIC-83200 	SYIC-83360 	SYIC-83300 	SYIC-83310 	SYIC-83320 	
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SYIC-83780 	SYIC-83800 	SYIC-83800 	SYIC-83920 	SYIC-84000 	
SYIC-84012 	SYIC-84018 	SYIC-84020 	SYIC-84050 	SYIC-84070 	
SYIC-84070 	SYIC-84120 	SYIC-84130 	SYIC-84140 	SYIC-85900 	
SYIC-85930 	SYIC-86000 	SYIC-86100 	SYIC-86200 	SYIC-86250 	
SYIC-86300 	SYIC-86800 	SYIC-86850 	SYIC-87240 	SYIC-87250 	
SYIC-87255 	SYIC-87260 	SYIC-87265 	SYIC-89800 	SYIC-89900 	



# **TOOL HOLDERS FOR ICTM**

Interface Committee for Turning Mill

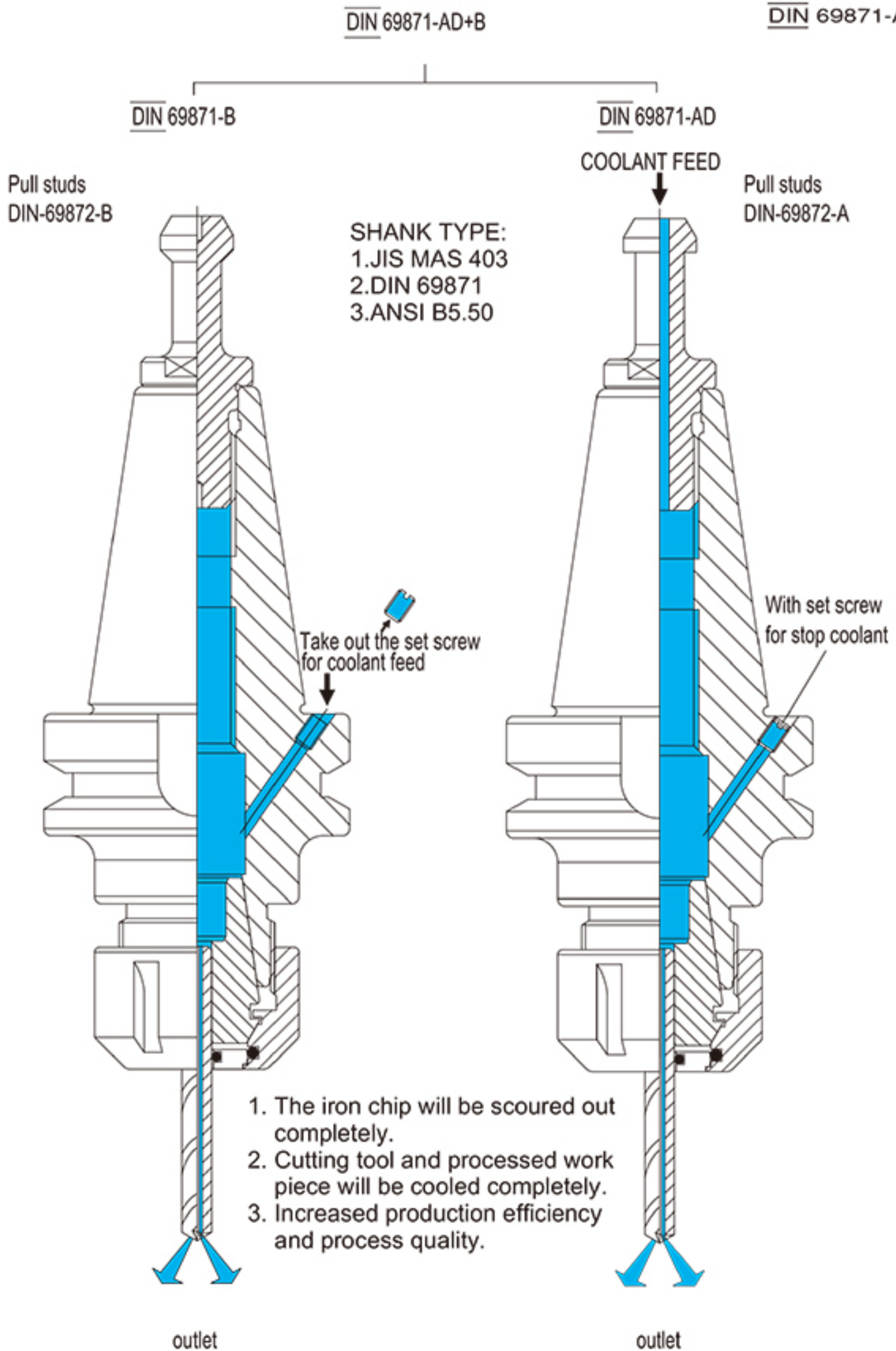


**SHANK TYPE : HSK 25 / 32 / 40 / 50 / 63 / 100 / A**

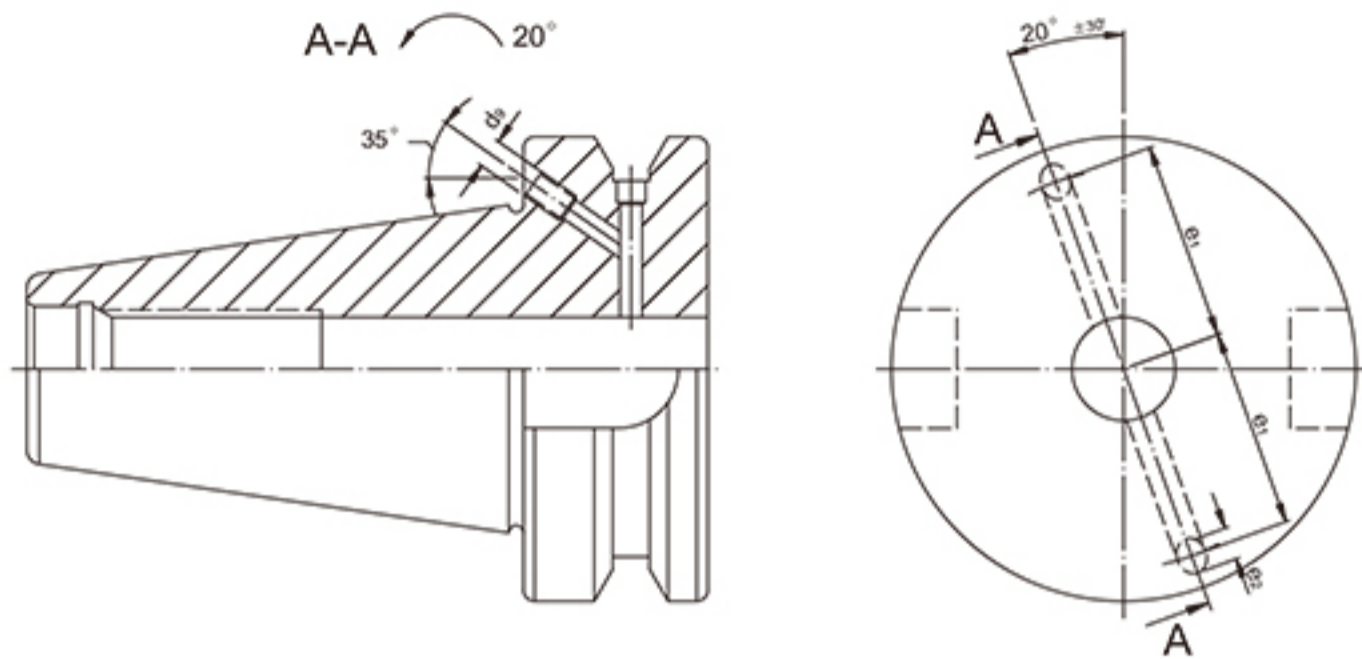
1. Milling Tool Holder
2. Threading Tool Holder
3. Turning Tool Holder
4. Grooving Tool Holder



With coolant thru center also with coolant thru the flange.







TYPE	d9	e1 ±0.1	e2 MAX
BT 40	4	27	5
BT 50	6	42	7

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 < 0.5 μ m.
6. The shank has pre-balance at G6.3, and can provided precision balance at G2.5, made by request.
7. Shank body standard: MAS 403-AD+B



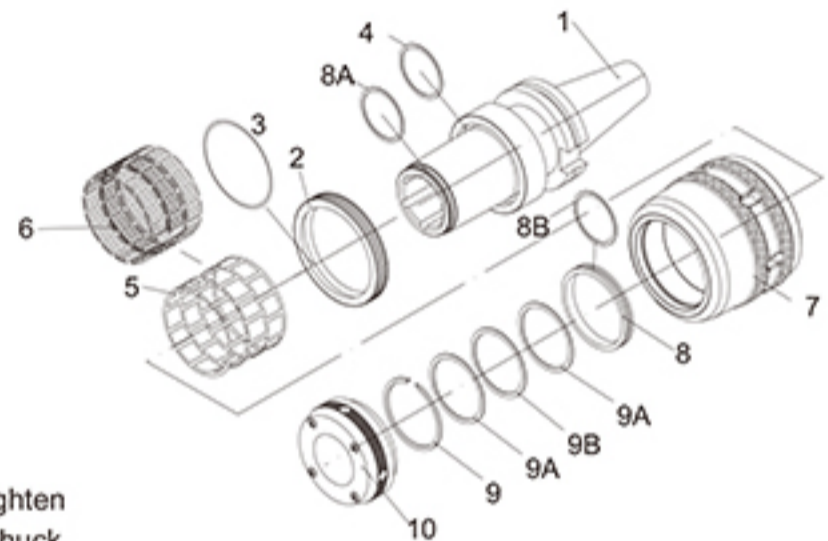
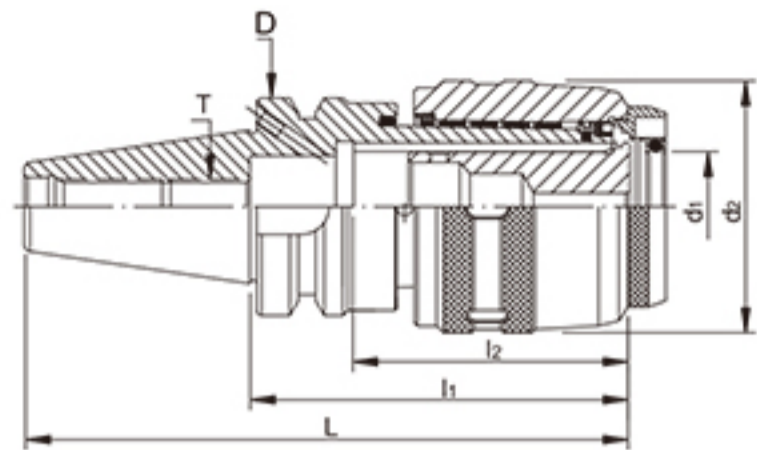


# STRAIGHT COLLET BT MULTI-LOCK COLLET CHUCK DOUBLE FACE CONTACT TYPE

with coolant feed type

## SYIC-15900-AD+B

## BT / MLD 直式筒夾 銑床夾頭

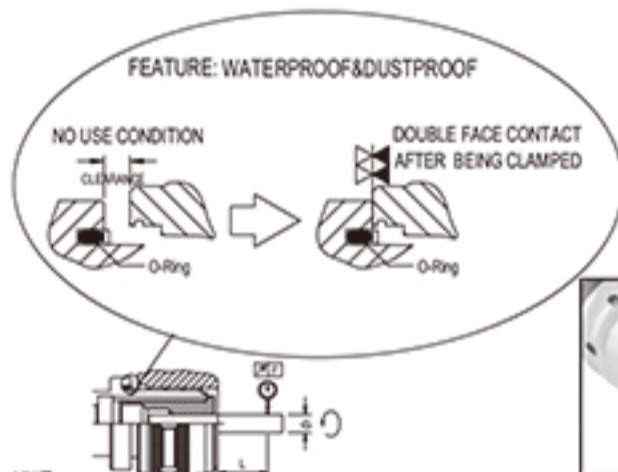


### SLITTING

In that case end mill shank or collet have oil or chips, divide the slitting into six in order to prevent slipping and to grip exactly.

### NEEDLE BEARING

It adopts two line arrangement in order to minimize rolling friction and to slip during slide by taper side.



### Benefit:

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



NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	8	Coolant Ring
2	Screw	8A	Oil Seal
3	Oil Seal	8B	Oil Seal
4	Oil Seal	9	Retaining Ring
5	Bearing Cage	9A	washer
6	Needle Roller	9B	Oil Seal
7	Chuck Nut	10	Clamping End Cap

UNIT:mm

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

• 4 adjustable coolant ports for directing coolant.

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

- Straight shank coolant collet see.SYIC-19460
- MLD coolant Nut see.SYIC-19480
- MLD SET SCREW See.SYIC-15945

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

MODEL NO	TYPE	L	l <sub>1</sub>	l <sub>2</sub>	T	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC - 15912 -AD+B	BT40CxMLD20-80	145.4	80	55	M16x2.0P	63	20	55	2.3
SYIC - 15914 -AD+B	BT40CxMLD20-100	165.4	100						2.5
SYIC - 15916 -AD+B	BT40CxMLD20-135	200.4	135				2.8		
SYIC - 15918 -AD+B	BT40CxMLD25-80	172.4	80				2.8		
SYIC - 15920 -AD+B	BT40CxMLD25-100	192.4	100	65	M16x2.0P	63	25	60	2.9
SYIC - 15922 -AD+B	BT40CxMLD32-95	187.4	95						2.7
SYIC - 15924 -AD+B	BT40CxMLD32-105	197.4	105				2.7		
SYIC - 15926 -AD+B	BT40CxMLD32-135	227.4	135	55	M24x3.0P	100	20	55	3.0
SYIC - 15928 -AD+B	BT50CxMLD20-105	244.8	105						4.5
SYIC - 15930 -AD+B	BT50CxMLD20-150	289.8	150				4.9		
SYIC - 15932 -AD+B	BT50CxMLD25-105	244.8	105				4.9		
SYIC - 15934 -AD+B	BT50CxMLD25-135	289.8	135	65	M24x3.0P	100	25	60	5.0
SYIC - 15936 -AD+B	BT50CxMLD32-135	289.8	135						5.2
SYIC - 15938 -AD+B	BT50CxMLD32-165	304.8	165				5.9		





STRAIGHT SHANK

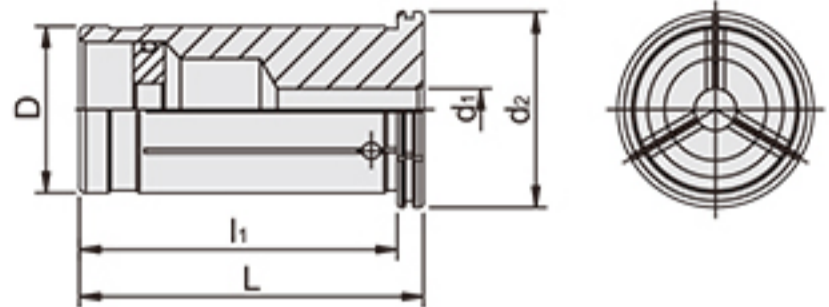
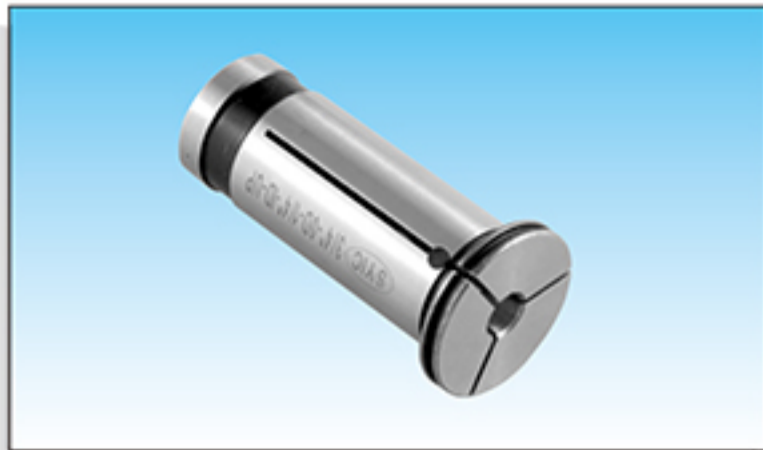
# COLLET

FOR MLD/SHY MILLING CHUCK

## SYIC-19460

直式止水筒夾

DIN 69871-AD+B



MODEL NO	TYPE	D	d <sub>1</sub>	d <sub>2</sub>	L	l <sub>1</sub>	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

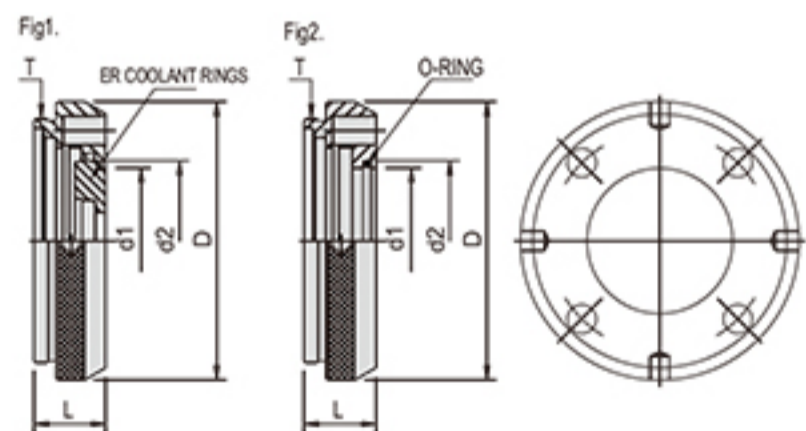
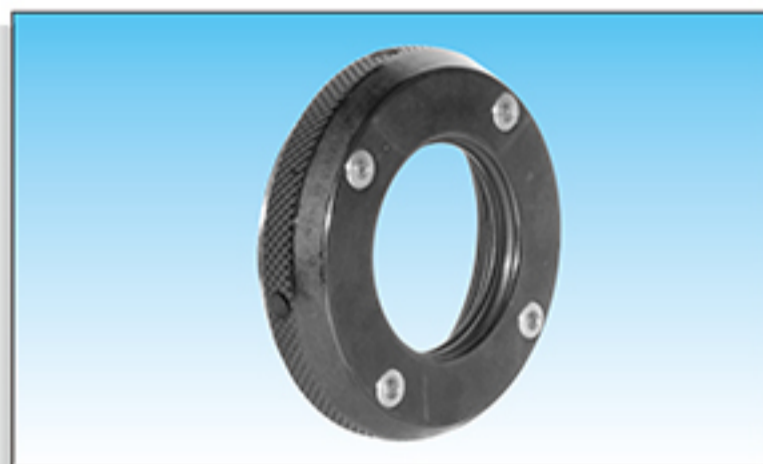


# MLD COOLANT NUT

Without coolant hole

## SYIC-19480

MLD 給水螺帽



MODEL NO	TYPE	L	D	d <sub>1</sub>	d <sub>2</sub>	T	COOLANT RINGS		Fig	WEIGHT (K G B)
							RANGE	USE ER COOLANT RINGS		
SYIC-19482	MLD20	14	43	19.1	21	M36x0.5P	φ 3 ~ φ 16	See.SYIC-08525	1	0.28
				20	24.6		φ 20	-	2	
SYIC-19483	MLD25	14	51	24	27	M42x0.5P	φ 3 ~ φ 20	See.SYIC-08532	1	0.29
				25	28		φ 25	-	2	
SYIC-19484	MLD32	15	58	30.5	33.4	M51x0.5P	φ 3 ~ φ 26	See.SYIC-08540	1	0.29
				32	39		φ 32	-	2	
SYIC-19486	MLD3/4"	14	43	19.1	21	M36x0.5P	φ 1/8" ~ 5/8"	See.SYIC-08525	1	0.28
				19.05	22.05		φ 3/4"	-	2	
SYIC-19487	MLD1"	14	51	24	27	M42x0.5P	φ 1/8" ~ φ 3/4"	See.SYIC-08532	1	0.29
				25.4	28.4		φ 1"	-	2	
SYIC-19488	MLD1-1/4"	15	58	30.5	33.4	M51x0.5P	φ 1/8" ~ φ 1"	See.SYIC-08540	1	0.29
				31.75	38.75		φ 1-1/4"	-	2	





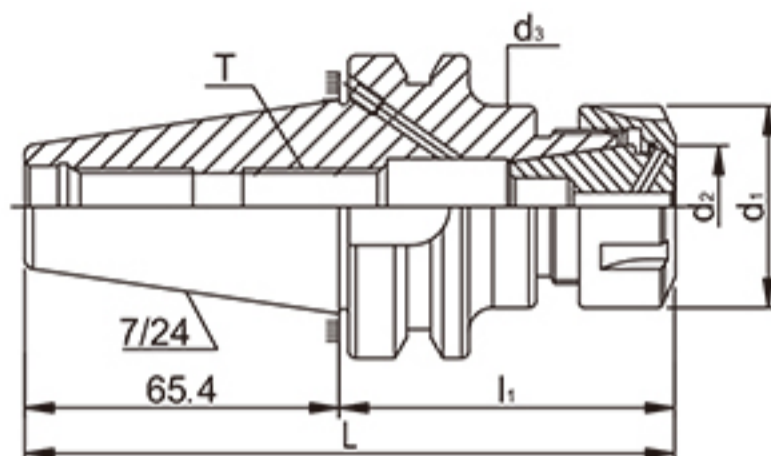
# BT/ER COLLET CHUCK

with coolant feed type

## SYIC-16150-AD+B

BT / ER 立銑刀夾頭

DIN 69871-AD+B



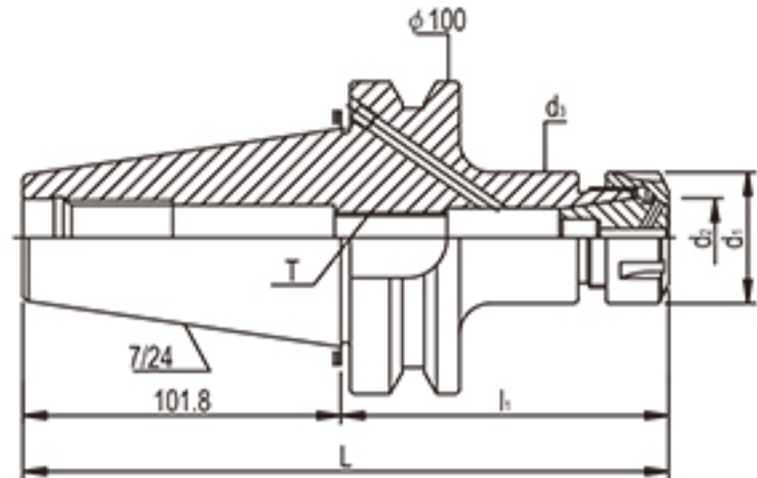
- ER collet chuck please see .SYIC-08300
- ER coolant Nut please see .SYIC-08400
- coolant rings please see .SYIC-08500
- With coolant feed.
- Thread with precision ground
- The length (l1) which small than 100mm with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5 made on request.

MODEL NO	TYPE	L	l <sub>1</sub>	d <sub>1</sub>	d <sub>2</sub> ER	d <sub>3</sub>	T	WEIGHT (K G S)
SYIC - 16151 -AD+B	BT40CxER16A-70	135.4	70	28	16	28	M10x1.5 P	1.20
SYIC - 16153 -AD+B	BT40CxER16A-100	165.4	100					1.30
SYIC - 16155 -AD+B	BT40CxER16A-125	190.4	125					1.36
SYIC - 16157 -AD+B	BT40CxER16A-150	215.4	150					1.54
SYIC - 16158 -AD+B	BT40CxER16A-180	245.4	150					2.00
SYIC - 16159 -AD+B	BT40CxER20A-70	135.4	70	34	20	34	M12x1.75P	1.40
SYIC - 16162 -AD+B	BT40CxER20A-100	165.4	100					1.50
SYIC - 16165 -AD+B	BT40CxER20A-135	200.4	135					1.70
SYIC - 16167 -AD+B	BT40CxER20A-150	215.4	150					1.80
SYIC - 16169 -AD+B	BT40CxER25 -70	135.4	70	42	25	42	M16x2.0 P	1.30
SYIC - 16171 -AD+B	BT40CxER25 -100	155.4	100					1.50
SYIC - 16173 -AD+B	BT40CxER25 -125	190.4	125					1.90
SYIC - 16175 -AD+B	BT40CxER25 -150	215.4	150					2.25
SYIC - 16177 -AD+B	BT40CxER32 -70	135.4	70	50	32	45	M16x2.0 P	1.30
SYIC - 16179 -AD+B	BT40CxER32 -100	165.4	100					1.70
SYIC - 16181 -AD+B	BT40CxER32 -150	215.4	150					2.50
SYIC - 16183 -AD+B	BT40CxER40 -80	145.4	80	63	40	53	M20x2.0 P	1.50
SYIC - 16185 -AD+B	BT40CxER40 -100	165.4	100					2.05
SYIC - 16187 -AD+B	BT40CxER40 -120	185.4	120					2.50
SYIC - 16189 -AD+B	BT40CxER40 -150	215.4	150					3.10
SYIC - 16191 -AD+B	BT40CxER50 -85	145.4	85	78	50	60	M24x2.0 P	1.70
SYIC - 16193 -AD+B	BT40CxER50 -100	165.4	100					2.10



## SYIC-16250-AD+B

## BT / ER 立銑刀夾頭



- With coolant feed.
- ER collet chuck please see .SYIC-08300  
ER coolant Nut please see .SYIC-08400  
coolant rings please see .SYIC-08500
- Thread with precision ground
- The length (l1) which small than 100mm with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5 made on request.

MODEL NO	TYPE	L	l <sub>1</sub>	d <sub>1</sub>	d <sub>2</sub> ER	d <sub>3</sub>	T	WEIGHT (K G S)
SYIC - 16251-AD+B	BT50CxER16A-70	171.8	70	28	16	28	M10x1.5P	4.20
SYIC - 16252-AD+B	BT50CxER16A-90	191.8	90					4.05
SYIC - 16253-AD+B	BT50CxER16A-105	206.8	105					4.30
SYIC - 16254-AD+B	BT50CxER16A-135	236.8	135					4.40
SYIC - 16255-AD+B	BT50CxER16A-150	251.8	150					4.50
SYIC - 16259-AD+B	BT50CxER16A-165	266.8	165					4.50
SYIC - 16261-AD+B	BT50CxER20A-70	171.8	70	34	20	34	M12x1.75P	4.20
SYIC - 16263-AD+B	BT50CxER20A-90	191.8	90					4.25
SYIC - 16265-AD+B	BT50CxER20A-105	206.8	105					4.30
SYIC - 16267-AD+B	BT50CxER20A-135	236.8	135					4.55
SYIC - 16269-AD+B	BT50CxER20A-150	251.8	150					4.70
SYIC - 16171-AD+B	BT50CxER20A-165	266.8	165					4.80
SYIC - 16172-AD+B	BT50CxER20A-200	301.8	200	42	25	42	M16x2.0P	4.90
SYIC - 16273-AD+B	BT50CxER25 -70	171.8	70					4.20
SYIC - 16275-AD+B	BT50CxER25 -105	206.8	105					4.40
SYIC - 16277-AD+B	BT50CxER25 -135	236.8	135					4.70
SYIC - 16279-AD+B	BT50CxER25 -165	266.8	165					5.00
SYIC - 16281-AD+B	BT50CxER32 -80	181.8	80					50
SYIC - 16282-AD+B	BT50CxER32 -100	201.8	100	4.80				
SYIC - 16283-AD+B	BT50CxER32 -120	221.8	120	4.90				
SYIC - 16284-AD+B	BT50CxER32 -150	251.8	150	5.30				
SYIC-16284-200-AD+B	BT50CxER32 -200	301.8	200	5.50				
SYIC - 16285-AD+B	BT50CxER40 -80	128.4	80	63	40	63	M20x2.0P	
SYIC - 16286-AD+B	BT50CxER40 -100	201.8	100					4.40
SYIC - 16287-AD+B	BT50CxER40 -120	221.8	120					5.20
SYIC - 16289-AD+B	BT50CxER40 -135	236.8	135					5.50
SYIC - 16291-AD+B	BT50CxER50 -90	191.8	90	78	50	78	M24x2.0P	4.60
SYIC - 16293-AD+B	BT50CxER50 -120	221.8	120					5.50
SYIC - 16295-AD+B	BT50CxER50 -165	266.8	165					6.10





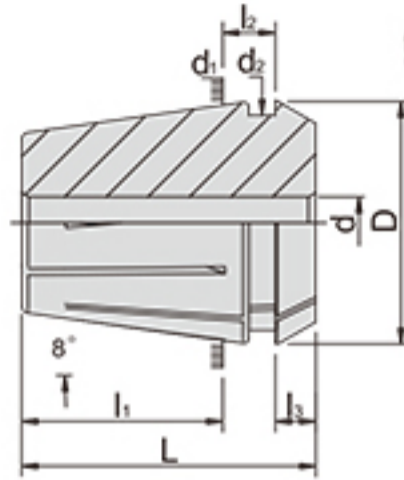
# STEEL SEALED COLLET

## SYIC-04540

### ER 斜槽止水筒夾



PAT. NO : M285418  
PAT. NO : M311516  
PAT. NO : 3124650  
PAT. NO : 696264



MODEL NO	TYPE	SIZE RANGE	D	d1	L	l1	l2	l3	WEIGHT (KGS)
SYIC-04543	ER 16	3.0~10.0	17	16	27.5	20.8	6.25	4	0.03
SYIC-04544	ER 20	3.0~13.0	21	20	31.5	23.9	6.36	4.8	0.04
SYIC-04545	ER 25	3.0~16.0	26	25	34	25.9	6.66	5	0.06
SYIC-04546	ER 32	3.0~20.0	33	32	40	30.9	7.16	5.5	0.10
SYIC-04547	ER 40	3.0~26.0	41	40	46	34.9	7.66	7	0.25



# ER COOLANT COLLET

## SYIC-08300

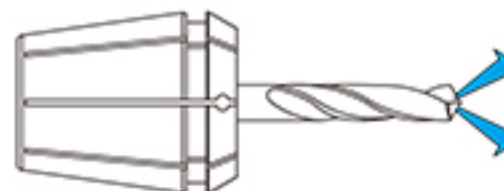
### ER 止水筒夾



PAT. NO. M285418  
PAT. NO. 67748

- Steel : SUJ2
- HRC 46°
- Taper 8°

- Take use of the difference of flute and the use of sealed ring to attain surrounding coolant and provide center as water outlet.
- Useful to chuck cutting tools with water outlet.
- Can bear the water pressure up to 21 kgf/cm<sup>2</sup>.
- No flexibility (No flexible chucking range. It depends on the biggest chucking range).
- Non-standard type, such as inch type or decimal type, are welcomed to order.
- The ER part of the product is according to DIN-6499. It can be used with suitable tool holders.
- Has a patent.





## SYIC-08300

## ER 止水筒夾

ER16 COOLANT COLLET	
MODEL NO	HOLE SIZE
SYIC - 08316 - 03.0	3
SYIC - 08316 - 04.0	4
SYIC - 08316 - 05.0	5
SYIC - 08316 - 06.0	6
SYIC - 08316 - 07.0	7
SYIC - 08316 - 08.0	8
SYIC - 08316 - 09.0	9
SYIC - 08316 - 10.0	10

ER20 COOLANT COLLET	
MODEL NO	HOLE SIZE
SYIC - 08320 - 03.0	3
SYIC - 08320 - 04.0	4
SYIC - 08320 - 05.0	5
SYIC - 08320 - 06.0	6
SYIC - 08320 - 07.0	7
SYIC - 08320 - 08.0	8
SYIC - 08320 - 09.0	9
SYIC - 08320 - 10.0	10
SYIC - 08320 - 11.0	11
SYIC - 08320 - 12.0	12
SYIC - 08320 - 13.0	13

ER40 COOLANT COLLET	
MODEL NO	HOLE SIZE
SYIC - 08340 - 03.0	3
SYIC - 08340 - 04.0	4
SYIC - 08340 - 05.0	5
SYIC - 08340 - 06.0	6
SYIC - 08340 - 07.0	7
SYIC - 08340 - 08.0	8
SYIC - 08340 - 09.0	9
SYIC - 08340 - 10.0	10
SYIC - 08340 - 11.0	11
SYIC - 08340 - 12.0	12
SYIC - 08340 - 13.0	13
SYIC - 08340 - 14.0	14
SYIC - 08340 - 15.0	15
SYIC - 08340 - 16.0	16
SYIC - 08340 - 17.0	17
SYIC - 08340 - 18.0	18
SYIC - 08340 - 19.0	19
SYIC - 08340 - 20.0	20
SYIC - 08340 - 21.0	21
SYIC - 08340 - 22.0	22
SYIC - 08340 - 23.0	23
SYIC - 08340 - 24.0	24
SYIC - 08340 - 25.0	25
SYIC - 08340 - 26.0	26

ER32 COOLANT COLLET	
MODEL NO	HOLE SIZE
SYIC - 08332 - 03.0	3
SYIC - 08332 - 04.0	4
SYIC - 08332 - 05.0	5
SYIC - 08332 - 06.0	6
SYIC - 08332 - 07.0	7
SYIC - 08332 - 08.0	8
SYIC - 08332 - 09.0	9
SYIC - 08332 - 10.0	10
SYIC - 08332 - 11.0	11
SYIC - 08332 - 12.0	12
SYIC - 08332 - 13.0	13
SYIC - 08332 - 14.0	14
SYIC - 08332 - 15.0	15
SYIC - 08332 - 16.0	16
SYIC - 08332 - 17.0	17
SYIC - 08332 - 18.0	18
SYIC - 08332 - 19.0	19
SYIC - 08332 - 20.0	20

ER25 COOLANT COLLET	
MODEL NO	HOLE SIZE
SYIC - 08325 - 03.0	3
SYIC - 08325 - 04.0	4
SYIC - 08325 - 05.0	5
SYIC - 08325 - 06.0	6
SYIC - 08325 - 07.0	7
SYIC - 08325 - 08.0	8
SYIC - 08325 - 09.0	9
SYIC - 08325 - 10.0	10
SYIC - 08325 - 11.0	11
SYIC - 08325 - 12.0	12
SYIC - 08325 - 13.0	13
SYIC - 08325 - 14.0	14
SYIC - 08325 - 15.0	15
SYIC - 08325 - 16.0	16

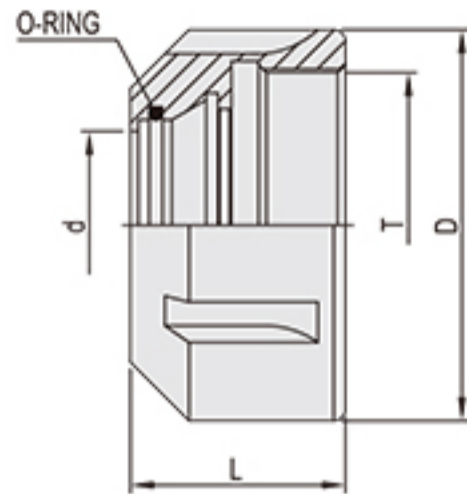
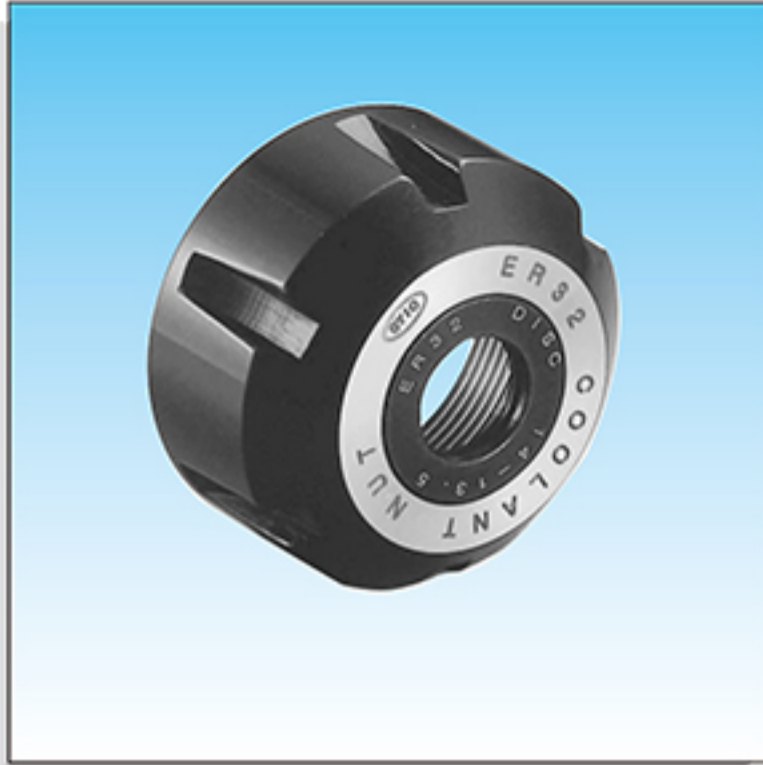




# ER COOLANT NUT

## SYIC-08400

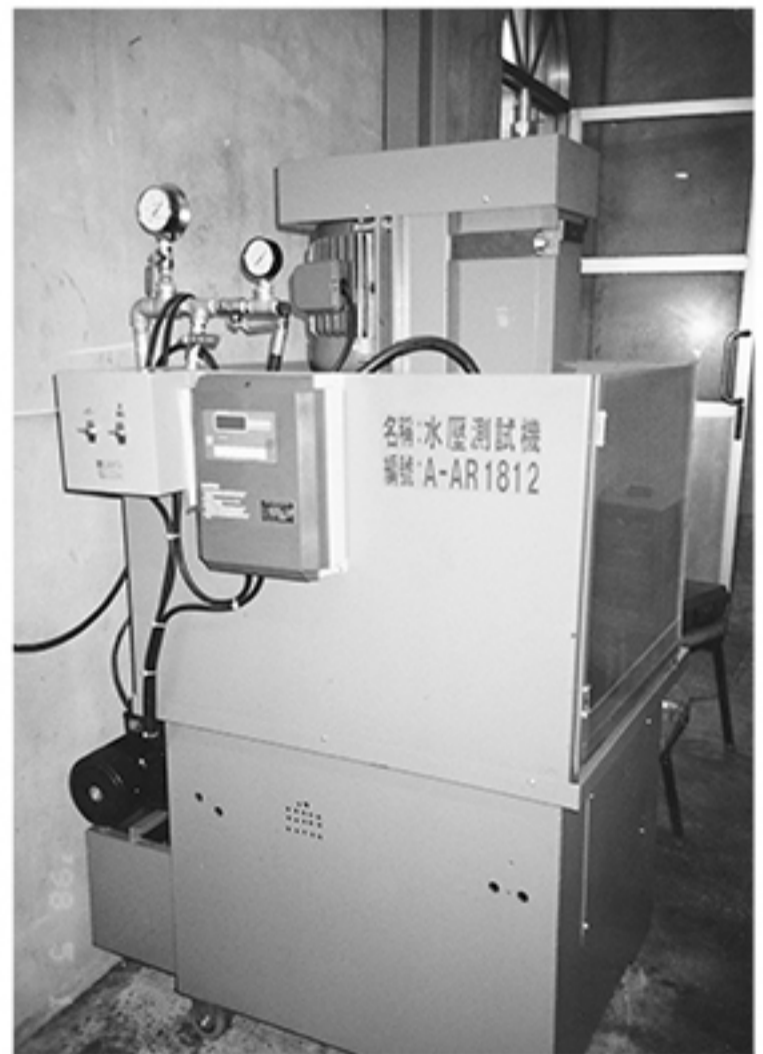
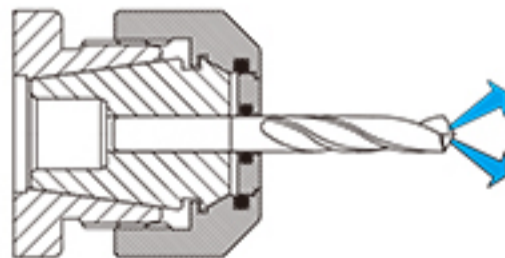
## ER 止水螺帽



- Material: SNCM-220
- Hardness: HRC52°
- The thread and 30° taper are processed one time, which can ensure the tolerance of the precision and thread is first-class thread 4H.
- When using, please put the coolant ring into the coolant nut first, then put the collet into the nut. At last, put the nut with the collet into the body together.

### Qualities:

- Take use of the combination of the nut and sealed ring to attain surrounding coolant and provide the center as water outlet. It can avoid the chips and has a patent.
- It can be used as a standard nut when it's not matched with the coolant ring.
- Can bear the water pressure up to 21 kgf/cm<sup>2</sup>.
- Pass the test of water pressure examination.
- Its spanner is the same as ER system.
- Has a patent.



MODEL NO	TYPE	D	d	L	T	WEIGHT (KGS)
SYIC - 08416	ER 16 - CO	28	11	22.5	M22 × 1.5P	0.05
SYIC - 08420	ER 20 - CO	34	14	24	M25 × 1.5P	0.07
SYIC - 08425	ER 25 - CO	42	19	25	M32 × 1.5P	0.10
SYIC - 08432	ER 32 - CO	50	24	27.5	M40 × 1.5P	0.15
SYIC - 08440	ER 40 - CO	63	30	30.5	M50 × 1.5P	0.27



## SYIC-08500



- No flexibility (No flexible chucking range. It depends on the biggest chucking range).

## ER 止水環

- Can bear the water pressure up to 21 kgf/cm<sup>2</sup>.
- Can avoid the chips.
- When the coolant ring is matched with the coolant nut, the function is the same as coolant collet.

ER16 COOLANT RINGS			
MODEL NO	RANGE	MODEL NO	RANGE
SYIC - 08516 - 03.5	3.5 - 3.0	SYIC - 08516 - 07.0	7.0 - 6.5
SYIC - 08516 - 04.0	4.0 - 3.5	SYIC - 08516 - 07.5	7.5 - 7.0
SYIC - 08516 - 04.5	4.5 - 4.0	SYIC - 08516 - 08.0	8.0 - 7.5
SYIC - 08516 - 05.0	5.0 - 4.5	SYIC - 08516 - 08.5	8.5 - 8.0
SYIC - 08516 - 05.5	5.5 - 5.0	SYIC - 08516 - 09.0	9.0 - 8.5
SYIC - 08516 - 06.0	6.0 - 5.5	SYIC - 08516 - 09.5	9.5 - 9.0
SYIC - 08516 - 06.5	6.5 - 6.0	SYIC - 08516 - 10.0	10.0 - 9.5

ER25 COOLANT RINGS			
MODEL NO	RANGE	MODEL NO	RANGE
SYIC - 08525 - 03.5	3.5 - 3.0	SYIC - 08525 - 10.0	10.0 - 9.5
SYIC - 08525 - 04.0	4.0 - 3.5	SYIC - 08525 - 10.5	10.5 - 10.0
SYIC - 08525 - 04.5	4.5 - 4.0	SYIC - 08525 - 11.0	11.0 - 10.5
SYIC - 08525 - 05.0	5.0 - 4.5	SYIC - 08525 - 11.5	11.5 - 11.0
SYIC - 08525 - 05.5	5.5 - 5.0	SYIC - 08525 - 12.0	12.0 - 11.5
SYIC - 08525 - 06.0	6.0 - 5.5	SYIC - 08525 - 12.5	12.5 - 12.0
SYIC - 08525 - 06.5	6.5 - 6.0	SYIC - 08525 - 13.0	13.0 - 12.5
SYIC - 08525 - 07.0	7.0 - 6.5	SYIC - 08525 - 13.5	13.5 - 13.0
SYIC - 08525 - 07.5	7.5 - 7.0	SYIC - 08525 - 14.0	14.0 - 13.5
SYIC - 08525 - 08.0	8.0 - 7.5	SYIC - 08525 - 14.5	14.5 - 14.0
SYIC - 08525 - 08.5	8.5 - 8.0	SYIC - 08525 - 15.0	15.0 - 14.5
SYIC - 08525 - 09.0	9.0 - 8.5	SYIC - 08525 - 15.5	15.5 - 15.0
SYIC - 08525 - 09.5	9.5 - 9.0	SYIC - 08525 - 16.0	16.0 - 15.5

ER40 COOLANT RINGS							
MODEL NO	RANGE	MODEL NO	RANGE	MODEL NO	RANGE	MODEL NO	RANGE
SYIC - 08540 - 03.5	3.5 - 3.0	SYIC - 08540 - 09.5	9.5 - 9.0	SYIC - 08540 - 15.5	15.5 - 15.0	SYIC - 08540 - 21.5	21.5 - 21.0
SYIC - 08540 - 04.0	4.0 - 3.5	SYIC - 08540 - 10.0	10.0 - 9.5	SYIC - 08540 - 16.0	16.0 - 15.5	SYIC - 08540 - 22.0	22.0 - 21.5
SYIC - 08540 - 04.5	4.5 - 4.0	SYIC - 08540 - 10.5	10.5 - 10.0	SYIC - 08540 - 16.5	16.5 - 16.0	SYIC - 08540 - 22.5	22.5 - 22.0
SYIC - 08540 - 05.0	5.0 - 4.5	SYIC - 08540 - 11.0	11.0 - 10.5	SYIC - 08540 - 17.0	17.0 - 16.5	SYIC - 08540 - 23.0	23.0 - 22.5
SYIC - 08540 - 05.5	5.5 - 5.0	SYIC - 08540 - 11.5	11.5 - 11.0	SYIC - 08540 - 17.5	17.5 - 17.0	SYIC - 08540 - 23.5	23.5 - 23.0
SYIC - 08540 - 06.0	6.0 - 5.5	SYIC - 08540 - 12.0	12.0 - 11.5	SYIC - 08540 - 18.0	18.0 - 17.5	SYIC - 08540 - 24.0	24.0 - 23.5
SYIC - 08540 - 06.5	6.5 - 6.0	SYIC - 08540 - 12.5	12.5 - 12.0	SYIC - 08540 - 18.5	18.5 - 18.0	SYIC - 08540 - 24.5	24.5 - 24.0
SYIC - 08540 - 07.0	7.0 - 6.5	SYIC - 08540 - 13.0	13.0 - 12.5	SYIC - 08540 - 19.0	19.0 - 18.5	SYIC - 08540 - 25.0	25.0 - 24.5
SYIC - 08540 - 07.5	7.5 - 7.0	SYIC - 08540 - 13.5	13.5 - 13.0	SYIC - 08540 - 19.5	19.5 - 19.0	SYIC - 08540 - 25.5	25.5 - 25.0
SYIC - 08540 - 08.0	8.0 - 7.5	SYIC - 08540 - 14.0	14.0 - 13.5	SYIC - 08540 - 20.0	20.0 - 19.5	SYIC - 08540 - 26.0	26.0 - 25.5
SYIC - 08540 - 08.5	8.5 - 8.0	SYIC - 08540 - 14.5	14.5 - 14.0	SYIC - 08540 - 20.5	20.5 - 20.0		
SYIC - 08540 - 09.0	9.0 - 8.5	SYIC - 08540 - 15.0	15.0 - 14.5	SYIC - 08540 - 21.0	21.0 - 20.5		

ER20 COOLANT RINGS			
MODEL NO	RANGE	MODEL NO	RANGE
SYIC - 08520 - 03.5	3.5 - 3.0	SYIC - 08520 - 08.5	8.5 - 8.0
SYIC - 08520 - 04.0	4.0 - 3.5	SYIC - 08520 - 09.0	9.0 - 8.5
SYIC - 08520 - 04.5	4.5 - 4.0	SYIC - 08520 - 09.5	9.5 - 9.0
SYIC - 08520 - 05.0	5.0 - 4.5	SYIC - 08520 - 10.0	10.0 - 9.5
SYIC - 08520 - 05.5	5.5 - 5.0	SYIC - 08520 - 10.5	10.5 - 10.0
SYIC - 08520 - 06.0	6.0 - 5.5	SYIC - 08520 - 11.0	11.0 - 10.5
SYIC - 08520 - 06.5	6.5 - 6.0	SYIC - 08520 - 11.5	11.5 - 11.0
SYIC - 08520 - 07.0	7.0 - 6.5	SYIC - 08520 - 12.0	12.0 - 11.5
SYIC - 08520 - 07.5	7.5 - 7.0	SYIC - 08520 - 12.5	12.5 - 12.0
SYIC - 08520 - 08.0	8.0 - 7.5	SYIC - 08520 - 13.0	13.0 - 12.5

ER32 COOLANT RINGS			
MODEL NO	RANGE	MODEL NO	RANGE
SYIC - 08532 - 03.5	3.5 - 3.0	SYIC - 08532 - 12.0	12.0 - 11.5
SYIC - 08532 - 04.0	4.0 - 3.5	SYIC - 08532 - 12.5	12.5 - 12.0
SYIC - 08532 - 04.5	4.5 - 4.0	SYIC - 08532 - 13.0	13.0 - 12.5
SYIC - 08532 - 05.0	5.0 - 4.5	SYIC - 08532 - 13.5	13.5 - 13.0
SYIC - 08532 - 05.5	5.5 - 5.0	SYIC - 08532 - 14.0	14.0 - 13.5
SYIC - 08532 - 06.0	6.0 - 5.5	SYIC - 08532 - 14.5	14.5 - 14.0
SYIC - 08532 - 06.5	6.5 - 6.0	SYIC - 08532 - 15.0	15.0 - 14.5
SYIC - 08532 - 07.0	7.0 - 6.5	SYIC - 08532 - 15.5	15.5 - 15.0
SYIC - 08532 - 07.5	7.5 - 7.0	SYIC - 08532 - 16.0	16.0 - 15.5
SYIC - 08532 - 08.0	8.0 - 7.5	SYIC - 08532 - 16.5	16.5 - 16.0
SYIC - 08532 - 08.5	8.5 - 8.0	SYIC - 08532 - 17.0	17.0 - 16.5
SYIC - 08532 - 09.0	9.0 - 8.5	SYIC - 08532 - 17.5	17.5 - 17.0
SYIC - 08532 - 09.5	9.5 - 9.0	SYIC - 08532 - 18.0	18.0 - 17.5
SYIC - 08532 - 10.0	10.0 - 9.5	SYIC - 08532 - 18.5	18.5 - 18.0
SYIC - 08532 - 10.5	10.5 - 10.0	SYIC - 08532 - 19.0	19.0 - 18.5
SYIC - 08532 - 11.0	11.0 - 10.5	SYIC - 08532 - 19.5	19.5 - 19.0
SYIC - 08532 - 11.5	11.5 - 11.0	SYIC - 08532 - 20.0	20.0 - 19.5





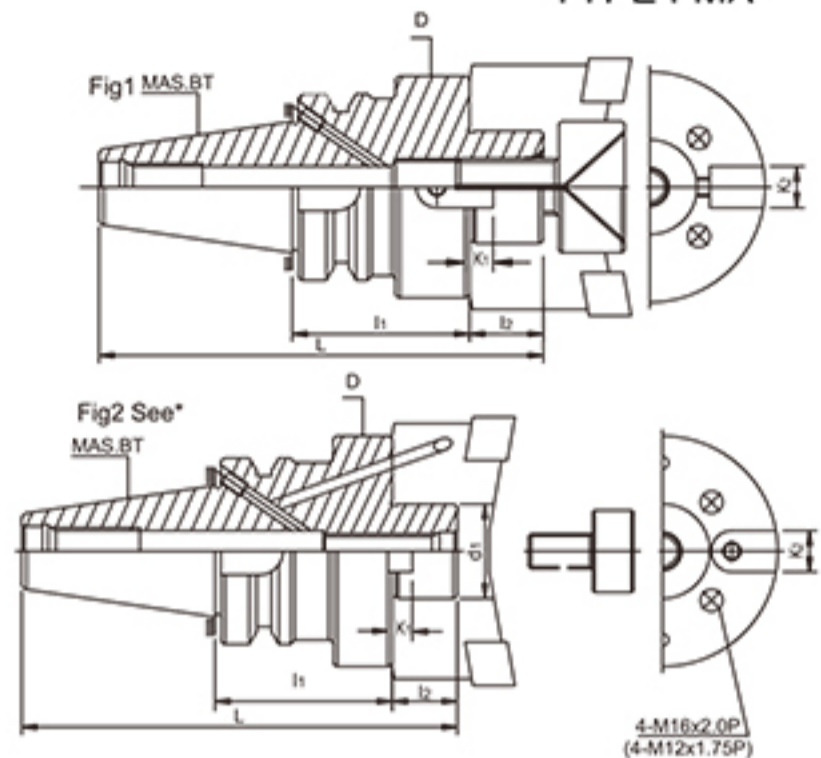
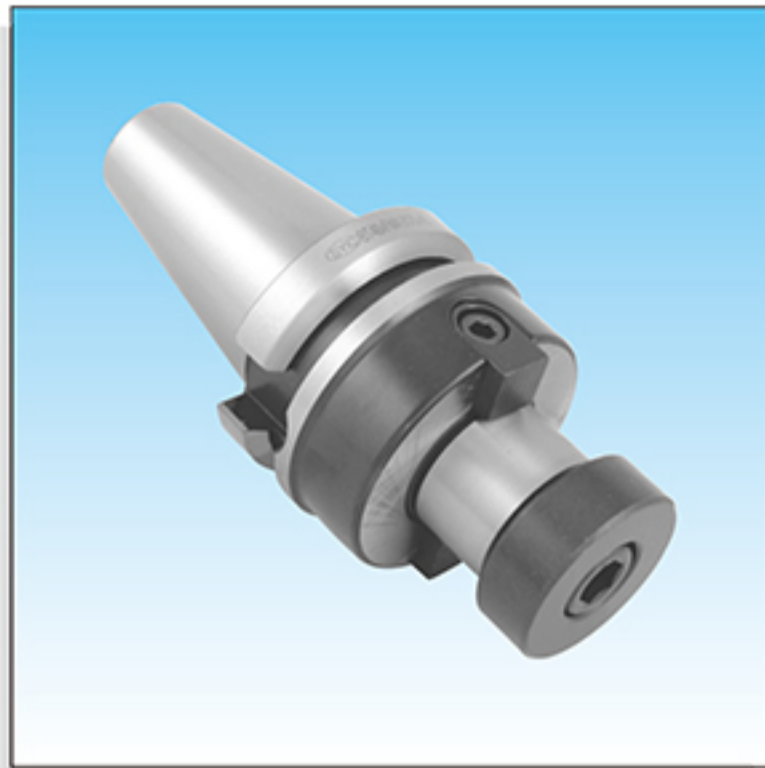
# BT FACE MILL ARBOR

with coolant feed type

## SYIC-16600-AD+B

## BT / FMA 平面銑刀柄

DIN 69871-AD+B  
TYPE FMA



Please indicate the way of coolant feed of Face Cutter when ordering.

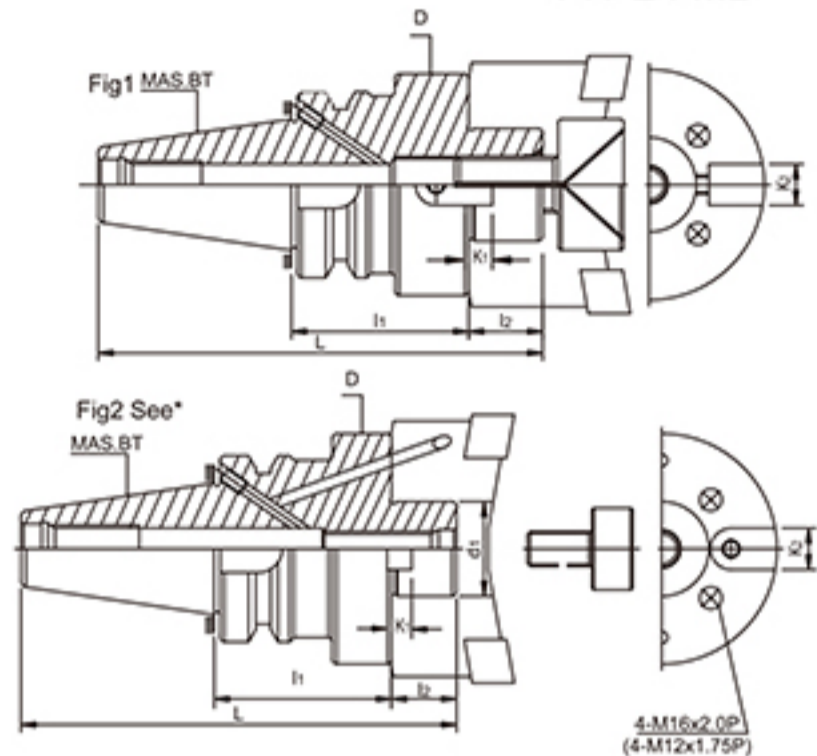
MODEL NO	TYPE	d <sub>1</sub>	l <sub>1</sub>	D	d <sub>2</sub>	L	l <sub>1</sub>	K <sub>1</sub>	K <sub>2</sub>	WEIGHT (K G S)
SYIC - 16615 -AD+B	BT40CxFMA25.4 -45	25.40	45	50	31.5	130.4	20	4.52	9.52	1.80
SYIC - 16616 -AD+B	BT40CxFMA25.4 -60		60			145.4				2.00
SYIC - 16617 -AD+B	BT40CxFMA25.4 -90		90			175.4				2.60
SYIC - 16618 -AD+B	BT40CxFMA25.4 -105		105			190.4				2.70
SYIC - 16619 -AD+B	BT40CxFMA31.75-45	31.75	45	60	41	132.4	22	6.70	12.70	2.00
SYIC - 16620 -AD+B	BT40CxFMA31.75-75		75			162.4				2.70
SYIC - 16621 -AD+B	BT40CxFMA31.75-90		90			177.4				2.90
SYIC - 16626 -AD+B	BT40CxFMA38.1 -60	38.10	60	75	44.5	150.4	25	8.87	15.87	2.80
SYIC - 16627 -AD+B	BT40CxFMA50.8 -60	50.80	60	98	68	161.4	36	9.75	19.05	4.00
SYIC - 16639 -AD+B	BT50CxFMA25.4 -45	25.40	45	50	31.5	166.8	20	4.52	9.52	4.40
SYIC - 16640 -AD+B	BT50CxFMA25.4 -90		90			211.8				5.10
SYIC - 16641 -AD+B	BT50CxFMA25.4 -150		150			271.8				6.10
SYIC - 16642 -AD+B	BT50CxFMA31.75-45	31.75	45	60	41	168.8	22	6.70	12.70	2.25
SYIC - 16643 -AD+B	BT50CxFMA31.75-75		75			198.8				1.30
SYIC - 16644 -AD+B	BT50CxFMA31.75-105		105			228.8				1.70
SYIC - 16645 -AD+B	BT50CxFMA38.1 -45	38.10	45	75	44.5	171.8	25	8.87	15.87	4.80
SYIC - 16646 -AD+B	BT50CxFMA38.1 -75		75			210.8				6.00
SYIC - 16647 -AD+B	BT50CxFMA50.8 -45	50.80	45	75	44.5	182.8	36	9.75	19.05	5.70
SYIC - 16648 -AD+B	BT50CxFMA50.8 -75		75			212.8				6.80
SYIC - 16649 -AD+B	BT50CxFMA47.62-75	47.62	75	75	-	208.8	32	12.5	25.40	7.90



## SYIC-16650-AD+B

## BT / FMB 平面銑刀柄

DIN 69871-AD+B  
TYPE FMB



Please indicate the way of coolant feed of Face Cutter when ordering.

MODEL NO	TYPE	d <sub>1</sub>	l <sub>1</sub>	D	d <sub>2</sub>	L	l <sub>1</sub>	K <sub>1</sub>	K <sub>2</sub>	WEIGHT (KGS)
SYIC - 16657 -AD+B	BT40Cx FMB22-45	22	45	48	26	129.4	19	4.8	10	1.45
SYIC - 16658 -AD+B	BT40Cx FMB22-60		60			144.4				1.70
SYIC - 16659 -AD+B	BT40Cx FMB22-100		100			184.4				2.20
SYIC - 16660 -AD+B	BT40Cx FMB27-45	27	45	60	31.5	130.4	20	5.8	12	1.60
SYIC - 16663 -AD+B	BT40Cx FMB27-60		60			145.4				2.00
SYIC - 16664 -AD+B	BT40Cx FMB27-90		90			175.4				2.30
SYIC - 16665 -AD+B	BT40Cx FMB27-105		105			190.4				2.50
SYIC - 16666 -AD+B	BT40Cx FMB32-45	32	45	78	41	132.4	22	6.8	14	1.75
SYIC - 16667 -AD+B	BT40Cx FMB32-60		60			147.4				2.10
SYIC - 16668 -AD+B	BT40Cx FMB40-60	40	60	80	48	150.4	25	8.3	16	2.80
SYIC - 16669 -AD+B	BT50Cx FMB22-45	22	45	48	26	165.8	19	4.8	10	4.50
SYIC - 16670 -AD+B	BT50Cx FMB22-90		90			210.8				5.10
SYIC - 16671 -AD+B	BT50Cx FMB22-150		150			270.8				6.80
SYIC - 16671-200 -AD+B	BT50Cx FMB22-200		200			320.8				7.00
SYIC - 16671-250 -AD+B	BT50Cx FMB22-250	250	370.8	8.00						
SYIC - 16672 -AD+B	BT50Cx FMB27-50	27	50	60	31.5	171.8	20	5.8	12	4.60
SYIC - 16673 -AD+B	BT50Cx FMB27-90		90			211.8				5.40
SYIC - 16674 -AD+B	BT50Cx FMB27-150		150			271.8				7.50
SYIC - 16675 -AD+B	BT50Cx FMB27-200		200			321.8				9.50
SYIC - 16675-250 -AD+B	BT50Cx FMB27-250	250	371.8	11.0						
SYIC - 16676 -AD+B	BT50Cx FMB32-50	32	50	78	41	173.8	22	6.8	14	5.70
SYIC - 16677 -AD+B	BT50Cx FMB32-90		90			213.8				5.80
SYIC - 16678 -AD+B	BT50Cx FMB40-50	40	50	89	48	176.8	25	8.3	16	5.20
SYIC - 16680 -AD+B	BT50Cx FMB40-90	40	90	89	48	216.8	25	8.3	16	6.00
SYIC - 16681 -AD+B	BT50Cx FMB40-105	40	105	89	48	231.8	25	8.3	16	7.20
SYIC - 16688 -AD+B	BT50Cx FS40F -75	40	75	110	-	202.8	26	8.3	16	6.00
SYIC - 16690 -AD+B	BT50Cx FS60F -75	60	75	140	-	201.8	25	12.5	25.4	8.50





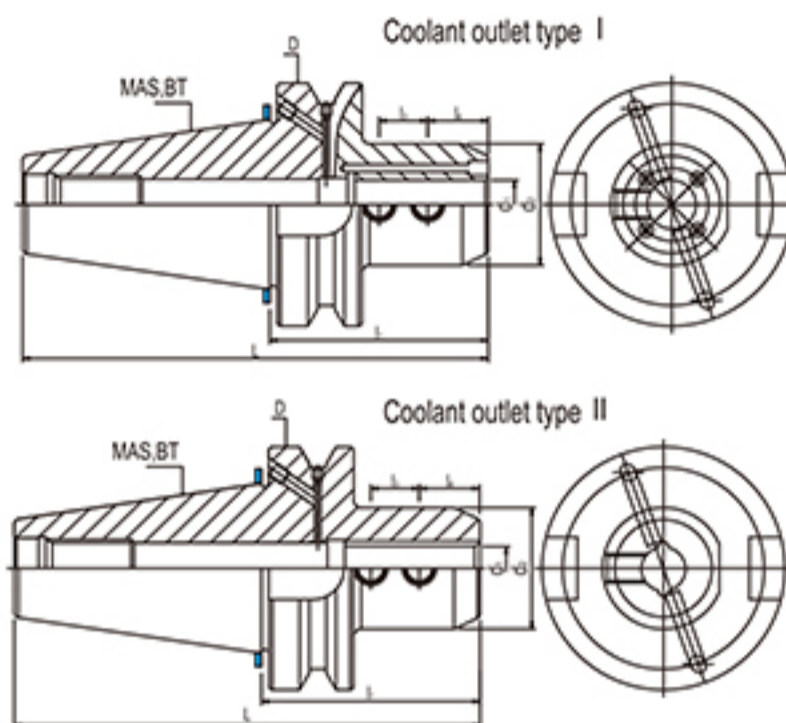
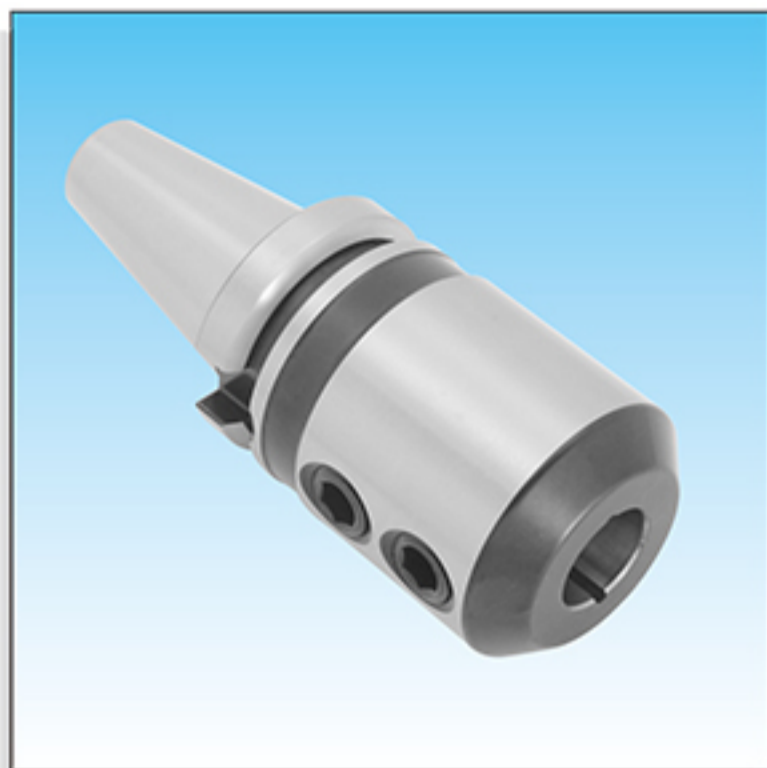
# BT SIDE LOCK END MILL HOLDER

with coolant feed type

## SYIC-17100-AD+B

## BT/SLN 側固式立銑刀柄

DIN 69871-AD+B



- When balancing the diameter of shank must meet norm of DIN-1835-B
- Diameter permissible tolerance within h5
- With coolant feed.
- Please specify which type of coolant outlet you are need when ordering.

MODEL NO	TYPE	d <sub>1</sub> -l <sub>1</sub>	L	l <sub>2</sub>	l <sub>3</sub>	d <sub>2</sub>	T	WEIGHT (K G S)	
SYIC-17131 -AD+B	BT40CxSLN6 -50		115.4	18		25	M6 x1.0 P	1.10	
SYIC-17131-150 -AD+B	BT40CxSLN6 -150	215.4	1.32						
SYIC-17132 -AD+B	BT40CxSLN8 -50	115.4	1.10						
SYIC-17132-150 -AD+B	BT40CxSLN8 -150	215.4				1.30			
SYIC-17133 -AD+B	BT40CxSLN10-63	128.4	20		35	M10x1.5 P	1.25		
SYIC-17133-150 -AD+B	BT40CxSLN10-150	215.4					1.40		
SYIC-17134 -AD+B	BT40CxSLN12-63	128.4	22.5		42	M12x1.75P	1.30		
SYIC-17134-150 -AD+B	BT40CxSLN12-150	215.4					1.53		
SYIC-17135 -AD+B	BT40CxSLN16-63	128.4	24		48	M14x2.0 P	1.40		
SYIC-17135-150 -AD+B	BT40CxSLN16-150	215.4					1.60		
SYIC-17135-18 -AD+B	BT40CxSLN18-63	128.4					1.65		
SYIC-17136 -AD+B	BT40CxSLN20-63		25			52	M16x2.0 P	1.40	
SYIC-17137 -AD+B	BT40CxSLN25-100	165.4	24					25	65
SYIC-17138 -AD+B	BT40CxSLN32-100				28	72	M20x2.0 P	2.75	
SYIC-17151 -AD+B	BT50CxSLN6 -63		164.8	18		25	M6 x1.0 P	3.80	
SYIC-17152 -AD+B	BT50CxSLN8 -63							28	M8 x1.25P
SYIC-17153 -AD+B	BT50CxSLN10-63					20	35	M10x1.5 P	3.00
SYIC-17154 -AD+B	BT50CxSLN12-80					22.5	42	M12x1.75P	4.00
SYIC-17155 -AD+B	BT50CxSLN16-80	181.8	24	48	M14x2.0 P	4.40			
SYIC-17156 -AD+B	BT50CxSLN20-80		25	52	M16x2.0 P	4.40			
SYIC-17157 -AD+B	BT50CxSLN25-100	201.8	24	25	65	M18x2.0 P	5.10		
SYIC-17158 -AD+B	BT50CxSLN32-105	206.8					28	72	M20x2.0 P
SYIC-17160 -AD+B	BT50CxSLN40-115	216.8	30	32	73	6.60			
SYIC-17164 -AD+B	BT50CxSLN40-120					5.75			
SYIC-17162 -AD+B	BT50CxSLN42-120					6.70			
SYIC-17166 -AD+B	BT50CxSLN50-120	221.8	35	35	78	M24x2.0 P	5.80		
SYIC-17170 -AD+B	BT50CxSLN50.8-120		33.1	28.58	78		6.60		
SYIC-17168 -AD+B	BT50CxSLN63-120		40	40	80		6.00		



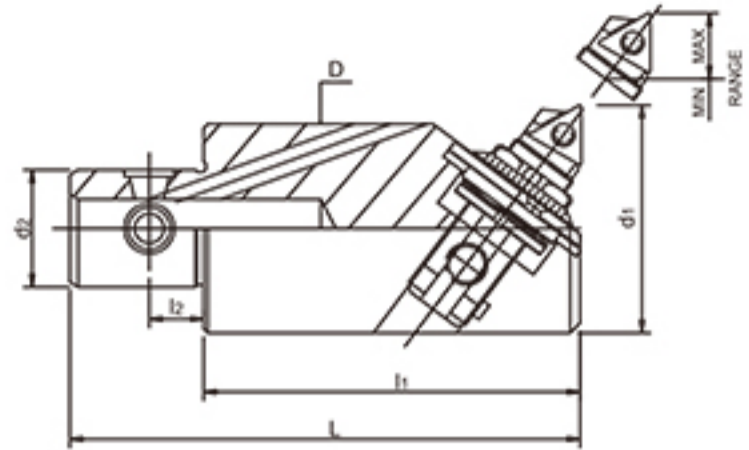


# SCK/BYB FINISH BORING HEAD

For SCK Boring Head Shank

## SYIC-17380-C

SCK / BYB 微切削搪孔刀柄



BYB Micrometer Adjustable Boring Head not included.

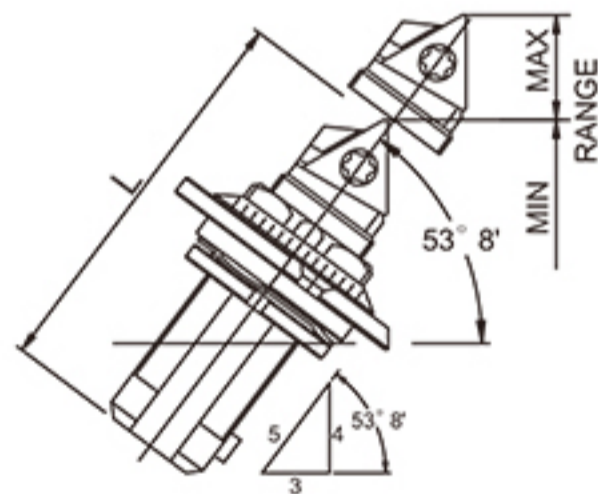
MODEL NO	TYPE	ASSEMBLE TOOL HOLDER	d <sub>1</sub>		d <sub>2</sub>	L	l <sub>1</sub>	l <sub>2</sub>	D	WEIGHT (K G S)
			MIN.	MAX.						
SYIC-17382-C	SCK1xBYB19	SCK1	19	22.5	11	51	35	4.75	18	0.36
SYIC-17384-C	SCK1xBYB22	SCK1	22	29.5	11	51	35	4.75	20	0.36
SYIC-17386-C	SCK2xBYB29	SCK2	29	41	14	61	45	6.5	25	0.37
SYIC-17388-C	SCK3xBYB38	SCK3	38	50	18	90	70	7.7	35	0.41
SYIC-17390-C	SCK4xBYB48	SCK4	48	65	22	84	60	7.7	41	0.59
SYIC-17392-C	SCK5xBYB62	SCK5	62	90	28	110	80	12.7	54	0.70
SYIC-17394-C	SCK6xBYB82	SCK6	82	110	36	150	110	15.7	67	1.05









# MICROMETER ADJUSTABLE BYB BORING HEAD

## SYIC-17400

BYB 微切削搪孔頭



MODEL NO	TYPE							
		I09	J10	L12	K11	M13	C03	N14
SYIC - 17406	M2 - 19	W2	M2.3x0.4P	T6	-	-	M2	T6
SYIC - 17408	M2 - 22							
SYIC - 17410	M3 - 29							
SYIC - 17412	M5 - 38	W5	M3x0.5P	L2.5	M3x0.5P	T10	M2.5	T9
SYIC - 17414	M5 - 48							
SYIC - 17416	M7 - 62	W7	M3x0.5P	L2.5	M4x0.7P	T15	M4	T15
SYIC - 17418	M7 - 82							
SYIC - 17420	M10 - 100							





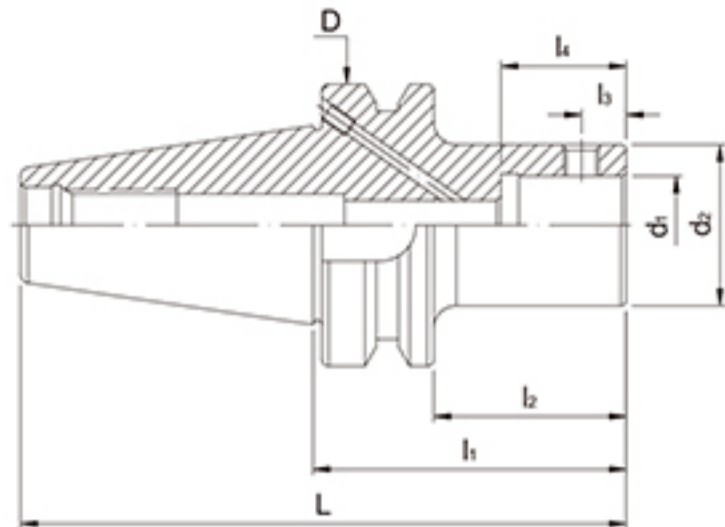
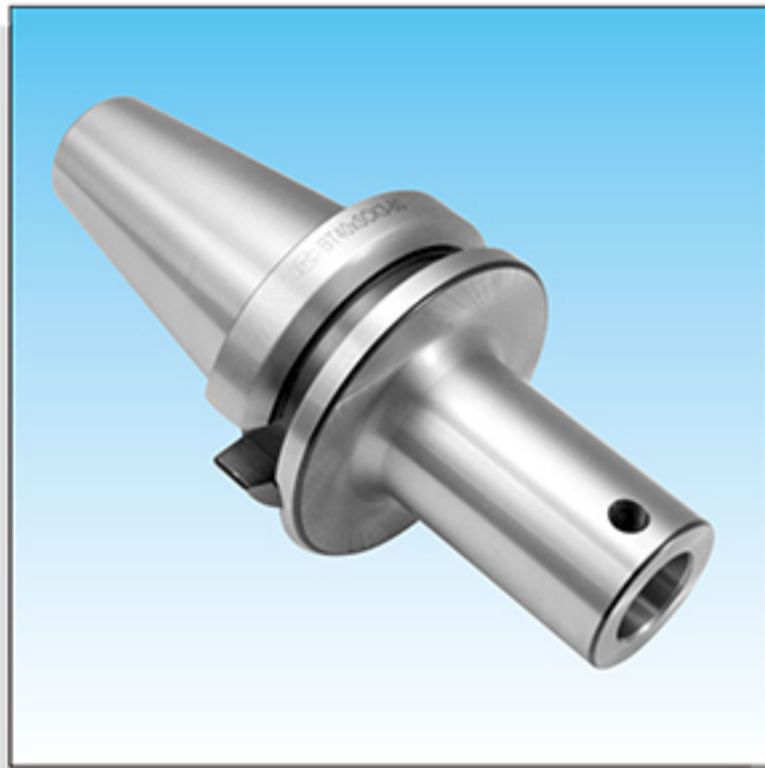
# BT / SCK BORING HEAD SHANK

with coolant feed type

## SYIC-17500-AD+B

BT / SCK 粗/精 搪頭刀柄

DIN 69871-AD+B



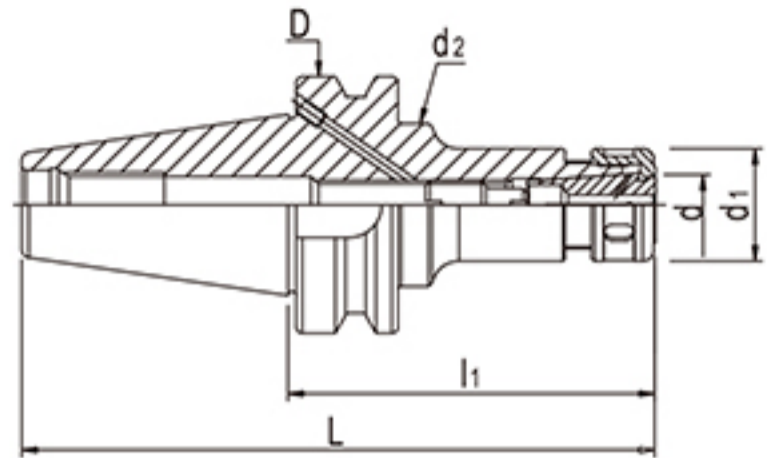
- Able to use with extension spacer, more convenience for cutting.
- With coolant feed.

MODEL NO	TYPE	-l <sub>1</sub>	L	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC-17501	-AD+B	BT40CxSCK1-100	165.4	73	5.05	15	63	11	19	1.2
SYIC-17501-115	-AD+B	BT40CxSCK1-115	180.4	88	5.05	15		11	19	1.3
SYIC-17502	-AD+B	BT40CxSCK2- 75	140.4	48	6.62	18.5		14	23	1.3
SYIC-17503	-AD+B	BT40CxSCK3- 80	145.4	53	8	22		18	30.5	1.45
SYIC-17504	-AD+B	BT40CxSCK4- 70	135.4	43	10	24		22	38	1.5
SYIC-17505	-AD+B	BT40CxSCK4-100	165.4	73		1.7				
SYIC-17506	-AD+B	BT40CxSCK5- 60	125.4	33	13	30		28	49	1.8
SYIC-17507	-AD+B	BT40CxSCK5- 80	145.4	53		1.95				
SYIC-17508	-AD+B	BT40CxSCK6- 55	120.4	28	16	40	36	62	2.15	
SYIC-17509	-AD+B	BT50CxSCK1-105	206.8	67	16	36	100	36	62	3.9
SYIC-17510	-AD+B	BT50CxSCK2-105	206.8	67	6.62	18.5		14	23	4.0
SYIC-17510-135	-AD+B	BT50CxSCK2-135	236.8	97						4.1
SYIC-17511	-AD+B	BT50CxSCK3-110	211.8	72	8	22		18	30.5	4.4
SYIC-17512	-AD+B	BT50CxSCK3-140	241.8	102						4.6
SYIC-17513	-AD+B	BT50CxSCK4-100	201.8	62	10	24		22	38	4.8
SYIC-17514	-AD+B	BT50CxSCK4-160	261.8	122						5.2
SYIC-17515	-AD+B	BT50CxSCK5- 90	191.8	52	13	30		28	49	5.4
SYIC-17516	-AD+B	BT50CxSCK5-165	266.8	127						6.2
SYIC-17517	-AD+B	BT50CxSCK5-210	311.8	172						6.4
SYIC-17518	-AD+B	BT50CxSCK6- 85	186.8	47	16	40	36	62	5.9	
SYIC-17519	-AD+B	BT50CxSCK6-155	256.8	117					6.5	
SYIC-17520	-AD+B	BT50CxSCK6-215	316.8	177					6.9	



## SYIC-18300-AD+B

## BT / SKS 高速機專用夾頭



- Highest accuracy : run -out accuracy is less than  $5 \mu\text{m}$  at  $4D$  diameter of the cutting tool length.
- Can provided balance 20000 rpm at G2.5 made on request.
- $4^\circ$  collect taper : provides increased gripping power, concentricity and rigidity.
- With coolant feed.

MODEL NO	TYPE - $l_1$	L	D	d	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC-18338-AD+B	BT40CxSKS6-90	147.4	63	9.964	18	32	1.0
SYIC-18339-AD+B	BT40CxSKS6-120	177.4					1.1
SYIC-18340-AD+B	BT40CxSKS10-90	155.4			30	40	1.2
SYIC-18342-AD+B	BT40CxSKS10-120	185.4					1.4
SYIC-18344-AD+B	BT40CxSKS16-90	155.4			40	52	1.3
SYIC-18346-AD+B	BT40CxSKS16-120	185.4					1.5
SYIC-18352-AD+B	BT40CxSKS25-90	155.4			55.1	55	1.4
SYIC-18354-AD+B	BT40CxSKS25-120	185.4					1.6
SYIC-18360-AD+B	BT50CxSKS6-90	183.8	100	9.964	18	32	4.0
SYIC-18362-AD+B	BT50CxSKS6-120	213.8					4.2
SYIC-18370-AD+B	BT50CxSKS10-105	206.8			30	40	4.5
SYIC-18372-AD+B	BT50CxSKS10-150	251.8					4.6
SYIC-18374-AD+B	BT50CxSKS10-165	266.8			40	52	4.3
SYIC-18376-AD+B	BT50CxSKS16-105	206.8					4.5
SYIC-18378-AD+B	BT50CxSKS16-150	251.8			55.1	55	4.7
SYIC-18380-AD+B	BT50CxSKS16-165	266.8					4.8
SYIC-18386-AD+B	BT50CxSKS25-105	196.3			35.029	55	4.4
SYIC-18388-AD+B	BT50CxSKS25-150	241.3					4.9





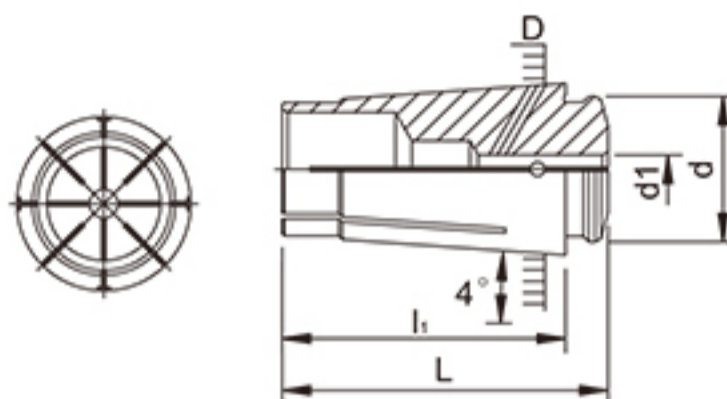
# SKS COLLET COOLANT

## SYIC-18300-C

### SKS 止水筒夾



PAT. NO : M282760



- Steel: SUJ2
- Surface Roughness : Rz2.0 (Ra 0.5)
- HRC: 46°
- Precision: 5  $\mu$  (4D length)

MODEL NO	TYPE	D	d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	L	WEIGHT (K G S)
SYIC-18302-C	SKS 6	9.964	2-10	9.26	21.4	25.7	0.03
SYIC-18304-C	SKS10	15.013	3-16	13.7	26.8	32	0.04
SYIC-18306-C	SKS16	23.939	2-10	21	40	46	0.06
SYIC-18310-C	SKS25	35.029	3-16	31	51.5	58.2	0.08



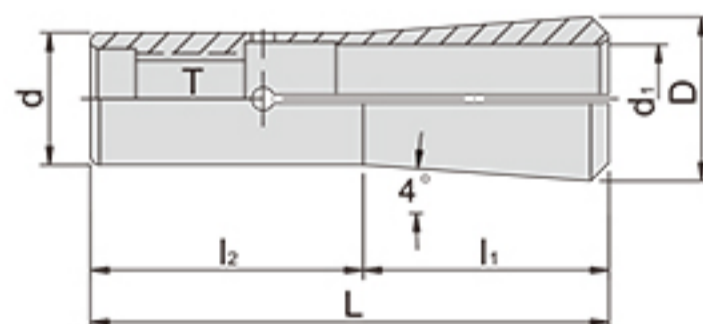
# SLC COLLET

## SYIC-18851

### SLC 專用筒夾



PAT. NO : M247335



- Steel: SUJ2
- HRC: 46°
- Surface Roughness : Rz2.5 (Ra 0.6)
- Precision: 5  $\mu$  (4D length)

MODEL NO	TYPE	d <sub>1</sub>	D	d	L	l <sub>1</sub>	l <sub>2</sub>	T
SYIC - 18851	SLC - 6	3,4,5,6	10	8	36	24	12	M6x1.0P
SYIC - 18852	SLC - 12	3,4,5,6,10,12	18	14.5	57	25.45	31.55	M10x1.5P
SYIC - 18853	SLC - 20	3,4,5,6,10,12,16,18,20	27	21	70	35	35	M12x1.75P



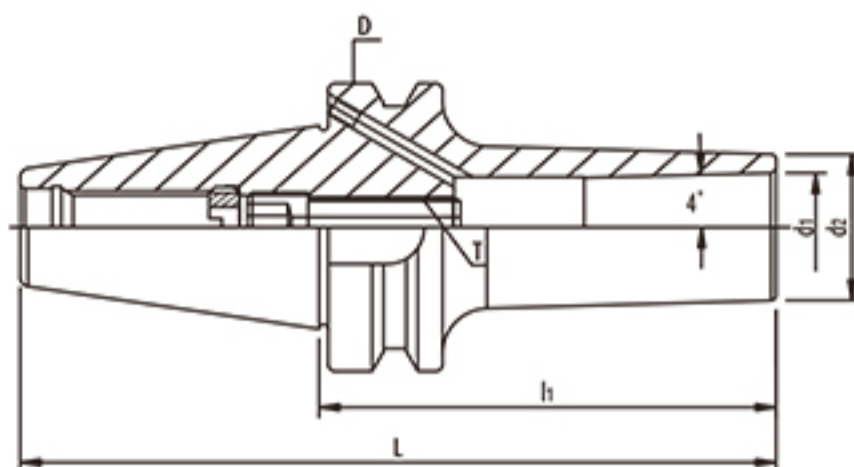
## SYIC-18850-AD+B

## BT / SBL 後拉式立銑刀夾頭

DIN 69871-AD+B



PAT. NO : M274178



### FEATURES

1. Turn the screw, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
2. Balanced to 15000 RPM at G2.5.
3. Enlarge the clamping face of holder and cutting tool up to 1/3.
4. Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
5. Precision: 0.005mm (4D length).
6. With coolant feed.

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	T	WEIGHT (K G S)
SYIC - 18866 -AD+B	BT40CxSBL6-70	135.4	63	9.93	14	M6 x1.0 P	1.20
SYIC - 18868 -AD+B	BT40CxSBL6-100	165.4					1.60
SYIC - 18870 -AD+B	BT40CxSBL12-70	135.4		18	26	M10x1.5 P	1.50
SYIC - 18872 -AD+B	BT40CxSBL12-100	165.4					1.70
SYIC - 18874 -AD+B	BT40CxSBL20-70	135.4		27	35	M12x1.75P	1.50
SYIC - 18876 -AD+B	BT40CxSBL20-100	165.4					1.70
SYIC - 18878 -AD+B	BT50CxSBL6-70	171.8	100	9.93	14	M6 x1.0 P	4.00
SYIC - 18880 -AD+B	BT50CxSBL6-100	201.8					4.10
SYIC - 18882 -AD+B	BT50CxSBL12-70	171.8		18	26	M10x1.5 P	4.20
SYIC - 18884 -AD+B	BT50CxSBL12-100	201.8					4.30
SYIC - 18886 -AD+B	BT50CxSBL20-70	171.8		27	35	M12x1.75P	4.60
SYIC - 18888 -AD+B	BT50CxSBL20-100	201.8					4.70





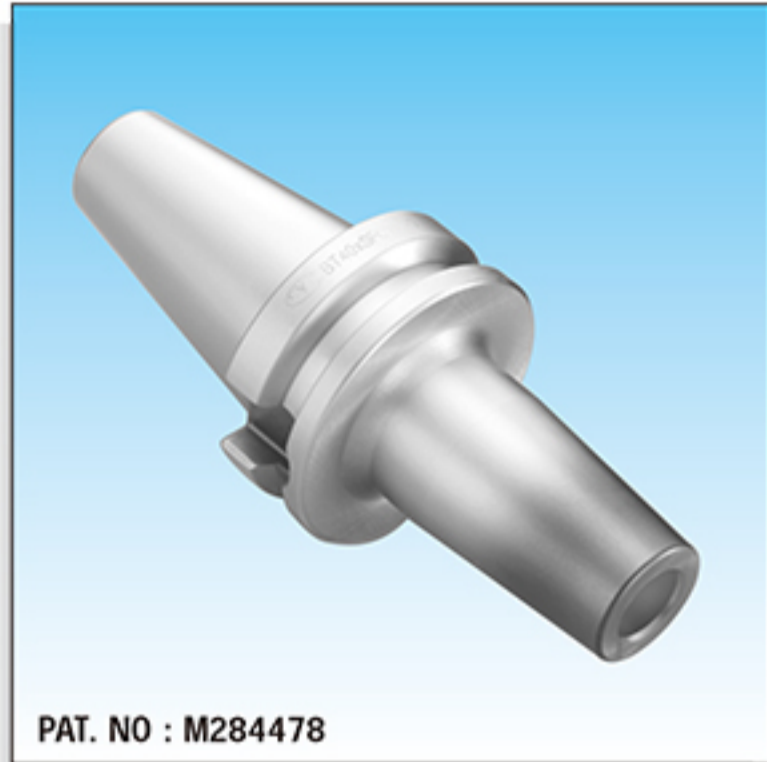
# BT/SFC SHRINK FIT CHUCK

with coolant feed type

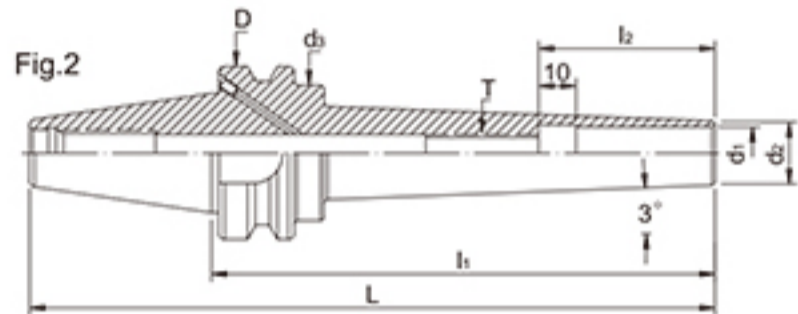
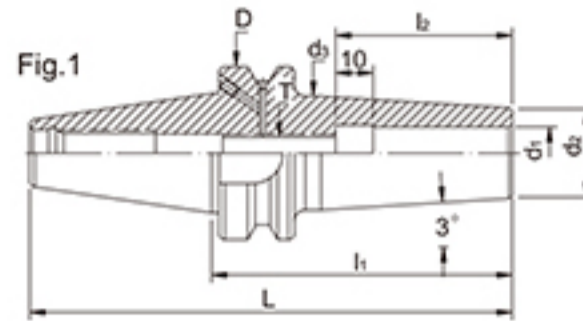
## SYIC-19000-AD+B

## BT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT. NO : M284478



- Highest rigidity
  - BEST TIR
  - Slim design
  - Light (for long reach)
  - Easy handling•With coolant feed.
  - Precision:0.003 um (4D length)
  - Standard revolution to G2.5 20000rpm
- If exceeded G2.5 20000rpm will be adding price.

INCHES

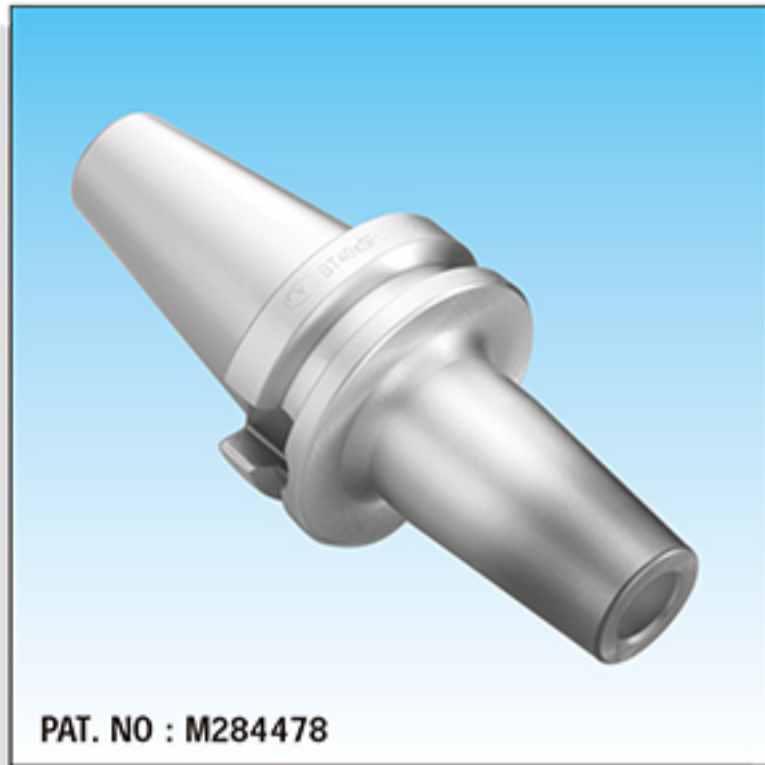
MODEL NO	TYPE	d <sub>1</sub> - l <sub>1</sub>	L	l <sub>2</sub>	D	d <sub>2</sub>	d <sub>3</sub>	T	Fig	WEIGHT (KGS)
SYIC-19020 - AD+B	BT40CxSFC3/16-3.54	6.12	0.79	2.48	2.48	0.63	0.87	-	1	0.09
SYIC-19020-5.31-AD+B	BT40CxSFC3/16-5.31	7.89				0.32	0.75		2	0.10
SYIC-19022 - AD+B	BT40CxSFC1/4-3.15	6.12	1.42	2.48	2.48	0.71	1.02	M8x1.25P	1	1.00
SYIC-19022-5.31-AD+B	BT40CxSFC1/4-5.31	7.89				0.35	1.02	M4x0.7P	2	1.20
SYIC-19023 - AD+B	BT40CxSFC1/4-6.5	9.07				1.50				
SYIC-19023-7.87-AD+B	BT40CxSFC1/4-7.87	10.5	1.42	2.48	2.48	0.79	1.02	M8x1.25P	1	1.10
SYIC-19024 - AD+B	BT40CxSFC5/16-3.15	6.12				0.43	1.02	M6x1.0P	2	1.30
SYIC-19024-5.31-AD+B	BT40CxSFC5/16-5.31	7.89				1.70				
SYIC-19025 - AD+B	BT40CxSFC5/16-6.5	9.07	1.53	2.48	2.48	0.94	1.26	M8x1.25P	1	1.10
SYIC-19025-7.87-AD+B	BT40CxSFC5/16-7.87	10.5				0.52	1.42		2	1.30
SYIC-19026 - AD+B	BT40CxSFC3/8-3.15	6.12				1.70				
SYIC-19026-5.31-AD+B	BT40CxSFC3/8-5.31	7.89	1.85	2.48	2.48	1.10	1.34	M10x1.5P	1	1.20
SYIC-19027 - AD+B	BT40CxSFC3/8-6.5	9.07				0.59	1.42		2	1.40
SYIC-19027-7.87-AD+B	BT40CxSFC3/8-7.87	10.5				1.80				
SYIC-19028 - AD+B	BT40CxSFC1/2-3.15	6.12	1.97	2.48	2.48	1.26	1.34	M16x2.0P	1	1.20
SYIC-19028-5.31-AD+B	BT40CxSFC1/2-5.31	7.89				0.94	1.42		2	1.40
SYIC-19029 - AD+B	BT40CxSFC1/2-6.5	9.07				1.80				
SYIC-19029-7.87-AD+B	BT40CxSFC1/2-7.87	10.5	2.04	2.48	2.48	1.42	1.65	M20x2.0P	1	1.20
SYIC-19030 - AD+B	BT40CxSFC3/4-3.54	6.12				1.18	1.42		2	1.40
SYIC-19030-5.31-AD+B	BT40CxSFC3/4-5.31	7.89				1.90				
SYIC-19031 - AD+B	BT40CxSFC3/4-6.5	9.07	2.04	2.48	2.48	1.42	1.65	M20x2.0P	1	1.30
SYIC-19031-7.87-AD+B	BT40CxSFC3/4-7.87	10.5				1.18	1.42		2	1.50
SYIC-19032 - AD+B	BT40CxSFC1-3.94	6.12				1.70				
SYIC-19032-5.31-AD+B	BT40CxSFC1-5.31	7.89	2.04	2.48	2.48	1.42	1.65	M20x2.0P	1	1.30
SYIC-19033 - AD+B	BT40CxSFC1-6.5	9.07				1.18	1.42		2	1.50
SYIC-19033-7.87-AD+B	BT40CxSFC1-7.87	10.5								1.90



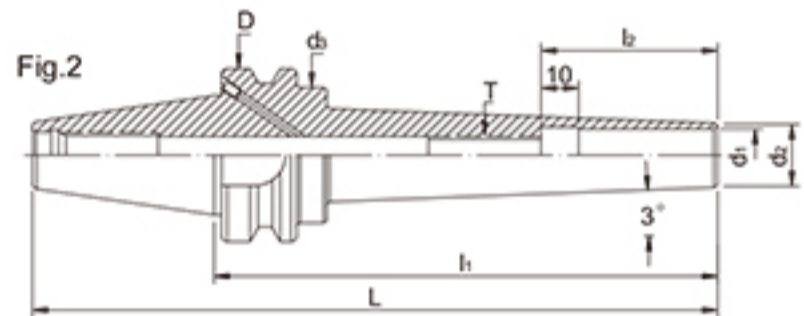
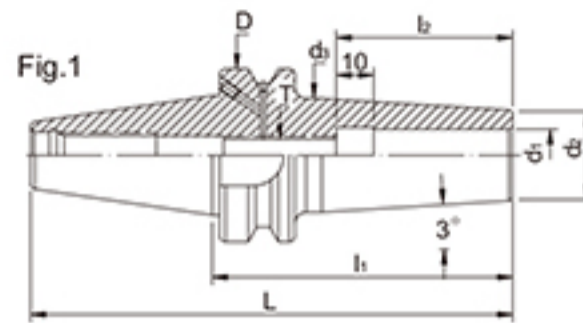
## SYIC-19000-AD+B

## BT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT. NO : M284478



- Highest rigidity
- BEST TIR
- Slim design
- Light (for long reach)
- Easy handling•With coolant feed.
- Precision:0.003 um (4D length)
- Standard revolution to G2.5 20000rpm  
If exceeded G2.5 20000rpm will be adding price.

INCHES

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	Fig	WEIGHT (KGS)
SYIC-19036 - AD+B	BT50CxSFC3/16-3.54	7.55	9.32	0.79	3.94	0.63	0.87	-	1	2.90
SYIC-19036-5.31-AD+B	BT50CxSFC3/16-5.31	9.32				0.32	0.75		2	3.10
SYIC-19038 - AD+B	BT50CxSFC1/4-3.54	7.55	1.42	0.71		1.02	M8x1.25P	1	2.90	
SYIC-19038-5.31-AD+B	BT50CxSFC1/4-5.31	9.32		0.35		1.02	M4x0.7P	2	3.10	
SYIC-19039 - AD+B	BT50CxSFC1/4-6.5	10.5		0.35		1.02	M4x0.7P	2	3.30	
SYIC-19039-7.87-AD+B	BT50CxSFC1/4-7.87	11.9		0.35		1.02	M4x0.7P	2	3.70	
SYIC-19040 - AD+B	BT50CxSFC5/16-3.54	7.55	1.42	0.79		1.02	M8x1.25P	1	3.00	
SYIC-19040-5.31-AD+B	BT50CxSFC5/16-5.31	9.32		0.43		1.02	M6x1.0P	2	3.20	
SYIC-19041 - AD+B	BT50CxSFC5/16-6.5	10.5		0.43		1.02	M6x1.0P	2	3.40	
SYIC-19041-7.87-AD+B	BT50CxSFC5/16-7.87	11.9		0.43		1.02	M6x1.0P	2	3.60	
SYIC-19042 - AD+B	BT50CxSFC3/8-3.54	7.55	1.53	0.94		1.26	M8x1.25P	1	3.00	
SYIC-19042-5.31-AD+B	BT50CxSFC3/8-5.31	9.32		0.52		1.26		2	3.20	
SYIC-19043 - AD+B	BT50CxSFC3/8-6.5	10.5		0.52		1.26		2	3.40	
SYIC-19043-7.87-AD+B	BT50CxSFC3/8-7.87	11.9	0.52	1.26		2	3.60			
SYIC-19044 - AD+B	BT50CxSFC1/2-3.54	7.55	1.85	1.10		1.34	M10x1.5P	1	3.00	
SYIC-19044-5.31-AD+B	BT50CxSFC1/2-5.31	9.32		0.59		1.34		2	3.20	
SYIC-19045 - AD+B	BT50CxSFC1/2-6.5	10.5		0.59		1.34		2	3.40	
SYIC-19045-7.87-AD+B	BT50CxSFC1/2-7.87	11.9		0.59		1.34		2	3.60	
SYIC-19046 - AD+B	BT50CxSFC3/4-3.54	7.55	1.97	1.26		1.34	M16x2.0P	1	3.00	
SYIC-19046-5.31-AD+B	BT50CxSFC3/4-5.31	9.32		0.94		1.34		2	3.20	
SYIC-19047 - AD+B	BT50CxSFC3/4-6.5	10.5		0.94		1.34		2	3.40	
SYIC-19048-7.87-AD+B	BT50CxSFC3/4-7.87	11.9	0.94	1.34		2	3.60			
SYIC-19048 - AD+B	BT50CxSFC1-3.54	7.55	2.04	1.42		1.65	M20x2.0P	1	3.20	
SYIC-19049-5.31-AD+B	BT50CxSFC1-5.31	9.32		1.18		1.65		2	3.40	
SYIC-19050 - AD+B	BT50CxSFC1-6.5	10.5		1.18	1.65	2		3.60		
SYIC-19050-7.87-AD+B	BT50CxSFC1-7.87	11.9	1.18	1.65	2	3.80				





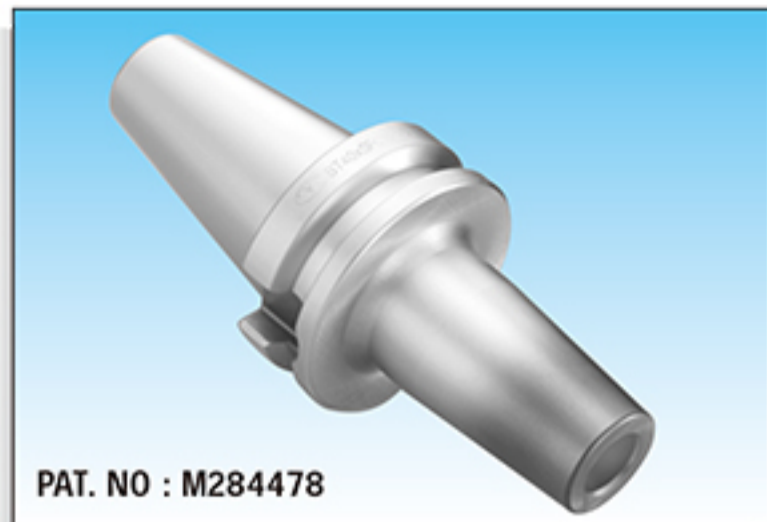
# BT/SFC SHRINK FIT CHUCK

with coolant feed type

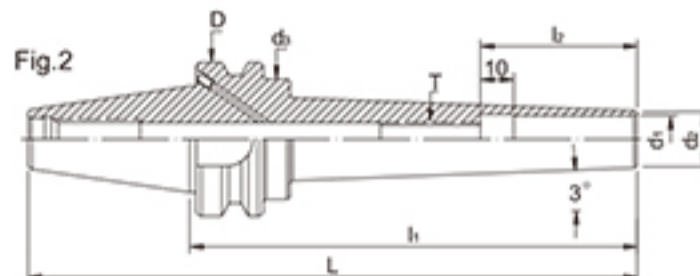
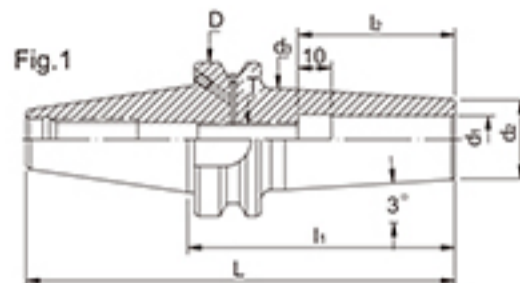
## SYIC-19100-AD+B

## BT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT. NO : M284478



- Highest rigidity
- BEST TIR
- Slim design
- Light (for long reach)

- Easy handling • With coolant feed.
  - Precision: 0.003 um (4D length)
  - Standard revolution to G2.5 20000rpm
- If exceeded G2.5 20000rpm will be adding price.

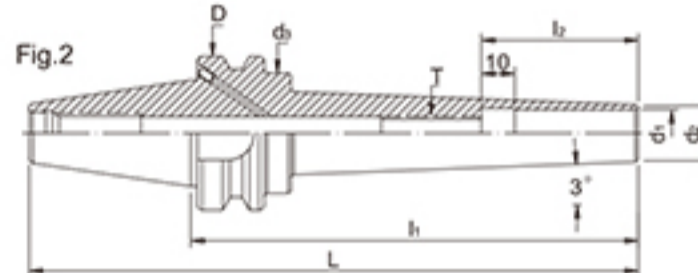
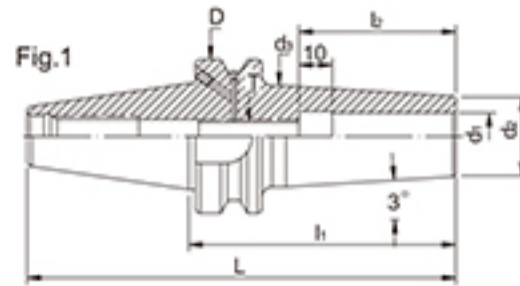
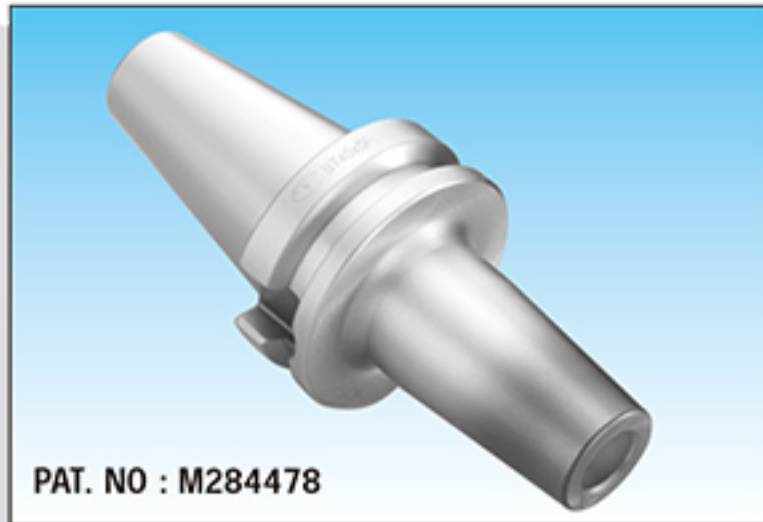
MODEL NO	TYPE	d <sub>1</sub> - l <sub>1</sub>	L	l <sub>2</sub>	D	d <sub>2</sub>	d <sub>3</sub>	T	Fig	WEIGHT (K G S)
SYIC-19132-AD+B	BT40CxSFC4-90	155.4		20	63	14	19	-	1	1.00
SYIC-19132-135-AD+B	BT40CxSFC4-135	200.4		20		7	26	-	2	1.20
SYIC-19134-AD+B	BT40CxSFC5-90	155.4		20		16	19	M8x1.25P	1	1.00
SYIC-19134-135-AD+B	BT40CxSFC5-135	200.4		20		8	26	-	2	1.20
SYIC-19135-AD+B	BT40CxSFC5-165	230.4		20						1.40
SYIC-19135-200-AD+B	BT40CxSFC5-200	265.4		20						1.80
SYIC-19136-AD+B	BT40CxSFC6-90	155.4		36		21	26	M8x1.25P	1	1.10
SYIC-19136-135-AD+B	BT40CxSFC6-135	200.4		36		9	26	M4x0.7P	2	1.30
SYIC-19137-AD+B	BT40CxSFC6-165	230.4		36						1.50
SYIC-19137-200-AD+B	BT40CxSFC6-200	265.4		36						2.00
SYIC-19138-AD+B	BT40CxSFC8-90	155.4		36		21	26	M8x1.25P	1	1.10
SYIC-19138-135-AD+B	BT40CxSFC8-135	200.4		36		11	36	M6x1.0P	2	1.30
SYIC-19139-AD+B	BT40CxSFC8-165	230.4		36						1.50
SYIC-19139-200-AD+B	BT40CxSFC8-200	265.4		36						2.00
SYIC-19140-AD+B	BT40CxSFC10-90	155.4		42		24	29	M8x1.25P	1	1.10
SYIC-19140-135-AD+B	BT40CxSFC10-135	200.4		42		13	36		2	1.30
SYIC-19141-AD+B	BT40CxSFC10-165	230.4		42						1.50
SYIC-19141-200-AD+B	BT40CxSFC10-200	265.4		42						2.00
SYIC-19142-AD+B	BT40CxSFC12-90	155.4		47		24	29	M10x1.5P	1	1.10
SYIC-19142-135-AD+B	BT40CxSFC12-135	200.4		47		15	36		2	1.30
SYIC-19143-AD+B	BT40CxSFC12-165	230.4		47						1.50
SYIC-19143-200-AD+B	BT40CxSFC12-200	265.4		47	27	32	1	2.00		
SYIC-19144-AD+B	BT40CxSFC14-90	155.4		47					1.20	
SYIC-19144-135-AD+B	BT40CxSFC14-135	200.4		47	18	36	2	1.40		
SYIC-19145-AD+B	BT40CxSFC14-165	230.4		47					1.50	
SYIC-19145-200-AD+B	BT40CxSFC14-200	265.4		47					2.00	
SYIC-19146-AD+B	BT40CxSFC16-90	155.4		50	27	32	M12x1.75P	1	1.20	
SYIC-19146-135-AD+B	BT40CxSFC16-135	200.4		50	20	36		2	1.40	
SYIC-19147-AD+B	BT40CxSFC16-165	230.4		50					1.50	
SYIC-19147-200-AD+B	BT40CxSFC16-200	265.4		50					2.00	
SYIC-19148-AD+B	BT40CxSFC18-100	165.4		52	33	38	M12x1.75P	1	1.30	
SYIC-19148-135-AD+B	BT40CxSFC18-135	200.4		52	22	36		2	1.50	
SYIC-19149-AD+B	BT40CxSFC18-165	230.4		52					2.00	
SYIC-19149-200-AD+B	BT40CxSFC18-200	265.4		52					2.10	
SYIC-19150-AD+B	BT40CxSFC20-100	165.4		52	33	38	M16x2.0P	1	1.40	
SYIC-19150-135-AD+B	BT40CxSFC20-135	200.4		52	24	36		2	1.50	
SYIC-19151-AD+B	BT40CxSFC20-165	230.4		52					2.00	
SYIC-19151-200-AD+B	BT40CxSFC20-200	265.4		52					2.10	
SYIC-19152-AD+B	BT40CxSFC25-100	165.4		58	44	49	M20x2.0P	1	1.70	
SYIC-19152-135-AD+B	BT40CxSFC25-135	200.4		58	30	49		2	1.90	
SYIC-19153-AD+B	BT40CxSFC25-165	230.4		58					2.10	
SYIC-19153-200-AD+B	BT40CxSFC25-200	265.4		58					2.20	
SYIC-19154-AD+B	BT40CxSFC32-100	165.4		58	44	49	M20x2.0P	1	1.70	
SYIC-19154-135-AD+B	BT40CxSFC32-135	200.4		58	36	49		2	1.90	
SYIC-19155-AD+B	BT40CxSFC32-165	230.4		58					2.10	
SYIC-19155-200-AD+B	BT40CxSFC32-200	265.4		58					2.20	



## SYIC-19100-AD+B

## BT / SFC 熱膨脹刀桿

DIN 69871-AD+B



- Highest rigidity
- BEST TIR
- Slim design
- Light (for long reach)

- Easy handling • With coolant feed.
- Precision: 0.003 um (4D length)
- Standard revolution to G2.5 20000rpm
- If exceeded G2.5 20000rpm will be adding price.

MODEL NO	TYPE	d <sub>1</sub> - l <sub>1</sub>	L	l <sub>2</sub>	D	d <sub>2</sub>	d <sub>3</sub>	T	Fig	WEIGHT (K G S)	
SYIC-19162-AD+B	BT50CxSFC4-100	201.8		20	100	14	19	-	1	1.00	
SYIC-19162-135-AD+B	BT50CxSFC4-135	236.8		20		7	26	-	2	1.20	
SYIC-19164-AD+B	BT50CxSFC5-100	201.8		20		16	21	M8x1.25P	1	1.00	
SYIC-19164-135-AD+B	BT50CxSFC5-135	236.8		20		8	26	-	2	1.20	
SYIC-19165-AD+B	BT50CxSFC5-165	366.8		20						2	1.40
SYIC-19165-200-AD+B	BT50CxSFC5-200	401.8		20						2	1.80
SYIC-19166-AD+B	BT50CxSFC6-100	201.8		36		21	26	M8x1.25P	1	1.10	
SYIC-19166-135-AD+B	BT50CxSFC6-135	236.8		36						2	1.30
SYIC-19167-AD+B	BT50CxSFC6-165	366.8		36		9	26	M4x0.7P	2	1.50	
SYIC-19167-200-AD+B	BT50CxSFC6-200	401.8		36						2	2.00
SYIC-19168-AD+B	BT50CxSFC8-100	201.8		36		21	26	M8x1.25P	1	1.10	
SYIC-19168-135-AD+B	BT50CxSFC8-135	236.8		36						2	1.30
SYIC-19169-AD+B	BT50CxSFC8-165	366.8		36		11	36	M6x1.0P	2	1.50	
SYIC-19169-200-AD+B	BT50CxSFC8-200	401.8		36						2	2.00
SYIC-19170-AD+B	BT50CxSFC10-100	201.8		42		24	29	M8x1.25P	1	1.10	
SYIC-19170-135-AD+B	BT50CxSFC10-135	236.8		42						2	1.30
SYIC-19171-AD+B	BT50CxSFC10-165	366.8		42		13	36	M8x1.25P	2	1.50	
SYIC-19171-200-AD+B	BT50CxSFC10-200	401.8		42					2	2.00	
SYIC-19172-AD+B	BT50CxSFC12-100	201.8		47		24	29	M10x1.5P	1	1.10	
SYIC-19172-135-AD+B	BT50CxSFC12-135	236.8		47						2	1.30
SYIC-19173-AD+B	BT50CxSFC12-165	366.8		47		15	36		M10x1.5P	2	1.50
SYIC-19173-200-AD+B	BT50CxSFC12-200	401.8		47					2	2.00	
SYIC-19174-AD+B	BT50CxSFC14-100	201.8		47		27	32	M10x1.5P	1	1.20	
SYIC-19174-135-AD+B	BT50CxSFC14-135	236.8		47						2	1.40
SYIC-19175-AD+B	BT50CxSFC14-165	366.8		47		18	36	M10x1.5P	2	1.50	
SYIC-19175-200-AD+B	BT50CxSFC14-200	401.8		47					2	2.00	
SYIC-19176-AD+B	BT50CxSFC16-100	201.8		50		27	32	M12x1.75P	1	1.20	
SYIC-19176-135-AD+B	BT50CxSFC16-135	236.8		50						2	1.40
SYIC-19177-AD+B	BT50CxSFC16-165	366.8		50		20	36	M12x1.75P	2	1.50	
SYIC-19177-200-AD+B	BT50CxSFC16-200	401.8		50					2	2.00	
SYIC-19178-AD+B	BT50CxSFC18-110	211.8		52		33	38	M12x1.75P	1	1.30	
SYIC-19178-135-AD+B	BT50CxSFC18-135	236.8		52						2	1.50
SYIC-19179-AD+B	BT50CxSFC18-165	366.8		52		22	36	M12x1.75P	2	2.00	
SYIC-19179-200-AD+B	BT50CxSFC18-200	401.8		52					2	2.10	
SYIC-19180-AD+B	BT50CxSFC20-110	211.8		52		33	38	M16x2.0P	1	1.40	
SYIC-19180-135-AD+B	BT50CxSFC20-135	236.8		52						2	1.50
SYIC-19181-AD+B	BT50CxSFC20-165	366.8		52		24	36	M16x2.0P	2	2.00	
SYIC-19181-200-AD+B	BT50CxSFC20-200	401.8		52					2	2.10	
SYIC-19182-AD+B	BT50CxSFC25-110	211.8		58		44	49	M20x2.0P	1	1.70	
SYIC-19182-135-AD+B	BT50CxSFC25-135	236.8		58						2	1.90
SYIC-19183-AD+B	BT50CxSFC25-165	366.8		58	30	49	M20x2.0P	2	2.10		
SYIC-19183-200-AD+B	BT50CxSFC25-200	401.8		58				2	2.20		
SYIC-19184-AD+B	BT50CxSFC32-110	211.8		58	44	49	M20x2.0P	1	1.70		
SYIC-19184-135-AD+B	BT50CxSFC32-135	236.8		58					2	1.90	
SYIC-19185-AD+B	BT50CxSFC32-165	366.8		58	36	49	M20x2.0P	2	2.10		
SYIC-19185-200-AD+B	BT50CxSFC32-200	401.8		58				2	2.20		



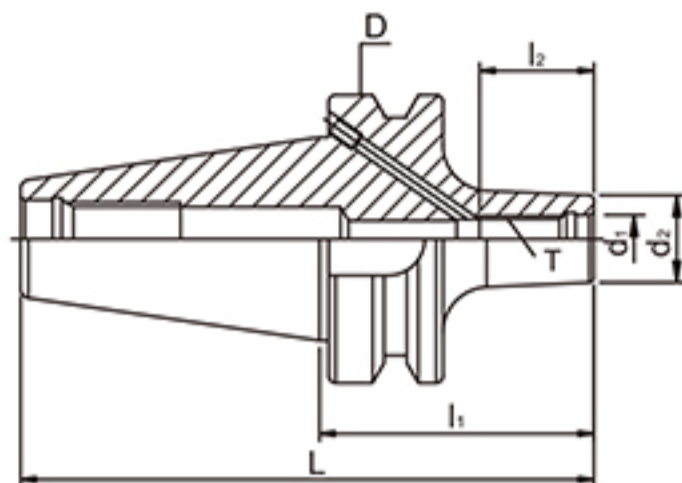
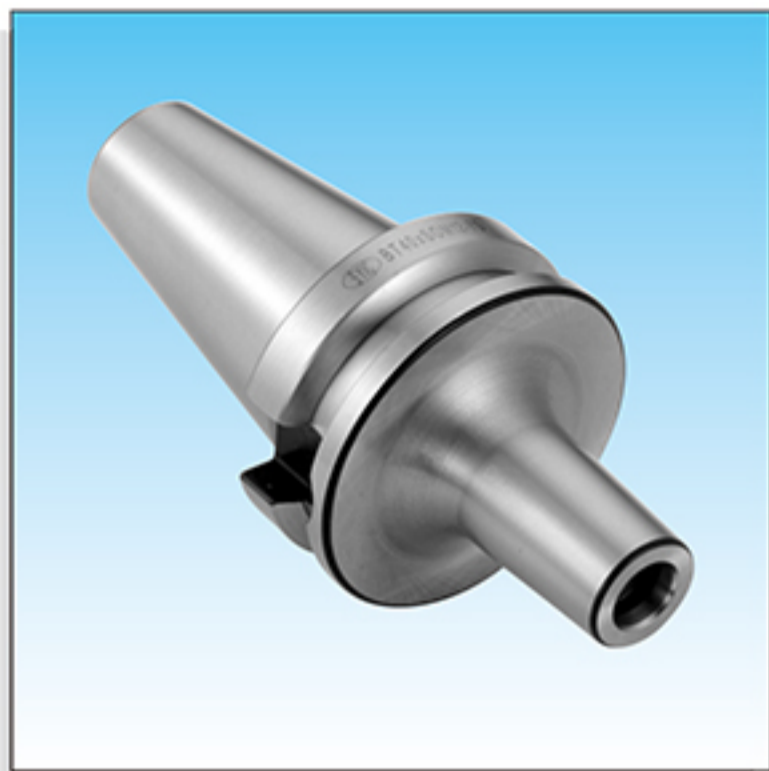


# BT/SOM SCREWED END MILL HOLDER

with coolant feed type

## SYIC-19200-AD+B

BT / SOM 鎖固式銑刀柄



• With coolant feed.

See. SYIC-83740



See. SYIC-83700

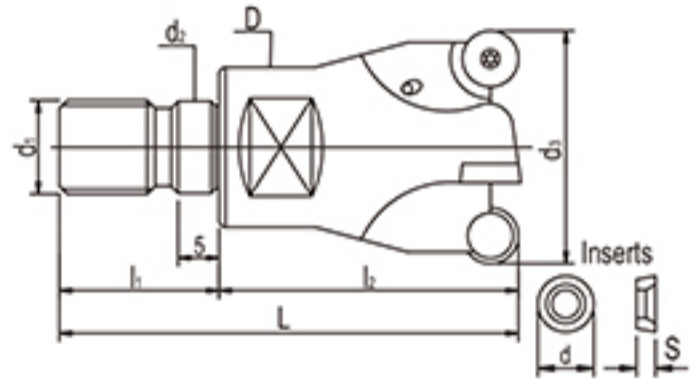


MODEL NO	TYPE - l <sub>1</sub>	L	l <sub>2</sub>	D	d <sub>1</sub>	d <sub>2</sub>	T	WEIGHT (K G S)
SYIC - 19205 -AD+B	BT40CxSOM6-60	152.4	25	63	6.5	13	M6 x1.0 P	1.1
SYIC - 19206 -AD+B	BT40CxSOM8-60	152.4	25	63	8.5	15	M8 x1.25P	1.1
SYIC - 19208 -AD+B	BT40CxSOM10-60	152.4	25	63	10.5	19	M10x1.5 P	1.2
SYIC - 19210 -AD+B	BT40CxSOM12-70	162.4	31	63	12.5	21	M12x1.75P	1.2
SYIC - 19212 -AD+B	BT40CxSOM12-100	192.4	31	63	12.5	21	M12x1.75P	1.3
SYIC - 19214 -AD+B	BT40CxSOM16-80	182.4	31	63	17	25	M16x2.0 P	1.2
SYIC - 19230 -AD+B	BT50CxSOM6-60	161.8	25	100	6.5	13	M6 x1.0 P	3.0
SYIC - 19232 -AD+B	BT50CxSOM8-60	161.8	25	100	8.5	15	M8 x1.25P	3.0
SYIC - 19234 -AD+B	BT50CxSOM10-60	161.8	25	100	10.5	19	M10x1.5 P	3.0
SYIC - 19236 -AD+B	BT50CxSOM12-70	171.8	31	100	12.5	21	M12x1.75P	3.0
SYIC - 19238 -AD+B	BT50CxSOM12-100	201.8	31	100	12.5	21	M12x1.75P	3.0
SYIC - 19240 -AD+B	BT50CxSOM16-80	219.8	31	100	17	25	M16x2.0 P	3.0



## SYIC-83700

### STR 接合式切削刀具

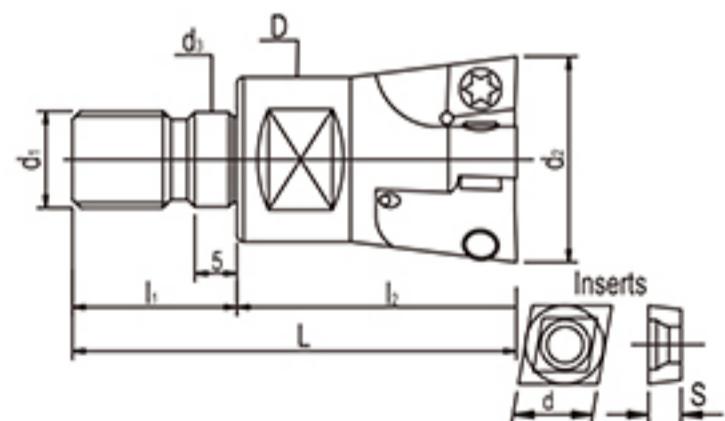


MODEL NO	TYPE	L	l <sub>1</sub>	l <sub>2</sub>	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Inserts	d	S
SYIC - 83702	STR-2.5R12M6-2T	39	17	22	10	M6	6.5	12	RDHW0501	5	
SYIC - 83704	STR-3.5R16M8-2T	41	18	23	13.5	M8	8.5	16	RDHW0702	7	2.38
SYIC - 83706	STR-3.5R20M10-3T	49	19	30	18	M10	10.5	20			
SYIC - 83708	STR-3.5R25M12-3T	58	23	35	21	M12	12.5	25			
SYIC - 83710	STR-5R25M12-2T										
SYIC - 83712	STR-5R30M16-3T	67	25	42	26	M16	17	30	RDHW1003	10	3.18
SYIC - 83714	STR-5R35M16-4T				29						

# DM ENGAGING CUTTING TOOL

## SYIC-83740

### DM 接合式切削刀具



MODEL NO	TYPE	L	l <sub>1</sub>	l <sub>2</sub>	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	Inserts	d	S
SYIC - 83742	DM-0412M6-2T	39	17	22	10	M6	6.5	12	EPGT0402	4.76	2.38
SYIC - 83744	DM-0416M8-4T	41	18	23	13.5	M8	8.5	16			
SYIC - 83746	DM-0420M10-4T	49	19	30	18	M10	10.5	20			
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						





# BT/SLP SLIM-FIT COLLET CHUCK

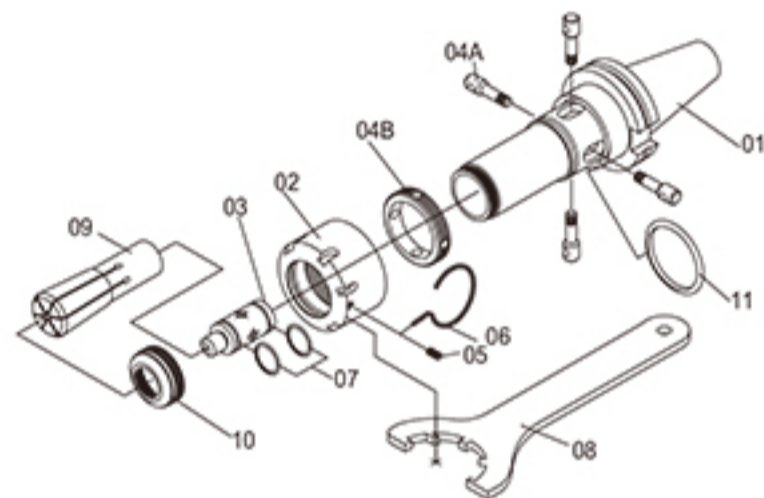
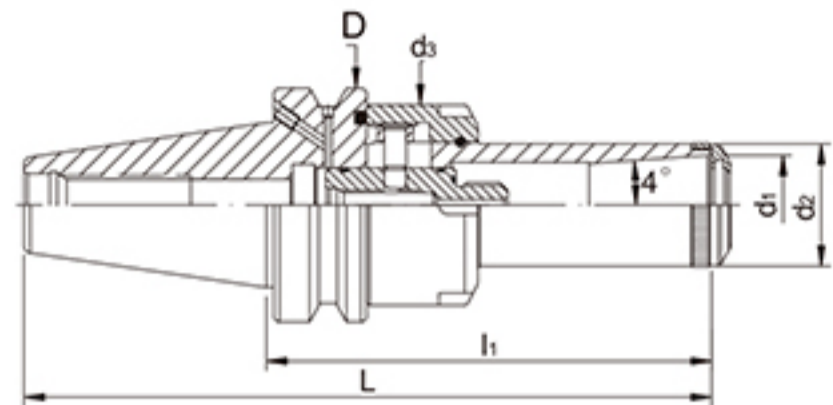
Outside Lock Precision Shank

with coolant feed type

## SYIC-19250-AD+B

BT / SLP 立銑刀夾頭

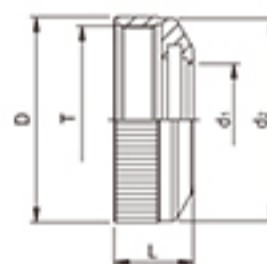
DIN 69871-AD+B



### FEATURES

1. Turn the nut, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
2. Balanced to 8000 RPM at G2.5.
3. Enlarge the clamping face of holder and cutting tool up to 1/3.
4. Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
5. Precision : 0.005mm (4D length).

### SLP COOLANT NUT

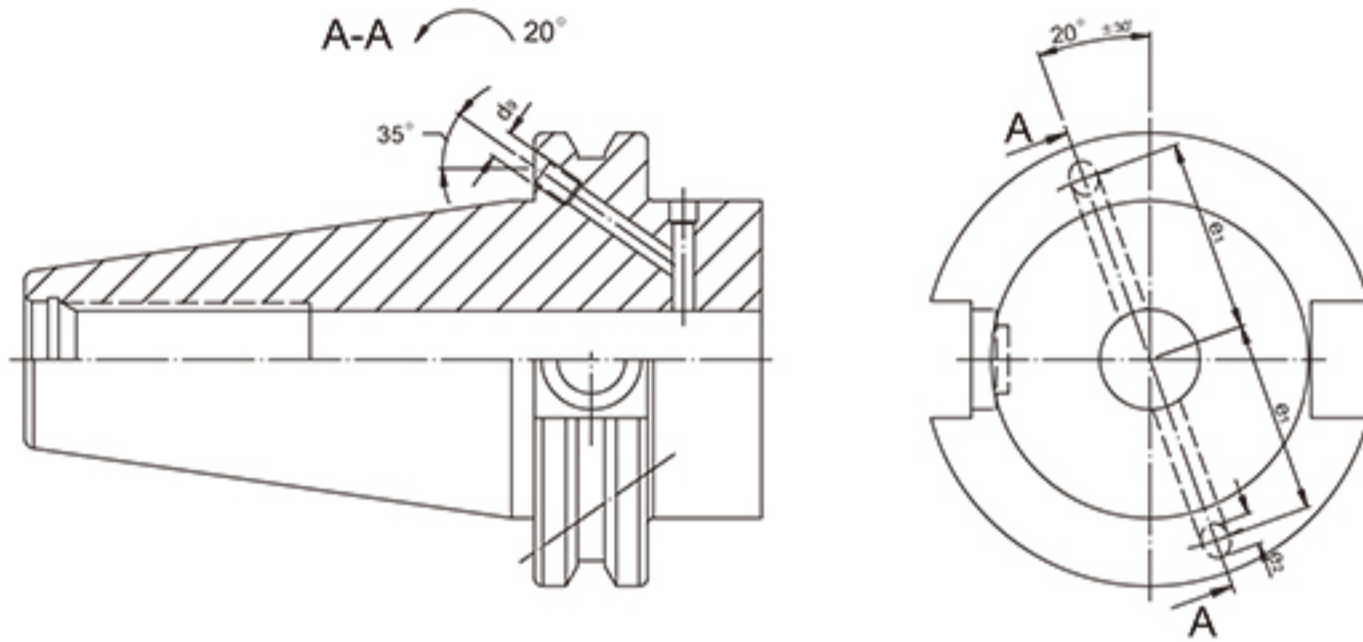


NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	6	Steel ball
2	Nut	7	O-Ring
3	Coupled Screw	8	Spanner
4A	Drive Screw	9	Collet
4B	Drive Screw Ring	10	COOLANT NUT
5	Set Screw	11	O-Ring

MODEL NO	TYPE	L	D	d <sub>1</sub>	d <sub>2</sub>	T
SYIC - 19294	SLP-12	11	24	11.1	23.5	M22x0.7P
SYIC - 19296	SLP-20	13.5	35	19.1	34.5	M32x20.7P

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	WEIGHT (K G S)
SYIC - 19268 - AD+B	BT40CxSLP12-110	175.4	63	18	25	48	1.30
SYIC - 19270 - AD+B	BT40CxSLP12-150	215.4					1.45
SYIC - 19272 - AD+B	BT40CxSLP20-120	185.4		27	35.5	56	1.48
SYIC - 19274 - AD+B	BT40CxSLP20-150	215.4					1.90
SYIC - 19284 - AD+B	BT50CxSLP12-125	226.8	100	18	25	48	4.30
SYIC - 19286 - AD+B	BT50CxSLP12-150	251.8					4.65
SYIC - 19288 - AD+B	BT50CxSLP20-135	236.8		27	35.5	56	4.55
SYIC - 19290 - AD+B	BT50CxSLP20-150	251.8					4.95





TYPE	d9	e1 ±0.1	e2 MAX
CAT 40	4	27	5
CAT 50	6	42	7

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 < 0.5 μ m.
6. The shank has pre-balance at G6.3, and can provided precision balance at G2.5, made by request.
7. Shank body standard: ANSI B5.50-AD+B





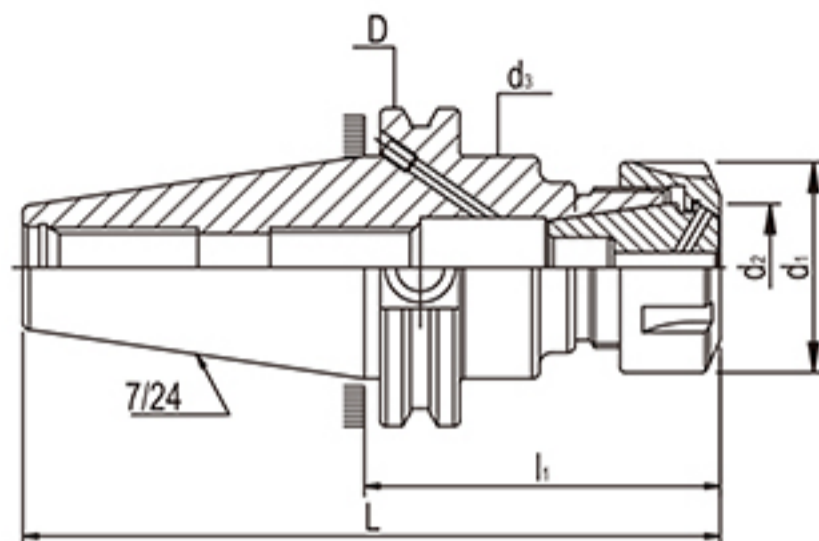
# CAT / ER COLLET CHUCK

with coolant feed type

## SYIC-22200-AD+B

## CAT/ER 立銑刀夾頭

DIN 69871-AD+B



- With coolant feed.
- ER collet chuck please see .SYIC-08300  
ER collet chuck please see .SYIC-08400  
coolant rings please see .SYIC-08500
- Thread with precision ground
- The length (l1) which small than 100mm with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5 made on request.

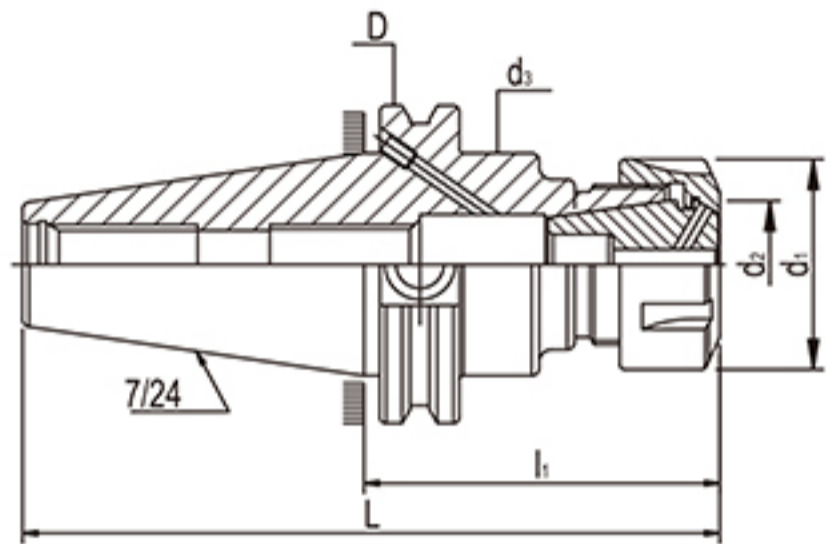
### INCHES

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	T	WEIGHT (K G S)				
SYIC - 22224 -AD+B	CAT40CxER16-2"	4.687	2.5	1.102	0.63	1.75	M10x1.5P	1.00				
SYIC - 22225 -AD+B	CAT40CxER16-2.76"	5.447						1.05				
SYIC - 22227 -AD+B	CAT40CxER16-4"	6.687						1.35				
SYIC - 22230 -AD+B	CAT40CxER16-5"	7.687						1.55				
SYIC - 22231 -AD+B	CAT40CxER16-6"	8.687						1.65				
SYIC - 22233 -AD+B	CAT40CxER16-8"	10.687						1.85				
SYIC - 22235 -AD+B	CAT40CxER20-2.76"	5.447		1.339	0.788	1.75	M12x1.75P	1.25				
SYIC - 22237 -AD+B	CAT40CxER20-4"	6.687						1.65				
SYIC - 22239 -AD+B	CAT40CxER20-6"	8.687						1.85				
SYIC - 22243 -AD+B	CAT40CxER25-2.76"	5.447		1.654	0.984	1.75	M16x2.0P	1.35				
SYIC - 22245 -AD+B	CAT40CxER25-4"	6.687						1.70				
SYIC - 22247 -AD+B	CAT40CxER25-6"	8.687						2.25				
SYIC - 22251 -AD+B	CAT40CxER25-8"	10.687						2.55				
SYIC - 22253 -AD+B	CAT40CxER32-2.76"	5.447						1.969	1.26	1.75	M16x2.0P	1.25
SYIC - 22254 -AD+B	CAT40CxER32-3"	5.687										1.55
SYIC - 22255 -AD+B	CAT40CxER32-4"	6.687		1.75								
SYIC - 22257 -AD+B	CAT40CxER32-6"	8.687		2.15								
SYIC - 22259 -AD+B	CAT40CxER32-8"	10.687		2.65								
SYIC - 22261 -AD+B	CAT40CxER40-3.15"	5.837		2.48	1.575	1.75	M20x2.0P	2.65				
SYIC - 22263 -AD+B	CAT40CxER40-4"	6.687						2.05				
SYIC - 22265 -AD+B	CAT40CxER40-6"	8.687	3.30									
SYIC - 22269 -AD+B	CAT40CxER50-4"	5.837	3.07	1.969	1.75	M24x2.0P	2.65					



## SYIC-22200-AD+B

## CAT/ER 立銑刀夾頭



- With coolant feed.
- ER collet chuck please see .SYIC-08300  
ER collet chuck please see .SYIC-08400  
coolant rings please see .SYIC-08500
- Thread with precision ground
- The length (l1) which small than 100mm with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5 made on request.

### INCHES

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	T	WEIGHT (K G S)
SYIC - 22280 -AD+B	CAT50CxER16-3"	7	3.875	1.102	0.63	2.75	M10x1.5P	4.00
SYIC - 22281 -AD+B	CAT50CxER16-4"	8						4.10
SYIC - 22283 -AD+B	CAT50CxER16-5"	9						4.20
SYIC - 22285 -AD+B	CAT50CxER16-6"	10						4.28
SYIC - 22287 -AD+B	CAT50CxER16-8"	12						4.40
SYIC - 22291 -AD+B	CAT50CxER20-4"	8						4.20
SYIC - 22293 -AD+B	CAT50CxER20-6"	10		1.339	0.788	M12x1.75P	4.45	
SYIC - 22295 -AD+B	CAT50CxER20-8"	12		4.60				
SYIC - 22303 -AD+B	CAT50CxER25-4"	8		4.15				
SYIC - 22305 -AD+B	CAT50CxER25-6"	10		1.654	0.984	M16x2.0P	4.50	
SYIC - 22307 -AD+B	CAT50CxER25-8"	12		4.70				
SYIC - 22311 -AD+B	CAT50CxER32-4"	8		4.35				
SYIC - 22313 -AD+B	CAT50CxER32-6"	10		1.969	1.26	M16x2.0P	4.60	
SYIC - 22317 -AD+B	CAT50CxER32-8"	12		4.90				
SYIC - 22321 -AD+B	CAT50CxER40-4"	8		4.25				
SYIC - 22322 -AD+B	CAT50CxER40-3.5"	7.5		2.48	1.575	M20x2.0P	4.15	
SYIC - 22325 -AD+B	CAT50CxER40-6"	10	4.80					
SYIC - 22327 -AD+B	CAT50CxER40-8"	12	5.10					
SYIC - 22331 -AD+B	CAT50CxER50-4"	8	4.85					
SYIC - 22335 -AD+B	CAT50CxER50-6"	10	3.07	1.969	M24x2.0P	5.55		
SYIC - 22337 -AD+B	CAT50CxER50-8"	12	5.70					



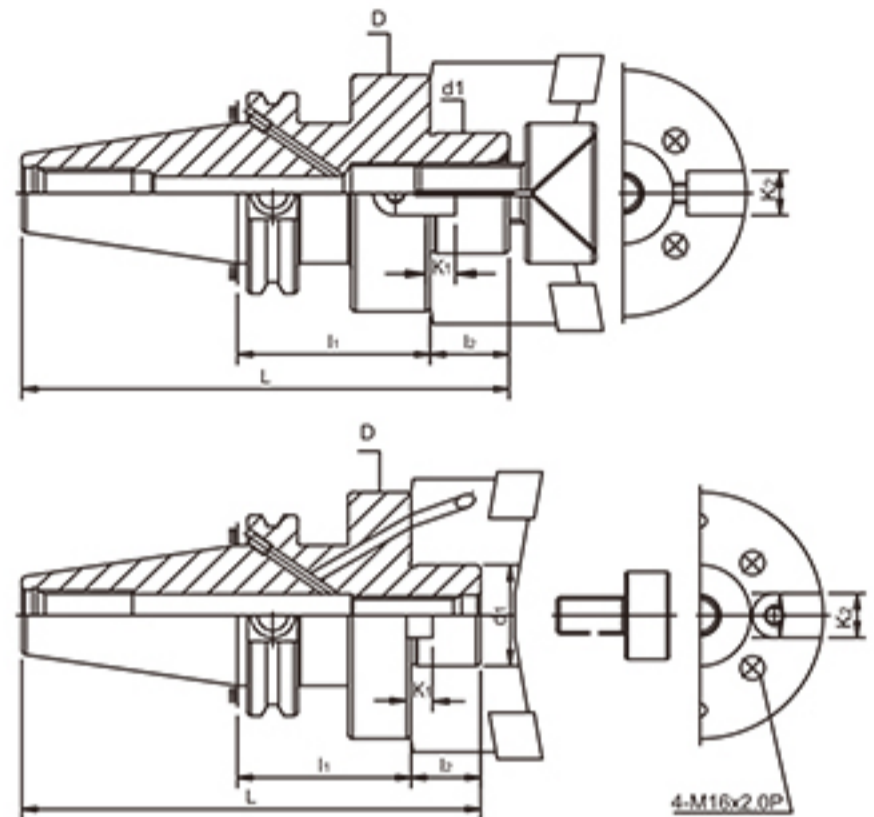
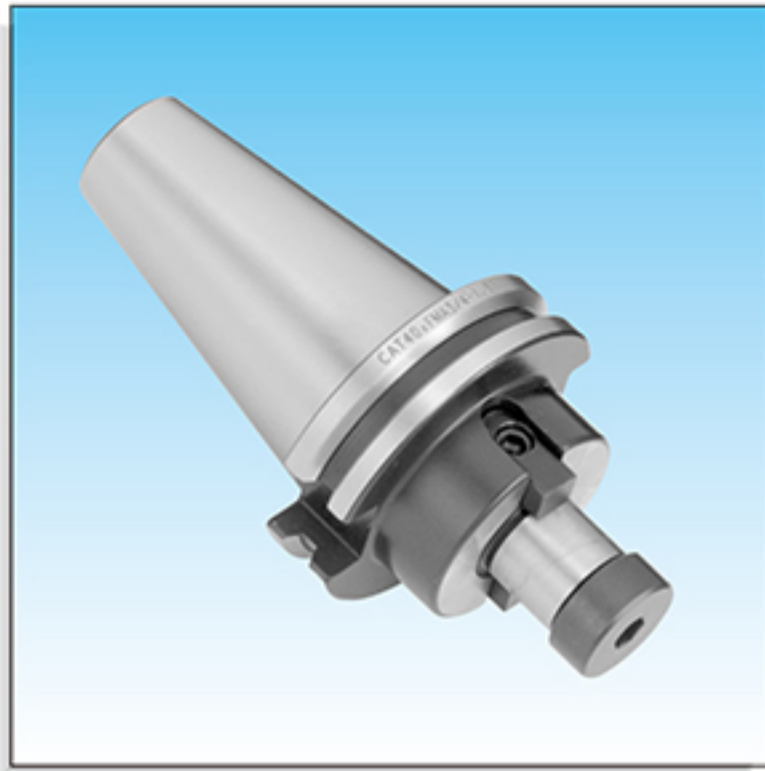


# CAT / FMA FACE MILL ARBOR

with coolant feed type

SYIC-22700-AD+B

CAT / FMA 平面銑刀柄



- d1 tolerance:h6
- 7/24 taper precision tolerance AT3.
- With coolant feed.
- Please indicate the way of coolant feed of Face Cutter when ordering.

INCHES

MODEL NO	TYPE - L	L	l <sub>2</sub>	l <sub>3</sub>	d <sub>1</sub>	D	K <sub>1</sub>	K <sub>2</sub>	WEIGHT (K G S)
SYIC-22711-AD+B	CAT40CxFMA3/4"-1.5"	4.744		0.512	0.925	1.690	0.188	0.3125	1.5
SYIC-22713-AD+B	CAT40CxFMA1" -2.06"	5.434	0.687	0.630	1.240	2.190	0.188	0.375	2.4
SYIC-22715-AD+B	CAT40CxFMA1-1/4"-2.21"	5.584		0.630	1.614	2.750	0.250	0.500	2.6
SYIC-22717-AD+B	CAT40CxFMA1-1/2"-2.21"	5.835	0.938	0.807	1.752	3.810	0.349	0.625	2.7
SYIC-22721-AD+B	CAT50CxFMA3/4" -1.5"	6.187		0.512	0.925	1.690	0.188	0.375	4.2
SYIC-22723-AD+B	CAT50CxFMA1" -2"	6.687	0.687	0.630	1.240	2.190	0.188	0.375	4.5
SYIC-22725-AD+B	CAT50CxFMA1-1/4"-1.5"	6.187		0.630	1.614	2.750	0.250	0.500	4.7
SYIC-22727-AD+B	CAT50CxFMA1-1/2"-2.4"			0.807	1.752	3.810	0.349	0.625	5.0
SYIC-22729-AD+B	CAT50CxFMA2" -2.4"	7.338	0.938	0.807	2.500	4.880	0.384	0.750	5.4



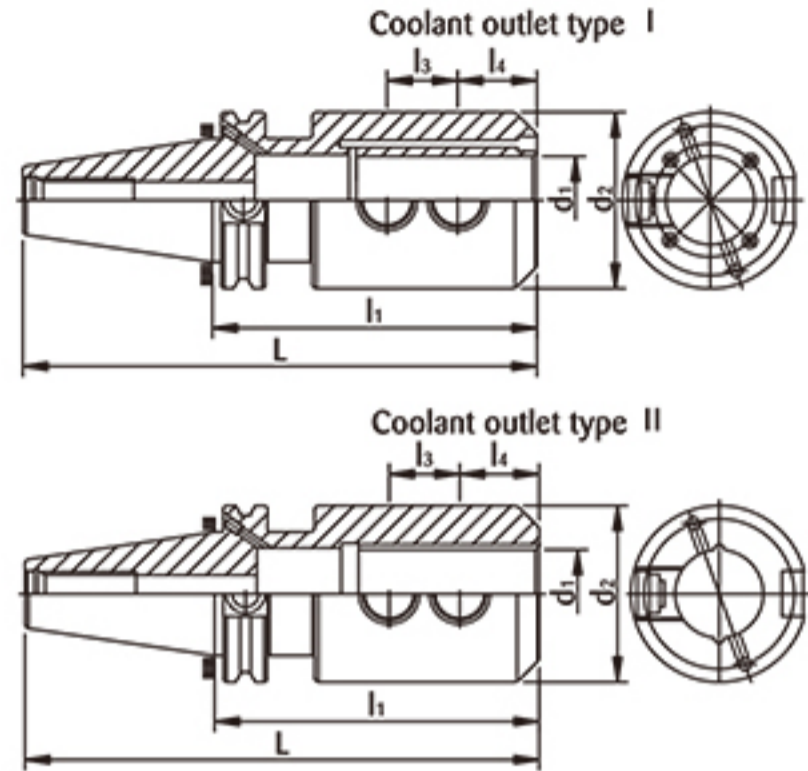


# CAT/SLN SIDE LOCK END MILL HOLDER

with coolant feed type

## SYIC-22900-AD+B

## CAT/SLN 側固式立銑刀柄



- Diameter permissible tolerance within h5 .
- With coolant feed.
- Please specify which type of coolant outlet you are need when ordering.

### INCHES

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	$l_3$	$d_2$	T	WEIGHT (K G S)
SYIC -22907 -AD+B	CAT40CxSLN	1/8" -2.375	5.062	0.370		0.690	6# 32	1.15
SYIC -22909 -AD+B	CAT40CxSLN	3/16" -2.5"	5.187	0.562		0.690	8# 32	1.20
SYIC -22911 -AD+B	CAT40CxSLN	1/4" -3"	5.687			0.780	1/4 -28	1.15
SYIC -22913 -AD+B	CAT40CxSLN	5/16" -3"				0.880	5/16-24	1.20
SYIC -22915 -AD+B	CAT40CxSLN	3/8" -3"		0.750		1.000	3/8 -24	1.25
SYIC -22917 -AD+B	CAT40CxSLN	1/2" -3"		0.875		1.250	7/16-20	1.40
SYIC -22919 -AD+B	CAT40CxSLN	5/8" -3"		0.937	0.875	1.500	1/2 -20	1.50
SYIC -22921 -AD+B	CAT40CxSLN	3/4" -3"		1.000		1.750	5/8 -18	1.65
SYIC -22923 -AD+B	CAT40CxSLN	7/8" -3.5"	6.187	1.063	1.880	2.55		
SYIC -22925 -AD+B	CAT40CxSLN	1" -4"	6.687		1.000	2.000	2.80	
SYIC -22927 -AD+B	CAT40CxSLN	1-1/4"-4.6"	7.287	1.125		2.500	3/4 -16	2.90
SYIC -22929 -AD+B	CAT40CxSLN	1-1/2"-4.5"	7.187			2.500		3.20
SYIC -22931 -AD+B	CAT50CxSLN	1/4" -4"	8.000			0.780	1/4 -28	3.95
SYIC -22933 -AD+B	CAT50CxSLN	5/16" -4"		0.630		0.880	5/16-24	3.95
SYIC -22935 -AD+B	CAT50CxSLN	3/8" -4"		0.781		1.000	3/8 -24	4.00
SYIC -22937 -AD+B	CAT50CxSLN	1/2" -4"		0.875		1.250	7/16-20	4.15
SYIC -22939 -AD+B	CAT50CxSLN	5/8" -4"		0.937		1.500	1/2 -20	4.30
SYIC -22941 -AD+B	CAT50CxSLN	3/4" -4"		1.000		1.750	5/8 -18	4.35
SYIC -22943 -AD+B	CAT50CxSLN	7/8" -4"	1.063	0.875	1.880	5.30		
SYIC -22945 -AD+B	CAT50CxSLN	1" -4"			2.000		5.50	
SYIC -22947 -AD+B	CAT50CxSLN	1-1/4"-4.6"	8.600	1.125	1.000	2.500	3/4 -16	5.65
SYIC -22949 -AD+B	CAT50CxSLN	1-1/2"-4.6"						5.70
SYIC -22951 -AD+B	CAT50CxSLN	2" -4.6"	10.00	1.335	1.410	3.750		5.90





# STRAIGHT COLLET CAT MULTI-LOCK COLLET CHUCK DOUBLE FACE CONTACT TYPE

with coolant feed type

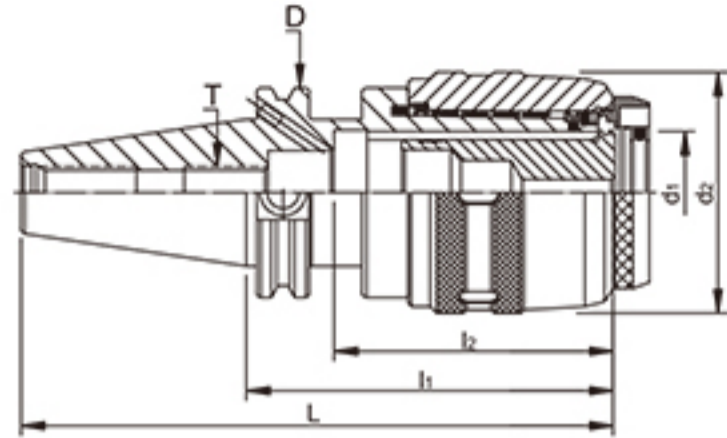
## SYIC-23200-AD+B

CAT/MLD 直式筒夾 銑床夾頭

DIN 69871-AD+B



PAT NO: M3101740  
PAT NO: M248535  
PAT NO: M284488  
PAT NO: M255088



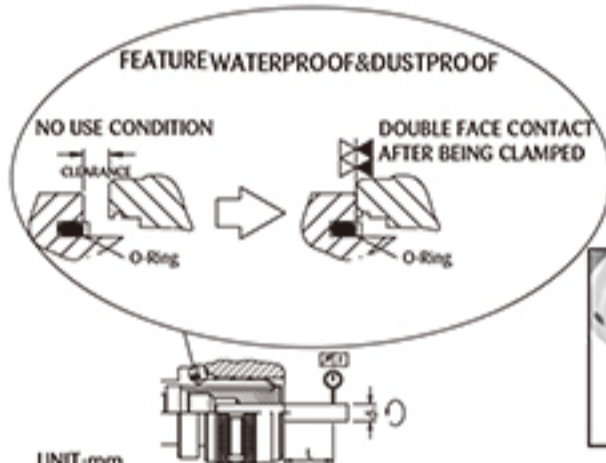
- The pre-balance can reach G6.3 8,000 rpm, without the inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

### SLITTING

This type of end mill shank and collet have oil and chips, It's slotted into six in order to prevent silpping and to chuck precisely

### NEEDLE BEARING

It adopts two-line system in order to minimize rolling friction and slipping during slide on taper surface.



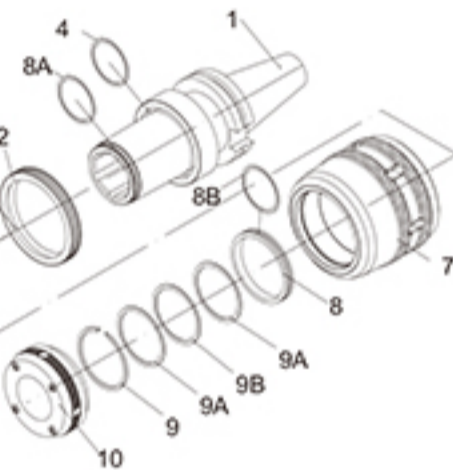
### Benefit:

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



• 4 adjustable coolant ports for directing coolant.

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



NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	8	Coolant Ring
2	Screw	8A	Oil Seal
3	Oil Seal	8B	Oil Seal
4	Oil Seal	9	Retaining Ring
5	Bearing Cage	9A	washer
6	Needle Roller	9B	Oil Seal
7	Chuck Nut	10	Clamping End Cap

• Straight shank coolant collet see.SYIC-19460

• MLD coolant Nut see.SYIC-19480

• MLD SET SCREW See.SYIC-15945

UNIT:mm

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

### INCHES

MODEL NO	TYPE	L	l <sub>1</sub>	l <sub>2</sub>	T	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC-23200-AD+B	CAT40CxMLD3/4"-4"	6.687	4.000	2.165	5/8"-11UNC	2.500	0.750	2.170	1.90
SYIC-23202-AD+B	CAT40CxMLD3/4"-6"	8.687	6.000						2.10
SYIC-23204-AD+B	CAT40CxMLD1"-4"	6.887	4.000				2.40		
SYIC-23208-AD+B	CAT40CxMLD1"-6"	8.687	6.000				2.50		
SYIC-23210-AD+B	CAT40CxMLD1-1/4"-4.2"	6.887	4.200	2.560			1.250	2.870	2.50
SYIC-23212-AD+B	CAT40CxMLD1-1/4"-6"	8.687	6.000						2.70
SYIC-23214-AD+B	CAT50CxMLD3/4"-4"	8.000	4.000	2.165	1"-8UNC	3.875	0.750	2.170	2.50
SYIC-23216-AD+B	CAT50CxMLD3/4"-6"	10.00	6.000						2.80
SYIC-23218-AD+B	CAT50CxMLD1"-4"	8.000	4.000				2.90		
SYIC-23220-AD+B	CAT50CxMLD1"-6"	10.00	6.000				2.70		
SYIC-23222-AD+B	CAT50CxMLD1-1/4"-4.13"	8.130	4.130	2.560			1.250	2.870	2.70
SYIC-23224-AD+B	CAT50CxMLD1-1/4"-6"	10.00	6.000						3.00





# CAT/SLP SLIM-FIT COLLET CHUCK

Outside Lock Precision Shank

with coolant feed type

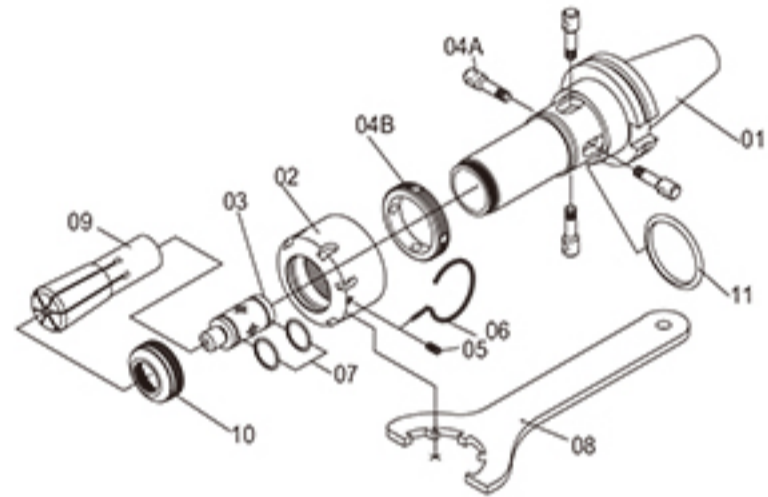
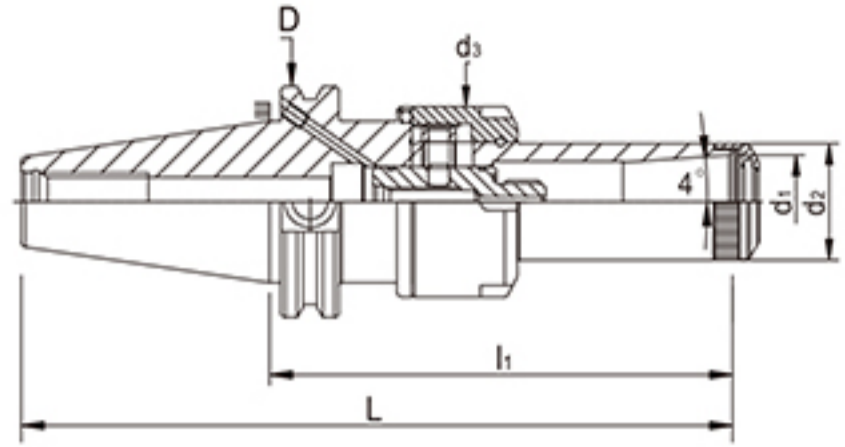
**SYIC-23550-AD+B**

**CAT/SLP 立銑刀夾頭**

**DIN 69871-AD+B**



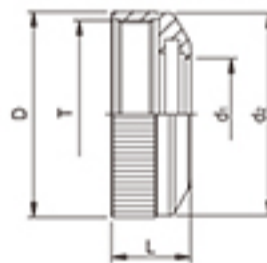
PAT NO. 199381  
GERMANY 20120727.3  
ZL 01275311.4



**FEATURES**

- Turn the nut, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
- Balanced to 8000 RPM at G2.5.
- Enlarge the clamping face of holder and cutting tool up to 1/3.
- Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
- Precision : 0.005mm (4D length).

**SLP COOLANT NUT**



NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	6	Steel ball
2	Nut	7	O-Ring
3	Coupled Screw	8	Spanner
4A	Drive Screw	9	Collet
4B	Drive Screw Ring	10	COOLANT NUT
5	Set Screw	11	O-Ring

MODEL NO	TYPE	L	D	d <sub>1</sub>	d <sub>2</sub>	T
SYIC - 19294	SLP-12	11	24	11.1	23.5	M22x0.7P
SYIC - 19296	SLP-20	13.5	35	19.1	34.5	M32x20.7P

**INCHES**

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	WEIGHT (K G S)
SYIC - 23556 - AD+B	CAT40CxSLP12-4.7"	7.387	2.500	0.709	0.984	1.889	1.30
SYIC - 23558 - AD+B	CAT40CxSLP12-6"	8.687					1.50
SYIC - 23560 - AD+B	CAT40CxSLP20-5.32"	8.002					1.50
SYIC - 23562 - AD+B	CAT40CxSLP20-6"	8.687					1.70
SYIC - 23568 - AD+B	CAT50CxSLP12-4.7"	8.700	3.875	0.709	0.984	1.889	4.30
SYIC - 23570 - AD+B	CAT50CxSLP12-6"	10.00					4.50
SYIC - 23576 - AD+B	CAT50CxSLP20-5.32"	9.315					4.55
SYIC - 23578 - AD+B	CAT50CxSLP20-6"	10.00					5.00





# CAT/ SBL SLIM-FIT COLLET CHUCK

with coolant feed type

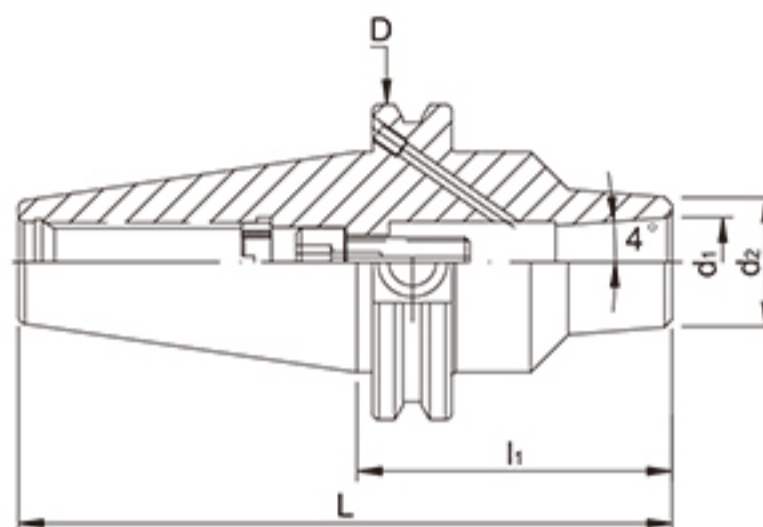
## SYIC-23650-AD+B

CAT / SBL 後拉式立銑刀夾頭

DIN 69871-AD+B



PAT NO. M274178



### FEATURES

- Turn the screw, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
- Balanced to 8000 RPM at G2.5.
- Enlarge the clamping face of holder and cutting tool up to 1/3.
- Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
- Precision : 0.005mm (4D length).
- With coolant feed.

### INCHES

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	T	WEIGHT (K G S)			
SYIC - 23654 - AD+B	CAT40CxSBL6-3"	5.387	2.500	0.390	0.551	M6 x1.0 P	1.00			
SYIC - 23656 - AD+B	CAT40CxSBL6-4"	6.387					1.25			
SYIC - 23658 - AD+B	CAT40CxSBL6-6"	8.387					1.20			
SYIC - 23660 - AD+B	CAT40CxSBL12-2.5"	5.187		0.709	1.024	M10x1.5 P	1.45			
SYIC - 23662 - AD+B	CAT40CxSBL12-4"	6.387					1.20			
SYIC - 23664 - AD+B	CAT40CxSBL12-6"	8.387					1.45			
SYIC - 23666 - AD+B	CAT40CxSBL20-2.5"	5.187					1.063	1.378	M12x1.75P	1.20
SYIC - 23668 - AD+B	CAT40CxSBL20-4"	6.387								1.60
SYIC - 23670 - AD+B	CAT40CxSBL20-6"	8.387								1.50
SYIC - 23672 - AD+B	CAT50CxSBL6-3.5"	7.500	3.875	0.390	0.551	M6 x1.0 P	1.70			
SYIC - 23674 - AD+B	CAT50CxSBL6-4.5"	8.500					1.50			
SYIC - 23676 - AD+B	CAT50CxSBL6-6"	10.00					1.70			
SYIC - 23678 - AD+B	CAT50CxSBL12-2.5"	6.500		0.709	1.024	M10x1.5 P	4.00			
SYIC - 23680 - AD+B	CAT50CxSBL12-4.5"	8.500					4.10			
SYIC - 23682 - AD+B	CAT50CxSBL12-6"	10.00					4.20			
SYIC - 23684 - AD+B	CAT50CxSBL20-2.5"	6.500		1.063	1.378	M12x1.75P	4.30			
SYIC - 23686 - AD+B	CAT50CxSBL20-4.5"C	8.500					4.60			
SYIC - 23688 - AD+B	CAT50xSBL20-6"	10.00					4.70			





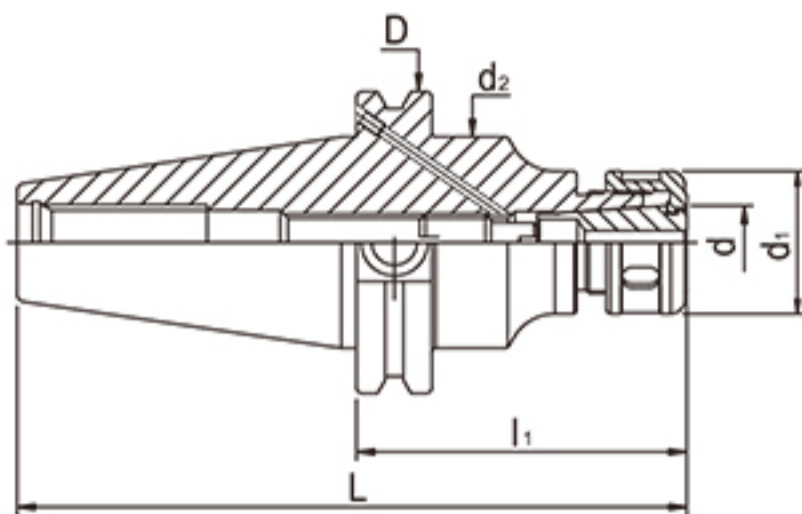
# CAT/ SKS COLLET CHUCK

with coolant feed type

## SYIC-23700-AD+B

CAT / SKS 高速機専用夾頭

DIN 69871-AD+B



- Highest accuracy : run -out accuracy is less than  $5 \mu\text{m}$  at  $4D$  diameter of the cutting tool length.
- Can provided balanced 20000 rpm at G2.5 made on request.
- $4^\circ$  collect taper : provides increased gripping power, concentricity and rigidity.
- With coolant feed.

### INCHES

MODEL NO	TYPE - $l_1$	L	D	d	$d_1$	$d_2$	WEIGHT (K G S)
SYIC-23712 -AD+B	CAT40xSKS6 -3.5"	6.187	2.5	0.589	0.709	1.750	1.05
SYIC-23714 -AD+B	CAT40xSKS6 -4"	7.187					1.65
SYIC-23716 -AD+B	CAT40xSKS10-3.5"	6.187					1.05
SYIC-23718 -AD+B	CAT40xSKS10-4"	7.187					1.65
SYIC-23722 -AD+B	CAT40xSKS16-3.5"	6.187					1.35
SYIC-23724 -AD+B	CAT40xSKS16-4"	7.187					2.10
SYIC-23732 -AD+B	CAT40xSKS25-3.5"	6.187					1.35
SYIC-23734 -AD+B	CAT40xSKS25-4"	7.187					2.20
SYIC-23742 -AD+B	CAT50xSKS6 -3.5"	7.500	3.875	0.589	0.709	2.750	3.60
SYIC-23744 -AD+B	CAT50xSKS6 -4"	8.000					4.00
SYIC-23746 -AD+B	CAT50xSKS10-4"	8.000					3.80
SYIC-23748 -AD+B	CAT50xSKS10-4.5"	8.500					4.00
SYIC-23752 -AD+B	CAT50xSKS16-4"	8.000					4.00
SYIC-23754 -AD+B	CAT50xSKS16-4.5"	8.500					4.15
SYIC-23762 -AD+B	CAT50xSKS25-4"	8.000					4.20
SYIC-23764 -AD+B	CAT50xSKS25-4.5"	8.500					4.40



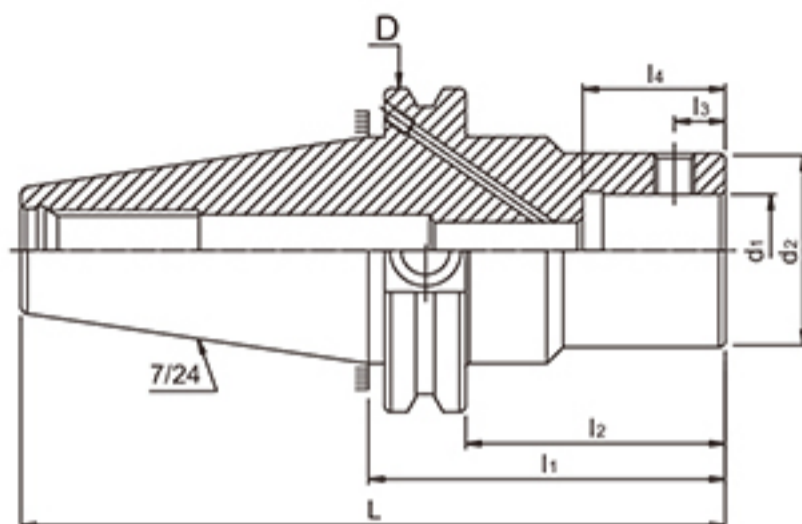


# CAT / SCK BORING HEAD SHANK

with coolant feed type

## SYIC-27900-AD+B

CAT / SCK 粗/精 搪頭刀柄



- Able to use with extension spacer, more convenience for cutting.
- With coolant feed.

### INCHES

MODEL NO	TYPE - l <sub>1</sub>	L	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)										
SYIC-27910 -AD+B	CAT40CxSCK1-3"	5.687	2.375	0.199	0.590	2.500	0.433	0.748	1.20										
SYIC-27912 -AD+B	CAT40CxSCK1-3.75"	6.437	3.125						1.25										
SYIC-27914 -AD+B	CAT40CxSCK2-3"	5.687	2.375	0.261	0.728				0.551	0.906	1.30								
SYIC-27916 -AD+B	CAT40CxSCK2-4.35"	7.037	3.725								1.35								
SYIC-27918 -AD+B	CAT40CxSCK3-3"	5.687	2.375	0.315	0.866						0.709	1.201	1.40						
SYIC-27920 -AD+B	CAT40CxSCK3-5"	7.687	4.375										1.45						
SYIC-27922 -AD+B	CAT40CxSCK4-3"	5.687	2.375	0.394	0.945								0.866	1.496	1.50				
SYIC-27924 -AD+B	CAT40CxSCK4-4.25"	6.937	3.625												1.55				
SYIC-27926 -AD+B	CAT40CxSCK5-3"	5.687	2.375	0.512	1.181										1.102	1.929	1.60		
SYIC-27928 -AD+B	CAT40CxSCK5-4.25"	6.937	3.625														1.65		
SYIC-27930 -AD+B	CAT40CxSCK6-3"	5.687	2.375	0.630	1.575												1.417	2.441	1.70
SYIC-27932 -AD+B	CAT40CxSCK6-4.25"	6.937	3.625																1.75
SYIC-27934 -AD+B	CAT50CxSCK1-3.5"	7.500	2.875	0.199	0.590	3.875	0.433	0.748											3.30
SYIC-27936 -AD+B	CAT50CxSCK1-4"	8.000	3.375																3.35
SYIC-27938 -AD+B	CAT50CxSCK2-3.5"	7.500	2.875	0.261	0.728				0.551	0.906									3.40
SYIC-27940 -AD+B	CAT50CxSCK2-5.3"	9.300	4.675																3.45
SYIC-27942 -AD+B	CAT50CxSCK3-3.5"	7.500	2.875	0.315	0.866						0.709	1.201							3.50
SYIC-27944 -AD+B	CAT50CxSCK3-5.5"	9.500	4.875																3.55
SYIC-27946 -AD+B	CAT50CxSCK4-3.5"	7.500	2.875	0.394	0.945								0.866	1.496					3.60
SYIC-27948 -AD+B	CAT50CxSCK4-5.5"	9.500	4.875																3.65
SYIC-27950 -AD+B	CAT50CxSCK5-3.5"	7.500	2.875	0.512	1.181										1.102	1.929			3.70
SYIC-27952 -AD+B	CAT50CxSCK5-5.5"	9.500	4.875																3.75
SYIC-27954 -AD+B	CAT50CxSCK6-3.5"	7.500	2.875	0.630	1.575												1.417	2.441	3.80
SYIC-27956 -AD+B	CAT50CxSCK6-5.5"	9.500	4.875																3.85





# CAT/SFC SHRINK FIT CHUCK

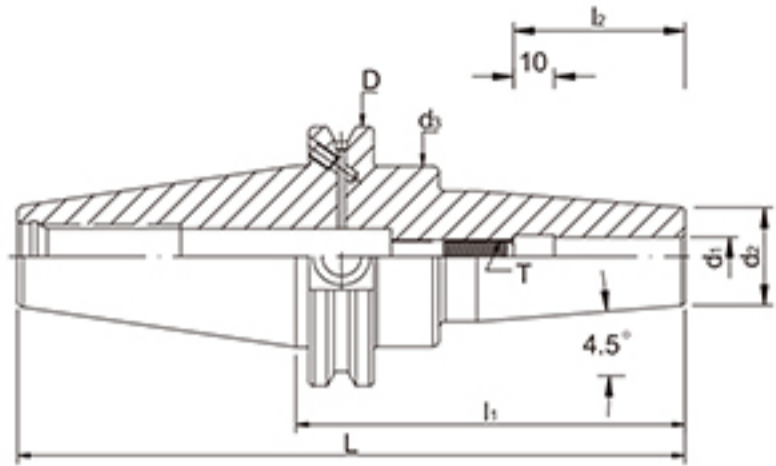
with coolant feed type

## SYIC-29000-AD+B

## CAT / SFC 熱膨脹刀桿



PAT NO. M284478



- Highest rigidity
  - Best TIR
  - Slim design
  - Light (for long reach)
  - Easy handling
  - With coolant feed.
  - Precision: 0.003  $\mu$  m (4D length)
  - Standard revolution to G2.5 20000rpm
- If exceeded to G2.5 20000rpm will be adding price.

### INCHES

MODEL NO	TYPE $d_1 - l_1$	L	$l_1$	D	$d_2$	$d_3$	T	WEIGHT (K G S)
SYIC-29002-AD+B	CAT40CxSFC1/8"-3.5"	6.187	0.79	2.50	0.86	1.37	-	1.0
SYIC-29004-AD+B	CAT40CxSFC1/8"-5"	7.687	0.79		0.86	1.37		1.1
SYIC-29006-AD+B	CAT40CxSFC3/16"-3.5"	6.187	0.79		0.63	0.87		1.1
SYIC-29008-AD+B	CAT40CxSFC3/16"-5"	7.687	0.79		0.63	0.87		1.2
SYIC-29010-AD+B	CAT40CxSFC1/4"-3"	5.687	1.42		0.71	1.06	M8x1.25P	1.2
SYIC-29011-AD+B	CAT40CxSFC1/4"-3.5"	6.187	1.42		0.71	1.06		1.2
SYIC-29013-AD+B	CAT40CxSFC1/4"-5"	7.687	1.42		0.71	1.06		1.4
SYIC-29014-AD+B	CAT40CxSFC1/4"-6"	8.687	1.42		0.71	1.06		1.4
SYIC-29016-AD+B	CAT40CxSFC5/16"-3.5"	6.187	1.42		0.78	1.06		1.2
SYIC-29018-AD+B	CAT40CxSFC5/16"-5"	7.687	1.42		0.78	1.06		1.4
SYIC-29020-AD+B	CAT40CxSFC3/8"-3"	5.687	1.53		0.94	1.26		1.4
SYIC-29021-AD+B	CAT40CxSFC3/8"-3.75"	6.437	1.53		0.94	1.26		1.4
SYIC-29023-AD+B	CAT40CxSFC3/8"-5"	7.687	1.53		0.94	1.26		1.5
SYIC-29024-AD+B	CAT40CxSFC3/8"-6"	8.687	1.53		0.94	1.26		1.6
SYIC-29026-AD+B	CAT40CxSFC1/2"-3"	5.687	1.85		1.10	1.34	M10x1.5P	1.6
SYIC-29027-AD+B	CAT40CxSFC1/2"-3.75"	6.437	1.85		1.10	1.34		1.7
SYIC-29029-AD+B	CAT40CxSFC1/2"-5"	7.687	1.85		1.10	1.34		1.8
SYIC-29030-AD+B	CAT40CxSFC1/2"-6"	8.687	1.85		1.10	1.34	1.8	
SYIC-29032-AD+B	CAT40CxSFC5/8"-3.75"	6.437	1.97		1.26	1.34	M12x1.75P	1.8
SYIC-29034-AD+B	CAT40CxSFC3/4"-3"	5.687	2.04		1.42	1.65	M16x2.0P	1.8
SYIC-29036-AD+B	CAT40CxSFC3/4"-4"	6.687	2.04	1.42	1.65	1.9		
SYIC-29037-AD+B	CAT40CxSFC3/4"-5"	7.687	2.04	1.42	1.65	2.0		
SYIC-29038-AD+B	CAT40CxSFC3/4"-6"	8.687	2.04	1.42	1.65	2.1		
SYIC-29040-AD+B	CAT40CxSFC1"-3"	5.687	2.28	1.81	2.09	M20x2.0P	1.9	
SYIC-29042-AD+B	CAT40CxSFC1"-4"	6.687	2.28	1.81	2.09		2.0	
SYIC-29044-AD+B	CAT40CxSFC1"-6"	8.687	2.28	1.81	2.09		2.1	
SYIC-29046-AD+B	CAT40CxSFC1-1/4"-4"	6.687	2.28	1.81	2.09		2.1	



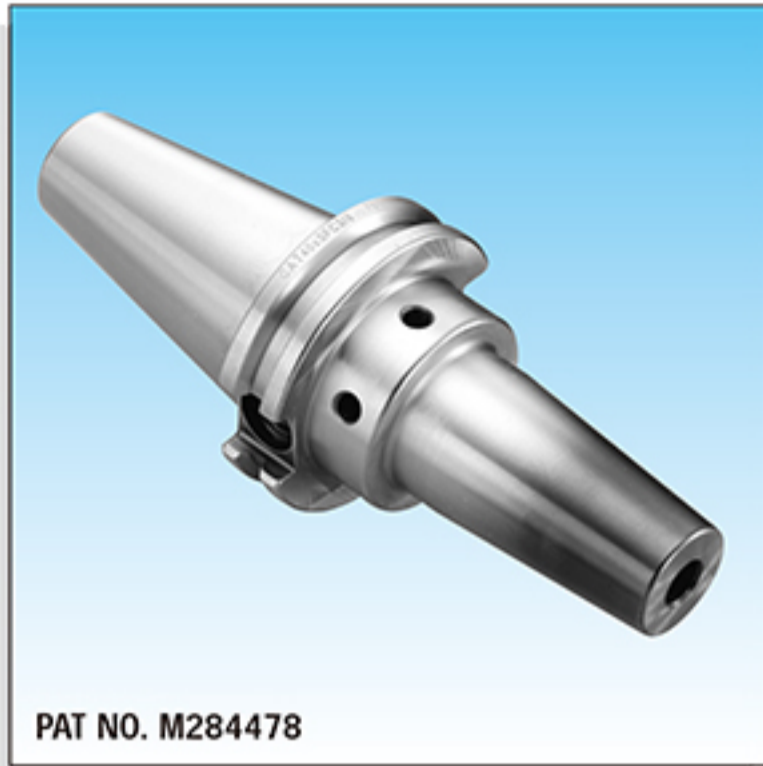


# CAT/SFC SHRINK FIT CHUCK

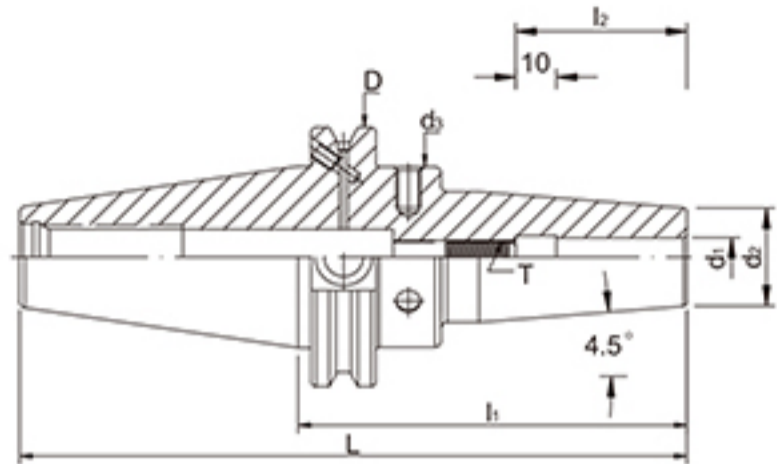
with coolant feed type

**SYIC-29050-AD+B**

CAT / SFC 熱膨脹刀桿



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling
- With coolant feed.
- Precision:  $0.003 \mu\text{m}$  (4D length)
- Standard revolution to G2.5 20000rpm  
If exceeded to G2.5 20000rpm will be adding price.

**INCHES**

MODEL NO	TYPE $d_1 - l_1$	L	$l_1$	D	$d_2$	$d_3$	T	WEIGHT (K G S)
SYIC-29052-AD+B	CAT50CxSFC3/16"-3.5"	7.50	0.79	3.875	0.63	0.87	-	2.9
SYIC-29054-AD+B	CAT50CxSFC1/4"-3.5"		1.42		0.71	1.06	M8x1.25P	3.0
SYIC-29056-AD+B	CAT50CxSFC5/16"-3.5"		1.42		0.71	1.06		3.0
SYIC-29058-AD+B	CAT50CxSFC3/8"-3.75"	7.75	1.42		0.78	1.06	M10x1.5P	3.0
SYIC-29060-AD+B	CAT50CxSFC1/2"-3.75"		1.85		1.10	1.34		3.0
SYIC-29062-AD+B	CAT50CxSFC5/8"-3.75"		1.97		1.26	1.34	M12x1.75P	3.0
SYIC-29064-AD+B	CAT50CxSFC3/4"-4"	8.00	2.04		1.42	1.65	M16x2.0P	3.2
SYIC-29066-AD+B	CAT50CxSFC3/4"-6"	10.0	2.04		1.42	1.65		3.5
SYIC-29068-AD+B	CAT50CxSFC1"-4"	8.00	2.28		1.81	2.09	M20x2.0P	3.5
SYIC-29070-AD+B	CAT50CxSFC1"-6"	10.0	2.28		1.81	2.09		3.6
SYIC-29072-AD+B	CAT50CxSFC1-1/4"-4"	8.00	2.28		1.81	2.09		3.6
SYIC-29074-AD+B	CAT50CxSFC1-1/4"-4.72"	8.72	2.28		1.81	2.09		3.7
SYIC-29076-AD+B	CAT50CxSFC1-1/4"-6"	10.0	2.28		1.81	2.09		3.8

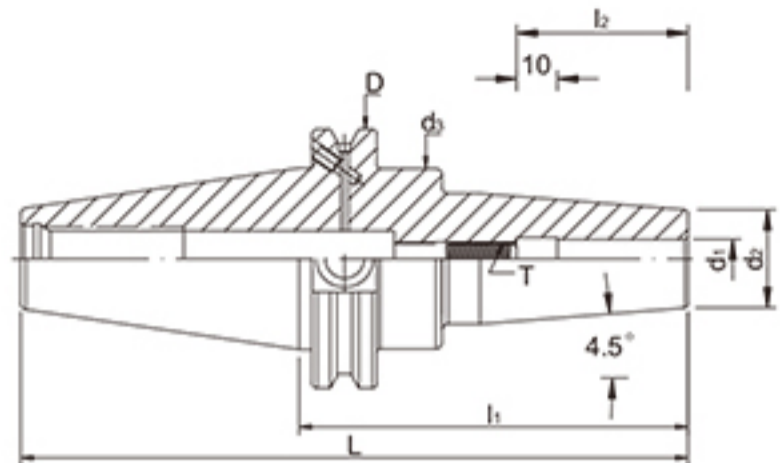


## SYIC-29200-AD+B

## CAT / SFC 熱膨脹刀桿



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling
- With coolant feed.
- Precision:  $0.003 \mu\text{m}$  (4D length)
- Standard revolution to G2.5 20000rpm  
If exceeded to G2.5 20000rpm will be adding price.

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	WEIGHT (KGS)	
SYIC-29202-AD+B	CAT40CxSFC3-100		168.249	18	63.5	10	44.45	-	1.0	
SYIC-29204-AD+B	CAT40CxSFC4-100		168.249	20		14		M8x1.25P	1.0	
SYIC-29206-AD+B	CAT40CxSFC5-100		168.249			16			1.0	
SYIC-29208-AD+B	CAT40CxSFC6-100		168.249			36			21	1.0
SYIC-29210-AD+B	CAT40CxSFC6-150		218.249	1.1						
SYIC-29212-AD+B	CAT40CxSFC8-100		168.249	1.1						
SYIC-29214-AD+B	CAT40CxSFC8-150		218.249	1.2						
SYIC-29216-AD+B	CAT40CxSFC10-100		168.249	42		24			1.4	
SYIC-29218-AD+B	CAT40CxSFC10-150		218.249						1.4	
SYIC-29220-AD+B	CAT40CxSFC12-100		168.249	47		27			M10x1.5P	1.6
SYIC-29222-AD+B	CAT40CxSFC12-150		218.249							1.6
SYIC-29224-AD+B	CAT40CxSFC14-95.3		161.749							1.7
SYIC-29226-AD+B	CAT40CxSFC14-100		168.249							1.8
SYIC-29228-AD+B	CAT40CxSFC14-152.4		220.649	50		33			M12x1.75P	1.9
SYIC-29230-AD+B	CAT40CxSFC16-95.3		161.749							1.9
SYIC-29232-AD+B	CAT40CxSFC16-100		168.249							2.0
SYIC-29234-AD+B	CAT40CxSFC16-160		228.249		2.0					
SYIC-29236-AD+B	CAT40CxSFC18-100		168.249	52		M16x2.0P	2.1			
SYIC-29238-AD+B	CAT40CxSFC20-80		148.249				2.2			





# CAT/SFC SHRINK FIT CHUCK

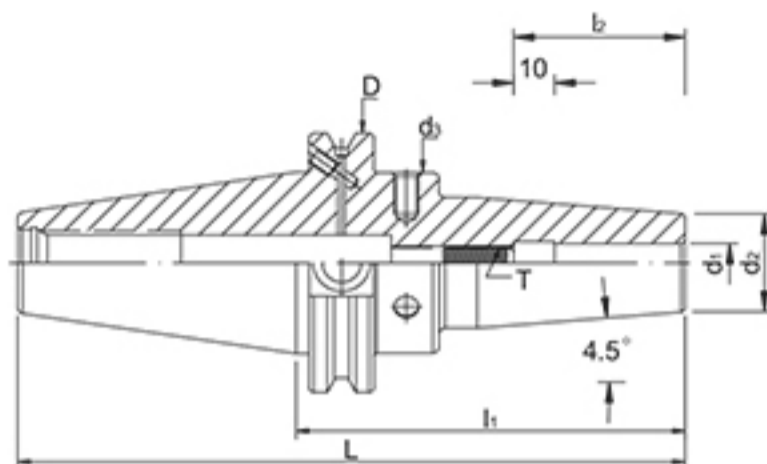
with coolant feed type

## SYIC-29250-AD+B

CAT / SFC 熱膨脹刀桿



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling
- With coolant feed.
- Precision:  $0.003 \mu\text{m}$  (4D length)
- Standard revolution to G2.5 20000rpm  
If exceeded to G2.5 20000rpm will be adding price.

MODEL NO	TYPE $d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	WEIGHT (KGS)			
SYIC-29252-AD+B	CAT50CxSFC6-100	201.8	36	98.425	21	69.85	M8x1.25P	2.9			
SYIC-29254-AD+B	CAT50CxSFC6-150	251.8						3.0			
SYIC-29256-AD+B	CAT50CxSFC8-100	201.8						3.0			
SYIC-29258-AD+B	CAT50CxSFC8-150	251.8						3.1			
SYIC-29260-AD+B	CAT50CxSFC10-100	201.8	42		24		27	M10x1.5P	3.1		
SYIC-29262-AD+B	CAT50CxSFC10-150	251.8							3.2		
SYIC-29264-AD+B	CAT50CxSFC12-100	201.8	47						27	M12x1.75P	3.2
SYIC-29266-AD+B	CAT50CxSFC12-150	251.8									3.3
SYIC-29268-AD+B	CAT50CxSFC14-100	201.8									3.3
SYIC-29270-AD+B	CAT50CxSFC14-150	251.8									3.4
SYIC-29272-AD+B	CAT50CxSFC16-100	201.8	50		33		M16x2.0P	3.4			
SYIC-29274-AD+B	CAT50CxSFC16-160	261.8						3.5			
SYIC-29276-AD+B	CAT50CxSFC18-100	201.8		3.5							
SYIC-29278-AD+B	CAT50CxSFC20-80	181.8	52	44	M20x2.0P	3.5					
SYIC-29280-AD+B	CAT50CxSFC25-100	201.8	58			3.5					
SYIC-29282-AD+B	CAT50CxSFC32-100	201.8				3.5					





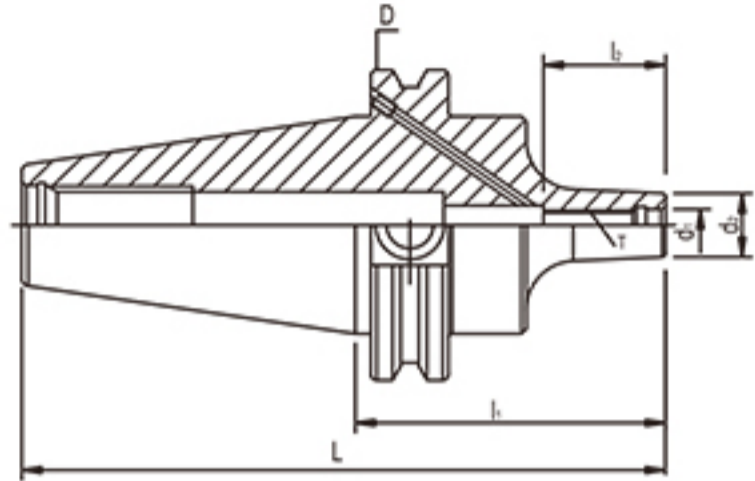
# CAT/SOM SCREWED END MILL HOLDER

with coolant feed type

## SYIC-29300-AD+B

CAT / SOM 鎖固式銑刀柄

DIN 69871-AD+B



•With coolant feed.

See. SYIC-83740



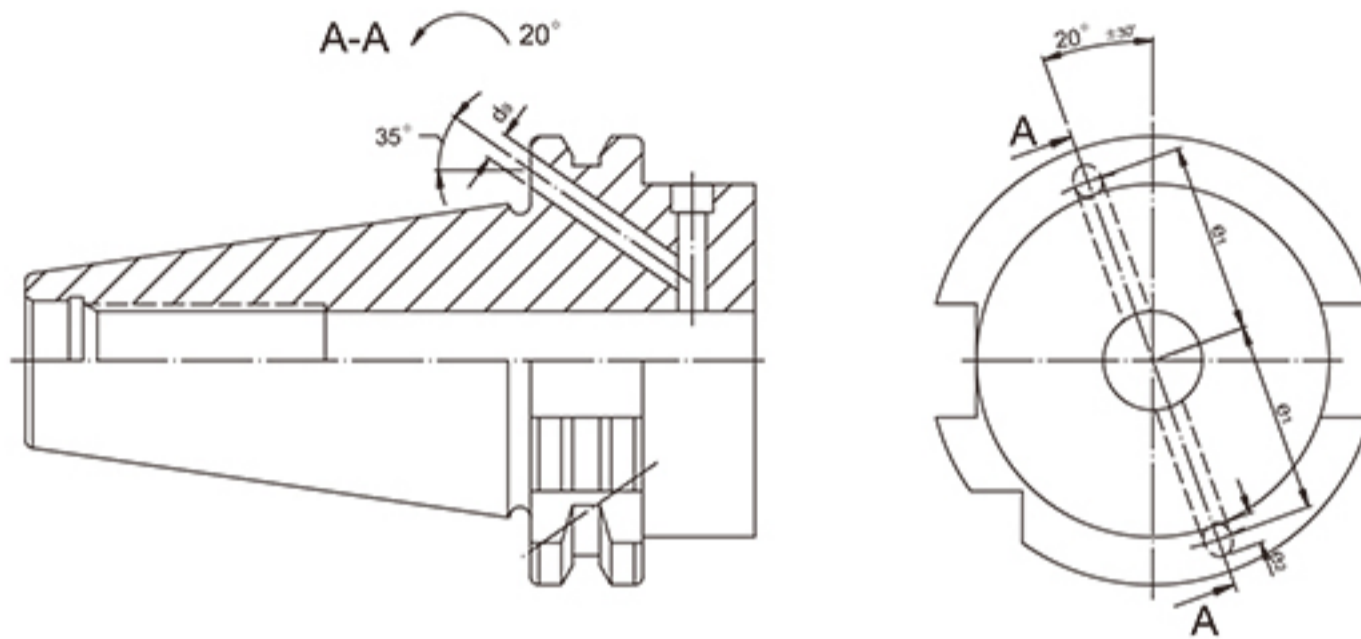
See. SYIC-83700



### INCHES

MODEL NO	TYPE - $l_1$	L	$l_2$	D	$d_1$	$d_2$	T	WEIGHT (K G S)
SYIC - 29330 -AD+B	CAT40CxSOM6-2.5"	5.187	0.984	2.500	0.256	0.520	M6 x1.0 P	1.2
SYIC - 29332 -AD+B	CAT40CxSOM8-2.5"	5.187	0.984	2.500	0.335	0.590	M8 x1.25P	1.2
SYIC - 29334 -AD+B	CAT40CXsOM10-2.5"	5.187	0.984	2.500	0.413	0.748	M10x1.5 P	1.2
SYIC - 29336 -AD+B	CAT40CxSOM12-3"	5.687	1.220	2.500	0.492	0.827	M12x1.75P	1.3
SYIC - 29338 -AD+B	CAT40CxSOM16-3"	5.687	1.220	2.500	0.669	0.827	M16x2.0 P	1.4
SYIC - 29360 -AD+B	CAT50CxSOM6-2.5"	6.500	0.984	2.500	0.256	0.590	M6 x1.0 P	3.0
SYIC - 29362 -AD+B	CAT50CxSOM8-2.5"	6.500	0.984	2.500	0.335	0.590	M8 x1.25P	3.0
SYIC - 29364 -AD+B	CAT50CxSOM10-2.5"	6.500	0.984	2.500	0.413	0.748	M10x1.5 P	3.0
SYIC - 29366 -AD+B	CAT50CxSOM12-3"	7.000	1.220	2.500	0.492	0.827	M12x1.75P	3.1
SYIC - 29368 -AD+B	CAT50CxSOM16-3"	7.000	1.220	2.500	0.669	0.827	M16x2.0 P	3.2





TYPE	d9	e1 ±0.1	e2 MAX
DAT 40	4	27	5
DAT 50	6	42	7

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 < 0.5 μ m.
6. The shank has pre-balance at G6.3, and can provided precision balance at G2.5, made by request.
7. Shank body standard: DIN 69871-AD+B





# STRAIGHT COLLET DAT MULTI-LOCK COLLET CHUCK DOUBLE FACE CONTACT TYPE

with coolant feed type

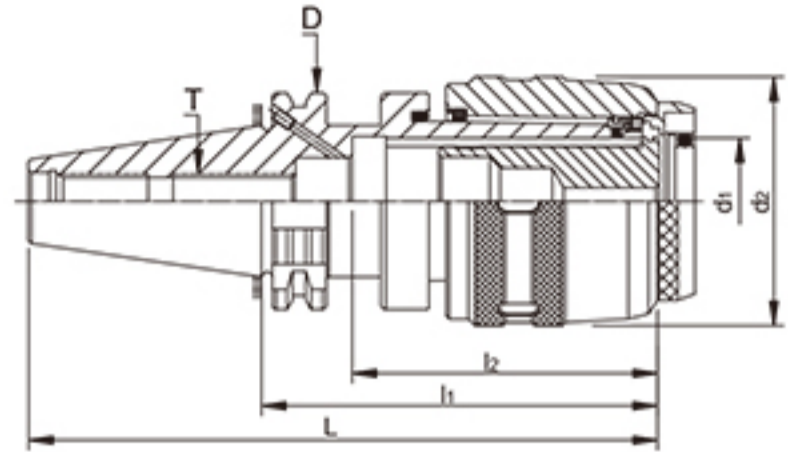
## SYIC-41350-AD+B

DAT / MLD 直式筒夾 銑床夾頭

DIN 69871-AD+B



PAT NO: 3101740  
PAT NO: M255088  
PAT NO: M284488  
PAT NO: M248535



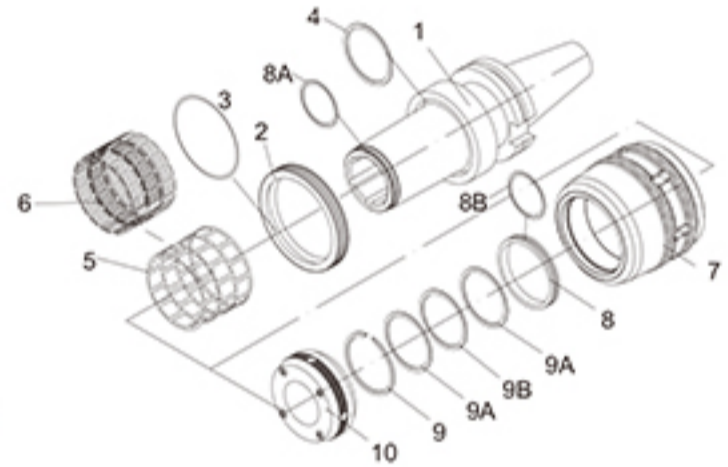
- The pre-balance can reach G6.3 8,000 rpm, without the inspection report.
- The balancing grade and revolution can be done according to customer request but the additional charge is needed.

### SLITTING

In that case end mill shank or collet have oil or chips, divide the slitting into six in order to prevent slipping and to grip exactly.

### NEEDLE BEARING

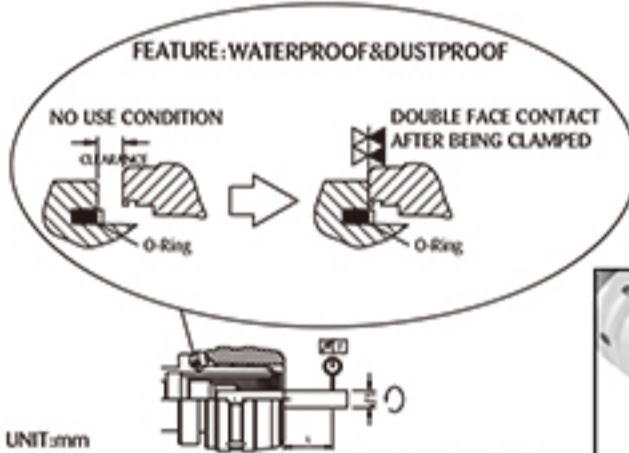
It adopts two line arrangement in order to minimize rolling friction and to slip during slide by taper side.



NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	8	Coolant Ring
2	Screw	8A	Oil Seal
3	Oil Seal	8B	Oil Seal
4	Oil Seal	9	Retaining Ring
5	Bearing Cage	9A	washer
6	Needle Roller	9B	Oil Seal
7	Chuck Nut	10	Clamping End Cap

### Benefit:

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



UNIT:mm

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



- 4 adjustable coolant ports for directing coolant.



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

- Straight shank coolant collet see.SYIC-19460
- MLD coolant Nut see.SYIC-19480
- MLD SET SCREW See.SYIC-15945

MODEL NO	TYPE	L	l <sub>1</sub>	l <sub>2</sub>	T	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)	
SYIC-41356-AD+B	DAT40CxMLD20-85	153.4	85	55	M16x2.0P	63.55	20	55	2.4	
SYIC-41358-AD+B	DAT40CxMLD20-135	203.4	135						2.5	
SYIC-41360-AD+B	DAT40CxMLD25-95	163.4	95						2.6	
SYIC-41362-AD+B	DAT40CxMLD25-135	203.4	135	65			97.5	25	60	2.7
SYIC-41364-AD+B	DAT40CxMLD32-105	173.4	105							2.7
SYIC-41365-AD+B	DAT40CxMLD32-135	203.4	135							3.0
SYIC-41366-AD+B	DAT50CxMLD20-105	206.75	105	55	M24x3.0P	97.5	20	55	4.5	
SYIC-41368-AD+B	DAT50CxMLD20-150	251.75	150						4.9	
SYIC-41370-AD+B	DAT50CxMLD25-105	206.75	105						4.5	
SYIC-41372-AD+B	DAT50CxMLD25-150	251.75	150	65			97.5	25	60	5.2
SYIC-41376-AD+B	DAT50CxMLD32-105	206.75	105							5.1
SYIC-41378-AD+B	DAT50CxMLD32-135	236.75	135							5.9



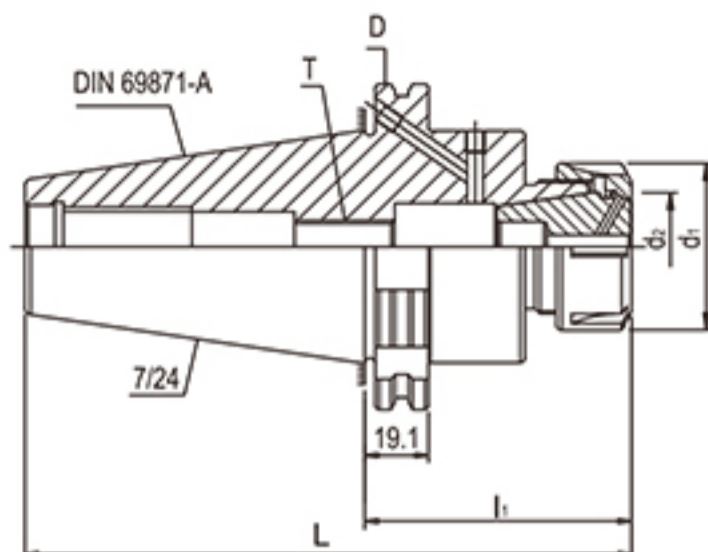
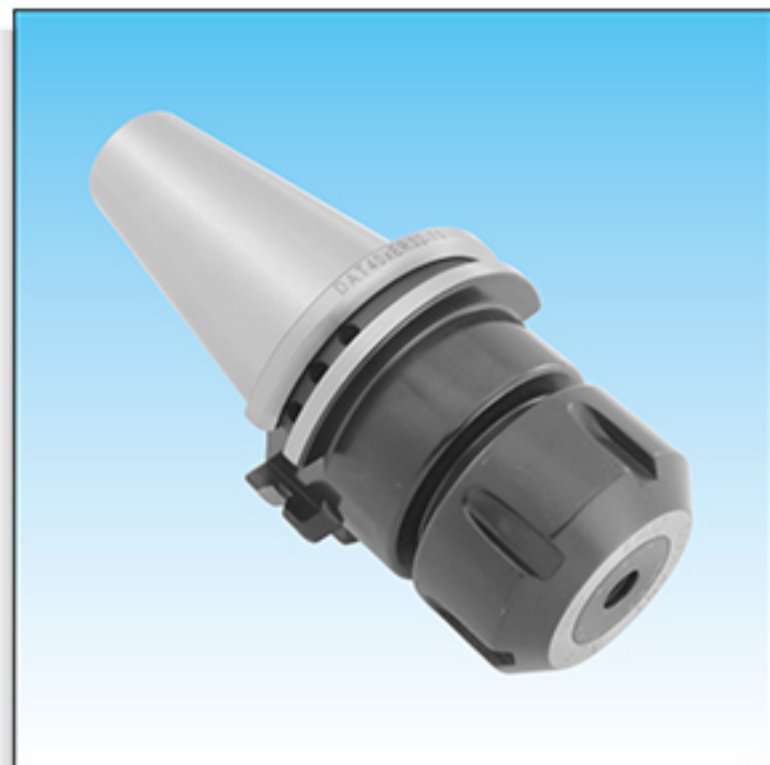


# DAT/ER COLLET CHUCK

with coolant feed type

## SYIC-42200-AD+B

## DAT / ER 立銑刀夾頭



- With coolant feed.
- ER collet chuck please see .SYIC-08300  
ER coolant Nut please see .SYIC-08400  
coolant rings please see .SYIC-08500
- Thread with precision ground
- The length (l1) which small than 100mm  
with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5  
made on request.

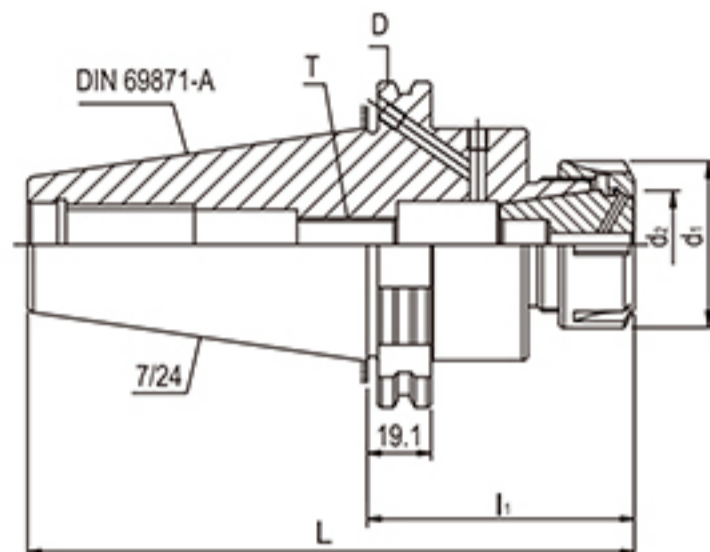
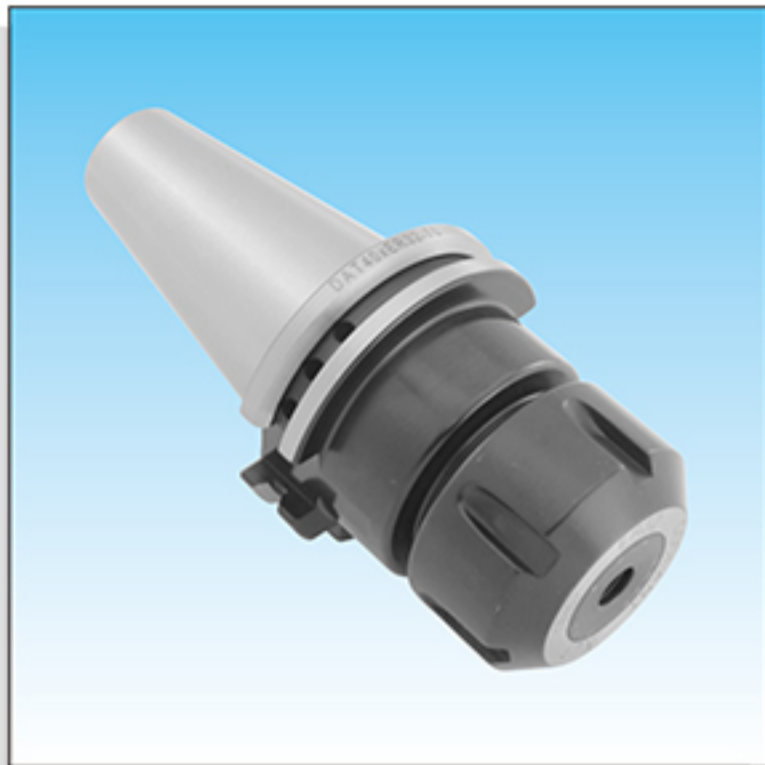
MODEL NO	TYPE	l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	T	WEIGHT (K G S)
SYIC - 42221 -AD+B	DAT40CxER11-80		148.4	63.55	19	11	M6x10P	1.05
SYIC - 42223 -AD+B	DAT40CxER11-125		193.4					1.15
SYIC - 42225 -AD+B	DAT40CxER16-70		138.4		28	16	M10x1.5P	1.30
SYIC - 42227 -AD+B	DAT40CxER16-100		168.4					1.40
SYIC - 42229 -AD+B	DAT40CxER16-125		193.4					1.60
SYIC - 42231 -AD+B	DAT40CxER16-150		218.4					1.65
SYIC - 42233 -AD+B	DAT40CxER16-180		248.4					1.85
SYIC - 42235 -AD+B	DAT40CxER20-70		138.4		34	20	M12x1.75P	1.40
SYIC - 42237 -AD+B	DAT40CxER20-100		168.4					1.50
SYIC - 42239 -AD+B	DAT40CxER20-135		203.4					1.95
SYIC - 42241 -AD+B	DAT40CxER20-160		228.4					2.20
SYIC - 42243 -AD+B	DAT40CxER25-70		138.4					1.60
SYIC - 42245 -AD+B	DAT40CxER25-100		168.4		42	25	M16x2.0P	1.85
SYIC - 42247 -AD+B	DAT40CxER25-150		218.4					2.25
SYIC - 42249 -AD+B	DAT40CxER25-180		248.4					2.45
SYIC - 42251 -AD+B	DAT40CxER25-200		268.4					2.55
SYIC - 42253 -AD+B	DAT40CxER32-70		138.4					1.60
SYIC - 42255 -AD+B	DAT40CxER32-100		168.4		50	32	M16x2.0P	2.00
SYIC - 42257 -AD+B	DAT40CxER32-135		203.4					2.15
SYIC - 42259 -AD+B	DAT40CxER32-150		218.4					2.65
SYIC - 42261 -AD+B	DAT40CxER40-70		138.4	1.50				
SYIC - 42263 -AD+B	DAT40CxER40-100		168.4	63	40	M20x2.0P	2.00	
SYIC - 42265 -AD+B	DAT40CxER40-135		218.4				3.30	
SYIC - 42269 -AD+B	DAT40CxER50-100		168.4				78	50



## SYIC-42200-AD+B

## DAT / ER 立銑刀夾頭

DIN 69871-AD+B



- With coolant feed.
- ER collet chuck please see .SYIC-08300  
ER coolant Nut please see .SYIC-08400  
coolant rings please see .SYIC-08500
- Thread with precision ground
- The length (l1) which small than 100mm  
with prebalanced reach to G6.3 10000rpm
- Can provided balance 20000rpm at G2.5  
made on request.

MODEL NO	TYPE	$l_1$	L	D	$d_1$	$d_2$	T	WEIGHT (K G S)
SYIC - 42281 -AD+B	DAT50CxER16-100		201.75	97.5	28	16	M10x1.5P	3.20
SYIC - 42283 -AD+B	DAT50CxER16-135	236.75	4.30					
SYIC - 42285 -AD+B	DAT50CxER16-160	261.75	4.50					
SYIC - 42287 -AD+B	DAT50CxER16-180	281.75	4.80					
SYIC - 42291 -AD+B	DAT50CxER20-100		201.75		34	20	M12x1.75P	3.40
SYIC - 42293 -AD+B	DAT50CxER20-135	236.75	3.60					
SYIC - 42295 -AD+B	DAT50CxER20-160	261.75	3.80					
SYIC - 42301 -AD+B	DAT50CxER25- 70		171.75		42	25	M16x2.0P	3.40
SYIC - 42303 -AD+B	DAT50CxER25-100	201.75	4.15					
SYIC - 42305 -AD+B	DAT50CxER25-150	251.75	4.50					
SYIC - 42307 -AD+B	DAT50CxER25-200	301.75	4.70					
SYIC - 42311 -AD+B	DAT50CxER32- 80		181.75		50	32	M16x2.0P	3.60
SYIC - 42313 -AD+B	DAT50CxER32-120	221.75	4.60					
SYIC - 42315 -AD+B	DAT50CxER32-160	261.75	4.75					
SYIC - 42317 -AD+B	DAT50CxER32-200	301.75	4.90					
SYIC - 42321 -AD+B	DAT50CxER40- 80		181.75		63	40	M20x2.0P	3.65
SYIC - 42323 -AD+B	DAT50CxER40-120	221.75	4.80					
SYIC - 42325 -AD+B	DAT50CxER40-160	261.75	5.20					
SYIC - 42327 -AD+B	DAT50CxER40-200	301.75	5.40					
SYIC - 42331 -AD+B	DAT50CxER50- 80		181.75		78	64	M24x2.0P	4.85
SYIC - 42333 -AD+B	DAT50CxER50-120	221.75	5.45					
SYIC - 42335 -AD+B	DAT50CxER50-160	261.75	5.55					
SYIC - 42337 -AD+B	DAT50CxER50-200	301.75	5.70					



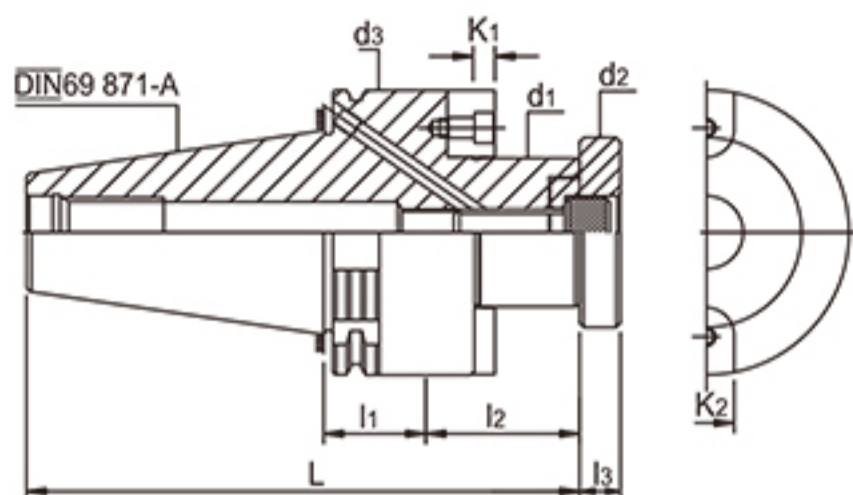


# DAT/FMB FACE MILL ARBOR

with coolant feed type

## SYIC-42700-AD+B

## DAT / FMB 平面銑刀柄



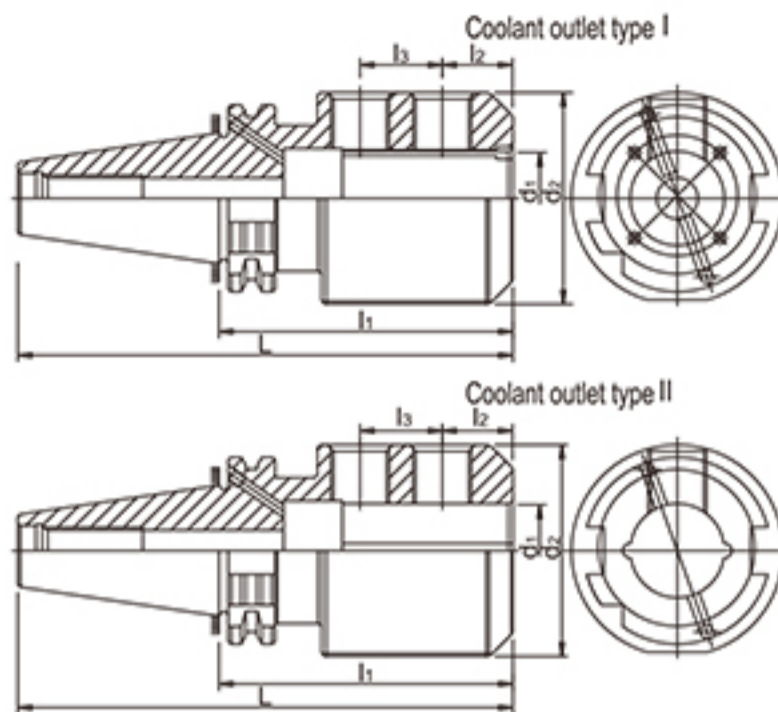
- d1 tolerance:h6
- 7/24 taper precision tolerance AT3
- With coolant feed.
- Please indicate the way of coolant feed of Face Cutter when ordering.

MODEL NO	TYPE d <sub>1</sub> - l <sub>1</sub>	L	l <sub>2</sub>	l <sub>3</sub>	d <sub>2</sub>	d <sub>3</sub>	K <sub>1</sub>	K <sub>2</sub>	WEIGHT (KGS)
SYIC - 42711 -AD+B	DAT40CxFMB22-35	122.4	19	14	26	47	4.8	10	1.20
SYIC - 42713 -AD+B	DAT40CxFMB27-60	148.4	20	16	31.5	58	5.8	12	1.80
SYIC - 42715 -AD+B	DAT40CxFMB32-60	150.4	22	16	41	66	6.8	14	2.30
SYIC - 42717 -AD+B	DAT40CxFMB40-60	153.4	25	20.5	48	80	8.3	16	2.80
SYIC - 42721 -AD+B	DAT50CxFMB22-35	155.75	19	14	26	47	4.8	10	3.40
SYIC - 42723 -AD+B	DAT50CxFMB27-35	156.75	20	16	31.5	58	5.8	12	3.50
SYIC - 42725 -AD+B	DAT50CxFMB32-35	158.75	22	16	41	66	6.8	14	3.70
SYIC - 42727 -AD+B	DAT50CxFMB40-35	189.75	25	20.5	48	80	8.3	16	4.70
SYIC - 42729 -AD+B	DAT50CxFMB50-35	211.75	30	25	68	95	9.7	19	5.80
SYIC - 42761 -AD+B	DAT40CxFMB40S-60	158.4	30	66.7	M12	89	8.3	15.9	2.90
SYIC - 42763 -AD+B	DAT50CxFMB40S-70	201.75							5.50
SYIC - 42765 -AD+B	DAT50CxFMB60F-70	211.75	40	101.6	M16	129	12.5	25.4	5.70
SYIC - 42771 -AD+B	DAT50CxFS40-60	154.4	26	66.7	50	110	8.3	16	3.20
SYIC - 42773 -AD+B	DAT50CxFS40-70	211.75							5.70
SYIC - 42775 -AD+B	DAT50CxFS60-70	196.75	25	101.6	M16	140	12.5	25.4	5.50



## SYIC-42900-AD+B

## DAT / SLN 側固式立銑刀柄



- Diameter permissible tolerance within h5
- With coolant feed.
- Please indicate the way of coolant feed of Face Cutter when ordering.

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	$l_3$	$d_2$	T	WEIGHT (K G S)
SYIC-42911 -AD+B	DAT40CxSLN6 -50		118.4	18	-	25	M6 x1.0 P	0.85
SYIC-42913 -AD+B	DAT40CxSLN8 -50			20		28	M8 x1.25P	1.00
SYIC-42915 -AD+B	DAT40CxSLN10-50			22.5		35	M10x1.5 P	1.10
SYIC-42917 -AD+B	DAT40CxSLN12-50			24		42	M12x1.75P	1.15
SYIC-42919 -AD+B	DAT40CxSLN16-63		131.4	24		48	M14x2.0 P	1.40
SYIC-42921 -AD+B	DAT40CxSLN20-63		131.4	25		52	M16x2.0 P	1.30
SYIC-42923 -AD+B	DAT40CxSLN25-100		168.4	24	25	65	M18x2.0 P	2.40
SYIC-42925 -AD+B	DAT40CxSLN32-100				28	72	M20x2.0 P	2.70
SYIC-42931 -AD+B	DAT50CxSLN6 -63		164.75	18	-	25	M6 x1.0 P	3.10
SYIC-42933 -AD+B	DAT50CxSLN8 -63					28	M8 x1.25P	3.10
SYIC-42935 -AD+B	DAT50CxSLN10-63					35	M10x1.5 P	3.30
SYIC-42937 -AD+B	DAT50CxSLN12-63					42	M12x1.75P	3.50
SYIC-42939 -AD+B	DAT50CxSLN16-63					48	M14x2.0 P	3.45
SYIC-42941 -AD+B	DAT50CxSLN20-63			25		52	M16x2.0 P	3.50
SYIC-42943 -AD+B	DAT50CxSLN25-80		181.75	24	25	65	M18x2.0 P	4.20
SYIC-42945 -AD+B	DAT50CxSLN32-100					72		5.00
SYIC-42947 -AD+B	DAT50CxSLN40-100		201.75	30	32	90	M20x2.0 P	5.60
SYIC-42949 -AD+B	DAT50CxSLN42-100							5.70
SYIC-42951 -AD+B	DAT50CxSLN50-125		226.75	35	35	100		5.90
SYIC-42953 -AD+B	DAT50CxSLN63-150		250.75	40	40	125		6.20
SYIC-42955 -AD+B	DAT50CxSLN63-150		250.75		24		M16x2.0 P	6.20



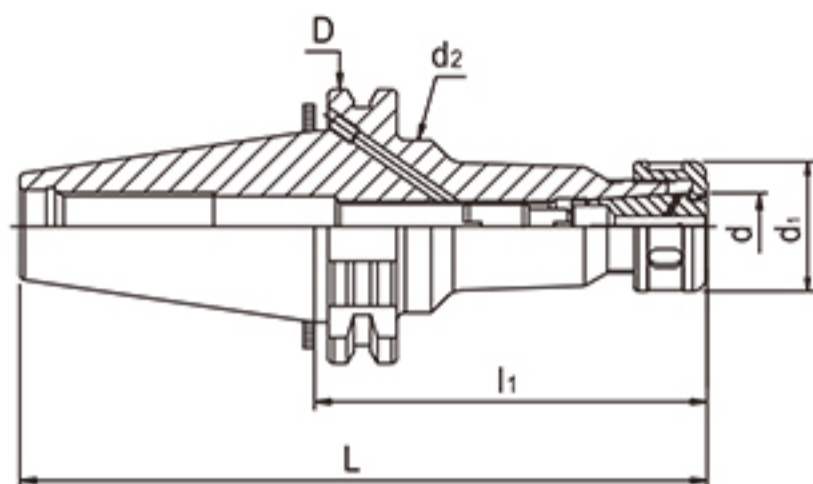


# DAT / SKS COLLET CHUCK

with coolant feed type

## SYIC-43000-AD+B

DAT / SKS 高速機專用夾頭



- Highest accuracy : run -out accuracy is less than 5  $\mu$  m at 4D diameter of the cutting tool length.
- Can provided balance 20000 rpm at G2.5 made on request.
- 4° collect taper : provides increased gripping power, concentricity and rigidity.
- With coolant feed.

MODEL NO	TYPE - $l_1$	L	D	d	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC-43010 -AD+B	DAT40CxSKS6 -90	158.4	63.55	9.964	18	32	0.6
SYIC-43011 -AD+B	DAT40CxSKS6 -120	188.4					0.7
SYIC-43012 -AD+B	DAT40CxSKS10-90	158.4		14.981	30	40	1.2
SYIC-43014 -AD+B	DAT40CxSKS10-120	188.4					1.4
SYIC-43016 -AD+B	DAT40CxSKS16-90	158.4		23.939	40	40	1.3
SYIC-43018 -AD+B	DAT40CxSKS16-120	188.4					1.5
SYIC-43026 -AD+B	DAT40CxSKS25-90	158.4		35.029	55.1	49.85	1.3
SYIC-43028 -AD+B	DAT40CxSKS25-120	188.4					1.5
SYIC-43032 -AD+B	DAT50CxSKS6 -105	206.75	97.5	9.964	18	32	4.2
SYIC-43034 -AD+B	DAT50CxSKS6 -165	266.75					4.6
SYIC-43036 -AD+B	DAT50CxSKS10-105	206.75		14.981	30	40	4.2
SYIC-43038 -AD+B	DAT50CxSKS10-165	266.75					4.6
SYIC-43042 -AD+B	DAT50CxSKS16-105	206.75		23.939	40	52	4.3
SYIC-43044 -AD+B	DAT50CxSKS16-165	266.75					4.7
SYIC-43052 -AD+B	DAT50CxSKS25-105	206.75		35.029	55.1	55	5.0
SYIC-43054 -AD+B	DAT50CxSKS25-165	266.75					5.3





# DAT/SBL SLIM-FIT COLLET CHUCK

with coolant feed type

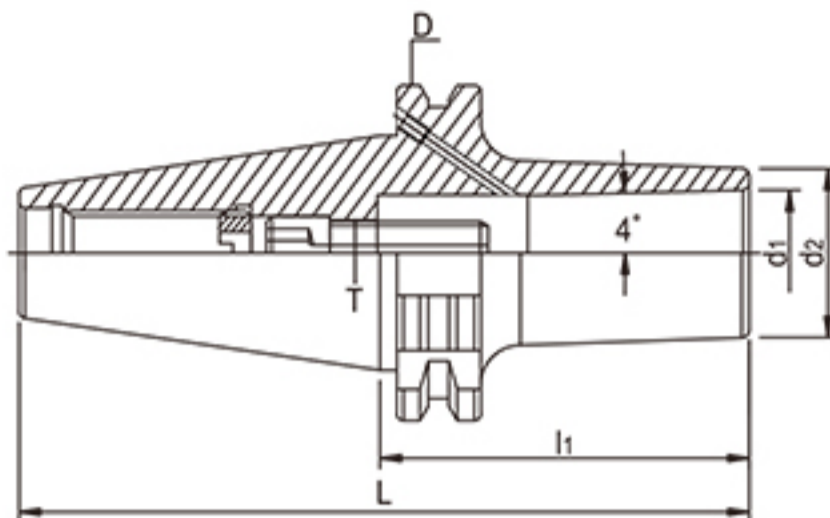
## SYIC-45350-AD+B

## DAT / SBL 後拉式立銑刀夾頭

DIN 69871-AD+B



PAT NO. M274178



### FEATURES

- Turn the nut, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
- Balanced to 8000 RPM at G2.5.
- Enlarge the clamping face of holder and cutting tool up to 1/3.
- Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
- Precision : 0.005mm (4D length).
- With coolant feed.

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	T	WEIGHT (K G S)
SYIC - 45368 -AD+B	DAT40CxSBL6-70	138.4	63.55	9.93	14	M 6x1.0 P	1.00
SYIC - 45370 -AD+B	DAT40CxSBL6-100	168.4					1.10
SYIC - 45372 -AD+B	DAT40CxSBL12-70	138.4		18	26	M12x1.75P	1.20
SYIC - 45374 -AD+B	DAT40CxSBL12-100	168.4					1.30
SYIC - 45376 -AD+B	DAT40CxSBL20-70	138.4		27	34	M12x1.75P	1.30
SYIC - 45378 -AD+B	DAT40CxSBL20-100	168.4					1.40
SYIC - 45380 -AD+B	DAT50CxSBL6-70	171.75	97.5	9.93	14	M 6x1.0 P	2.80
SYIC - 45382 -AD+B	DAT50CxSBL6-100	201.75					2.90
SYIC - 45384 -AD+B	DAT50CxSBL12-70	171.75		18	26	M12x1.75P	3.00
SYIC - 45386 -AD+B	DAT50CxSBL12-100	201.75					3.10
SYIC - 45388 -AD+B	DAT50CxSBL20-70	171.75		27	35	M12x1.75P	3.20
SYIC - 45390 -AD+B	DAT50CxSBL20-100	201.75					3.30





# DAT/SLP SLIM FIT COLLET CHUCK

Outside Lock Precision Shank

with coolant feed type

## SYIC-45400-AD+B

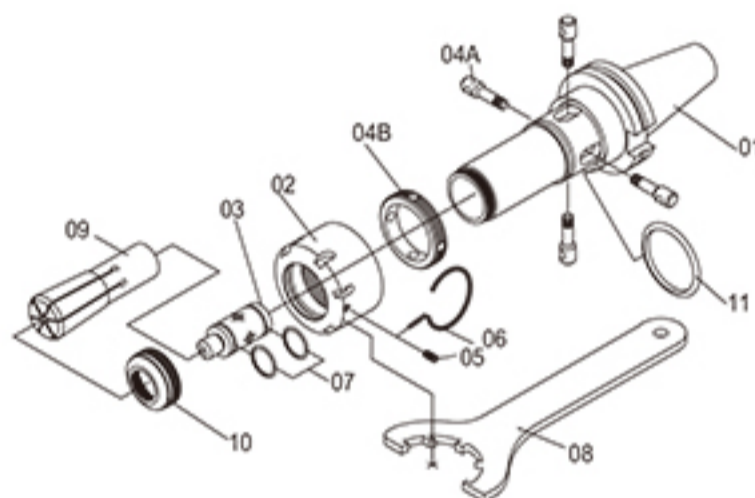
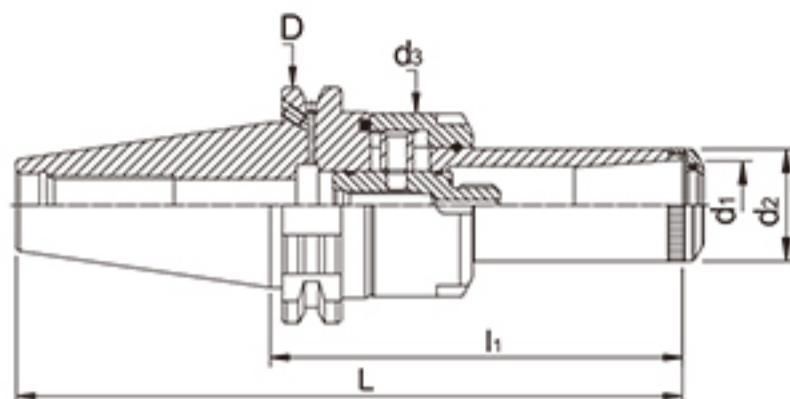
## DAT/SLP 立銑刀夾頭



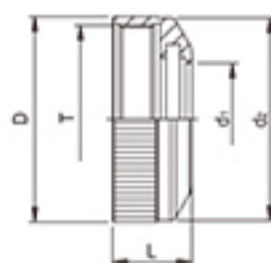
PAT NO. 199381  
GERMANY 20120727.3  
ZL 01275311.4

### FEATURES

- Turn the nut, able to locking and take apart cutter and collet directly, to avoid perplex for take out the holder from the machine, more convenience.
- Balanced to 8000 RPM at G2.5.
- Enlarge the clamping face of holder and cutting tool up to 1/3.
- Stable cutting quality, improved roughness of surface, decrease vibration, prolongs tool life at least treble.
- Precision : 0.005mm (4D length).
- With coolant feed.



SLP COOLANT NUT



NO	NAME OF EACH PART	NO	NAME OF EACH PART
1	Body	6	Steel ball
2	Nut	7	O-Ring
3	Coupled Screw	8	Spanner
4A	Drive Screw	9	Collet
4B	Drive Screw Ring	10	COOLANT NUT
5	Set Screw	11	O-Ring

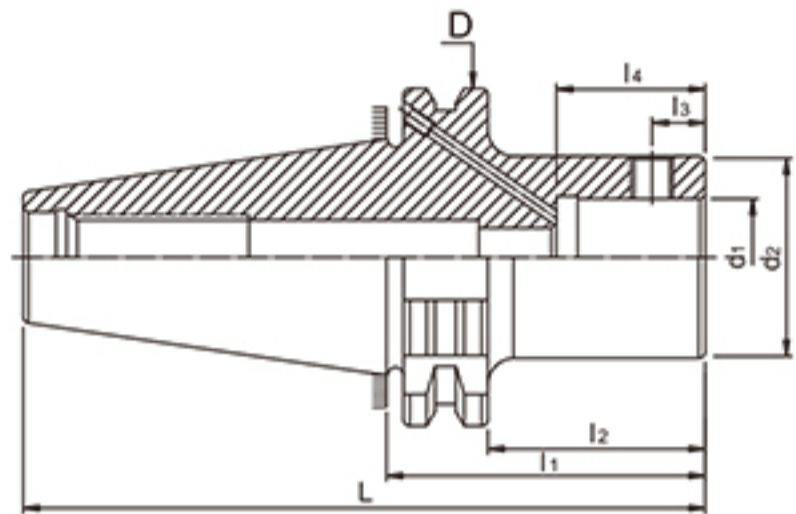
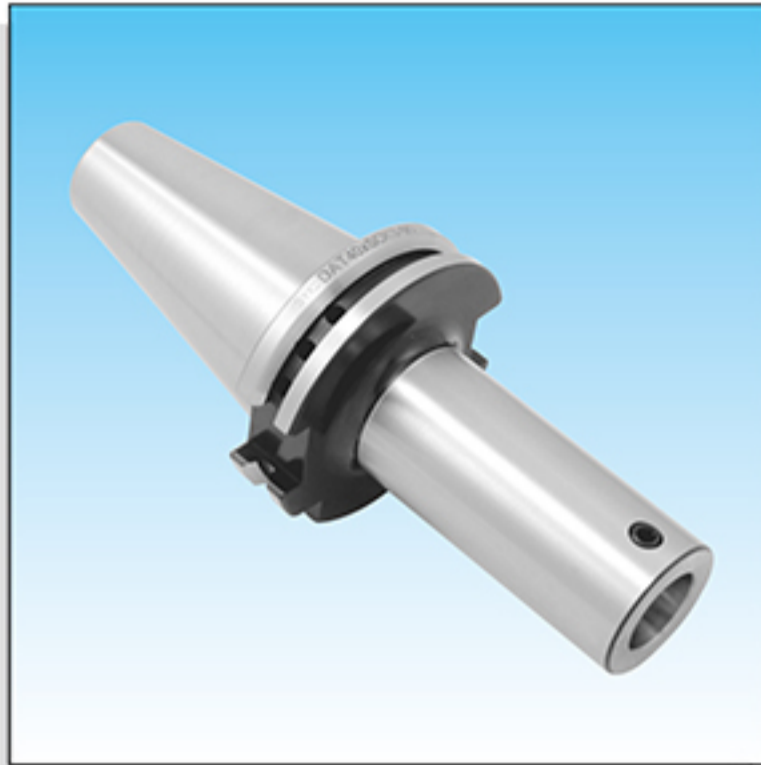
MODEL NO	TYPE	L	D	d <sub>1</sub>	d <sub>2</sub>	T
SYIC - 19294	SLP-12	11	24	11.1	23.5	M22x0.7P
SYIC - 19296	SLP-20	13.5	35	19.1	34.5	M32x20.7P

MODEL NO	TYPE - l <sub>1</sub>	L	D	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	WEIGHT (K G S)
SYIC - 45414 -AD+B	DAT40CxSLP12-110	178.4	63.55	18	25	48	1.30
SYIC - 45416 -AD+B	DAT40CxSLP12-150	218.4					1.40
SYIC - 45418 -AD+B	DAT40CxSLP20-120	188.4		27	35	56	1.48
SYIC - 45420 -AD+B	DAT40CxSLP20-150	218.4					1.60
SYIC - 45426 -AD+B	DAT50CxSLP12-110	221.75	97.5	18	25	48	4.20
SYIC - 45428 -AD+B	DAT50CxSLP12-150	251.75					4.30
SYIC - 45430 -AD+B	DAT50CxSLP20-135	236.75		27	35	56	4.20
SYIC - 45432 -AD+B	DAT50CxSLP20-150	251.75					4.55



## SYIC-47500-AD+B

## DAT / SCK 粗/精 搪頭刀柄



- Able to use with extension spacer, more convenience for cutting.
- With coolant feed.

MODEL NO	TYPE - l <sub>1</sub>	L	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	D	d <sub>1</sub>	d <sub>2</sub>	WEIGHT (K G S)
SYIC - 47510 -AD+B	DAT40CxSCK1-80	148.4	60.9	5.05	15	63.55	11	19	1.00
SYIC - 47512 -AD+B	DAT40CxSCK1-95	163.4	75.9						1.05
SYIC - 47514 -AD+B	DAT40CxSCK2-80	148.4	60.9	6.62	18.5		14	23	1.10
SYIC - 47516 -AD+B	DAT40CxSCK2-110	178.4	90.9						1.15
SYIC - 47518 -AD+B	DAT40CxSCK3-90	158.4	70.9	8	22		18	30.5	1.20
SYIC - 47520 -AD+B	DAT40CxSCK3-125	193.4	105.9						1.25
SYIC - 47522 -AD+B	DAT40CxSCK4-80	148.4	60.9	10	24		22	38	1.30
SYIC - 47524 -AD+B	DAT40CxSCK4-110	178.4	90.9						1.35
SYIC - 47526 -AD+B	DAT40CxSCK5-95	163.4	75.9	13	30		28	49	1.40
SYIC - 47528 -AD+B	DAT40CxSCK5-110	178.4	90.9						1.45
SYIC - 47530 -AD+B	DAT40CxSCK6-60	128.4	40.9	16	40		36	62	1.50
SYIC - 47532 -AD+B	DAT40CxSCK6-95	163.4	75.9						1.55
SYIC - 47534 -AD+B	DAT50CxSCK1-110	211.75	90.9	5.05	15	97.5	11	19	3.10
SYIC - 47536 -AD+B	DAT50CxSCK1-125	226.75	105.6						3.15
SYIC - 47538 -AD+B	DAT50CxSCK2-95	196.75	75.9	6.62	18.5		14	23	3.20
SYIC - 47540 -AD+B	DAT50CxSCK2-125	226.75	105.6						3.25
SYIC - 47542 -AD+B	DAT50CxSCK3-125	226.75	105.6	8	22		18	30.5	3.30
SYIC - 47544 -AD+B	DAT50CxSCK3-155	246.75	125.6						3.35
SYIC - 47546 -AD+B	DAT50CxSCK4-110	211.75	90.9	10	24		22	38	3.40
SYIC - 47548 -AD+B	DAT50CxSCK4-125	226.75	105.6						3.45
SYIC - 47550 -AD+B	DAT50CxSCK5-65	166.75	45.9	13	30		28	49	3.50
SYIC - 47552 -AD+B	DAT50CxSCK5-140	241.75	120.9						3.55
SYIC - 47554 -AD+B	DAT50CxSCK6-140	241.75	120.9	16	40		36	62	3.60
SYIC - 47556 -AD+B	DAT50CxSCK6-170	271.75	150.9						3.65





# DAT/SFC SHRINK FIT CHUCK

with coolant feed type

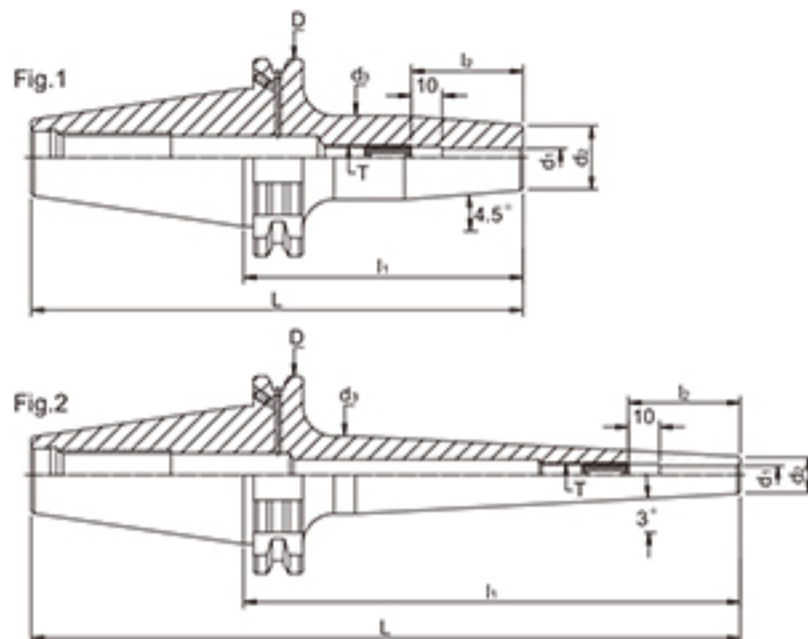
## SYIC-49050-AD+B

## DAT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling
- With coolant feed.
- Precision: 0.003  $\mu$ m (4D length)
- Standard revolution to G2.5 20000rpm
- If exceeded to G2.5 20000rpm will be adding price.

### INCHES

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	Fig	WEIGHT (KGS)
SYIC-49068-AD+B	DAT40CxSFC3/16-3.54		5.03	0.79	2.50	0.63	0.87	-	1	0.90
SYIC-49068-4.72-AD+B	DAT40CxSFC3/16-4.72		7.42			0.39	0.71		2	1.00
SYIC-49069-AD+B	DAT40CxSFC3/16-6.29		8.99			0.39	0.78	2	1.10	
SYIC-49070-AD+B	DAT40CxSFC1/4-3.54		5.03	1.42		0.71	1.06	M8x1.25P	1	1.00
SYIC-49070-4.72-AD+B	DAT40CxSFC1/4-4.72		7.42			0.47	0.79	M4x0.7P	2	1.20
SYIC-49071-AD+B	DAT40CxSFC1/4-6.29		8.99			0.47	0.98		2	1.30
SYIC-49072-AD+B	DAT40CxSFC5/16-3.54		5.03	1.42		0.79	1.06	M8x1.25P	1	1.00
SYIC-49072-4.72-AD+B	DAT40CxSFC5/16-4.72		7.42			0.63	0.94	M6x1.0P	2	1.20
SYIC-49073-AD+B	DAT40CxSFC5/16-6.29		8.99			0.63	1.14		2	1.30
SYIC-49074-AD+B	DAT40CxSFC3/8-3.54		5.03	1.53		0.94	1.26	M10x1.5P	1	1.10
SYIC-49074-4.72-AD+B	DAT40CxSFC3/8-4.72		7.42			0.71	1.02		2	1.20
SYIC-49075-AD+B	DAT40CxSFC3/8-6.29		8.99			0.71	1.22		2	1.50
SYIC-49076-AD+B	DAT40CxSFC1/2-3.54		5.03	1.85	1.10	1.34	M12x1.75P	1	1.10	
SYIC-49076-4.72-AD+B	DAT40CxSFC1/2-4.72		7.42		0.79	1.10		2	1.20	
SYIC-49077-AD+B	DAT40CxSFC1/2-6.29		8.99		0.79	1.30		2	1.70	
SYIC-49078-AD+B	DAT40CxSFC3/4-3.54		5.03	1.97	1.26	1.65	M16x2.0P	1	1.35	
SYIC-49078-4.72-AD+B	DAT40CxSFC3/4-4.72		7.42		1.02	1.38		2	1.50	
SYIC-49079-AD+B	DAT40CxSFC3/4-6.29		8.99		1.02	1.54		2	1.90	
SYIC-49080-AD+B	DAT40CxSFC1-3.54		5.03	2.04	1.42	1.65	M20x2.0P	1	1.50	
SYIC-49080-4.72-AD+B	DAT40CxSFC1-4.72		7.42		1.26	1.57		2	1.50	
SYIC-49081-AD+B	DAT40CxSFC1-6.29		8.99		1.26	1.77		2	2.20	





# DAT/SFC SHRINK FIT CHUCK

with coolant feed type

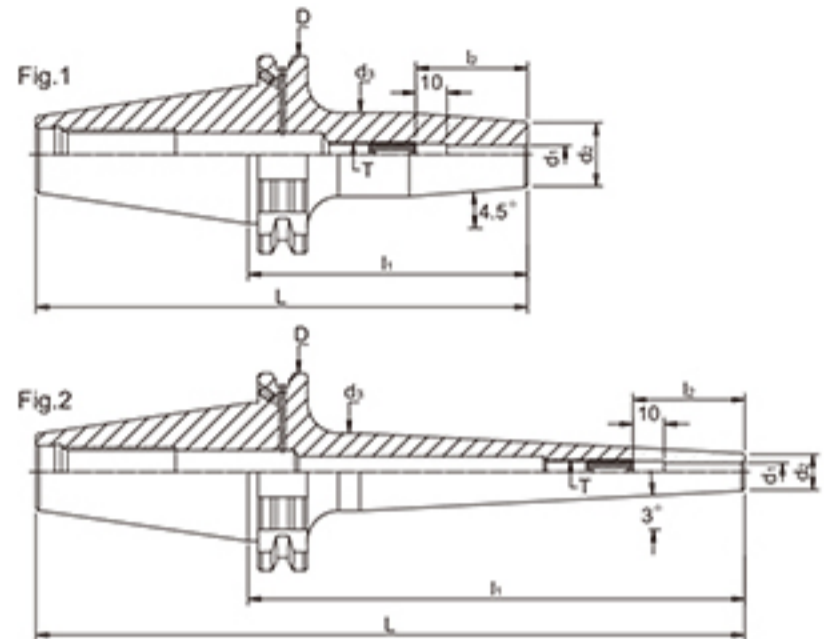
## SYIC-49050-AD+B

## DAT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling
- With coolant feed.
- Precision: 0.003  $\mu$ m (4D length)
- Standard revolution to G2.5 20000rpm  
If exceeded to G2.5 20000rpm will be adding price.

INCHES

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	Fig	WEIGHT (KGS)
SYIC-49082-AD+B	DAT50CxSFC3/16-3.94		7.94	0.79	2.50	0.63	0.87	-	1	2.60
SYIC-49083-AD+B	DAT50CxSFC3/16-6.29		10.3			0.39	0.78		2	3.10
SYIC-49084-AD+B	DAT50CxSFC1/4-3.94		7.94	1.42		0.71	1.06	M8x1.25P	1	2.90
SYIC-49084-5.31-AD+B	DAT50CxSFC1/4-5.31		9.32			0.47	0.87	M4x0.7P	2	3.20
SYIC-49085-AD+B	DAT50CxSFC1/4-6.29		10.3			0.47	0.98			3.40
SYIC-49086-AD+B	DAT50CxSFC5/16-3.94		7.94			0.79	1.06	M8x1.25P	1	2.90
SYIC-49086-5.31-AD+B	DA50CxSFC5/16-5.31		9.32	1.42		0.63	1.02	M6x1.0P	2	3.40
SYIC-49087-AD+B	DAT50CxSFC5/16-6.29		10.3			0.63	1.14			3.60
SYIC-49088-AD+B	DAT50CxSFC3/8-3.94		7.94	1.53		0.94	1.26	M10x1.5P	1	3.00
SYIC-49088-5.31-AD+B	DAT50CxSFC3/8-5.31		9.32			0.71	1.10		2	3.20
SYIC-49089-AD+B	DAT50CxSFC3/8-6.29		10.3			0.71	1.22		3.60	
SYIC-49090-AD+B	DAT50CxSFC1/2-3.94		7.94	1.85		1.10	1.34	M12x1.75P	1	3.20
SYIC-49090-5.31-AD+B	DAT50CxSFC1/2-5.31		9.32			0.79	1.18		2	3.40
SYIC-49091-AD+B	DAT50CxSFC1/2-6.29		10.3			0.79	1.30		3.60	
SYIC-49092-AD+B	DAT50CxSFC3/4-3.94		7.94	1.97		1.26	1.65	M16x2.0P	1	3.30
SYIC-49092-5.31-AD+B	DAT50CxSFC3/4-5.31		9.32			1.02	1.42		2	3.50
SYIC-49093-AD+B	DAT50CxSFC3/4-6.29		10.3		1.02	1.54	3.70			
SYIC-49094-AD+B	DAT50CxSFC1-3.94		7.94	2.04	1.42	1.65	M20x2.0P	1	3.60	
SYIC-49094-5.31-AD+B	DAT50CxSFC1-5.31		9.32		1.26	1.65		2	4.10	
SYIC-49095-AD+B	DAT50CSFC1-6.29		10.3		1.26	1.93		4.70		





# DAT/SFC SHRINK FIT CHUCK

with coolant feed type

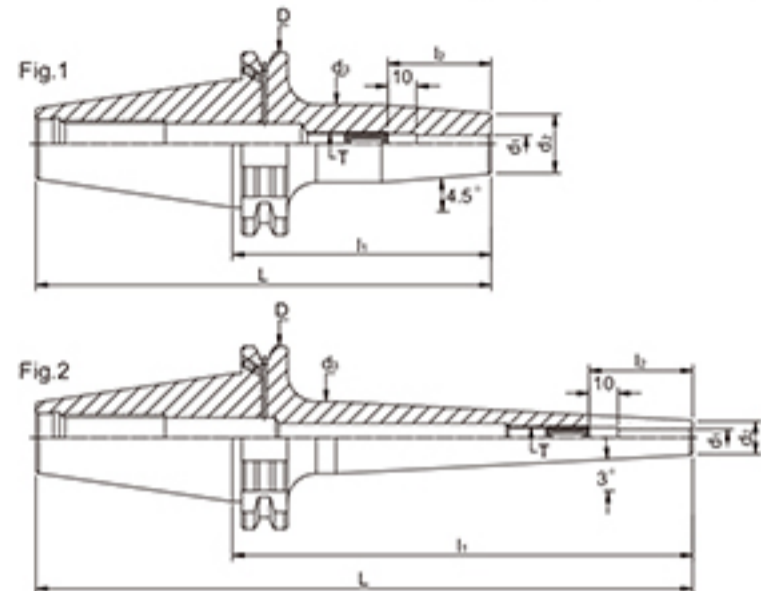
## SYIC-49100-AD+B

DAT / SFC 熱膨脹刀桿

DIN 69871-AD+B



PAT NO. M284478



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling

- With coolant feed.
- Precision: 0.003  $\mu$  m (4D length)
- Standard revolution to G2.5 20000rpm
- If exceeded to G2.5 20000rpm will be adding price.

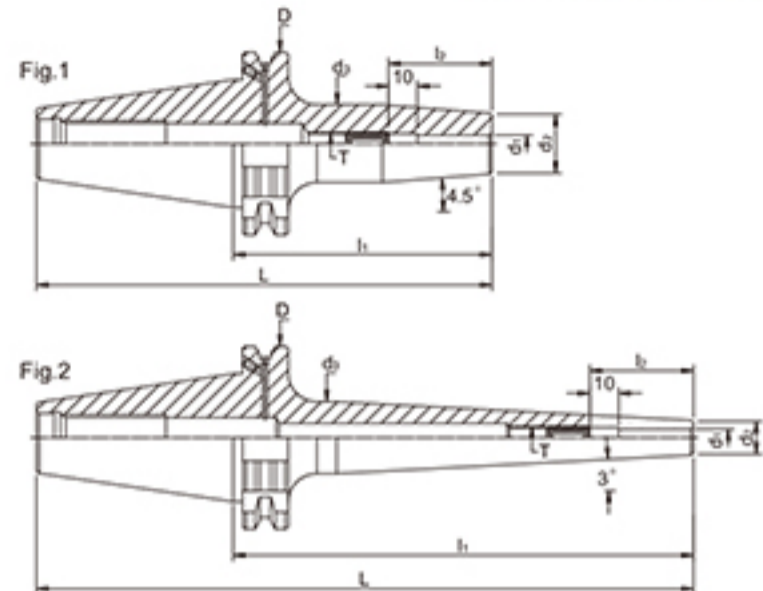
MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	Fig	WEIGHT (K G S)	
SYIC-49130-AD+B	DAT40CxSFC3-90	158.4	188.4	18	63.55	10	18	-	1	0.90	
SYIC-49130-120-AD+B	DAT40CxSFC3-120	188.4				9	18		2	1.00	
SYIC-49131-AD+B	DAT40CxSFC3-160	228.4				9	20		2	1.10	
SYIC-49132-AD+B	DAT40CxSFC4-90	158.4	188.4	20	63.55	14	22	M8x1.25P	1	0.90	
SYIC-49132-120-AD+B	DAT40CxSFC4-120	188.4				10	18	-	2	1.00	
SYIC-49133-AD+B	DAT40CxSFC4-160	228.4				10	20	-	2	1.10	
SYIC-49134-AD+B	DAT40CxSFC5-90	158.4	188.4	20	63.55	16	22	M8x1.25P	1	0.90	
SYIC-49134-120-AD+B	DAT40CxSFC5-120	188.4				12	20	-	2	1.00	
SYIC-49135-AD+B	DAT40CxSFC5-160	228.4				12	25	-	2	1.10	
SYIC-49136-AD+B	DAT40CxSFC6-90	158.4	188.4	36	63.55	21	27	M8x1.25P	1	1.00	
SYIC-49136-120-AD+B	DAT40CxSFC6-120	188.4				12	20	M4x0.7P	2	1.20	
SYIC-49137-AD+B	DAT40CxSFC6-160	228.4				12	25	M4x0.7P	2	1.30	
SYIC-49138-AD+B	DAT40CxSFC8-90	158.4	188.4	36	63.55	21	27	M8x1.25P	1	1.00	
SYIC-49138-120-AD+B	DAT40CxSFC8-120	188.4				16	24	M6x1.0P	2	1.20	
SYIC-49139-AD+B	DAT40CxSFC8-160	228.4				16	29	M6x1.0P	2	1.30	
SYIC-49140-AD+B	DAT40CxSFC10-90	158.4	188.4	42	63.55	24	32	M8x1.25P	1	1.10	
SYIC-49140-120-AD+B	DAT40CxSFC10-120	188.4				18	26		M8x1.25P	2	1.20
SYIC-49141-AD+B	DAT40CxSFC10-160	228.4				18	31		M8x1.25P	2	1.50
SYIC-49142-AD+B	DAT40CxSFC12-90	158.4	188.4	47	63.55	24	32	M10x1.5P	1	1.00	
SYIC-49142-120-AD+B	DAT40CxSFC12-120	188.4				20	28		M10x1.5P	2	1.20
SYIC-49143-AD+B	DAT40CxSFC12-160	228.4				20	33		M10x1.5P	2	1.70
SYIC-49144-AD+B	DAT40CxSFC14-90	158.4	188.4	47	63.55	27	34	M10x1.5P	1	1.10	
SYIC-49144-120-AD+B	DAT40CxSFC14-120	188.4				22	30		M10x1.5P	2	1.20
SYIC-49145-AD+B	DAT40CxSFC14-160	228.4				22	35		M10x1.5P	2	1.70
SYIC-49146-AD+B	DAT40CxSFC16-90	158.4	188.4	50	63.55	27	34	M12x1.75P	1	1.10	
SYIC-49146-120-AD+B	DAT40CxSFC16-120	188.4				24	32		M12x1.75P	2	1.35
SYIC-49147-AD+B	DAT40CxSFC16-160	228.4				24	37		M12x1.75P	2	1.70
SYIC-49148-AD+B	DAT40CxSFC18-100	168.4	188.4	50	63.55	33	42	M12x1.75P	1	1.20	
SYIC-49148-120-AD+B	DAT40CxSFC18-120	188.4				24	32		M12x1.75P	2	1.35
SYIC-49149-AD+B	DAT40CxSFC18-160	228.4				26	39		M12x1.75P	2	1.70
SYIC-49150-AD+B	DAT40CxSFC20-100	168.4	188.4	52	63.55	33	42	M16x2.0P	1	1.35	
SYIC-49150-120-AD+B	DAT40CxSFC20-120	188.4				26	35		M16x2.0P	2	1.50
SYIC-49151-AD+B	DAT40CxSFC20-160	228.4				26	39		M16x2.0P	2	1.90
SYIC-49152-AD+B	DAT40CxSFC25-100	168.4	188.4	58	63.55	44	53	M20x2.0P	1	1.50	
SYIC-49152-120-AD+B	DAT40CxSFC25-120	188.4				32	40		M20x2.0P	2	1.50
SYIC-49153-AD+B	DAT40CxSFC25-160	228.4				32	45		M20x2.0P	2	1.90
SYIC-49154-AD+B	DAT40CxSFC32-100	168.4	188.4	58	63.55	44	53	M20x2.0P	1	1.50	
SYIC-49154-120-AD+B	DAT40CxSFC32-120	188.4				40	49		M20x2.0P	2	1.50
SYIC-49155-AD+B	DAT40CxSFC32-160	228.4				40	49		M20x2.0P	2	2.20



## SYIC-49100-AD+B

## DAT / SFC 熱膨脹刀桿

DIN 69871-AD+B



- Highest rigidity
- Best TIR
- Slim design
- Light (for long reach)
- Easy handling

- With coolant feed.
- Precision: 0.003  $\mu\text{m}$  (4D length)
- Standard revolution to G2.5 20000rpm
- If exceeded to G2.5 20000rpm will be adding price.

MODEL NO	TYPE	$d_1 - l_1$	L	$l_2$	D	$d_2$	$d_3$	T	Fig	WEIGHT (K G S)
SYIC-49160-AD+B	DAT50CxSFC3-100	201.75	18		97.5	10	18		1	2.60
SYIC-49162-AD+B	DAT50CxSFC4-100	201.75	20			14	22	-	1	2.60
SYIC-49164-AD+B	DAT50CxSFC5-100	201.75	20			16	22		1	2.60
SYIC-49166-AD+B	DAT50CxSFC6-100	201.75				21	27	M8x1.25P	1	2.90
SYIC-49166-135-AD+B	DAT50CxSFC6-135	236.75	36			12	22	M4x0.7P	2	3.20
SYIC-49167-AD+B	DAT50CxSFC6-160	261.75				12	25		2	3.40
SYIC-49168-AD+B	DAT50CxSFC8-100	201.75				21	27	M8x1.25P	1	2.90
SYIC-49168-135-AD+B	DAT50CxSFC8-135	236.75	36			16	26	M6x1.0P	2	3.10
SYIC-49169-AD+B	DAT50CxSFC8-160	261.75				16	29		2	3.40
SYIC-49170-AD+B	DAT50CxSFC10-100	201.75				24	32		1	2.90
SYIC-49170-135-AD+B	DAT50CxSFC10-135	236.75	42			18	28	M8x1.25P	2	3.00
SYIC-49171-AD+B	DAT50CxSFC10-160	261.75				18	31		2	3.40
SYIC-49172-AD+B	DAT50CxSFC12-100	201.75				24	32		1	3.00
SYIC-49172-135-AD+B	DAT50CxSFC12-135	235.75	47			20	30		2	3.20
SYIC-49173-AD+B	DAT50CxSFC12-160	261.75				20	33	M10x1.5P	2	3.40
SYIC-49174-AD+B	DAT50CxSFC14-100	201.75				27	34		1	3.00
SYIC-49174-135-AD+B	DAT50CxSFC14-135	236.75	47			22	32		2	3.40
SYIC-49175-AD+B	DAT50CxSFC14-160	261.75				22	35		2	3.70
SYIC-49176-AD+B	DAT50CxSFC16-90	201.75				27	34		1	3.00
SYIC-49176-135-AD+B	DAT50CxSFC16-135	236.75	50			24	34		2	3.40
SYIC-49177-AD+B	DAT50CxSFC16-160	261.75				24	37	M12x1.75P	2	3.70
SYIC-49178-AD+B	DAT50CxSFC18-100	201.75				33	42		1	3.00
SYIC-49178-135-AD+B	DAT50CxSFC18-135	236.75	50			24	34		2	3.50
SYIC-49179-AD+B	DAT50CxSFC18-160	261.75				24	39		2	4.10
SYIC-49180-AD+B	DAT50CxSFC20-100	201.75				33	42		1	3.00
SYIC-49180-135-AD+B	DAT50CxSFC20-135	236.75	52			26	36	M16x2.0P	2	3.50
SYIC-49181-AD+B	DAT50CxSFC20-160	261.75				26	35		2	4.10
SYIC-49182-AD+B	DAT50CxSFC25-110	211.75				44	53		1	3.60
SYIC-49182-135-AD+B	DAT50CxSFC25-135	236.75	58			32	42		2	4.10
SYIC-49183-AD+B	DAT50CxSFC25-160	261.75				32	49	M20x2.0P	2	4.70
SYIC-49184-AD+B	DAT50CxSFC32-110	211.75			44	53		1	3.50	
SYIC-49184-135-AD+B	DAT50CxSFC32-135	236.75	58		40	50		2	4.20	
SYIC-49185-AD+B	DAT50CxSFC32-160	261.75			40	49		2	4.60	



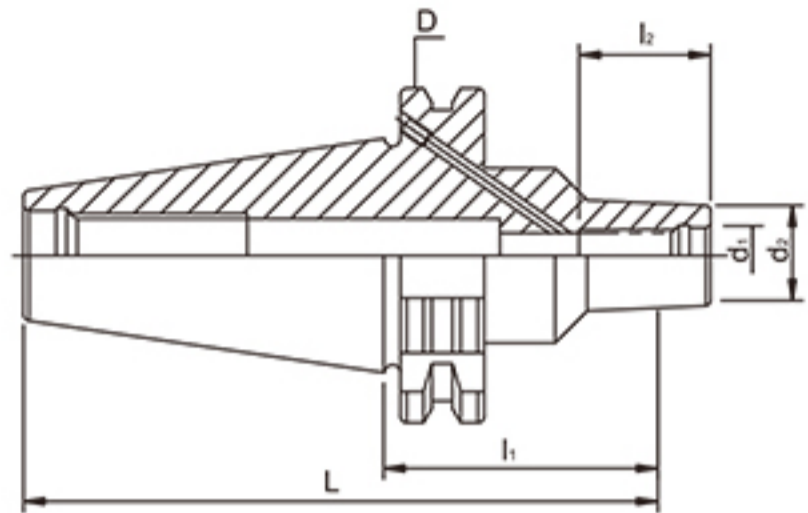


# DAT/SOM SCREWED END MILL HOLDER

with coolant feed type

## SYIC-49200-AD+B

## DAT / SOM 鎖固式銑刀柄



• With coolant feed.

See. SYIC-83740



See. SYIC-83700



MODEL NO	TYPE- $l_1$	L	$l_2$	D	$d_1$	$d_2$	T	WEIGHT (K G S)
SYIC - 49220 -AD+B	DAT40CxSOM6-60	128.4	25	63.55	6.5	13	M6 x1.0 P	1.0
SYIC - 49222 -AD+B	DAT40CxSOM8-60	128.4	25		8.5	15	M8 x1.25P	1.0
SYIC - 49224 -AD+B	DAT40CxSOM10-60	128.4	25		10.5	19	M10x1.5 P	1.1
SYIC - 49226 -AD+B	DAT40CxSOM12-70	138.4	31		12.5	21	M12x1.75P	1.1
SYIC - 49228 -AD+B	DAT40CxSOM16-80	148.4	31		17	25	M16x2.0 P	1.2
SYIC - 49240 -AD+B	DAT50CxSOM6-60	161.75	25	97.5	6.5	13	M6 x1.0 P	2.9
SYIC - 49242 -AD+B	DAT50CxSOM8-60	161.75	25		8.5	15	M8 x1.25P	2.9
SYIC - 49244 -AD+B	DAT50CxSOM10-60	161.75	25		10.5	19	M10x1.5 P	3.0
SYIC - 49246 -AD+B	DAT50CxSOM12-70	171.75	31		12.5	21	M12x1.75P	3.0
SYIC - 49248 -AD+B	DAT50CxSOM16-80	181.75	31		17	25	M16x2.0 P	3.0

















General Manager  
SCOTT C. C. CHEN



CNC INTERNAL GRINDING MACHINE

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