

Garant

HiRunER precision ER collet chuck, BT 40 A = 70, for ER collet size: 25



Order data

Order number	302843 25
GTIN	4045197771599
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: 25

Clamping range: 1 - 16 mm

Overhang dimension A: 70 mm

External Ø D: 44 mm

Spare ER clamping nut No. 309617: 25

Technical description

Overhang dimension A	70 mm
Clamping range	1 - 16 mm
External Ø D	44 mm
Spare ER clamping nut No. 309617	25
ER chuck key No. 309748; No. 309749	25
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

ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309430 4,5
ER collet set 15 pieces 2–16 mm	309021
ER collet with seal Nominal clamping Ø d 4 mm	308946 4
Pull stud sealed suitable for steep tapers 40	308660 40
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40

Pull stud 45° sealed suitable for steep tapers 40	308760 40
Pull stud Form A suitable for steep tapers 40	308600 40
Pull stud 90° sealed suitable for steep tapers 40	308790 40
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
Pull-stud 60° sealed suitable for steep tapers 40	308780 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud sealed suitable for steep tapers 40	308635 40
ER collet Nominal clamping Ø d 7 mm	308941 7
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet with seal Nominal clamping Ø d 7 mm	308946 7
ER collet with seal Nominal clamping Ø d 11 mm	308946 11
Hurco 60° pull stud with bore and fit sealed suitable for steep tapers 40	308803 40
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ER collet Nominal clamping Ø d 3 mm	308941 3
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ER collet with seal Nominal clamping Ø d 9 mm	308946 9
ER collet with seal Nominal clamping Ø d 3 mm	308946 3
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
Pull stud Hurco 90° with bore and fit sealed suitable for steep tapers 40	308805 40
Pull stud 60° sealed suitable for steep tapers 40	308785 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
ER collet Nominal clamping Ø d 12 mm	308941 12
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet Nominal clamping Ø d 4 mm	308941 4
ER collet Nominal clamping Ø d 11 mm	308941 11
ER collet with seal Nominal clamping Ø d 14 mm	308946 14

ER collet with seal Nominal clamping Ø d 10 mm	308946 10
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet with seal Nominal clamping Ø d 15 mm	308946 15
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309430 3,5
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet with seal Nominal clamping Ø d 8 mm	308946 8
ER collet with seal Nominal clamping Ø d 16 mm	308946 16
Pull stud Form B suitable for steep tapers 40	308640 40
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
ER collet with seal Nominal clamping Ø d 12 mm	308946 12
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet Nominal clamping Ø d 10 mm	308941 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309430 9
Pull stud Hurco 60° with fit sealed suitable for steep tapers 40	308804 40
ER collet Nominal clamping Ø d 5 mm	308941 5
ER collet with seal Nominal clamping Ø d 5 mm	308946 5
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309430 6
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet with seal Nominal clamping Ø d 13 mm	308946 13
ER collet Nominal clamping Ø d 2 mm	308941 2

ER collet Nominal clamping \varnothing d 16 mm	308941 16
Pull stud sealed, form A suitable for steep tapers 40	308610 40
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet Nominal clamping \varnothing d 14 mm	308941 14
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 10 mm	309430 10
ER collet Nominal clamping \varnothing d 15 mm	308941 15
ER collet Nominal clamping \varnothing d 9 mm	308941 9
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 7 mm	309430 7
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 8 mm	309430 8
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 2,8 mm	309430 2,8
ER collet Nominal clamping \varnothing d 8 mm	308941 8
ER collet set 7 pieces 4–16 mm with seal	309022
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ER collet Nominal clamping \varnothing d 6 mm	308941 6
HiRunER clamping wrench Type 25	309748 25
HiRunER clamping wrench for torque wrench Type 25	309749 25