



Precision ER collet chuck CENTRO P, HSK-A 63 short, Type CP for ER: 40



Order data

Order number	305910 40
GTIN	2050001766694
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: 3 - 26 mm

Overhang dimension A: 80 mm

External \varnothing D: 63 mm

Technical description

Overhang dimension A	80 mm
Clamping range	3 - 26 mm
Type CP for ER	40
External \varnothing D	63 mm
Shape	A
Series	Centro P
Concentricity ER collet with HDC collet chuck	$\leq 6 \mu\text{m}$
Concentricity HP collet with HDC collet chuck	$\leq 3 \mu\text{m}$
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

ER collet HP Nominal clamping Ø d 6 mm	309379 6
ER collet HP Nominal clamping Ø d 5 mm	309379 5
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309419 16
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309419 6
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309419 11
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309419 9
ER collet HP with seal Nominal clamping Ø d 14 mm	309380 14
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309419 20
ER collet HP with seal Nominal clamping Ø d 25 mm	309380 25
ER collet HP Nominal clamping Ø d 21 mm	309379 21
ER collet HP Nominal clamping Ø d 12 mm	309379 12
ER collet HP Nominal clamping Ø d 18 mm	309379 18
ER collet HP Nominal clamping Ø d 7 mm	309379 7
ER collet HP Nominal clamping Ø d 17 mm	309379 17
ER collet HP Nominal clamping Ø d 9 mm	309379 9
ER collet HP with seal Nominal clamping Ø d 18 mm	309380 18
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309419 18
ER collet HP Nominal clamping Ø d 24 mm	309379 24
ER collet HP Nominal clamping Ø d 19 mm	309379 19
ER collet HP Nominal clamping Ø d 10 mm	309379 10
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309419 7
ER collet HP with seal Nominal clamping Ø d 22 mm	309380 22
ER collet HP with seal and spray nozzles Nominal clamping Ø d 10 mm	309381 10

ER collet HP Nominal clamping Ø d 14 mm	309379 14
ER collet HP Nominal clamping Ø d 23 mm	309379 23
ER collet HP Nominal clamping Ø d 15 mm	309379 15
ER collet HP with seal and spray nozzles Nominal clamping Ø d 25 mm	309381 25
ER collet HP with seal and spray nozzles Nominal clamping Ø d 12 mm	309381 12
ER collet HP with seal Nominal clamping Ø d 10 mm	309380 10
ER collet HP with seal Nominal clamping Ø d 20 mm	309380 20
ER collet HP with seal Nominal clamping Ø d 6 mm	309380 6
ER collet HP with seal Nominal clamping Ø d 8 mm	309380 8
ER collet HP Nominal clamping Ø d 25 mm	309379 25
ER collet for machine taps with seal Nominal clamping Ø d 22 mm	309419 22
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309419 8
ER collet HP Nominal clamping Ø d 4 mm	309379 4
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309419 12
ER collet HP with seal Nominal clamping Ø d 16 mm	309380 16
ER collet HP Nominal clamping Ø d 22 mm	309379 22
ER collet HP Nominal clamping Ø d 11 mm	309379 11
ER collet HP Nominal clamping Ø d 20 mm	309379 20
CP roller bearing wrench for torque wrenches Type 40	309756 40
ER collet HP Nominal clamping Ø d 3 mm	309379 3
ER collet HP Nominal clamping Ø d 13 mm	309379 13
ER collet HP Nominal clamping Ø d 8 mm	309379 8
ER collet HP with seal Nominal clamping Ø d 12 mm	309380 12
ER collet for machine taps with seal Nominal clamping Ø d 25 mm	309419 25
ER collet HP Nominal clamping Ø d 16 mm	309379 16

ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309419 14
ER collet HP Nominal clamping Ø d 26 mm	309379 26
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309419 10
CP roller bearing wrench Type 40	309754 40
ER collet HP with seal and spray nozzles Nominal clamping Ø d 16 mm	309381 16