

Garant
HiRunER precision ER collet chuck, SK 50 A = 70, for ER collet size: 25

Order data

Order number	300646 25
GTIN	4045197869876
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: 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
Spare ER clamping nut No. 309617	25
External Ø D	44 mm
for ER collets	25
Adapter	SK 50 A = 70
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

Pull stud 60° sealed suitable for steep tapers 50	308785 50
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm	309413 11
ER collet with seal Nominal clamping Ø d 11 mm	308946 11
ER collet with seal Nominal clamping Ø d 16 mm	308946 16
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
Pull stud sealed, form B suitable for steep tapers 50	308650 50
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 Nominal clamping Ø d 10 mm	309409 10
ER collet Nominal clamping Ø d 5 mm	308941 5
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ER collet with seal Nominal clamping Ø d 5 mm	308946 5
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309409 11
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309430 8
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309430 7
ER collet Nominal clamping Ø d 11 mm	308941 11
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309430 4,5
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet Nominal clamping Ø d 14 mm	308941 14
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 8 mm	309413 8
ER collet with seal Nominal clamping Ø d 3 mm	308946 3
Pull stud 45° sealed suitable for steep tapers 50	308760 50
	309413 14

ER collet for machine taps with seal and spray nozzles
Nominal clamping \varnothing d 14 mm

ER collet with seal Nominal clamping \varnothing d 7 mm	308946 7
ER collet Nominal clamping \varnothing d 3 mm	308941 3
Pull stud 45° sealed suitable for steep tapers 50	308765 50
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet for machine taps with seal Nominal clamping \varnothing d 8 mm	309409 8
ER collet set 7 pieces 4–16 mm with seal	309022
ER collet with seal Nominal clamping \varnothing d 15 mm	308946 15
ER collet for machine taps with seal Nominal clamping \varnothing d 7 mm	309409 7
ER collet Nominal clamping \varnothing d 4 mm	308941 4
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 2,8 mm	309430 2,8
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309409 9
Pull stud sealed suitable for steep tapers 50	308660 50
ER collet for machine taps with seal Nominal clamping \varnothing d 16 mm	309409 16
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 7 mm	309413 7
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 10 mm	309430 10
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309409 4,5
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet for machine taps with seal Nominal clamping \varnothing d 14 mm	309409 14
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50

Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309430 9
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 6 mm	309430 6
ER collet Nominal clamping Ø d 6 mm	308941 6
ER collet with seal Nominal clamping Ø d 4 mm	308946 4
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
ER collet with seal Nominal clamping Ø d 14 mm	308946 14
ER collet with seal Nominal clamping Ø d 9 mm	308946 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm	309413 10
ER collet Nominal clamping Ø d 9 mm	308941 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309413 9
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet Nominal clamping Ø d 8 mm	308941 8
ER collet with seal Nominal clamping Ø d 13 mm	308946 13
Pull stud Form B suitable for steep tapers 50	308640 50
ER collet with seal Nominal clamping Ø d 12 mm	308946 12
Pull stud sealed, form A suitable for steep tapers 50	308610 50
ER collet Nominal clamping Ø d 2 mm	308941 2
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ER collet Nominal clamping Ø d 15 mm	308941 15
ER collet with seal Nominal clamping Ø d 10 mm	308946 10
ER collet Nominal clamping Ø d 10 mm	308941 10
ER collet Nominal clamping Ø d 12 mm	308941 12

ER collet Nominal clamping Ø d 16 mm	308941 16
ER collet Nominal clamping Ø d 7 mm	308941 7
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309409 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309430 3,5
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
HiRunER clamping wrench Type 25	309748 25
HiRunER clamping wrench for torque wrench Type 25	309749 25