



## 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:

- **Ground externally and internally. With Balluffchip bore.**
- **Run-out and repetition accuracy 3 µm at 3×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** and sealing rings.

#### Optional extras:

Precision ER collets for HP No. 309368 – 309381, and for taps No. 309402; 309419 (not Horex). ER clamping nuts CP No. 309655; 309665. HP sealing rings No. 309666 – 309668. CP roller bearing wrenches No. 309754; 309756.

#### Note:

- **CP chuck clamps only nominal Ø up to shank Ø tolerance h10.**
- **Use in combination with Fahrion collets.**

Machining strategy: HSC

Shape: A  
 Clamping range: 2 - 20 mm  
 Overhang dimension A: 70 mm  
 External Ø D: 50 mm

## Technical description

Clamping range	2 - 20 mm
Type CP for ER	32
Overhang dimension A	70 mm
External Ø D	50 mm
Shape	A
Series	Centro P
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	≤ 6 µm
Concentricity HP collet with CP collet chuck	≤ 3 µm
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
ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm	309378 6
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