

Garant**HiRunER precision ER collet chuck, HSK-A 63 short, for ER collet size: 16****Order data**

Order number	305523 16
GTIN	4045197771667
Item class	31A

Description**Version:**

External and internal tapers are ground. All shanks are hard turned for smooth running. Including RFID/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 reduction 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 tube No. 309880,

Socket wrench No. 309890,

ER collets Fahrion No. 308901 and 309432.

Hook wrench No. 628400, or torque wrench No. 309749 or No. 628520.

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.**
- **The blue design ring must be removed for Fahrion HP 2µm ER collets.**

Technical description

External Ø D	34 mm
Overhang dimension A for ER collets	75 mm
Clamping range	16
Spare ER clamping nut No. 309617	0.5 - 10 mm
ER chuck key No. 309748; No. 309749	16
Adapter	16
Arbor standard	HSK-A 63 short
Arbor standard	DIN 69893
Shape	ISO 12164-1
Balance quality G at rotational speed	A
Concentricity	G 2.5 at 25,000 rpm
Machining strategy	≤ 3 µm
Machining strategy	HPC
Through-coolant	HSC
Balluffchip bore	yes
Type of product	yes
	Collet chuck

Accessories

ER collet Nominal clamping Ø d 7 mm	308901 7
ER clamping nutfor HiRunER collet chucks for ER 16	309617 16
ER collet Nominal clamping Ø d 8 mm	308901 8
ER colletwith seal Nominal clamping Ø d 6 mm	308906 6
ER colletwith seal Nominal clamping Ø d 9 mm	308906 9
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5

ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER colletwith seal Nominal clamping Ø d 4 mm	308906 4
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet Nominal clamping Ø d 3 mm	308901 3
ER colletwith seal Nominal clamping Ø d 7 mm	308906 7
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER colletwith seal Nominal clamping Ø d 8 mm	308906 8
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet Nominal clamping Ø d 5 mm	308901 5
ER colletwith seal Nominal clamping Ø d 10 mm	308906 10
ER colletwith seal Nominal clamping Ø d 5 mm	308906 5
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mmwith seal	309014
ER collet Nominal clamping Ø d 9 mm	308901 9
ER collet Nominal clamping Ø d 4 mm	308901 4
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
ER collet set 10 pieces 1–10 mm	309012
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ER collet Nominal clamping Ø d 10 mm	308901 10
ER collet Nominal clamping Ø d 1 mm	308901 1
ER collet Nominal clamping Ø d 6 mm	308901 6
ER colletwith seal Nominal clamping Ø d 3 mm	308906 3
HiRunER clamping wrench Type 16	309748 16
HiRunER clamping wrench for torque wrench Type 16	309749 16