MONAGHAN
TOOLING GROUP

Your hole finishing experts.

Eliminate runout in ER holders!

easyZERO: An easy-to-use replacement nut designed to quickly correct runout errors and misalignment for all round tools using ER collets - ER16 to ER40.

STRUGGLING WITH RUNOUT?

Simply replace your existing ER collet nut with an easyZERO runout compensation nut! The easyZERO nut features six adjustment screws that allow for up to 0.0011" runout to be dialed out in seconds.

Hold tighter tolerances & produce better surface finishes.

Your difficult parts can be more easily "made to print" when your tools are consistently hitting their target.

Increase tool life & lower tooling costs.

Allow all cutting edges to equally share the chip load. Concentric cutting means consistent tool wear.

Save time and increase process capability.

Spend less time tapping and resetting your tools and collets. Rapidly dial in your runout with complete control.
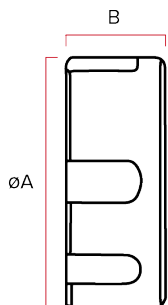
Part Number	EZ-ER16	EZ-ER20	EZ-ER25	EZ-ER32	EZ-ER40
Collet Max Ø	0.393" (10mm)	0.511" (13mm)	0.630" (16mm)	0.787" (20mm)	1.181" (30mm)
ØA	34mm	42mm	50mm	63mm	79mm
b	20mm	20mm	22mm	23mm	28mm
Spanner Size	ER20	ER25	ER32	ER40	ER50
Hex Key	2.0mm	2.0mm	2.5mm	2.5mm	3.0mm

Available Kit Options

Kit 1:
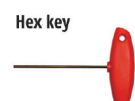
easyZERO Nut
ER Collet
Hex Key
Spanner

Kit 2:

easyZERO Nut
ER Collet
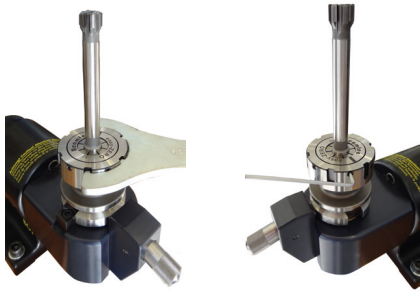Hex Key

Kit 3:

easyZERO Nut
Hex Key
Spanner

Kit 4:

easyZERO Nut
Hex Key

REGO-FIX®Collet DM metallic sealed (for through coolant tools)

Spanner

Hex key

Setting Instructions

Before starting, clean all parts thoroughly.

1. All six (6) perimeter set screws should be backed out until flush with the OD of the clamping nut.

2. Assemble the collet into the clamping nut and then start threading the clamping nut onto the tool holder.

3. Insert the cutting tool shank into the collet and finish threading the clamping nut onto the tool holder, using the spanner to tighten – Do not over tighten. **Note:** spanner is one size larger than typically used for each size. (i.e. ER25 uses ER32 spanner, ER32 uses ER40, etc.)

4. Snug all six (6) perimeter set screws evenly.

5. Place tool assembly in machine tool spindle where tool is run. Then, set dial gauge on the concentricity band or on the tool surface where zero runout is most critical. Use a 0.001mm or .0001" dial indicator. Determine the existing runout by rotating the tool holder/spindle 360 degrees. Stop at the highest point of the gauge.

6. Tighten the perimeter set screw closest to position of the highest point. If needed, loosen the perimeter set screw on the opposite side to allow front side to be tightened further.

7. Repeat this procedure until the runout is reduced to less than 0.005mm or .0002"

8. When the runout has been corrected, snug all remaining perimeter set screws and check runout again to ensure nothing has moved.

30-day risk-free guaranteed trial offer!
Please contact us for more details!