



## Precision ER collet chuck CENTRO P, BT 40, Type CP for ER: 16AD



### Order data

Order number	302886 16AD
GTIN	2050001922007
Item class	33F

### Description

#### Version:

- Taper ground internally and externally.
- Radial run-out and repetition accuracy  $3\mu\text{m}$  at  $3 \times D$ , 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 shanks.

#### Supplied with:

**Without clamping nut**, without sealing rings.

#### Optional extras:

Pull-studs (PS) No. 308760 – 308806, PS 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  $\varnothing$  up to shank  $\varnothing$  tolerance h10.**
- **Use in combination with Fahrion collets.**

Machining strategy: HSC

Shape: AD  
 Concentricity ER collet with HDC collet chuck:  $\leq 6 \mu\text{m}$   
 Concentricity HP collet with HDC collet chuck:  $\leq 3 \mu\text{m}$   
 Clamping range: 1 - 10 mm  
 Overhang dimension A: 90 mm  
 External  $\varnothing$  D: 30 mm

## Technical description

Clamping range	1 - 10 mm
Overhang dimension A	90 mm
External $\varnothing$ D	30 mm
Shape	AD
Type CP for ER	16AD
Series	Centro P
Concentricity HP collet with HDC collet chuck	$\leq 3 \mu\text{m}$
Concentricity ER collet with HDC collet chuck	$\leq 6 \mu\text{m}$
Adapter	BT 40
Arbor standard	ISO 7388-2
Arbor standard	JIS B6339
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 with seal Nominal clamping $\varnothing$ d 9 mm	309371 9
ER collet HP Nominal clamping $\varnothing$ d 8 mm	309370 8
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 8 mm	309402 8

ER collet HP with seal Nominal clamping Ø d 4 mm	309371 4
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet HP Nominal clamping Ø d 2 mm	309370 2
Pull stud Form B suitable for steep tapers 40	308640 40
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 for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
Pull stud 90° sealed suitable for steep tapers 40	308790 40
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 5 mm	309370 5
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
Pull stud Form A suitable for steep tapers 40	308600 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet HP Nominal clamping Ø d 1 mm	309370 1
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 8 mm	309372 8
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
CP roller bearing wrench for torque wrenches Type 16	309756 16
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4

ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309402 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
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet HP Nominal clamping Ø d 6 mm	309370 6
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet HP Nominal clamping Ø d 7 mm	309370 7
CP roller bearing wrench Type 16	309754 16
ER collet HP with seal Nominal clamping Ø d 5 mm	309371 5
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309402 6
ER collet set HP (3; 4; 5; 6; 8; 10mm), 426 E	309390
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm	309404 3,5
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 3,5 mm	309402 3,5
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet HP with seal Nominal clamping Ø d 3 mm	309371 3
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309372 4
Pull stud sealed, form A suitable for steep tapers 40	308610 40
ER collet HP with seal Nominal clamping Ø d 10 mm	309371 10

Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet HP Nominal clamping Ø d 3 mm	309370 3
ER collet HP with seal Nominal clamping Ø d 7 mm	309371 7
ER collet HP Nominal clamping Ø d 9 mm	309370 9
ER collet set HP with seal (3; 4; 5; 6; 8; 10mm), 425 E	309391
Pull stud sealed suitable for steep tapers 40	308635 40
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet HP Nominal clamping Ø d 10 mm	309370 10
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 1 mm	309666 1
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm	309372 6
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER collet HP Nominal clamping Ø d 4 mm	309370 4
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8