



Precision ER collet chuck CENTRO P, BT 40, Type CP for ER: 32AD



Order data

Order number	302886 32AD
GTIN	2050001922021
Item class	33F

Description

Version:

- Taper ground internally and externally with RFID/Balluffchip bore.
- Concentricity and repetition accuracy 3 μm at $3\times D$, 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: 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: 2 - 20 mm

Overhang dimension A: 90 mm

External \varnothing D: 50 mm

Technical description

Shape	AD
External \varnothing D	50 mm
Overhang dimension A	90 mm
Clamping range	2 - 20 mm
Type CP for ER	32AD
Series	Centro P
Concentricity ER collet with HDC collet chuck	$\leq 6 \mu\text{m}$
Concentricity HP collet with HDC collet chuck	$\leq 3 \mu\text{m}$
Clamping \varnothing D ₁	2-20 mm
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 Nominal clamping Ø d 7 mm	309376 7
ER collet HP with seal Nominal clamping Ø d 16 mm	309377 16
ER collet HP with seal Nominal clamping Ø d 5 mm	309377 5
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
Pull stud sealed, form A suitable for steep tapers 40	308610 40
ER collet HP with seal Nominal clamping Ø d 12 mm	309377 12
Pull stud sealed, form B suitable for steep tapers 40	308650 40
ER collet HP Nominal clamping Ø d 19 mm	309376 19
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309418 6
ER collet HP with seal Nominal clamping Ø d 18 mm	309377 18
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER collet HP Nominal clamping Ø d 13 mm	309376 13
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309414 14
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309418 7
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309414 18
ER collet HP with seal Nominal clamping Ø d 19 mm	309377 19
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309378 4
ER collet HP Nominal clamping Ø d 14 mm	309376 14
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309414 8
	309418 10

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 10 mm

ER collet HP Nominal clamping Ø d 17 mm 309376 17

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 14 mm 309418 14

ER collet HP with seal Nominal clamping Ø d 6 mm 309377 6

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 20 mm 309418 20

Pull stud sealed suitable for steep tapers 40 308635 40

ER collet HP with seal and spray nozzles Nominal clamping
Ø d 14 mm 309378 14

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 8 mm 309418 8

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 12 mm 309418 12

ER collet for machine taps with seal Nominal clamping Ø d
12 mm 309414 12

Pull stud Mori-Seiki, sealed, form A suitable for steep tapers
40 308625 40

ER collet HP with seal Nominal clamping Ø d 7 mm 309377 7

ER collet HP Nominal clamping Ø d 15 mm 309376 15

Pull stud Form A suitable for steep tapers 40 308600 40

ER collet set HP with seal (4; 6; 8; 10; 12; 14; 16; 20mm), 469
E 309397

ER collet HP Nominal clamping Ø d 4 mm 309376 4

ER collet set HP (4; 6; 8; 10; 12; 14; 16; 20mm), 470 E 309396

Pull stud, 18CrNiMo7 sealed, form B suitable for steep
tapers 40 308615 40

ER collet for machine taps with seal Nominal clamping Ø d
16 mm 309414 16

Sealing ring HP for ER clamping nut CENTRO P Clamping Ø
(1 mm increments) 2 mm 309668 2

ER collet for machine taps with seal Nominal clamping Ø d
4,5 mm 309414 4,5

ER collet HP with seal and spray nozzles Nominal clamping Ø d 10 mm	309378 10
ER collet HP with seal and spray nozzles Nominal clamping Ø d 20 mm	309378 20
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309414 6
ER collet HP Nominal clamping Ø d 5 mm	309376 5
ER collet HP Nominal clamping Ø d 16 mm	309376 16
ER collet HP Nominal clamping Ø d 6 mm	309376 6
ER collet HP with seal and spray nozzles Nominal clamping Ø d 18 mm	309378 18
ER collet HP Nominal clamping Ø d 9 mm	309376 9
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 and spray nozzles Nominal clamping Ø d 9 mm	309418 9
ER collet HP Nominal clamping Ø d 3 mm	309376 3
CP roller bearing wrench Type 32	309754 32
ER collet HP Nominal clamping Ø d 10 mm	309376 10
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 12 mm	309378 12
ER collet HP Nominal clamping Ø d 2 mm	309376 2
ER collet HP Nominal clamping Ø d 18 mm	309376 18
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm	309418 16
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 20 mm	309376 20
Special pull stud with internal thread suitable for steep tapers 40	308740 40
	309414 11

ER collet for machine taps with seal Nominal clamping Ø d 11 mm

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 16 mm

309378 16

ER collet HP with seal Nominal clamping Ø d 13 mm

309377 13

ER collet for machine taps with seal Nominal clamping Ø d 20 mm

309414 20

ER collet HP Nominal clamping Ø d 11 mm

309376 11

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm

309418 11

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm

309418 4,5

ER collet HP with seal Nominal clamping Ø d 9 mm

309377 9

ER collet HP with seal Nominal clamping Ø d 3 mm

309377 3

ER collet HP with seal Nominal clamping Ø d 10 mm

309377 10

Pull stud sealed, form B suitable for steep tapers 40

308620 40

ER collet HP with seal Nominal clamping Ø d 11 mm

309377 11

Pull stud 90° sealed suitable for steep tapers 40

308790 40

ER collet HP with seal Nominal clamping Ø d 14 mm

309377 14

Pull stud Form B suitable for steep tapers 40

308640 40

ER collet HP with seal Nominal clamping Ø d 4 mm

309377 4

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 18 mm

309418 18

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

309414 9

ER collet HP with seal Nominal clamping Ø d 20 mm

309377 20

ER collet HP Nominal clamping Ø d 8 mm

309376 8

ER collet HP with seal Nominal clamping Ø d 15 mm

309377 15

Pull stud sealed suitable for steep tapers 40	308660 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm	309378 8
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309414 10
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309414 7
ER collet HP with seal Nominal clamping Ø d 17 mm	309377 17
ER collet HP with seal Nominal clamping Ø d 8 mm	309377 8
ER collet HP Nominal clamping Ø d 12 mm	309376 12
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
CP roller bearing wrench for torque wrenches Type 32	309756 32
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 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 6 mm	309378 6