

Garant
HiRunER precision ER collet chuck, SK 40 A = 100, for ER collet size: 25


Order data

Order number	300643 25
GTIN	4045197771551
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:

- **3 µm radial run-out with a 2 µm clamping nut, 6 µm radial run-out with a 5 µm clamping nut.**
- **Extremely strong holding force (up to factor 2 better than the standard ER chuck).**
- **Vibration reduction effect due to 2-part clamping nut (size 11M and 16M 1-piece).**

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. 308600 – 308806, 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 No. 628400 or torque wrench No. 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 in combination with Fahrion collets.**
- **The blue design ring must be removed for Fahrion HP 2µm ER collets.**

Use the precision collet chuck always in conjunction with the precision clamping nut No. 309617.

Machining strategy: HPC

Clamping range: 1 - 16 mm

Overhang dimension A: 100 mm
 External Ø D: 44 mm
 Spare ER clamping nut No. 309617: 25

Technical description

for ER collets	25
External Ø D	44 mm
Spare ER clamping nut No. 309617	25
Overhang dimension A	100 mm
Clamping range	1 - 16 mm
Adapter	SK 40 A = 100
Arbor standard	ISO 7388-1
Shape	ADB
Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Concentricity	≤ 3 µm
Machining strategy	HSC
Machining strategy	HPC
Balluffchip bore	yes
Type of product	Collet chuck

Accessories

ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309409 7
ER collet set 7 pieces 4–16 mm with seal	309022
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Torque insert for ER Mini nuts for ER collet chuck 25	309745 25
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309430 3,5
ER collet Nominal clamping Ø d 7 mm	308941 7

Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet with seal Nominal clamping Ø d 14 mm	308946 14
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309413 9
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309430 9
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309413 4,5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet with seal Nominal clamping Ø d 12 mm	308946 12
ER collet with seal Nominal clamping Ø d 11 mm	308946 11
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm	309413 11
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309430 8
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309409 10
Pull stud 90° sealed suitable for steep tapers 40	308795 40
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309409 8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309430 6
ER collet Nominal clamping Ø d 4 mm	308941 4

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309413 7
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309409 12
ER collet Nominal clamping Ø d 14 mm	308941 14
Pull stud Form A suitable for steep tapers 40	308600 40
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309409 14
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet Nominal clamping Ø d 11 mm	308941 11
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ER collet Nominal clamping Ø d 10 mm	308941 10
ER collet with seal Nominal clamping Ø d 7 mm	308946 7
ER chuck key for ER collet chuck 40	309680 40
ER collet Nominal clamping Ø d 3 mm	308941 3
ER chuck key for ER collet chuck 25	309680 25
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309409 16
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet Nominal clamping Ø d 8 mm	308941 8
Pull stud 60° sealed suitable for steep tapers 40	308785 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
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309413 8
ER collet Nominal clamping Ø d 5 mm	308941 5
Pull stud sealed, form A suitable for steep tapers 40	308610 40

Pull stud sealed, form B suitable for steep tapers 40	308620 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309430 10
ER collet with seal Nominal clamping Ø d 10 mm	308946 10
ER collet Nominal clamping Ø d 12 mm	308941 12
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet with seal Nominal clamping Ø d 13 mm	308946 13
ER collet with seal Nominal clamping Ø d 16 mm	308946 16
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER chuck key 1/2 inch socket for ER collet chuck 25	309700 25
ER collet Nominal clamping Ø d 15 mm	308941 15
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309413 12
ER collet with seal Nominal clamping Ø d 15 mm	308946 15
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309409 4,5
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Wrench for ER Mini nuts for ER collet chuck 25	309740 25
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm	309413 10
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6
ER collet with seal Nominal clamping Ø d 5 mm	308946 5
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40

ER collet Nominal clamping Ø d 2 mm	308941 2
ER collet Nominal clamping Ø d 6 mm	308941 6
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309409 11
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud Form B suitable for steep tapers 40	308640 40
ER collet Nominal clamping Ø d 16 mm	308941 16
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309409 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309430 7
Pull stud sealed suitable for steep tapers 40	308635 40
ER collet with seal Nominal clamping Ø d 8 mm	308946 8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309430 2,8
ER collet with seal Nominal clamping Ø d 4 mm	308946 4
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309430 4,5
ER collet Nominal clamping Ø d 9 mm	308941 9
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309413 14