



## Precision ER collet chuck CENTRO P, HSK-E 50 A = 100, Type CP for ER: 16M



### Order data

Order number	308444 16M
GTIN	2050001705716
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 shank.

#### Supplied with:

**Without clamping nut**, without 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: 1 - 10 mm  
 External Ø D: 22 mm

## Technical description

Clamping range	1 - 10 mm
Type CP for ER	16M
External Ø D	22 mm
Shape	A
Series	Centro P
Adapter	HSK-E 50 A = 100
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

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
ER collet HP with seal and spray nozzles Nominal clamping Ø d 4 mm	309372 4
ER collet HP Nominal clamping Ø d 6 mm	309370 6
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309402 9
ER collet HP with seal Nominal clamping Ø d 3 mm	309371 3
CP sealing ring Clamping Ø (1 mm increments) 2 mm	309666 2

ER collet HP Nominal clamping Ø d 3 mm	309370 3
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm	309404 3,5
ER collet set HP with seal (3; 4; 5; 6; 8; 10mm), 425 E	309391
CP sealing ring Clamping Ø (1 mm increments) 1 mm	309666 1
CP roller bearing wrench for torque wrenches Type 16	309756 16
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
ER collet HP with seal Nominal clamping Ø d 8 mm	309371 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
ER collet HP Nominal clamping Ø d 5 mm	309370 5
ER collet HP Nominal clamping Ø d 1 mm	309370 1
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
ER collet HP with seal and spray nozzles Nominal clamping Ø d 8 mm	309372 8
ER collet HP Nominal clamping Ø d 8 mm	309370 8
ER collet HP Nominal clamping Ø d 9 mm	309370 9
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
ER collet HP with seal Nominal clamping Ø d 6 mm	309371 6
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309402 6
CP roller bearing wrench Type 16	309754 16
ER collet HP with seal Nominal clamping Ø d 5 mm	309371 5
ER collet HP Nominal clamping Ø d 10 mm	309370 10
ER collet HP with seal Nominal clamping Ø d 7 mm	309371 7
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5
ER collet HP with seal Nominal clamping Ø d 9 mm	309371 9
ER collet set HP (3; 4; 5; 6; 8; 10mm), 426 E	309390

ER collet HP with seal Nominal clamping Ø d 10 mm	309371 10
ER collet HP with seal and spray nozzles Nominal clamping Ø d 6 mm	309372 6
ER collet HP with seal Nominal clamping Ø d 4 mm	309371 4
ER collet HP Nominal clamping Ø d 7 mm	309370 7
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet HP Nominal clamping Ø d 4 mm	309370 4
ER collet HP Nominal clamping Ø d 2 mm	309370 2
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8