

**Garant**
**ER collet chuck Mini slim, HSK-A 63 A = 130, for ER collet size: 16**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 305712 16     |
| GTIN         | 4051977635012 |
| 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. 308881 – 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            |
| for ER collets               | 16 mm            |
| Spare ER mini nut No. 309650 | 16               |
| Usable length L <sub>N</sub> | 94 mm            |
| Adapter                      | HSK-A 63 A = 130 |
| 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 with seal Nominal clamping Ø d 7 mm                                      | 308906 7   |
| ER collet with seal Nominal clamping Ø d 9 mm                                      | 308906 9   |
| ER collet with seal Nominal clamping Ø d 9 mm                                      | 308921 9   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 6 mm | 309425 6   |
| 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 HP Nominal clamping Ø d 5 mm   | 309370 5   |
| ER collet Nominal clamping Ø d 1 mm  | 308901 1   |
| ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal                             | 309014     |
| ER collet HP Nominal clamping Ø d 9 mm   | 309370 9   |
| ER collet HP with seal and spray nozzles Nominal clamping<br>Ø d 4 mm              | 309372 4   |
| ER collet Nominal clamping Ø d 4 mm  | 308920 4   |
| ER collet HP with seal Nominal clamping Ø d 6 mm                                   | 309371 6   |
| ER collet Nominal clamping Ø d 7 mm  | 308920 7   |
| ER collet HP Nominal clamping Ø d 10 mm  | 309370 10  |
| ER collet Nominal clamping Ø d 2 mm  | 308901 2   |
| ER collet Nominal clamping Ø d 5 mm  | 308901 5   |

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| ER Mini clamping nut for ER 16                                   | 309650 16 |
| ER collet Nominal clamping Ø d 9 mm                              | 308901 9  |
| ER collet HP Nominal clamping Ø d 4 mm                           | 309370 4  |
| ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm  | 308922 5  |
| ER collet Nominal clamping Ø d 10 mm                             | 308920 10 |
| ER collet with seal Nominal clamping Ø d 4 mm                    | 308921 4  |
| ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm  | 308922 7  |
| ER collet Nominal clamping Ø d 1 mm                              | 308920 1  |
| ER collet HP Nominal clamping Ø d 6 mm                           | 309370 6  |
| ER collet with seal Nominal clamping Ø d 3 mm                    | 308906 3  |
| ER collet Nominal clamping Ø d 9 mm                              | 308920 9  |
| ER collet with seal Nominal clamping Ø d 3 mm                    | 308921 3  |
| ER collet set 10 pieces 1–10 mm                                  | 309012    |
| ER collet Nominal clamping Ø d 10 mm                             | 308901 10 |
| ER collet with seal Nominal clamping Ø d 7 mm                    | 308921 7  |
| ER collet HP with seal Nominal clamping Ø d 7 mm                 | 309371 7  |
| ER collet with seal Nominal clamping Ø d 5 mm                    | 308906 5  |
| ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm  | 308922 8  |
| ER collet set 10 pieces 1–10 mm with seal                        | 309164    |
| ER collet with seal and spray nozzles Nominal clamping Ø d 10 mm | 308922 10 |
| ER collet HP with seal Nominal clamping Ø d 9 mm                 | 309371 9  |
| ER collet HP Nominal clamping Ø d 7 mm                           | 309370 7  |
| ER collet Nominal clamping Ø d 5 mm                              | 308920 5  |
| ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm  | 308922 6  |
| ER collet with seal Nominal clamping Ø d 10 mm                   | 308906 10 |
| ER collet Nominal clamping Ø d 8 mm                              | 308920 8  |

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| ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm                      | 308922 9   |
| ER collet HP with seal Nominal clamping Ø d 3 mm                                     | 309371 3   |
| ER collet with seal Nominal clamping Ø d 6 mm  | 308906 6   |
| ER collet Nominal clamping Ø d 2 mm  | 308920 2   |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm                   | 309372 6   |
| ER collet with seal Nominal clamping Ø d 5 mm  | 308921 5   |
| ER collet HP with seal Nominal clamping Ø d 8 mm                                     | 309371 8   |
| ER collet HP with seal Nominal clamping Ø d 4 mm                                     | 309371 4   |
| ER collet Nominal clamping Ø d 6 mm  | 308920 6   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 3,5 mm | 309425 3,5 |
| ER collet Nominal clamping Ø d 3 mm  | 308920 3   |
| ER collet Nominal clamping Ø d 4 mm  | 308901 4   |
| Wrench for ER Mini nuts for ER collet chuck 16                                       | 309740 16  |
| ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm                      | 308922 3   |
| ER collet set 10 pieces 1–10 mm with seal and spray nozzles                          | 309165     |
| ER collet Nominal clamping Ø d 6 mm  | 308901 6   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 2,8 mm | 309425 2,8 |
| ER collet Nominal clamping Ø d 8 mm  | 308901 8   |
| ER collet HP Nominal clamping Ø d 8 mm   | 309370 8   |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm                   | 309372 8   |
| ER collet with seal Nominal clamping Ø d 10 mm                                       | 308921 10  |
| ER collet HP Nominal clamping Ø d 1 mm   | 309370 1   |
| ER collet HP Nominal clamping Ø d 2 mm   | 309370 2   |
| ER collet with seal Nominal clamping Ø d 6 mm  | 308921 6   |
| ER collet set HP with seal (3; 4; 5; 6; 8; 10mm), 425 E                              | 309391     |

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| ER collet set 10 pieces 1–10 mm  | 309160     |
| ER collet with seal Nominal clamping Ø d 8 mm  | 308921 8   |
| ER collet Nominal clamping Ø d 7 mm  | 308901 7   |
| ER collet with seal Nominal clamping Ø d 8 mm  | 308906 8   |
| ER collet with seal Nominal clamping Ø d 4 mm  | 308906 4   |
| ER collet Nominal clamping Ø d 3 mm  | 308901 3   |
| ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm                      | 308922 4   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 4,5 mm | 309425 4,5 |
| ER collet HP Nominal clamping Ø d 3 mm   | 309370 3   |
| ER collet Nominal clamping Ø d 1,5 mm  | 308901 1,5 |
| ER collet HP with seal Nominal clamping Ø d 5 mm                                     | 309371 5   |