



## Precision ER collet chuck CENTRO P, SK 40 A = 100, Type CP for ER: 11M



### Order data

Order number	300688 11M
GTIN	2050001703224
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.**

## Technical description

Overhang dimension A	100 mm
Clamping range	1 - 7 mm
Type CP for ER	11M
External $\varnothing$ D	16 mm
Shape	ADB
Series	Centro P
Clamping $\varnothing$ D <sub>1</sub>	1-7 mm
Adapter	SK 40 A = 100
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

Pull studsealed, form A suitable for steep tapers 40	308610 40
ER clamping nut CENTRO PStandard Type CP for ER 40	309655 40
Pull studsealed suitable for steep tapers 40	308660 40
Pull stud 45°sealed suitable for steep tapers 40	308760 40
ER collet HP Nominal clamping $\varnothing$ d 5 mm	309368 5

Special pull stud with no internal threadsealed suitable for steep tapers 40	308720 40
Pull studsealed, form B suitable for steep tapers 40	308650 40
Pull stud Hurco 90° with fitsealed suitable for steep tapers 40	308806 40
Wrench for pull studsDIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
CP roller bearing wrench for torque wrenches Type 11M	309756 11M
Pull studMori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet HP Nominal clamping Ø d 1 mm	309368 1
Pull studForm A suitable for steep tapers 40	308600 40
CP roller bearing wrench Type 11M	309754 11M
Special pull stud with no internal threadsealed suitable for steep tapers 40	308700 40
Pull studForm B suitable for steep tapers 40	308640 40
ER collet HP Nominal clamping Ø d 6 mm	309368 6
Pull studsealed, form B suitable for steep tapers 40	308620 40
ER collet HP Nominal clamping Ø d 4 mm	309368 4
ER collet HP Nominal clamping Ø d 3 mm	309368 3
Wrench for pull studsISO 7388 suitable for ISO taper size 40	308830 40
Pull stud, 18CrNiMo7sealed, form B suitable for steep tapers 40	308615 40
Pull studsealed suitable for steep tapers 40	308635 40
ER collet HPwith seal Nominal clamping Ø d 4 mm	309369 4
Pull stud 45°sealed suitable for steep tapers 40	308765 40
ER collet HPwith seal Nominal clamping Ø d 6 mm	309369 6
Pull stud Hurco 45° with fitsealed suitable for steep tapers 40	308802 40
Pull stud 90°sealed suitable for steep tapers 40	308795 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40

Pull stud 60°sealed suitable for steep tapers 40	308785 40
ER collet HP Nominal clamping Ø d 2 mm	309368 2
ER collet HPwith seal Nominal clamping Ø d 5 mm	309369 5
ER collet HP Nominal clamping Ø d 7 mm	309368 7
ER collet HPwith seal Nominal clamping Ø d 3 mm	309369 3
Pull studMori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull studMazak, form A suitable for steep tapers 40M	308670 40M
Pull stud 90°sealed suitable for steep tapers 40	308790 40
Hurco 45° pull stud with 4-mm bore and fitsealed suitable for steep tapers 40	308801 40
Pull stud, 18CrNiMo7Form A suitable for steep tapers 40	308605 40
ER collet for machine taps Nominal clamping Ø d 4 mm	309399 4
ER collet for machine taps Nominal clamping Ø d 6 mm	309399 6
ER collet for machine taps Nominal clamping Ø d 3,5 mm	309399 3,5
ER collet for machine taps Nominal clamping Ø d 4,5 mm	309399 4,5
ER collet for machine taps Nominal clamping Ø d 2,5 mm	309399 2,5
ER collet for machine taps Nominal clamping Ø d 2,8 mm	309399 2,8