ER COLLET

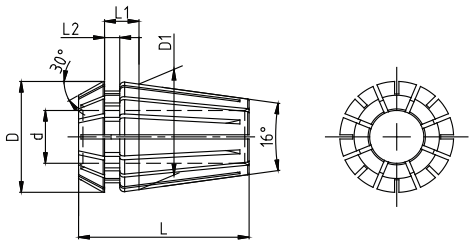
FEATURES

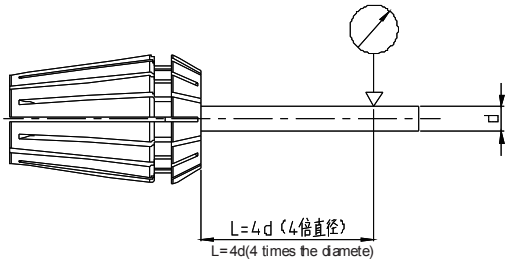
Made of special materials, the chuck has advantages of corrosion resistance, large clamping force, small deformation, stable precision and high wearing resistance; under the same locking force condition, its wearing resistance is better than that of SK chuck; therefore, it has a longer service life.
High precision: The radial run-out of Grade PP (instrument grade) is ≤0.001, which is far higher than that of similar products in the market.
It has a smooth surface and bright appearance, which make people feel comfortable when touching it.
Scope of application: It is widely used for boring, milling, drilling, tapping, grinding, engraving and other machining areas.
Generally, it is used together with the N.C. shank. It is suitable for a machining center with the relatively high speed.

Symbol of the Precision Grade	Precision Grade	(μm) Radial Run- out
PP	instrument grade	≤ 1
P	ultra precision grade	≤ 2
AA	precision grade	≤ 5
A	ordinary grade	≤ 8

ER11-B-5.0

The accuracy shall be based on chuck integer.





NAMING RULE:

ER11-B-5.0

ER
ER CHUCK CODE

REFERENCE DIAMETER/mm
11 | 16 | 20 | 25 | 32 | 40

CHUCK TYPE
Default setting: Type A chuck (blank)
B: Type B chuck

5.0:Φ5 CUTTER
(THE CUTTER DIAMETER IS AN INTEGRAL: ONE DECIMAL)
3.175:Φ3.175 CUTTER
(THE CUTTER DIAMETER IS A DECIMAL: ACTUAL DECIMAL DIGITS)

ER COLLET

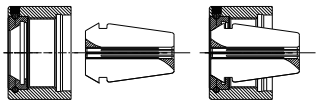
TECHNICAL PARAMETERS

Chuck type	Model	d (H7)	D	L	D1	L1	L2	Grade A/ordinary grade, Grade AA/precision grade		Grade P/ultra precision grade, Grade PP/ instrument grade	
								Range of cutter diameter	Requirements for precision of cutter shank diameter	Tool internal diameter range	Requirement for precision of cutter diameter
ER8	ER8B	2.0~5.0	8.45	13.5	8	2.98	1.2	2.0~5.0	d1h7	1.0~5.0	d1h7
ER11	ER11	2.0~7.0	11.5	18	11	2	2	2.0~7.0		1.0~7.0	
	ER11B					3.8	2				
ER16	ER16	2.0~10.0	17	27.5	16	2.3	2.3	2.0~10.0		1.0~10.0	
	ER16B					6.26	2.7				
ER20	ER20	2.0~13.0	21	31.5	20	2.4	2.4	2.0~13.0		2.0~13.0	
	ER20B					6.36	2.8				
ER25	ER25	2.0~16.0	26	34	25	2.5	2.5	2.0~16.0		2.0~16.0	
	ER25B					6.66	3.1				
ER32	ER32	2.0~3.0	33	40	32	2.7	2.7	2.0~3.0		2.0~3.0	
		4.0~20.0						4.0~20.0		4.0~20.0	
	ER32B	2.0~3.0				7.16	3.6	2.0~3.0		2.0~3.0	
		4.0~20.0						4.0~20.0		4.0~20.0	
ER40	ER40	3.0~26	41	46	40	3.5	3.5	3.0~26		3.0~26	
		27.0~30.0						27.0~30.0			
	ER40B	3.0~26				7.66	4.1	3.0~26		3.0~26	
		27.0~30.0						27.0~30.0			

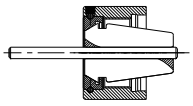
Other models which are not listed can be customized in accordance with the needs of the customer; you can contact the customer service of our Company in case of any need

Installation and Notes to Collet Chuck:

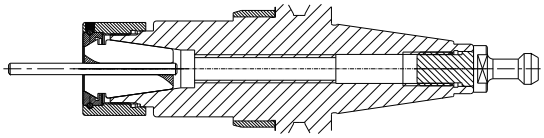
Installation of Collet Chuck:



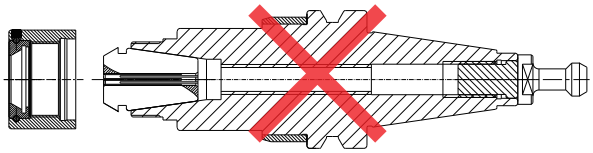
1 Install the collet into the nut



2 Place the cutter in it



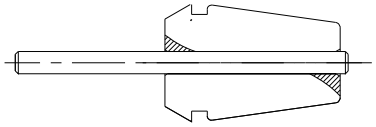
3 Lock the cutter in the shank



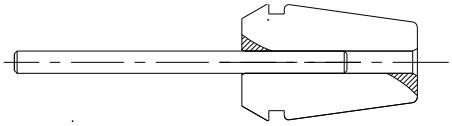
ERROR!

4 Don't install the collet into the shank before locking the nut.

Note to the Installation of Cutter:



Correct way (appropriate clamping depth)



Wrong way (the cutter has not been installed into the collet solidly)

III. Notes:

1.Before installing the collet chuck, you must first put the collet into the lock nut, and then screw the lock nut installed with the collet onto the extension rod or the cutter shank lightly; install the cutter and then the machine can be put into operation after the lock not is clamped tight.

2.To obtain the best use properties, you must clean the thread locating face and the conial surface of the collet and lock nut before installing the collet chuck.

3.Please be sure that the collet chuck clamps the cutter tight when they are used for cutting and processing to avoid such accident as that the cutter flies away and hurts other people. 4.When the cutter shank of the collet chuck is out of working condition, the collet chuck prohibited to screw the lock nut on the shank or the extension rod when it is not installed with the cutter