

Garant
HiRunER precision ER collet chuck, SK 50 A = 100, for ER collet size: 25

Order data

Order number	300647 25
GTIN	4045197869906
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

External Ø D	44 mm
Spare ER clamping nut No. 309617	25
Overhang dimension A	100 mm
Clamping range	1 - 16 mm
Clamping Ø D ₁	1-16 mm
Adapter	SK 50 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 Nominal clamping Ø d 13 mm	308941 13
ER collet Nominal clamping Ø d 4 mm	308941 4
ER collet with seal Nominal clamping Ø d 9 mm	308946 9
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 12 mm	308946 12
ER collet Nominal clamping Ø d 10 mm	308941 10
ER collet Nominal clamping Ø d 6 mm	308941 6

ER collet with seal Nominal clamping Ø d 4 mm	308946 4
Pull stud 90° sealed suitable for steep tapers 50	308795 50
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 and spray nozzles Nominal clamping Ø d 10 mm	309413 10
ER collet Nominal clamping Ø d 15 mm	308941 15
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309413 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309430 3,5
ER collet Nominal clamping Ø d 11 mm	308941 11
ER collet with seal Nominal clamping Ø d 8 mm	308946 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309430 8
Pull stud sealed suitable for steep tapers 50	308660 50
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 11 mm	309413 11
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet Nominal clamping Ø d 14 mm	308941 14
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet with seal Nominal clamping Ø d 5 mm	308946 5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309413 4,5
ER collet with seal Nominal clamping Ø d 10 mm	308946 10

Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER collet with seal Nominal clamping Ø d 15 mm	308946 15
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309409 9
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet set 7 pieces 4–16 mm with seal	309022
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6
Special pull stud with internal thread suitable for steep tapers 50	308740 50
Pull stud Form B suitable for steep tapers 50	308640 50
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet with seal Nominal clamping Ø d 16 mm	308946 16
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet with seal Nominal clamping Ø d 7 mm	308946 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309413 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309409 8
ER collet Nominal clamping Ø d 8 mm	308941 8
ER collet with seal Nominal clamping Ø d 3 mm	308946 3
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309430 7
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309430 6
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309409 10
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
ER collet Nominal clamping Ø d 5 mm	308941 5

ER collet Nominal clamping Ø d 12 mm	308941 12
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309430 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309430 4,5
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309409 16
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309409 14
ER collet Nominal clamping Ø d 2 mm	308941 2
Pull stud sealed, form A suitable for steep tapers 50	308610 50
ER collet with seal Nominal clamping Ø d 13 mm	308946 13
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309430 9
Pull stud sealed, form B suitable for steep tapers 50	308620 50
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309409 7
ER collet Nominal clamping Ø d 3 mm	308941 3
Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet Nominal clamping Ø d 7 mm	308941 7
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
ER collet Nominal clamping Ø d 9 mm	308941 9
ER collet with seal Nominal clamping Ø d 11 mm	308946 11
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309413 14
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309413 9

ER collet Nominal clamping \varnothing d 16 mm	308941 16
ER collet for machine taps with seal Nominal clamping \varnothing d 12 mm	309409 12
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet for machine taps with seal Nominal clamping \varnothing d 11 mm	309409 11
HiRunER clamping wrench Type 25	309748 25
HiRunER clamping wrench for torque wrench Type 25	309749 25