

Garant

HiRunER precision ER collet chuck, BT 40 A = 70, for ER collet size: 16



Order data

Order number	302843 16
GTIN	4045197771582
Item class	31A

Description

Version:

External and internal tapers are ground. All shanks are hard turned for smooth running. Including RFID / Balluffchip bore, high-performance clamping nut (up to 25000 rpm).

Advantage:

- **Excellent concentricity in the system (chuck + collet + clamping nut), 3µm radial run-out with a 2µm collet, 6µm radial run-out with a 5µm collet.**
- **Extremely strong holding force (up to factor 2 better than the standard ER chuck).**
- **Vibration reduction effect due to 2-part clamping nut.**

Application:

For clamping tools with plain shank in collets to DIN 6499 – Form A and B.

Supplied with:

Precision clamping nut.

Optional extras:

Pull studs (PS) No. 308760 – 308802, PS wrenches No. 308820 – 308835, ER chuck keys No. 309757, 309758 (for 11M and 16M); ER collets Fahrion No. 308901 – 309434. ER collets No. 308901 – 309432, hook spanner 628400 or torque wrench 309749 or 628520.

Note:

- **Clamps only nominal Ø up to shank Ø tolerance h 10.**
- **Do not use the clamping nut in combination with a sealing washer.**
- **Use it in only combination with Fahrion collets.**
- **The blue design ring must be removed for Fahrion HP 2µm ER collets.**

ER chuck key No. 309748; No. 309749: 16

Clamping range: 0.5 - 10 mm

Overhang dimension A: 70 mm

External Ø D: 34 mm

Spare ER clamping nut No. 309617: 16

Technical description

Clamping range	0.5 - 10 mm
Overhang dimension A	70 mm
External Ø D	34 mm
Spare ER clamping nut No. 309617	16
ER chuck key No. 309748; No. 309749	16
Adapter	BT 40 A = 70
Arbor standard	ISO 7388-2
Arbor standard	JIS B6339
Shape	ADB
Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Concentricity	≤ 3 µm
Machining strategy	HPC
Machining strategy	HSC
Balluffchip bore	yes
Type of product	Collet chuck

Accessories

Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ER collet with seal Nominal clamping Ø d 8 mm	308906 8
Hurco 60° pull stud with bore and fit sealed suitable for steep tapers 40	308803 40
ER collet Nominal clamping Ø d 9 mm	308901 9
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40

ER collet with seal Nominal clamping Ø d 9 mm	308906 9
ER collet Nominal clamping Ø d 4 mm	308901 4
Pull-stud 60° sealed suitable for steep tapers 40	308780 40
ER collet Nominal clamping Ø d 8 mm	308901 8
ER collet with seal Nominal clamping Ø d 10 mm	308906 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet Nominal clamping Ø d 10 mm	308901 10
Pull stud sealed, form B suitable for steep tapers 40	308650 40
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet set 10 pieces 1–10 mm	309012
Pull stud sealed, form A suitable for steep tapers 40	308610 40
Pull stud Hurco 90° with bore and fit sealed suitable for steep tapers 40	308805 40
Pull stud Hurco 60° with fit sealed suitable for steep tapers 40	308804 40
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet Nominal clamping Ø d 3 mm	308901 3
	308820 40

Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872)
suitable for ISO taper size 40

Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet with seal Nominal clamping \varnothing d 4 mm	308906 4
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull stud Form A suitable for steep tapers 40	308600 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet Nominal clamping \varnothing d 6 mm	308901 6
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 3,5 mm	309425 3,5
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet with seal Nominal clamping \varnothing d 3 mm	308906 3
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 6 mm	309425 6
ER collet Nominal clamping \varnothing d 7 mm	308901 7
Pull stud sealed, form B suitable for steep tapers 40	308620 40
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet with seal Nominal clamping \varnothing d 5 mm	308906 5
ER collet Nominal clamping \varnothing d 5 mm	308901 5
Pull stud sealed suitable for steep tapers 40	308660 40
Pull stud Form B suitable for steep tapers 40	308640 40
Pull stud 90° sealed suitable for steep tapers 40	308790 40

Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
ER collet Nominal clamping \varnothing d 1 mm	308901 1
HiRunER clamping wrench Type 16	309748 16
HiRunER clamping wrench for torque wrench Type 16	309749 16