



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:

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 - 20 mm
Type CP for ER	32
Overhang dimension A	70 mm
External \varnothing D	50 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	2-20 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

Sealing ring HPfor ER clamping nut CENTRO P Clamping \varnothing (1 mm increments) 2 mm	309668 2
ER collet HPwith seal and spray nozzles Nominal clamping \varnothing d 10 mm	309378 10

ER collet HPwith seal and spray nozzles Nominal clamping Ø d 14 mm	309378 14
ER collet HPwith seal Nominal clamping Ø d 16 mm	309377 16
ER collet HPwith seal Nominal clamping Ø d 10 mm	309377 10
ER collet HP Nominal clamping Ø d 11 mm	309376 11
ER collet set HPwith seal (4; 6; 8; 10; 12; 14; 16; 20mm), 469 E	309397
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 18 mm	309418 18
ER collet for machine tapswith seal Nominal clamping Ø d 14 mm	309414 14
ER collet HPwith seal Nominal clamping Ø d 13 mm	309377 13
ER collet for machine tapswith 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 HPwith seal Nominal clamping Ø d 18 mm	309377 18
ER collet HP Nominal clamping Ø d 16 mm	309376 16
ER collet HPwith seal Nominal clamping Ø d 17 mm	309377 17
ER collet for machine tapswith seal Nominal clamping Ø d 16 mm	309414 16
ER collet for machine tapswith seal Nominal clamping Ø d 12 mm	309414 12
ER collet HP Nominal clamping Ø d 4 mm	309376 4
ER collet HPwith 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 HPwith seal Nominal clamping Ø d 7 mm	309377 7
ER collet HP Nominal clamping Ø d 2 mm	309376 2
ER collet HPwith seal Nominal clamping Ø d 8 mm	309377 8
ER collet HPwith 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 tapswith seal and spray nozzles Nominal clamping Ø d 12 mm	309418 12
ER collet HPwith seal Nominal clamping Ø d 9 mm	309377 9
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 20 mm	309378 20
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 8 mm	309378 8
ER collet for machine tapswith seal Nominal clamping Ø d 18 mm	309414 18
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 16 mm	309378 16
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 14 mm	309418 14
ER collet for machine tapswith seal Nominal clamping Ø d 8 mm	309414 8
ER collet HPwith seal Nominal clamping Ø d 3 mm	309377 3
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 11 mm	309418 11
ER collet HPwith seal Nominal clamping Ø d 11 mm	309377 11
ER collet HPwith 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 HPwith seal and spray nozzles Nominal clamping Ø d 18 mm	309378 18
ER collet HPwith seal Nominal clamping Ø d 12 mm	309377 12
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309414 6
ER collet HP Nominal clamping Ø d 3 mm	309376 3
	309418 9

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 9 mm

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

309414 11

ER collet for machine tapswith seal Nominal clamping \varnothing d
11 mm

ER collet HPwith seal Nominal clamping \varnothing d 6 mm	309377 6
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ER collet for machine tapswith seal Nominal clamping \varnothing d 9 mm	309414 9
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ER collet HP Nominal clamping \varnothing d 10 mm	309376 10
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ER collet for machine tapswith seal Nominal clamping \varnothing d 20 mm	309414 20
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ER collet HP Nominal clamping \varnothing d 8 mm	309376 8
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ER collet HPwith seal Nominal clamping \varnothing d 14 mm	309377 14
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