



## Precision ER collet chuck CENTRO P, HSK-A 63 short, Type CP for ER: 32



### Order data

Order number	305910 32
GTIN	2050001703415
Item class	33F

### Description

#### Version:

**Alternatively for CENTRO P– without seals**, with ER clamping nut Centro P 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).

- **Ground externally and internally 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. Ball-bearing clamping nut with trapezoidal-shaped fine thread for optimum tightening torques and clamping forces reduces vibration.**
- **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.**

#### 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.

#### Optional extras:

Coolant pipe No. 309880, socket wrench No. 309890, precision ER collets for HP No. 309368 – 309381, and for taps No. 309402 – 309419 (not for Horex), ER CP clamping nuts No. 309655;

309665, ER HDC clamping nuts No. 309657, HP sealing rings No. 309666 – 309668, CP roller bearing wrenches No. 309754; 309756, HDC roller bearing wrenches No. 309745/309756.

**Note:**

- **Clamps only nominal  $\varnothing$  up to shank  $\varnothing$  tolerance h10.**
- **Use in combination with Fahrion collets.**

Machining strategy: HSC

Shape: A

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: 70 mm

External  $\varnothing$  D: 50 mm

## Technical description

Clamping range	2 - 20 mm
Type CP for ER	32
Overhang dimension A	70 mm
External $\varnothing$ D	50 mm
Shape	A
Series	Centro P
Concentricity HP collet with HDC collet chuck	$\leq 3 \mu\text{m}$
Concentricity ER collet with HDC collet chuck	$\leq 6 \mu\text{m}$
Clamping $\varnothing$ D <sub>1</sub>	2-20 mm
Adapter	HSK-A 63 short
Arbor standard	DIN 69893
Arbor standard	ISO 12164-1
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

Sealing ring HP for ER clamping nut CENTRO P Clamping Ø (1 mm increments) 2 mm	309668 2
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 14 mm	309378 14
ER collet HP with seal Nominal clamping Ø d 16 mm	309377 16
ER collet HP with seal Nominal clamping Ø d 10 mm	309377 10
ER collet HP Nominal clamping Ø d 11 mm	309376 11
ER collet set HP with seal (4; 6; 8; 10; 12; 14; 16; 20mm), 469 E	309397
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 14 mm	309414 14
ER collet HP with seal Nominal clamping Ø d 13 mm	309377 13
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309414 10
ER collet HP Nominal clamping Ø d 5 mm	309376 5
CP roller bearing wrench for torque wrenches Type 32	309756 32
ER collet HP with seal Nominal clamping Ø d 18 mm	309377 18
ER collet HP Nominal clamping Ø d 16 mm	309376 16
ER collet HP with seal Nominal clamping Ø d 17 mm	309377 17
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309414 16
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309414 12
ER collet HP Nominal clamping Ø d 4 mm	309376 4
ER collet HP with seal Nominal clamping Ø d 4 mm	309377 4
ER collet HP Nominal clamping Ø d 9 mm	309376 9
ER collet HP Nominal clamping Ø d 15 mm	309376 15

ER collet HP with seal Nominal clamping Ø d 7 mm	309377 7
ER collet HP Nominal clamping Ø d 2 mm	309376 2
ER collet HP with seal Nominal clamping Ø d 8 mm	309377 8
ER collet HP with seal and spray nozzles Nominal clamping Ø d 12 mm	309378 12
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 12 mm	309418 12
ER collet HP with seal Nominal clamping Ø d 9 mm	309377 9
ER collet HP with seal and spray nozzles Nominal clamping Ø d 20 mm	309378 20
ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm	309378 8
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309414 18
ER collet HP with seal and spray nozzles Nominal clamping Ø d 16 mm	309378 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309418 14
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309414 8
ER collet HP with seal Nominal clamping Ø d 3 mm	309377 3
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm	309418 11
ER collet HP with seal Nominal clamping Ø d 11 mm	309377 11
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309378 4
ER collet HP Nominal clamping Ø d 7 mm	309376 7
ER collet HP Nominal clamping Ø d 12 mm	309376 12
CP roller bearing wrench Type 32	309754 32
ER collet set HP (4; 6; 8; 10; 12; 14; 16; 20mm), 470 E	309396
ER collet HP with seal and spray nozzles Nominal clamping Ø d 18 mm	309378 18

ER collet HP with seal Nominal clamping Ø d 12 mm	309377 12
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309414 6
ER collet HP Nominal clamping Ø d 3 mm	309376 3
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 19 mm	309376 19
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm	309418 16
ER collet HP Nominal clamping Ø d 6 mm	309376 6
ER collet HP Nominal clamping Ø d 20 mm	309376 20
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309418 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309418 7
ER collet HP with seal Nominal clamping Ø d 15 mm	309377 15
ER collet HP with seal Nominal clamping Ø d 20 mm	309377 20
ER collet HP with seal Nominal clamping Ø d 5 mm	309377 5
ER collet HP Nominal clamping Ø d 13 mm	309376 13
ER collet HP Nominal clamping Ø d 14 mm	309376 14
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 20 mm	309418 20
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309414 4,5
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309414 7
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 10 mm	309418 10
ER collet HP with seal Nominal clamping Ø d 19 mm	309377 19
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309418 4,5
	309378 6

ER collet HP with seal and spray nozzles Nominal clamping  
Ø d 6 mm

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 Nominal clamping Ø d  
11 mm

309414 11

ER collet HP with seal Nominal clamping Ø d 6 mm

309377 6

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

309414 9

ER collet HP Nominal clamping Ø d 10 mm

309376 10

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

309414 20

ER collet HP Nominal clamping Ø d 8 mm

309376 8

ER collet HP with seal Nominal clamping Ø d 14 mm

309377 14