

Garant
HiRunER precision ER collet chuck, SK 50 A = 100, for ER collet size: 40 ER

Order data

Order number	300647 40
GTIN	4045197869920
Item class	31A

Description
Version:

External and internal tapers are ground. All shanks are hard turned for a smooth cutting action. Including 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 collets No. 308901 – 309434,
 ER clamping wrenches No. 309748; 309749; 309758; 309759,
 Fahrion ER collets No. 308901 – 309434.

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.**

Use the precision collet chuck always in conjunction with the precision clamping nut No. 309617.
 Machining strategy: HPC

Clamping range: 3 - 26 mm
 External Ø D: 62 mm
 Spare ER clamping nut No. 309617: 40

Technical description

External Ø D	62 mm
for ER collets	40
Spare ER clamping nut No. 309617	40
Clamping range	3 - 26 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 for machine taps with seal Nominal clamping Ø d 6 mm	309419 6
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309419 10
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER collet Nominal clamping Ø d 16 mm	308990 16
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 7 mm	309449 7

Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet Nominal clamping Ø d 22 mm	308990 22
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309449 6
ER collet Nominal clamping Ø d 13 mm	308990 13
ER collet Nominal clamping Ø d 6 mm	309040 6
ER collet Nominal clamping Ø d 17 mm	308990 17
Pull stud 45° sealed suitable for steep tapers 50	308760 50
Pull stud 45° sealed suitable for steep tapers 50	308765 50
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet Nominal clamping Ø d 14 mm	308990 14
ER collet Nominal clamping Ø d 21 mm	309040 21
ER collet Nominal clamping Ø d 8 mm	308990 8
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309419 20
ER collet Nominal clamping Ø d 25 mm	308990 25
ER collet Nominal clamping Ø d 17 mm	309040 17
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309449 4
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309419 11
ER collet Nominal clamping Ø d 14 mm	309040 14
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309434 10
ER collet Nominal clamping Ø d 11 mm	309040 11
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 10 mm	309449 10
ER collet with seal Nominal clamping Ø d 10 mm	308992 10
ER collet set 23 pieces 4–26 mm	309320

Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
ER collet Nominal clamping Ø d 9 mm	308990 9
ER collet with seal Nominal clamping Ø d 16 mm	308992 16
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 9 mm	309449 9
ER collet Nominal clamping Ø d 7 mm	308990 7
ER collet Nominal clamping Ø d 5 mm	308990 5
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309419 7
ER collet Nominal clamping Ø d 15 mm	308990 15
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 14 mm	309449 14
ER collet with seal Nominal clamping Ø d 8 mm	308992 8
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309419 14
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet Nominal clamping Ø d 6 mm	308990 6
Pull stud 90° sealed suitable for steep tapers 50	308795 50
Pull stud Form B suitable for steep tapers 50	308640 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 16 mm	309449 16
ER collet with seal Nominal clamping Ø d 12 mm	308992 12
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
ER collet Nominal clamping Ø d 13 mm	309040 13
ER collet with seal Nominal clamping Ø d 6 mm	308992 6
ER collet with seal Nominal clamping Ø d 25 mm	308992 25
ER collet Nominal clamping Ø d 18 mm	308990 18
ER collet Nominal clamping Ø d 20 mm	309040 20
ER collet with seal Nominal clamping Ø d 20 mm	308992 20

Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet Nominal clamping Ø d 26 mm	309040 26
ER collet for machine taps with seal Nominal clamping Ø d 25 mm	309419 25
ER collet Nominal clamping Ø d 20 mm	308990 20
Pull stud sealed suitable for steep tapers 50	308660 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 8 mm	309449 8
ER collet Nominal clamping Ø d 22 mm	309040 22
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309419 18
ER collet Nominal clamping Ø d 21 mm	308990 21
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309419 16
ER collet Nominal clamping Ø d 9 mm	309040 9
ER chuck key for ER collet chuck 40	309680 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309449 5
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309434 6
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 11 mm	309449 11
ER collet Nominal clamping Ø d 4 mm	308990 4
ER collet Nominal clamping Ø d 19 mm	309040 19
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309449 4,5
ER collet Nominal clamping Ø d 25 mm	309040 25
ER collet with seal Nominal clamping Ø d 22 mm	308992 22
ER collet Nominal clamping Ø d 24 mm	308990 24

ER collet Nominal clamping Ø d 23 mm	308990 23
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 16 mm	309040 16
ER collet Nominal clamping Ø d 15 mm	309040 15
ER collet set 23 pieces 4–26 mm	309028
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 16 mm	309434 16
ER collet Nominal clamping Ø d 10 mm	308990 10
ER collet Nominal clamping Ø d 12 mm	308990 12
ER collet Nominal clamping Ø d 5 mm	309040 5
ER collet Nominal clamping Ø d 8 mm	309040 8
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309419 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm	309434 12
ER collet Nominal clamping Ø d 7 mm	309040 7
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet Nominal clamping Ø d 11 mm	308990 11
ER collet Nominal clamping Ø d 26 mm	308990 26
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309434 9
ER collet with seal Nominal clamping Ø d 14 mm	308992 14
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 14 mm	309434 14
ER collet Nominal clamping Ø d 23 mm	309040 23
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309419 8
ER collet Nominal clamping Ø d 24 mm	309040 24

ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309434 8
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309419 12
ER collet Nominal clamping Ø d 19 mm	308990 19
ER collet Nominal clamping Ø d 18 mm	309040 18
ER collet with seal Nominal clamping Ø d 18 mm	308992 18
ER collet Nominal clamping Ø d 10 mm	309040 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 12 mm	309449 12
ER collet Nominal clamping Ø d 12 mm	309040 12
ER collet for machine taps with seal Nominal clamping Ø d 22 mm	309419 22
ER collet Nominal clamping Ø d 4 mm	309040 4