



Precision ER collet chuck CENTRO P, SK 40 A = 160, Type CP for ER: 16



Order data

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| Order number | 300689 16 |
| GTIN | 2050001703293 |
| Item class | 33F |

Description

Version:

- **External and internal tapers ground. With Balluffchip- bore.**
- **Radial run-out and repetition accuracy 3µm 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 CP clamping nut 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:

Pull-studs (PS) No. 308600 – 308806, PS pull stud wrenches No. 308820; 308835, precision ER collets for HP No. 309368 – 309378, and for taps No. 309402 – 309418 (not for Horex), ER CP clamping nuts 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: ADB
Clamping range: 1 - 10 mm
External Ø D: 30 mm

Technical description

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| Type CP for ER | 16 |
| Clamping range | 1 - 10 mm |
| External Ø D | 30 mm |
| Shape | ADB |
| Series | Centro P |
| Adapter | SK 40 A = 160 |
| Arbor standard | ISO 7388-1 |
| 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 for machine taps with seal Nominal clamping Ø d 3,5 mm | 309402 3,5 |
| Special pull stud with no internal thread sealed suitable for steep tapers 40 | 308700 40 |
| ER collet HP with seal Nominal clamping Ø d 7 mm | 309371 7 |
| Pull stud Hurco 90° with fit sealed suitable for steep tapers 40 | 308806 40 |
| Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40 | 308812 40 |
| ER collet HP with seal Nominal clamping Ø d 8 mm | 309371 8 |
| | 308802 40 |

Pull stud Hurco 45° with fit sealed suitable for steep tapers 40

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| ER collet HP with seal Nominal clamping Ø d 10 mm | 309371 10 |
| ER clamping nut CENTRO P Standard Type CP for ER 40 | 309655 40 |
| Pull stud 90° sealed suitable for steep tapers 40 | 308790 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm | 309402 6 |
| Pull stud Form B suitable for steep tapers 40 | 308640 40 |
| Pull stud 60° sealed suitable for steep tapers 40 | 308785 40 |
| ER collet HP Nominal clamping Ø d 2 mm | 309370 2 |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm | 309402 4,5 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm | 309404 3,5 |
| Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40 | 308801 40 |
| Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40 | 308615 40 |
| Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40 | 308810 40 |
| Special pull stud with internal thread suitable for steep tapers 40 | 308740 40 |
| ER collet HP Nominal clamping Ø d 1 mm | 309370 1 |
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm | 309402 8 |
| ER collet HP Nominal clamping Ø d 7 mm | 309370 7 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308650 40 |
| CP roller bearing wrench for torque wrenches Type 16 | 309756 16 |
| Pull stud sealed suitable for steep tapers 40 | 308635 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 4 mm | 309402 4 |
| ER collet HP with seal Nominal clamping Ø d 5 mm | 309371 5 |
| ER collet HP with seal Nominal clamping Ø d 6 mm | 309371 6 |

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| 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 6 mm | 309404 6 |
| ER collet HP Nominal clamping Ø d 3 mm | 309370 3 |
| Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40 | 308605 40 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm | 309404 8 |
| Pull stud Form A suitable for steep tapers 40 | 308600 40 |
| ER collet HP Nominal clamping Ø d 9 mm | 309370 9 |
| 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 and spray nozzles Nominal clamping Ø d 7 mm | 309404 7 |
| ER collet HP Nominal clamping Ø d 8 mm | 309370 8 |
| Wrench for pull studs ISO 7388 suitable for ISO taper size 40 | 308830 40 |
| CP roller bearing wrench Type 16 | 309754 16 |
| ER collet for machine taps with seal Nominal clamping Ø d 9 mm | 309402 9 |
| Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40 | 308820 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 7 mm | 309402 7 |
| ER collet HP with seal Nominal clamping Ø d 3 mm | 309371 3 |
| Pull stud Mazak, form A suitable for steep tapers 40M | 308670 40M |
| Special pull stud with no internal thread sealed suitable for steep tapers 40 | 308720 40 |
| Pull stud 45° sealed suitable for steep tapers 40 | 308760 40 |
| Pull stud stud sealed, form A suitable for steep tapers 40 | 308610 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm | 309402 2,8 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308620 40 |
| ER collet HP Nominal clamping Ø d 6 mm | 309370 6 |

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| Pull stud sealed suitable for steep tapers 40 | 308660 40 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 | 308625 40 |
| Pull stud 90° sealed suitable for steep tapers 40 | 308795 40 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 | 308630 40 |
| ER collet HP Nominal clamping Ø d 4 mm | 309370 4 |
| ER collet HP Nominal clamping Ø d 10 mm | 309370 10 |
| ER collet HP with seal Nominal clamping Ø d 9 mm | 309371 9 |
| ER collet HP with seal Nominal clamping Ø d 4 mm | 309371 4 |
| Pull stud 45° sealed suitable for steep tapers 40 | 308765 40 |