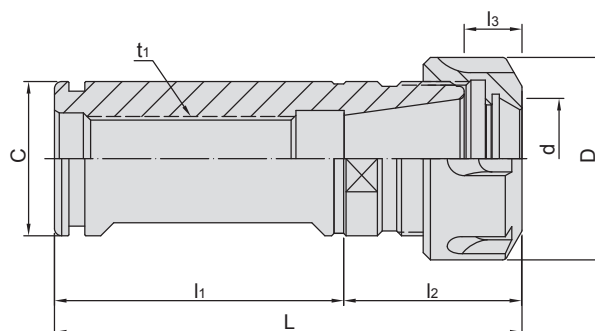


SYIC-04760

NC / ER 夾頭柄



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

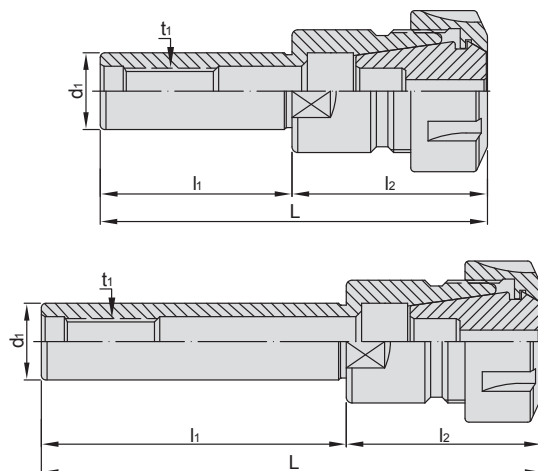
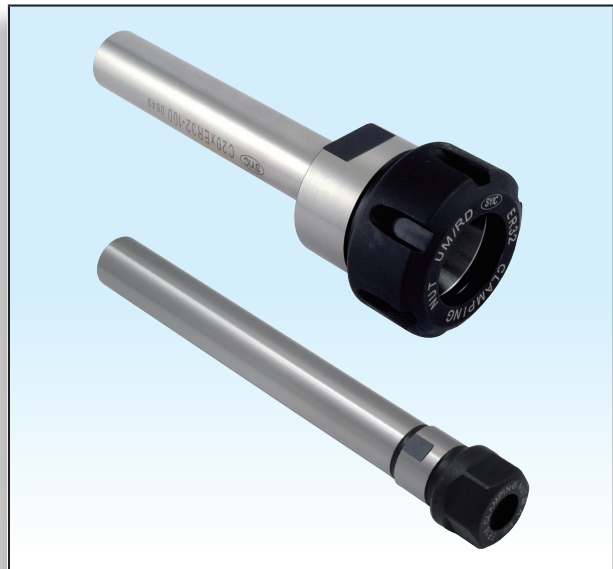
MODEL NO.	TYPE C x d - l ₁	L	l ₂	l ₃	D	t ₁	WEIGHT (KGS)
SYIC - 04762	C32 x NC/ER25 - 60	97	37	12	42	M18 x 1.5P	0.70
SYIC - 04764	C32 x NC/ER32 - 60	103	43	13	50	M22 x 1.5P	0.75
SYIC - 04766	C40 x NC/ER32 - 80	118	38				1.25
SYIC - 04768	C40 x NC/ER40 - 75	135	60	15	63	M28 x 1.5P	1.30
SYIC - 04770	C45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

STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE

SYIC-04800

直柄 ER 夾頭柄

DIN ISO 15488



- Steel: SNCM - 21.
- HRC: 56°.
- Each body has been locked with a nut as attachment, but without collets.

- ER8, 11, 16, 20 can purchase type-M nut.
- Can purchase shank separately.
- For complete set, please refer to SYIC-05000.

MODEL NO.	TYPE	L	l ₁	l ₂	ER	d ₁	t ₁	WEIGHT (KGS)		
SYIC - 04851	C16 x ER11A - 140	156.6	140	16.6	11	16	M6 x 1.0P	0.23		
SYIC - 04802	C16 x ER16A - 50	90	50	40	16		M10 x 1.5P	0.15		
SYIC - 04803	C16 x ER16A - 100	140	100					0.20		
SYIC - 04804	C16 x ER16A - 150	190	150					0.28		
SYIC - 04806	C20 x ER16A - 150	90	150			20		M12 x 1.75P	0.25	
SYIC - 04807	C20 x ER16A - 100	140	100	0.35						
SYIC - 04808	C20 x ER16A - 150	190	150	0.40						
SYIC - 04810	C20 x ER20A - 60	100.5	60	0.35						
SYIC - 04811	C20 x ER20A - 120	160.5	120	0.40						
SYIC - 04812	C20 x ER20A - 180	220.5	180	0.50						
SYIC - 04814	C20 x ER25 - 50	101	50	0.40						
SYIC - 04815	C20 x ER25 - 100	151	100	0.45						
SYIC - 04817	C20 x ER32 - 50	101.5	50	51.5	32		25		M10 x 1.5P	0.42
SYIC - 04818	C20 x ER32 - 100	151.5	100	51	25				M16 x 2.0P	0.55
SYIC - 04820	C25 x ER25 - 50	101	50			0.40				
SYIC - 04821	C25 x ER25 - 100	151	100			0.50				
SYIC - 04823	C25 x ER32 - 50	101.5	50			51.5	32	32		M16 x 2.0P
SYIC - 04825	C25 x ER40 - 50	115	50	65	40	2.10				
SYIC - 04827	C32 x ER32 - 60	111.5	60	51.5	32	1.15				
SYIC - 04829	C32 x ER40 - 50	115	50	65	40	2.00				
SYIC - 04855	C1 1/2" x ER11A - 140	156.6	140	16.6	11	12.7	M6 x 1.0P	0.50		
SYIC - 04854	C5/8" x ER11A - 140	156.6	140	35.1	16	15.875		0.23		
SYIC - 04832	C5/8" x ER16A - 60	95.1	60			15.875	M10 x 1.5P	0.12		
SYIC - 04834	C3/4" x ER16A - 50	85.1	50			19.05	M12 x 1.75P	0.20		
SYIC - 04835	C3/4" x ER16A - 100	135.1	100			19.05		0.25		
SYIC - 04856	C3/4" x ER16A - 140	175.1	140	19.05	0.25					
SYIC - 04836 - 2.5	C3/4" x ER20A - 63.5	104	63.5	19.05	1.00					
SYIC - 04858	C1" x ER20A - 140	180.5	140	40.5	20	25.4	M16 x 2.0P	0.50		
SYIC - 04837	C1" x ER25 - 50	101	50	51	25	25.4		0.95		
SYIC - 04839	C1" x ER32 - 50	101.5	50	51.5	32	25.4		1.00		
SYIC - 04841	C1" x ER40 - 50	115	50	65	40	25.4		2.10		
SYIC - 04843	C1-1/4" x ER32 - 60	111.5	60	51.5	32	31.75		1.15		

Standard Accessory: • STANDARD NUT

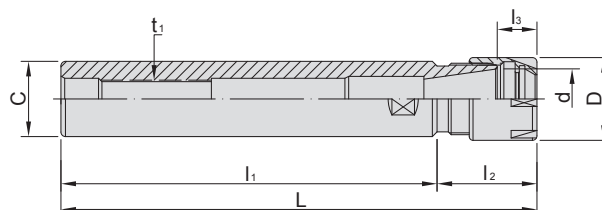
Option

COLLET	NUT	SPANNER	PRESET SCREW
P225	P241	P249	P275

SYIC-04860

小徑 / 直柄 ER 夾頭柄

DIN ISO 15488



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

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

MODEL NO.	TYPE (C x d - l ₁)	L	l ₂	l ₃	D	t ₁	WEIGHT (KGS)
SYIC - 04860	C8 x ER8M - 55	79	24	6	12	-	0.05
SYIC - 04861	C10 x ER8M - 180	197	17				0.15
SYIC - 04862	C12 x ER8M - 55	72					0.20
SYIC - 04863	C12 x ER11M - 80	96.6	16.6	6.6	16	M5 x 0.8P	0.23
SYIC - 04864	C16 x ER11M - 50	66.6					0.25
SYIC - 04865	C16 x ER11M - 100	116.6					0.23
SYIC - 04866	C16 x ER11M - 140	156.6					0.35
SYIC - 04867	C12 x ER16M - 80	117	37	10.6	22	M10 x 1.5P	0.38
SYIC - 04868	C20 x ER16M - 100	125	25	10.6	22		0.42
SYIC - 04869	C20 x ER16M - 140	165					0.35
SYIC - 04870	C20 x ER16M - 160	185					0.38
SYIC - 04873	C20 x ER20M - 60	100	40	11.5	28	M12 x 1.5P	0.40
SYIC - 04875	C20 x ER20M - 100	140					0.45
SYIC - 04877	C20 x ER20M - 120	160					0.50
SYIC - 04879	C20 x ER20M - 150	190					0.55
SYIC - 04881	C20 x ER 20M - 180	220					0.60
SYIC - 04883	C22 x ER20M - 140	180					0.45
SYIC - 04885	C25 x ER20M - 140	168	28	12	35	-	0.15
SYIC - 04887	C20 x ER25M - 100	150	50				0.20
SYIC - 04889	C3/8" x ER8M - 100	117	17	6	12		0.23
SYIC - 04890	C1/2" x ER8M - 78	95					0.20
SYIC - 04891	C1/2" x ER11M - 140	156.6	16.6	6.6	16	M5 x 0.8P	0.23
SYIC - 04893	C5/8" x ER11M - 140						0.20
SYIC - 04888	C1" x ER25M - 140	190	50	12	35	M16 x 2.0P	0.23
SYIC - 04895	C1/2" x ER16M - 140	177	37	10.6	22		0.23
SYIC - 04896	C3/4" x ER16M - 140	165	25			M10 x 1.5P	0.25
SYIC - 04897	C1" x ER20M - 140	168	28	11.5	28	M12 x 1.75P	0.50
SYIC - 04898	C3/4" x ER25M - 100	150	50	12	35		0.35

Standard Accessory: • STANDARD NUT

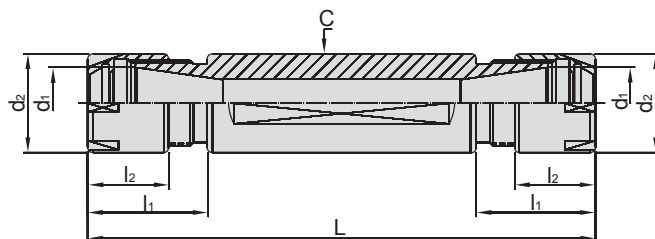
Option

COLLET	NUT	SPANNER	PRESET SCREW
P225	P241	P249	P275

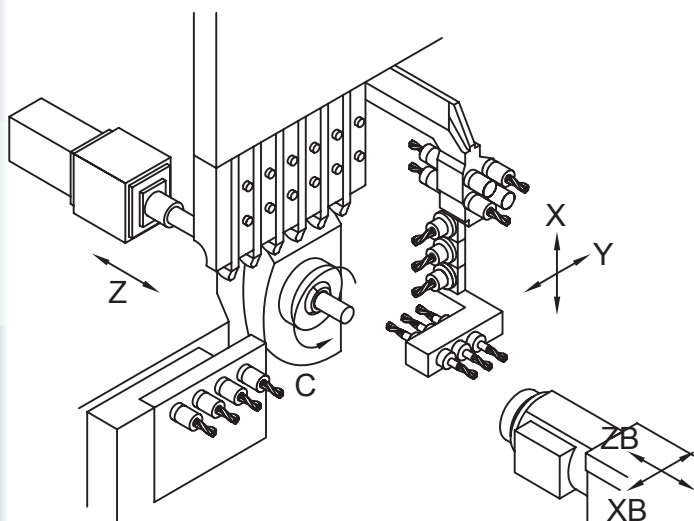
DOUBLE-ENDED STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE

SYIC-05150

直柄兩端 ER 自動車床用夾頭柄



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



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

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW
P225	P241	P249	P275

SYIC-05200

直柄伸縮 ER 攻牙器 (CNC車床專用)



- Used with ER Rigid Tap Collet or ER Collet to hold taps. Holding range is 1mm.
- The body is made of SCM-21 steel. Tightening screw is precisely ground.
- Flexible design. Can avoid any tap breakage resulting from overdoing, spindle's counterclockwise turning and turret moving.
- Good floating assembly, can be automatic to correct deviation of repeated position in workpiece.

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

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

for example:

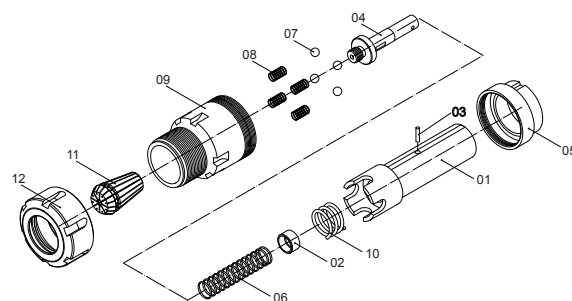
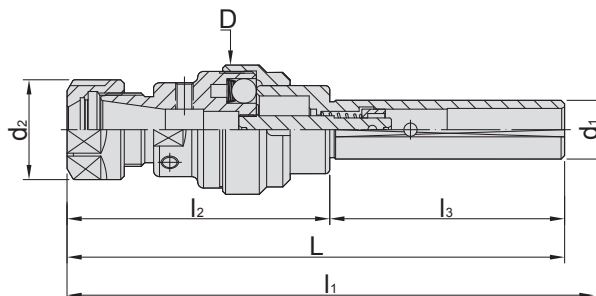
1. Processing material: S45C, V=400~440

2. Pitch = 1.5P

$$3. S = \frac{V}{P} = \frac{440}{1.5} \approx 293 \text{ (R. P. M.)}$$

NOTE:

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



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

ER32 Tapping Collet see SYIC - 05320

MODEL NO.	TYPE	D	d ₁	d ₂	L	l ₁	l ₂	l ₃	COLLET	CAPACITY	WEIGHT (KGS)
SYIC - 05205	TP - 20	44	20	34	159	172	79	80	ER20	M3 ~ M16	0.5
SYIC - 05206	TP - 225		25								0.7
SYIC - 05207	TP - 232		32								0.9
SYIC - 05208	STP - 20	37	20		155	1.0					
SYIC - 05215	TP - 32	56	32	50	174.5	190	94.5	80	ER32	M3 ~ M27	1.6
SYIC - 25225	TPM - 320	44	MT3	34	165	178	79	86	ER20	M3 ~ M16	1.4
SYIC - 25235	TPM - 420		MT4								50
SYIC - 05245	TPM - 432	56			50	203.5	216.5	94.5	109	ER32	

Standard Accessory: ● STANDARD NUT

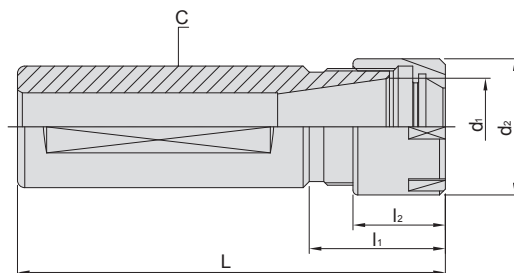
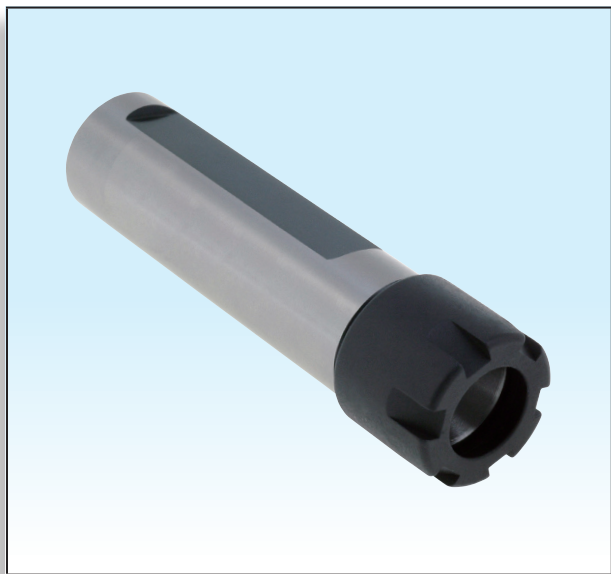
Option

COLLET	NUT	SPANNER
P230	P241	P249

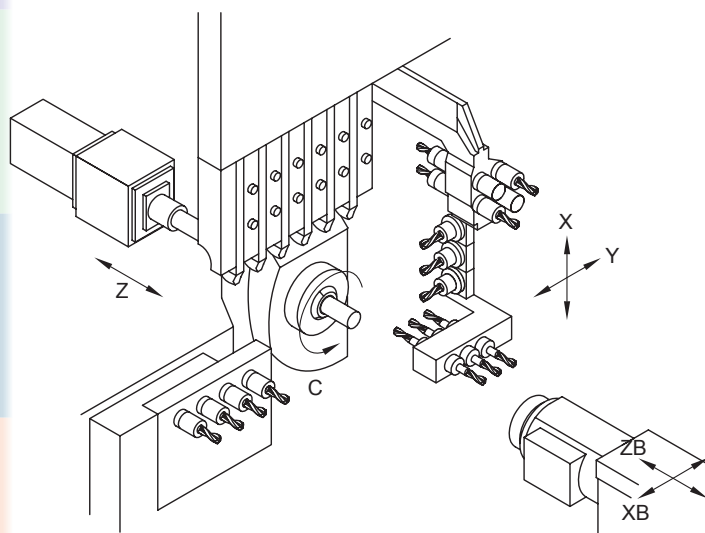
STRAIGHT SHANK ER COLLET CHUCK FOR AUTOMATIC LATHE

SYIC-05260

小徑/直柄 ER 自動車床用夾頭柄



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



MODEL NO.	TYPE	L	l ₁	l ₂	C	d ₁	d ₂	WEIGHT (KGS)
SYIC - 05272	C20 x ER11M - 60	76.6	16.6	6.6	20	11	16	0.14
SYIC - 05274	C20 x ER16M - 60	86.6	26.6	10.6		16	22	0.22
SYIC - 05278	C22 x ER11M - 60	103.2	16.6	6.6	22	11	16	0.26
SYIC - 05280	C22 x ER16M - 60	86.6	26.6	10.6		16	22	0.28
SYIC - 05286	C23 x ER11M - 60	93.2	16.6	6.6	23	11	16	0.30
SYIC - 05288	C23 x ER16M - 60	86.6	26.6	10.6		16	22	0.32
SYIC - 05298	C25 x ER20M - 60	88	16.5	11.5	25	20	28	0.34

Standard Accessory: • STANDARD NUT

Option

COLLET	NUT	SPANNER	PRESET SCREW
P225	P241	P249	P275