

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

**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 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 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 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.**

ER chuck key No. 309748; No. 309749: 16

Clamping range: 0.5 - 10 mm  
 Overhang dimension A: 75 mm  
 External Ø D: 34 mm  
 Spare ER clamping nut No. 309617: 16

## Technical description

External Ø D	34 mm
Overhang dimension A	75 mm
for ER collets	16
Clamping range	0.5 - 10 mm
Spare ER clamping nut No. 309617	16
ER chuck key No. 309748; No. 309749	16
Adapter	HSK-A 63 short
Arbor standard	DIN 69893
Arbor standard	ISO 12164-1
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

## Accessories

ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	308922 9
ER collet with seal Nominal clamping Ø d 3 mm	308921 3
HiRunER clamping wrench Type 16	309748 16

ER collet Nominal clamping Ø d 7 mm	308901 7
HiRunER clamping wrench for torque wrench Type 16	309749 16
ER clamping nut for HiRunER collet chucks for ER 16	309617 16
ER collet Nominal clamping Ø d 8 mm	308901 8
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	308922 3
ER collet with seal Nominal clamping Ø d 9 mm	308906 9
ER collet with seal Nominal clamping Ø d 5 mm	308921 5
ER collet with seal Nominal clamping Ø d 4 mm	308921 4
ER collet Nominal clamping Ø d 10 mm	308920 10
ER collet with seal Nominal clamping Ø d 6 mm	308921 6
ER collet with seal Nominal clamping Ø d 7 mm	308921 7
ER collet set 10 pieces 1–10 mm	309160
ER collet with seal Nominal clamping Ø d 10 mm	308921 10
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER collet Nominal clamping Ø d 5 mm	308920 5
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet Nominal clamping Ø d 8 mm	308920 8
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm	308922 6
ER collet set 10 pieces 1–10 mm with seal and spray nozzles	309165
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet with seal and spray nozzles Nominal clamping Ø d 10 mm	308922 10
ER collet Nominal clamping Ø d 3 mm	308901 3

ER collet Nominal clamping Ø d 9 mm	308920 9
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet set 10 pieces 1–10 mm with seal	309164
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER collet with 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 collet with seal Nominal clamping Ø d 9 mm	308921 9
ER collet with seal Nominal clamping Ø d 10 mm	308906 10
ER collet with seal Nominal clamping Ø d 5 mm	308906 5
ER collet with seal Nominal clamping Ø d 8 mm	308921 8
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
ER collet Nominal clamping Ø d 6 mm	308920 6
ER collet Nominal clamping Ø d 7 mm	308920 7
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	308922 8
ER collet Nominal clamping Ø d 9 mm	308901 9
ER collet Nominal clamping Ø d 4 mm	308901 4
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	308922 7
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 2 mm	308920 2
ER collet Nominal clamping Ø d 4 mm	308920 4

ER collet Nominal clamping Ø d 3 mm	308920 3
ER collet Nominal clamping Ø d 1 mm	308901 1
ER collet Nominal clamping Ø d 1 mm	308920 1
ER collet Nominal clamping Ø d 6 mm	308901 6
ER collet with seal Nominal clamping Ø d 3 mm	308906 3