

**Garant**
**ER collet chuck Mini slim, HSK-A 100 A = 160, for ER collet size: 16**

**Order data**

Order number	305723 16
GTIN	4062406110741
Item class	31A

**Description**
**Version:**

- **All shanks hard turned (for smooth running!).**
- **With Balluffchip bore.**
- **Bored open (= ER11).**
- **HSK mating faces machined.**

**Supplied with:**

High Speed ER mini nut, precision balanced (G2.5 / 25,000 rpm).

**Optional extras:**

Coolant tube No. 309880, coolant tube socket wrench No. 309890, ER collets No. 30881 – 309430, ER mini clamping wrench No. 309740.

Machining strategy: HSC

External Ø D: 22 mm

Spare ER mini nut No. 309650: 16

**Technical description**

External Ø D	22 mm
Spare ER mini nut No. 309650	16
Usable length L <sub>N</sub>	70 mm
Adapter	HSK-A 100 A = 160
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	HSC
Balluffchip bore	yes
Type of product	Collet chuck

## Accessories

ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309403 2,8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309445 5
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309445 6
ER collet HP Nominal clamping Ø d 2 mm	309370 2
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309372 4
ER collet Nominal clamping Ø d 1 mm	308920 1
ER collet HP Nominal clamping Ø d 6 mm	309370 6
ER collet Nominal clamping Ø d 9 mm	308920 9
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309403 6
ER collet Nominal clamping Ø d 9 mm	308901 9
ER clamping nut for ER 16	309580 16
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
ER collet Nominal clamping Ø d 8 mm	308920 8
ER collet HP Nominal clamping Ø d 1 mm	309370 1
ER collet HP Nominal clamping Ø d 5 mm	309370 5
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	308906 3
ER collet Nominal clamping Ø d 7 mm	308920 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet Nominal clamping Ø d 4 mm	308901 4
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309402 6
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309403 3,5
ER collet with seal Nominal clamping Ø d 10 mm	308906 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309445 4,5
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2,8 mm	309445 2,8
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
ER collet HP Nominal clamping Ø d 3 mm	309370 3
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309403 4
ER collet with seal Nominal clamping Ø d 9 mm	308921 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
ER collet Nominal clamping Ø d 3 mm	308901 3
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309403 9
ER collet with seal Nominal clamping Ø d 9 mm	308906 9

ER collet HP Nominal clamping Ø d 10 mm	309370 10
ER clamping nut for HiRunER collet chucks for ER 16	309617 16
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	308922 8
ER collet with seal Nominal clamping Ø d 4 mm	308921 4
ER collet Nominal clamping Ø d 5 mm	308901 5
ER collet Nominal clamping Ø d 2 mm	308920 2
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet HP Nominal clamping Ø d 4 mm	309370 4
ER collet Nominal clamping Ø d 3 mm	308920 3
ER collet HP Nominal clamping Ø d 9 mm	309370 9
ER collet Nominal clamping Ø d 6 mm	308901 6
ER collet HP with seal Nominal clamping Ø d 7 mm	309371 7
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309403 7
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
ER collet Nominal clamping Ø d 4 mm	308920 4
ER collet with seal Nominal clamping Ø d 7 mm	308921 7
ER clamping nut High Speed for ER 16	309610 16
ER collet HP with seal Nominal clamping Ø d 6 mm	309371 6
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm	309372 6
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309403 8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ER collet with seal Nominal clamping Ø d 5 mm	308921 5
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2 mm	309445 2
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	308922 3
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309445 3,5
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet HP with seal Nominal clamping Ø d 10 mm	309371 10
ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm	308922 6
ER collet HP with seal Nominal clamping Ø d 4 mm	309371 4
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER plain bearing clamping nut for ER 16	309612 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
ER collet HP Nominal clamping Ø d 8 mm	309370 8
ER collet Nominal clamping Ø d 1 mm	308901 1
ER collet with seal Nominal clamping Ø d 8 mm	308921 8
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309402 9
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3 mm	309445 3
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309445 4
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet with 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 collet with seal Nominal clamping Ø d 5 mm	308906 5
ER collet Nominal clamping Ø d 10 mm	308901 10
ER collet HP with seal Nominal clamping Ø d 5 mm	309371 5
ER collet Nominal clamping Ø d 6 mm	308920 6
ER collet with seal Nominal clamping Ø d 10 mm	308921 10
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ER collet HP with seal Nominal clamping Ø d 8 mm	309371 8
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ER collet with seal Nominal clamping Ø d 8 mm	308906 8
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8