

Garant**HiRunER precision ER collet chuck, HSK-A 63 A = 160, for ER collet size: 11 M ER****Order data**

Order number	305527 11M
GTIN	4062406545024
Item class	31A

Description**Version:**

External and internal tapers are ground. All shanks are hard turned for a smooth cutting action. Including Balluffchip bore, high-performance clamping nut up to 25000 rpm.

Advantage:

- **Excellent concentricity in the system (chuck + collet + clamping nut), 3 µm radial run-out with a 2 µm collet, 6 µm radial run-out with a 5 µm collet.**
- **Extremely strong holding force (up to factor 2 better than the standard ER chuck).**
- **Vibration-reducing effect due to 2-part clamping nut (one part for Mini version).**

Application:

For clamping tools with plain shank in collets to DIN 6499 - Form A and B.

Supplied with:

Precision clamping nut.

Optional extras:

Coolant pipe No. 309880,

socket wrench No. 309890,

ER clamping wrenches No. 309748; 309749; 309757; 309758,

Fahrion ER collets No. 308901 – 309434.

Note:

- **Clamps only nominal Ø up to shank Ø tolerance h 10.**
- **Do not use the clamping nut in combination with a sealing washer.**
- **Use the precision collet chuck always in conjunction with the precision clamping nut No. 309617; 309618.**
- **Use in combination with Fahrion collets.**

Clamping range: 1 - 7 mm

External Ø D: 16 mm

Spare ER clamping nut No. 309618: 11M

Technical description

for ER collets	11
External Ø D	16 mm
Spare ER clamping nut No. 309618	11M
Clamping range	1 - 7 mm
Adapter	HSK-A 63 A = 160
Arbor standard	DIN 69882-6
Arbor standard	DIN 69893
Shape	A
Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Concentricity	≤ 3 µm
Machining strategy	HPC
Machining strategy	HSC
Through-coolant	yes
Balluffchip bore	yes
Type of product	Collet chuck