



Precision ER collet chuck CENTRO P, HSK-A 63 short, Type CP for ER: 25



Order data

Order number	305910 25
GTIN	2050001703408
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.**

Technical description

Clamping range	2 - 16 mm
Overhang dimension A	60 mm
Type CP for ER	25
External \varnothing D	40 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 ₁	1-16 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

ER collet HPwith seal and spray nozzles Nominal clamping \varnothing d 10 mm	309375 10
ER collet for machine tapswith seal Nominal clamping \varnothing d 11 mm	309409 11

ER collet HP Nominal clamping Ø d 6 mm	309373 6
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 14 mm	309375 14
ER collet HP Nominal clamping Ø d 9 mm	309373 9
ER collet HP Nominal clamping Ø d 4 mm	309373 4
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 12 mm	309375 12
ER collet HPwith seal Nominal clamping Ø d 14 mm	309374 14
ER collet HP Nominal clamping Ø d 8 mm	309373 8
CP sealing ring Clamping Ø (1 mm increments) 2 mm	309667 2
ER collet HPwith seal Nominal clamping Ø d 10 mm	309374 10
ER collet HPwith seal Nominal clamping Ø d 8 mm	309374 8
ER collet set HPwith seal (4; 6; 8; 10; 12; 14; 16mm) 429 E	309394
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 12 mm	309413 12
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 14 mm	309413 14
ER collet HPwith seal Nominal clamping Ø d 7 mm	309374 7
ER collet HP Nominal clamping Ø d 12 mm	309373 12
ER collet HPwith seal Nominal clamping Ø d 9 mm	309374 9
ER collet HP Nominal clamping Ø d 7 mm	309373 7
ER collet HP Nominal clamping Ø d 11 mm	309373 11
ER collet for machine tapswith seal Nominal clamping Ø d 16 mm	309409 16
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 8 mm	309375 8
ER collet HPwith seal Nominal clamping Ø d 11 mm	309374 11
ER collet for machine tapswith seal Nominal clamping Ø d 9 mm	309409 9
CP roller bearing wrench Type 25	309754 25

CP roller bearing wrench for torque wrenches Type 25	309756 25
ER collet HPwith seal Nominal clamping Ø d 16 mm	309374 16
ER collet HPwith seal Nominal clamping Ø d 3 mm	309374 3
ER collet HPwith seal Nominal clamping Ø d 15 mm	309374 15
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 9 mm	309413 9
ER collet HPwith seal Nominal clamping Ø d 4 mm	309374 4
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 10 mm	309413 10
ER collet HP Nominal clamping Ø d 16 mm	309373 16
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309409 6
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 11 mm	309413 11
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 6 mm	309375 6
ER collet for machine tapswith seal Nominal clamping Ø d 10 mm	309409 10
ER collet HP Nominal clamping Ø d 13 mm	309373 13
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 8 mm	309413 8
ER collet HPwith seal Nominal clamping Ø d 5 mm	309374 5
ER collet HP Nominal clamping Ø d 3 mm	309373 3
ER collet for machine tapswith seal Nominal clamping Ø d 7 mm	309409 7
ER collet for machine tapswith seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet HP Nominal clamping Ø d 14 mm	309373 14
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 4 mm	309375 4
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 7 mm	309413 7
ER collet HP Nominal clamping Ø d 15 mm	309373 15

ER collet HP Nominal clamping Ø d 2 mm	309373 2
ER collet HP Nominal clamping Ø d 5 mm	309373 5
ER collet HPwith seal Nominal clamping Ø d 12 mm	309374 12
ER collet HP Nominal clamping Ø d 10 mm	309373 10
ER collet for machine tapswith seal Nominal clamping Ø d 12 mm	309409 12
ER collet HPwith seal Nominal clamping Ø d 13 mm	309374 13
ER collet for machine tapswith seal Nominal clamping Ø d 14 mm	309409 14
ER collet for machine tapswith seal Nominal clamping Ø d 8 mm	309409 8
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 4,5 mm	309413 4,5
ER collet set HP(4; 6; 8; 10; 12; 14; 16mm) 430 E	309393
ER collet HPwith seal Nominal clamping Ø d 6 mm	309374 6