



## Precision ER collet chuck CENTRO P, HSK-A 63 A = 100, Type CP for ER: 16C



### Order data

|              |               |
|--------------|---------------|
| Order number | 305920 16C    |
| GTIN         | 2050001703439 |
| Item class   | 33F           |

### Description

#### Version:

- **Ground externally and internally. With Balluffchip bore.**
- **Run-out and repetition accuracy 3 µm at 3×D, maximum 50 mm.**
- **Very high clamping forces due to the collet fully seated in the chuck and coated clamping nut.**
- **Vibration damping due to the element collet and mass of the chuck.**
- **Alternatively without seals, with ER clamping nut CP No. 309655 or sealed system with ER clamping nut CP for HP sealing rings No. 309665 in conjunction with HP sealing rings No.309666 – 309668 (for internal coolant supply or as a dirt trap!).**

#### Advantage:

Patented optimum seating of the collet, double guides, trapezoidal thread and low-friction coated clamping nut amalgamate when clamped into a sturdy unit, thus ensuring a very high degree of rigidity and precision.

#### Application:

For high precision clamping of tools with plain shanks.

#### Supplied with:

**Without clamping nut** and sealing rings.

#### Optional extras:

Precision ER collets for HP No. 309368 – 309381, and for taps No. 309402; 309419 (not Horex). ER clamping nuts CP No. 309655; 309665. HP sealing rings No. 309666 – 309668. CP roller bearing wrenches No. 309754; 309756.

#### Note:

- **CP chuck clamps only nominal Ø up to shank Ø tolerance h10.**
- **Use in combination with Fahrion collets.**

Machining strategy: HSC

Shape: A  
Clamping range: 1 - 10 mm  
External Ø D: 24 mm

## Technical description

|  |                     |
|--|---------------------|
| Type CP for ER                               | 16C                 |
| Clamping range                               | 1 - 10 mm           |
| External Ø D                                 | 24 mm               |
| Shape  | A                   |
| Series                                       | Centro P            |
| Adapter                                      | HSK-A 63 A = 100    |
| Arbor standard                               | DIN 69893           |
| Arbor standard                               | ISO 12164-1         |
| Balance quality G at rotational speed        | G 2.5 at 25,000 rpm |
| Concentricity ER collet with CP collet chuck | ≤ 6 µm              |
| Concentricity HP collet with CP collet chuck | ≤ 3 µm              |
| Machining strategy                           | HSC                 |
| Type of product                              | Collet chuck        |

## Accessories

|  |           |
|--|-----------|
| ER collet HP Nominal clamping Ø d 9 mm                             | 309370 9  |
| ER collet HP with seal Nominal clamping Ø d 5 mm                   | 309371 5  |
| ER collet HP with seal Nominal clamping Ø d 9 mm                   | 309371 9  |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm | 309372 8  |
| ER collet HP with seal Nominal clamping Ø d 10 mm                  | 309371 10 |
| ER collet for machine taps with seal Nominal clamping Ø d 9 mm     | 309402 9  |
| ER collet set HP with seal (3; 4; 5; 6; 8; 10mm), 425 E            | 309391    |

|  |            |
|--|------------|
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm                     | 309402 8   |
| ER collet HP Nominal clamping Ø d 3 mm   | 309370 3   |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm                 | 309372 6   |
| ER collet HP with seal Nominal clamping Ø d 8 mm                                   | 309371 8   |
| ER collet HP Nominal clamping Ø d 7 mm   | 309370 7   |
| ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm                   | 309402 2,8 |
| ER collet HP Nominal clamping Ø d 10 mm  | 309370 10  |
| ER collet for machine taps with seal Nominal clamping Ø d 7 mm                     | 309402 7   |
| 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 5 mm   | 309370 5   |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm                     | 309402 6   |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm   | 309404 7   |
| Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 2 mm     | 309666 2   |
| ER collet HP Nominal clamping Ø d 4 mm   | 309370 4   |
| ER collet HP with seal Nominal clamping Ø d 3 mm                                   | 309371 3   |
| 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 and spray nozzles Nominal clamping Ø d 4,5 mm | 309404 4,5 |
| ER collet HP with seal Nominal clamping Ø d 4 mm                                   | 309371 4   |
| ER collet HP Nominal clamping Ø d 2 mm   | 309370 2   |
| ER collet HP with seal Nominal clamping Ø d 7 mm                                   | 309371 7   |
| ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm                   | 309402 3,5 |
| ER collet set HP (3; 4; 5; 6; 8; 10mm), 426 E                                      | 309390     |

|  |            |
|--|------------|
| Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 1 mm     | 309666 1   |
| ER collet HP with seal Nominal clamping Ø d 6 mm                                   | 309371 6   |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm                   | 309402 4,5 |
| ER collet HP Nominal clamping Ø d 1 mm   | 309370 1   |
| ER collet HP Nominal clamping Ø d 8 mm   | 309370 8   |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm | 309404 3,5 |
| ER collet for machine taps with seal Nominal clamping Ø d 4 mm                     | 309402 4   |
| ER collet HP Nominal clamping Ø d 6 mm   | 309370 6   |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm                 | 309372 4   |