



Precision ER collet chuck CENTRO P, HSK-E 25 A = 45, Type CP for ER: 16M



Order data

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| Order number | 308423 16M |
| GTIN | 2050001705785 |
| 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 shank.

Supplied with:

Without clamping nut, without 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: 22 mm

Technical description

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| Type CP for ER | 16M |
| Clamping range | 1 - 10 mm |
| External Ø D | 22 mm |
| Shape | A |
| Series | Centro P |
| Adapter | HSK-E 25 A = 45 |
| 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

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| ER collet set HP (3; 4; 5; 6; 8; 10mm), 426 E | 309390 |
| ER collet HP Nominal clamping Ø d 6 mm | 309370 6 |
| 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 3,5 mm | 309402 3,5 |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm | 309402 4,5 |
| ER collet HP Nominal clamping Ø d 2 mm | 309370 2 |
| ER collet HP Nominal clamping Ø d 8 mm | 309370 8 |

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| ER collet HP with seal Nominal clamping Ø d 7 mm | 309371 7 |
| ER clamping nut CENTRO P for HP sealing rings Type CP for ER 16DI | 309665 16DI |
| ER collet HP Nominal clamping Ø d 4 mm | 309370 4 |
| ER collet HP with seal Nominal clamping Ø d 8 mm | 309371 8 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm | 309372 6 |
| CP roller bearing wrench Type 16MS | 309754 16MS |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm | 309404 4,5 |
| 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 3,5 mm | 309404 3,5 |
| ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm | 309402 2,8 |
| ER collet HP Nominal clamping Ø d 7 mm | 309370 7 |
| ER collet HP Nominal clamping Ø d 1 mm | 309370 1 |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm | 309402 6 |
| ER collet HP with seal Nominal clamping Ø d 5 mm | 309371 5 |
| ER collet HP with seal Nominal clamping Ø d 4 mm | 309371 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 Nominal clamping Ø d 9 mm | 309402 9 |
| ER collet HP Nominal clamping Ø d 5 mm | 309370 5 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm | 309404 7 |
| ER collet HP with seal Nominal clamping Ø d 6 mm | 309371 6 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm | 309372 8 |

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| CP roller bearing wrench for torque wrenches Type 16 | 309756 16 |
| ER collet HP with seal Nominal clamping Ø d 9 mm | 309371 9 |
| ER collet HP Nominal clamping Ø d 9 mm | 309370 9 |
| ER collet for machine taps with seal Nominal clamping Ø d 4 mm | 309402 4 |
| 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 3 mm | 309370 3 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm | 309404 6 |
| Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 1 mm | 309666 1 |
| ER collet HP Nominal clamping Ø d 10 mm | 309370 10 |
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm | 309402 8 |
| ER clamping nut CENTRO P Standard Type CP for ER 16MS | 309655 16MS |
| ER collet HP with seal Nominal clamping Ø d 10 mm | 309371 10 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm | 309372 4 |