

# ER CLAMPING NUT

## Brief introduction

ER COLLET CHUCK NUT, Selection of high quality spring steel, has a higher flexibility and service life. The clamping force, clamping range, high precision, used for boring, milling, drilling, tapping, grinding and engraving processing. ER collet all through high precision grinding, precision manufacturing line with the German DIN 6499 specifications.

## Specifications

1. model No.: ER8, ER11, ER16, ER20, ER25, ER32, ER40, ER50
2. material: 42CrMo
3. hardness: HRC52
4. screw and 30 inclination molding processing, the thread tolerance class 4H-class
5. accuracy: AA grade (0.005)mm
6. default balancing G6.3 12000rpm, 18000rpm
7. Packaging Detail: Plastic boxes, carton

TYPE	MODEL	D (mm)	L (mm)	M	Wt (kg)
A	ER11-A	19	11.3	M14*0.75	0.005
	ER16-A	28	17.5	M22*1.5	0.01
	ER20-A	35	19	M25*1.5	0.05
M	ER8-M	12	12	M10*0.75	0.005
	ER11-M	16		M13*0.75	0.01
	ER16-M	22	18	M19*1	0.05
	ER20-M	28	18	M24*1	0.6
	ER25-M	35	20	M30*1	0.08
UM	ER25-UM	42	20	M32*1.5	0.14
	ER32-UM	50	22.5	M40*1.5	0.2
	ER40-UM	63	25.5	M50*1.5	0.3
	ER50-UM	78	35.5	M64*2	0.5

## Features:

The special structure is for balance to make sure the status of circular uniform distribution

The collet chuck will not be loosened during machining, and please assemble and disassemble the chuck as the marked direction

How to install the collet nut

Push on the bottom of the collet nut until the collet completely enters, and lines up with the nut. Also the collet moves into the proper alignment, you will hear and feel a distinct click, indicating that the top of the collet safely secured above the extractor ring.



型式: A  
六角形螺帽



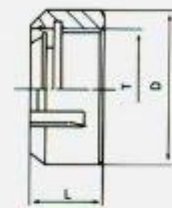
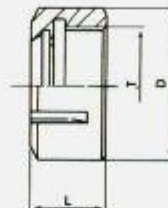
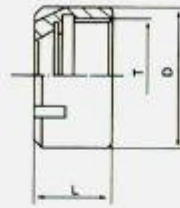
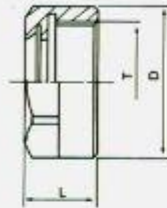
型式: M  
小型螺帽



型式: UM/RD  
标准型螺帽



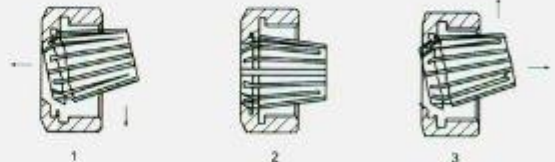
型式: KM/RD  
强力型螺帽



型号 MODEL	规格 TYPE	D	d	L	T	重量 WT (kg)	型号 MODEL	规格 TYPE	D	d	L	T	重量 WT (kg)
A	ER11	19	17	11.3	M14×0.75P	0.02	UM/RD	ER25	42	29	20	M32×1.5P	0.14
	ER16	28	25	17.5	M22×1.5P	0.05		ER32	50	38.5	22.5	M40×1.5P	0.20
	ER20	34	28.5	19	M25×1.5P	0.10		ER40	63	48.3	25.5	M50×1.5P	0.30
M	ER8	12		10.8	M10×0.75P	0.005		ER50	78	59	35.5	M64×2.0P	0.50
	ER11	16		12	M13×0.75P	0.010		KM/RD	ER25	42	29	22.5	M32×1.5P
	ER16	22		18	M19×1.0P	0.050	ER32		50	38.5	26	M40×1.5P	0.18
	ER20	28		19	M24×1.0P	0.050	ER40		63	48.3	29	M50×1.5P	0.30
ER25	35		20	M30×1.0P	0.080	ER50	78		59	40	M64×2.0P	0.50	

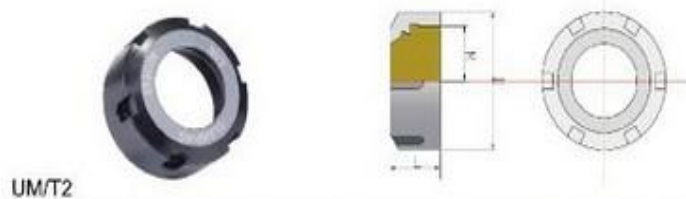
压帽与卡簧的安装 Mounting instruction for ER collets and nuts

- 将夹头放入压帽内,轻轻转动卡簧,待压帽偏心部分凹入卡槽内,沿箭头方向均匀用力推动卡簧,即可装入压帽内。
- 将卡簧与压帽一起安装在夹头体或机床主轴内,把刀具圆柱柄部擦净后装入夹持孔内,使用扳手均匀用力紧固压帽,直到刀具夹牢为止方可使用。(注意:且忌在未安装刀具状态下紧固压帽,以免损坏夹头)。
- 换刀时,用扳手松开压帽带出夹头及刀具,卸下刀具,沿箭方向用力推动卡簧,使其退出,然后根据需要换上其它孔径的卡簧即可。



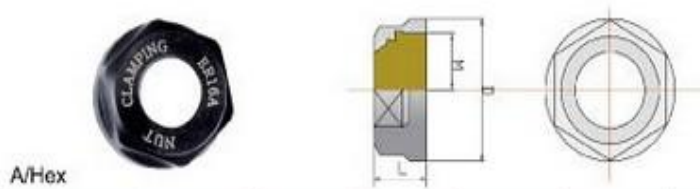
- Put the collet into turn the nut, the collet slightly, push it into the nut at the offered direction evenly when the offset flange sinks into the undercut of the collet.
- Fix the nut and the collet on the spindle rotate the nut until the collet in pressing. Wipe the straight shank of cutter, and insert it into the pilot hole. Tighten the nut with a wrench till the cutter is clamped heavily (Caution: never tighten the nut with it for it will break)
- When changing the tool, Loosen the nut and it shall bring out the collet and the cutter together, and then draw the cutter out push out slightly the collet in the offered direction, it shall be ready for any change of the cutter.

ER 压帽



UM/T2

Order No	Model	D(mm)	d1(mm)	L(mm)	T	Wt(kg)
NER16UM	ER16-UM	32	26	17	M22X1.5	0.05
NER20UM	ER20-UM	35	29	19	M25X1.5	0.1
NER25UM	ER25-UM	42	36	20	M32X1.5	0.14
NER32UM	ER32-UM	50	44	22.5	M40X1.5	0.2
NER40UM	ER40-UM	63	57	25.5	M50X1.5	0.3
NER50UM	ER50-UM	78	71	35.5	M64X2	0.5



A/Hex

Order No	Model	D(mm)	d1(mm)	L(mm)	T	Wt(kg)
NER11A	ER11-A	19	17	11.3	M14X0.75	0.005
NER16A	ER16-A	28	25	17.5	M22X1.5	0.01
NER20A	ER20-A	34	30	19	M25X1.5	0.05