

# ER Collet Nuts

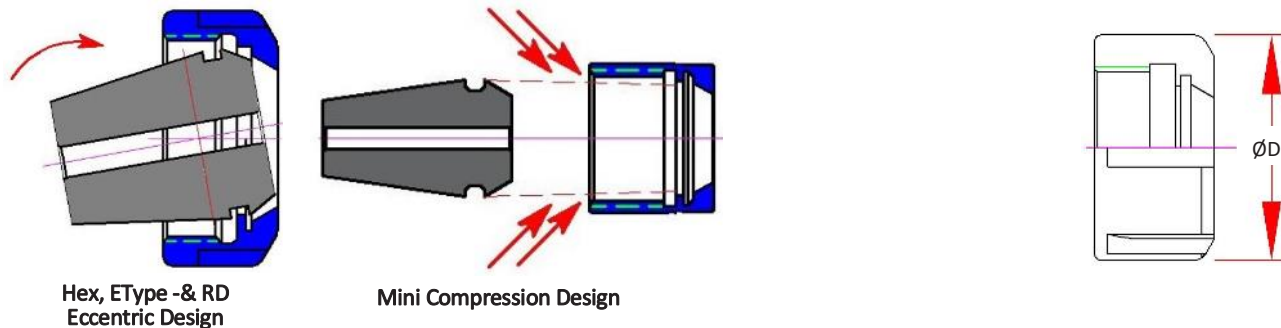
Pioneer replacement ER nuts exceed industry standard for fit, finish and balance. ER nuts are in 4 styles, Mini, Hex, E Type & RD Type.

- **Hex Nuts** are standard for ER11, ER16 & ER20. Smaller diameter than E-Type with standard chuck threads. Hex nuts are machined with an eccentric for easy collet installation and removal.
- **E-Type** or castle type use the 4 prong wrench or spanner wrench, standard on ER25, ER32 & ER40. E-Type nuts are machined with an eccentric for easy collet installation and removal.
- **-EXT** are external threaded nuts for stub length holders. Due to the constraints of the design collets must be “snapped” into the nut. Tap and Sealed Collets are difficult to install and remove.
- **Mini nuts** are designed for reduced threaded Mini Chucks. Mini nuts use a special E type wrench. Mini’s are not interchangeable with Hex or E-Type. Mini nuts are a compression type nut, must be pressed onto the collet for the nut to extract the collet from the chuck.



*Note: Mini Nuts do not function well with some sealed and tap collets due to the limited space to tip the collet for removal. Some small ID, tap and sealed collets are difficult to compress causing issues in installation and removal.*

## Collet Retainer Type



*Note: ER Nuts are built to DIN standards. Per DIN tolerances the collet may or many not be retained by an eccentric style nut. If the collet is not retained into an eccentric style nut are not defective but a result of the DIN tolerances.*

Nut Part Number	Description	Wrench Part Number	Collet Retainer	Ø D	Thread	Max. Torque
ERN-08M	ER 8 Mini Nut	WRENCH ERW-8M	Compression	0.472 / 12mm	M10 x 0.75	6 ft/lbs
ERN-11H	ER 11 Nut -Hex	WRENCH ERW-11H	Eccentric	0.787 / 20mm	M14 x 0.75	18 ft/lbs
ERN-11M	ER 11 Mini Nut	WRENCH ERW-11M	Eccentric	0.630 / 16mm	M13 x 0.75	9 ft/lbs
ERN-16B	ER 16 Nut - E Type	WRENCH 30-32 HOOK	Compression	1.260 / 32mm	M22 x 1.5	40 ft/lbs
ERN-16H	ER 16 Nut -Hex	WRENCH ERW-16H	Eccentric	1.102 / 28mm	M22 x 1.5	40 ft/lbs
ERN-16E	ER 16 Nut - E Type	WRENCH ERW-16E	Eccentric	1.260 / 32mm	M22 x 1.5	40 ft/lbs
ERN-16M	ER 16 Mini Nut	WRENCH ERW-16M	Eccentric	0.866 / 22mm	M19 x 1.0	13 ft/lbs
ERN-20B	ER 20 Nut - E Type	WRENCH 34-38 HOOK	Compression	1.380 / 35mm	M25 x 1.5	60 ft/lbs
ERN-20H	ER 20 Nut -Hex	WRENCH ERW-20H	Eccentric	1.338 / 34mm	M25 x 1.5	60 ft/lbs
ERN-20E	ER 20 Nut - E Type	WRENCH ERW-20E	Eccentric	1.380 / 35mm	M25 x 1.5	60 ft/lbs
ERN-20M	ER 20 Mini Nut	WRENCH ERW-20M	Eccentric	1.102 / 28mm	M24 x 1.0	17 ft/lbs
ERN-25B	ER 25 Nut - E Type	WRENCH 40-42 HOOK	Compression	1.654 / 42mm	M32 x 1.5	75 ft/lbs
ERN-25E	ER 25 Nut - E Type	WRENCH ERW-25E	Eccentric	1.654 / 42mm	M32 x 1.5	75 ft/lbs
ERN-32B	ER 32 Nut - E Type	WRENCH 50-55 HOOK	Compression	1.969 / 50mm	M40 x 1.5	100 ft/lbs
ERN-32E	ER 32 Nut - E Type	WRENCH ERW-32E	Eccentric	1.969 / 50mm	M40 x 1.5	100 ft/lbs
ERN-32H-EXT	ER 32 Ext Nut—Hex	WRENCH DAW180	Compression	M40	M40	100 ft/lbs
ERN-40B	ER 40 Nut - E Type	WRENCH 58-65 HOOK	Compression	2.480 / 63mm	M50 x 1.5	125 ft/lbs
ERN-40E	ER 40 Nut - E Type	WRENCH ERW-40E	Eccentric	2.480 / 63mm	M50 x 1.5	125 ft/lbs