

Garant
HiRunER precision ER collet chuck, SK 50 A = 70, for ER collet size: 40

Order data

Order number	300646 40
GTIN	4045197869890
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: 3 - 26 mm

Overhang dimension A: 70 mm
 External Ø D: 62 mm
 Spare ER clamping nut No. 309617: 40

Technical description

for ER collets	40
External Ø D	62 mm
Clamping range	3 - 26 mm
Spare ER clamping nut No. 309617	40
Overhang dimension A	70 mm
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

ER collet Nominal clamping Ø d 19 mm	308990 19
ER collet Nominal clamping Ø d 25 mm	308990 25
Pull stud sealed, form B suitable for steep tapers 50	308650 50
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
Pull stud Form A suitable for steep tapers 50	308600 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50

Pull stud Form B suitable for steep tapers 50	308640 50
ER collet with seal Nominal clamping Ø d 22 mm	308992 22
ER collet with seal Nominal clamping Ø d 14 mm	308992 14
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309419 14
ER collet Nominal clamping Ø d 9 mm	308990 9
Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet Nominal clamping Ø d 4 mm	308990 4
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309419 9
ER collet Nominal clamping Ø d 21 mm	308990 21
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309434 8
ER collet Nominal clamping Ø d 5 mm	308990 5
ER collet with seal Nominal clamping Ø d 25 mm	308992 25
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309419 6
ER collet with seal Nominal clamping Ø d 12 mm	308992 12
ER collet with seal Nominal clamping Ø d 10 mm	308992 10
ER collet with seal Nominal clamping Ø d 18 mm	308992 18
ER collet with seal Nominal clamping Ø d 6 mm	308992 6
ER collet Nominal clamping Ø d 23 mm	308990 23
Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER collet Nominal clamping Ø d 7 mm	308990 7
ER collet with seal Nominal clamping Ø d 8 mm	308992 8
ER collet Nominal clamping Ø d 24 mm	308990 24
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309419 12
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 15 mm	308990 15

ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm	309434 12
ER collet set 23 pieces 4–26 mm	309028
ER collet Nominal clamping Ø d 22 mm	308990 22
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309419 11
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309434 10
ER collet Nominal clamping Ø d 14 mm	308990 14
ER collet Nominal clamping Ø d 10 mm	308990 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 16 mm	309434 16
ER collet Nominal clamping Ø d 11 mm	308990 11
ER collet Nominal clamping Ø d 13 mm	308990 13
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309434 9
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309419 20
Pull stud sealed suitable for steep tapers 50	308660 50
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet Nominal clamping Ø d 6 mm	308990 6
ER collet for machine taps with seal Nominal clamping Ø d 22 mm	309419 22
ER collet Nominal clamping Ø d 20 mm	308990 20
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309419 16
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ER collet Nominal clamping Ø d 17 mm	308990 17
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309419 7
	308812 50

Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50

Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet Nominal clamping Ø d 26 mm	308990 26
ER collet Nominal clamping Ø d 12 mm	308990 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309434 6
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309419 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 14 mm	309434 14
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
Pull stud sealed, form A suitable for steep tapers 50	308610 50
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309419 18
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309419 8
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet Nominal clamping Ø d 16 mm	308990 16
Torque wrench with reversible ratchet maximum torque 200 N·m	656050 200
ER collet Nominal clamping Ø d 18 mm	308990 18
ER collet Nominal clamping Ø d 8 mm	308990 8
ER collet with seal Nominal clamping Ø d 16 mm	308992 16
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER collet with seal Nominal clamping Ø d 20 mm	308992 20
ER collet for machine taps with seal Nominal clamping Ø d 25 mm	309419 25

HiRunER clamping wrench Type 40	309748 40
HiRunER clamping wrench for torque wrench Type 40	309749 40