



## Precision ER collet chuck CENTRO P, SK 40 A = 70, Type CP for ER: 25



### Order data

Order number	300687 25
GTIN	2050001703200
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: 70 mm

External  $\varnothing$  D: 40 mm

## Technical description

Type CP for ER	25
Clamping range	2 - 16 mm
Overhang dimension A	70 mm
External $\varnothing$ D	40 mm
Shape	ADB
Series	Centro P
Clamping $\varnothing$ D <sub>1</sub>	1-16 mm
Adapter	SK 40 A = 70
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

ER collet HP Nominal clamping $\varnothing$ d 7 mm	309373 7
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ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309409 12
ER collet HP Nominal clamping Ø d 3 mm	309373 3
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309413 12
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm	309375 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309409 7
ER collet HP Nominal clamping Ø d 11 mm	309373 11
ER collet HP Nominal clamping Ø d 16 mm	309373 16
Pull stud Form B suitable for steep tapers 40	308640 40
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 11 mm	309413 11
ER collet HP with seal Nominal clamping Ø d 14 mm	309374 14
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309409 11
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet HP with seal Nominal clamping Ø d 16 mm	309374 16
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet HP with seal Nominal clamping Ø d 12 mm	309374 12
Pull stud 60° sealed suitable for steep tapers 40	308785 40
Pull stud sealed, form A suitable for steep tapers 40	308610 40
Pull stud Form A suitable for steep tapers 40	308600 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309413 14

ER collet HP Nominal clamping Ø d 9 mm	309373 9
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309413 9
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet HP with seal Nominal clamping Ø d 3 mm	309374 3
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309413 8
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet HP with seal Nominal clamping Ø d 6 mm	309374 6
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet HP with seal Nominal clamping Ø d 9 mm	309374 9
ER collet HP with seal Nominal clamping Ø d 4 mm	309374 4
ER collet HP Nominal clamping Ø d 13 mm	309373 13
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309375 4
ER collet HP with seal Nominal clamping Ø d 11 mm	309374 11
ER collet HP Nominal clamping Ø d 15 mm	309373 15
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
CP roller bearing wrench for torque wrenches Type 25	309756 25
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
	308740 40

Special pull stud with internal thread suitable for steep tapers 40

ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet HP Nominal clamping Ø d 2 mm	309373 2
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309413 7
ER collet HP with seal Nominal clamping Ø d 10 mm	309374 10
ER collet HP Nominal clamping Ø d 6 mm	309373 6
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309409 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309413 4,5
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 12 mm	309375 12
ER collet HP Nominal clamping Ø d 5 mm	309373 5
Pull stud 90° sealed suitable for steep tapers 40	308795 40
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 10 mm	309413 10
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet HP Nominal clamping Ø d 8 mm	309373 8
ER clamping nut CENTRO P Standard Type CP for ER 40	309655 40
CP roller bearing wrench Type 25	309754 25
ER collet HP Nominal clamping Ø d 14 mm	309373 14
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ER collet HP with seal Nominal clamping Ø d 15 mm	309374 15

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 10 mm	309373 10
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 with seal and spray nozzles Nominal clamping Ø d 14 mm	309375 14
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309409 9
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 4 mm	309373 4
ER collet HP with seal Nominal clamping Ø d 7 mm	309374 7
ER collet HP with seal Nominal clamping Ø d 13 mm	309374 13
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309409 8
ER collet HP with seal Nominal clamping Ø d 8 mm	309374 8
ER collet HP with seal Nominal clamping Ø d 5 mm	309374 5