



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



Order data

Order number	302888 16C
GTIN	2050001701664
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: ADB

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

External \varnothing D: 24 mm

Technical description

Clamping range	1 - 10 mm
Type CP for ER	16C
External \varnothing D	24 mm
Shape	ADB
Series	Centro P
Concentricity ER collet with HDC collet chuck	$\leq 6 \mu\text{m}$
Concentricity HP collet with HDC collet chuck	$\leq 3 \mu\text{m}$
Adapter	BT 40 A = 160
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 for machine taps with seal Nominal clamping \varnothing d 2,8 mm	309402 2,8
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309402 9
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 4,5 mm	309404 4,5

Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet HP Nominal clamping Ø d 2 mm	309370 2
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm	309404 3,5
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8
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 3,5 mm	309402 3,5
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ER collet HP with seal Nominal clamping Ø d 8 mm	309371 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
Pull stud Form A suitable for steep tapers 40	308600 40
Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 1 mm	309666 1
ER collet HP with seal Nominal clamping Ø d 3 mm	309371 3
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ER collet HP Nominal clamping Ø d 5 mm	309370 5
Pull stud 60° sealed suitable for steep tapers 40	308785 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40

ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm	309372 8
ER collet set HP with seal (3; 4; 5; 6; 8; 10mm), 425 E	309391
ER collet HP with seal Nominal clamping Ø d 7 mm	309371 7
ER collet HP Nominal clamping Ø d 6 mm	309370 6
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet HP with seal Nominal clamping Ø d 9 mm	309371 9
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud sealed, form A suitable for steep tapers 40	308610 40
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet HP Nominal clamping Ø d 4 mm	309370 4
ER collet HP with seal Nominal clamping Ø d 5 mm	309371 5
ER collet HP with seal Nominal clamping Ø d 10 mm	309371 10
ER collet HP Nominal clamping Ø d 8 mm	309370 8
ER collet HP with seal Nominal clamping Ø d 4 mm	309371 4
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
ER collet HP Nominal clamping Ø d 9 mm	309370 9
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Pull stud Form B suitable for steep tapers 40	308640 40
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40

Sealing ring HP for ER clamping nut CENTRO P Clamping \varnothing (1 mm increments) 2 mm	309666 2
Pull stud sealed, form B suitable for steep tapers 40	308650 40
ER collet HP with seal and spray nozzles Nominal clamping \varnothing d 6 mm	309372 6
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ER collet HP Nominal clamping \varnothing d 3 mm	309370 3
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309402 4,5
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet set HP (3; 4; 5; 6; 8; 10mm), 426 E	309390
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER collet HP with seal and spray nozzles Nominal clamping \varnothing d 4 mm	309372 4
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet HP with seal Nominal clamping \varnothing d 6 mm	309371 6
ER collet HP Nominal clamping \varnothing d 1 mm	309370 1
ER collet HP Nominal clamping \varnothing d 10 mm	309370 10
ER collet HP Nominal clamping \varnothing d 7 mm	309370 7
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 7 mm	309404 7
Pull stud 45° sealed suitable for steep tapers 40	308765 40