



Precision ER collet chuck CENTRO P, SK 40 short, Type CP for ER: 25



Order data

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| Order number | 300686 25 |
| GTIN | 2050001703170 |
| Item class | 33F |

Description

Version:

- Taper ground internally and externally with RFID/Balluffchip bore.
- Concentricity and repetition accuracy 3 µm at 3×D, maximum 50 mm when using a HP precision collet.
- HDC = Heavy Duty Chuck, a mount specially designed for rough machining. A reinforced chuck body ensures better stability and plenty of radial stiffness. Taper ground internally and externally. Ball-bearing clamping nut with trapezoidal-shaped fine thread for optimum tightening torques and clamping forces, reduces vibrations that occur.
- 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 for CENTRO P -> 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. HDC especially well-suited for roughing (including TPC milling) and finishing operations and machining of high-tensile or tough materials.

Supplied with:

Without clamping nut.

Optional extras:

Pull studs (PS) No. 308600 – 308806, PS wrenches No. 308820 – 308835, precision ER collets for HP No. 309368 - 309381 and for taps No. 309402 – 309419 (not for Horex). ER clamping nuts CP No. 309655; 309665, ER clamping nut HDC No. 309657, HP sealing rings No. 309666 – 309668, CP roller bearing wrench No. 309754; 309756, HDC roller bearing wrench No. 309745; 309756.

Note:

- **Clamps only nominal \varnothing up to shank \varnothing tolerance h10.**
- **Use in combination with Fahrion collets.**

Machining strategy: HSC

Shape: ADB

Clamping range: 2 - 16 mm

Overhang dimension A: 45 mm

External \varnothing D: 40 mm

Technical description

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| Type CP for ER | 25 |
| Overhang dimension A | 45 mm |
| Clamping range | 2 - 16 mm |
| External \varnothing D | 40 mm |
| Shape | ADB |
| Series | Centro P |
| Clamping \varnothing D ₁ | 1-16 mm |
| Adapter | SK 40 short |
| 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 | $\leq 6 \mu\text{m}$ |
| Concentricity HP collet with CP collet chuck | $\leq 3 \mu\text{m}$ |
| Machining strategy | HSC |
| Type of product | Collet chuck |

Accessories

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| ER collet HP with seal Nominal clamping \varnothing d 9 mm | 309374 9 |
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| Pull stud 45° sealed suitable for steep tapers 40 | 308760 40 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm | 309413 6 |
| Wrench for pull studs ISO 7388 suitable for ISO taper size 40 | 308830 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 7 mm | 309409 7 |
| Pull stud sealed suitable for steep tapers 40 | 308660 40 |
| ER collet HP with seal Nominal clamping Ø d 10 mm | 309374 10 |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm | 309409 6 |
| ER collet HP with seal Nominal clamping Ø d 13 mm | 309374 13 |
| ER collet HP with seal Nominal clamping Ø d 5 mm | 309374 5 |
| Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40 | 308605 40 |
| Special pull stud with no internal thread sealed suitable for steep tapers 40 | 308700 40 |
| Pull stud 60° sealed suitable for steep tapers 40 | 308785 40 |
| ER collet HP Nominal clamping Ø d 4 mm | 309373 4 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm | 309375 8 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 10 mm | 309375 10 |
| ER collet HP Nominal clamping Ø d 12 mm | 309373 12 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm | 309413 4,5 |
| Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40 | 308801 40 |
| ER collet HP Nominal clamping Ø d 10 mm | 309373 10 |
| Pull stud Form A suitable for steep tapers 40 | 308600 40 |
| ER collet HP with seal Nominal clamping Ø d 3 mm | 309374 3 |
| ER clamping nut CENTRO P Standard Type CP for ER 40 | 309655 40 |
| Pull stud sealed suitable for steep tapers 40 | 308635 40 |

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| ER collet HP with seal Nominal clamping Ø d 14 mm | 309374 14 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm | 309413 10 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm | 309375 4 |
| Pull stud Hurco 90° with fit sealed suitable for steep tapers 40 | 308806 40 |
| Special pull stud with no internal thread sealed suitable for steep tapers 40 | 308720 40 |
| Pull stud 90° sealed suitable for steep tapers 40 | 308790 40 |
| Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40 | 308810 40 |
| ER collet HP Nominal clamping Ø d 15 mm | 309373 15 |
| ER collet for machine taps with seal Nominal clamping Ø d 10 mm | 309409 10 |
| Pull stud 45° sealed suitable for steep tapers 40 | 308765 40 |
| ER collet HP Nominal clamping Ø d 13 mm | 309373 13 |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm | 309409 4,5 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 14 mm | 309375 14 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm | 309413 7 |
| ER collet for machine taps with seal Nominal clamping Ø d 11 mm | 309409 11 |
| CP roller bearing wrench Type 25 | 309754 25 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 | 308625 40 |
| ER collet HP with seal Nominal clamping Ø d 11 mm | 309374 11 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm | 309413 11 |
| ER collet HP with seal Nominal clamping Ø d 6 mm | 309374 6 |
| ER collet for machine taps with seal Nominal clamping Ø d 12 mm | 309409 12 |

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| ER collet HP Nominal clamping Ø d 8 mm | 309373 8 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm | 309413 12 |
| 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 16 mm | 309374 16 |
| ER collet HP Nominal clamping Ø d 3 mm | 309373 3 |
| ER collet HP Nominal clamping Ø d 14 mm | 309373 14 |
| ER collet HP with seal Nominal clamping Ø d 15 mm | 309374 15 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308620 40 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm | 309375 6 |
| ER collet HP Nominal clamping Ø d 7 mm | 309373 7 |
| ER collet HP Nominal clamping Ø d 11 mm | 309373 11 |
| ER collet HP with seal Nominal clamping Ø d 8 mm | 309374 8 |
| ER collet HP Nominal clamping Ø d 5 mm | 309373 5 |
| Pull stud Hurco 45° with fit sealed suitable for steep tapers 40 | 308802 40 |
| ER collet HP Nominal clamping Ø d 9 mm | 309373 9 |
| Pull stud Form B suitable for steep tapers 40 | 308640 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 16 mm | 309409 16 |
| ER collet HP with seal Nominal clamping Ø d 7 mm | 309374 7 |
| Pull stud sealed, form A suitable for steep tapers 40 | 308610 40 |
| Special pull stud with internal thread suitable for steep tapers 40 | 308740 40 |
| ER collet HP with seal and spray nozzles Nominal clamping Ø d 12 mm | 309375 12 |
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm | 309409 8 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308650 40 |
| | 308615 40 |

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40

Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40

308820 40

ER collet HP Nominal clamping Ø d 16 mm

309373 16

ER collet for machine taps with seal Nominal clamping Ø d 14 mm

309409 14

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm

309413 8

CP roller bearing wrench for torque wrenches Type 25

309756 25

Pull stud Mazak, form A suitable for steep tapers 40M

308670 40M

ER collet HP with seal Nominal clamping Ø d 12 mm

309374 12

ER collet for machine taps with seal Nominal clamping Ø d 9 mm

309409 9

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 for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm

309413 14

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm

309413 9

ER collet HP with seal Nominal clamping Ø d 4 mm

309374 4

ER collet HP Nominal clamping Ø d 6 mm

309373 6

ER collet HP Nominal clamping Ø d 2 mm

309373 2