



## Precision ER collet chuck CENTRO P, HSK-A 63 A = 100, Type CP for ER: 11M



### Order data

Order number	305920 11M
GTIN	2050001703422
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: 1 - 7 mm

Overhang dimension A: 100 mm

External  $\varnothing$  D: 16 mm

## Technical description

Overhang dimension A	100 mm
Type CP for ER	11M
Clamping range	1 - 7 mm
External $\varnothing$ D	16 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	$\leq 6 \mu\text{m}$
Adapter	HSK-A 63 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	$\leq 6 \mu\text{m}$
Concentricity HP collet with CP collet chuck	$\leq 3 \mu\text{m}$
Machining strategy	HSC
Type of product	Collet chuck

## Accessories

ER collet HP with seal Nominal clamping Ø d 6 mm	309369 6
ER collet HP Nominal clamping Ø d 5 mm	309368 5
ER collet HP Nominal clamping Ø d 3 mm	309368 3
CP roller bearing wrench Type 11M	309754 11M
ER collet HP with seal Nominal clamping Ø d 5 mm	309369 5
ER collet HP Nominal clamping Ø d 1 mm	309368 1
CP roller bearing wrench for torque wrenches Type 11M	309756 11M
ER collet HP with seal Nominal clamping Ø d 3 mm	309369 3
ER collet HP Nominal clamping Ø d 2 mm	309368 2
ER collet HP Nominal clamping Ø d 4 mm	309368 4
ER collet HP with seal Nominal clamping Ø d 4 mm	309369 4