

Garant
HiRunER precision ER collet chuck, SK 50 A = 100, for ER collet size: 32 ER

Order data

Order number	300647 32
GTIN	4045197869913
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: 2 - 20 mm
 External Ø D: 52 mm
 Spare ER clamping nut No. 309617: 32

Technical description

Clamping range	2 - 20 mm
for ER collets	32
External Ø D	52 mm
Spare ER clamping nut No. 309617	32
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

Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309414 14
ER collet with seal Nominal clamping Ø d 10 mm	308986 10
Pull stud Form B suitable for steep tapers 50	308640 50
ER collet Nominal clamping Ø d 8 mm	308981 8
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309414 11
ER collet with seal and spray nozzles Nominal clamping Ø d 13 mm	309002 13

ER collet with seal Nominal clamping Ø d 16 mm	309001 16
ER collet with seal and spray nozzles Nominal clamping Ø d 14 mm	309002 14
ER collet with seal Nominal clamping Ø d 18 mm	308986 18
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 11 mm	309432 11
ER collet Nominal clamping Ø d 18 mm	308981 18
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309414 16
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309414 9
ER collet with seal Nominal clamping Ø d 3 mm	309001 3
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER collet Nominal clamping Ø d 15 mm	308981 15
ER collet with seal Nominal clamping Ø d 3 mm	308986 3
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309432 8
ER collet Nominal clamping Ø d 15 mm	309000 15
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309416 18
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ER collet with seal Nominal clamping Ø d 16 mm	308986 16
ER collet with seal Nominal clamping Ø d 20 mm	308986 20
ER collet Nominal clamping Ø d 9 mm	309000 9
ER collet Nominal clamping Ø d 13 mm	308981 13
ER collet with seal and spray nozzles Nominal clamping Ø d 19 mm	309002 19
ER collet set 18 pieces 3–20 mm	309024
ER collet Nominal clamping Ø d 16 mm	309000 16
ER collet Nominal clamping Ø d 11 mm	309000 11
ER collet with seal Nominal clamping Ø d 19 mm	309001 19

ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	309002 5
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 9 mm	309448 9
ER collet Nominal clamping Ø d 4 mm	309000 4
Pull stud sealed suitable for steep tapers 50	308660 50
ER collet with seal Nominal clamping Ø d 12 mm	309001 12
ER collet Nominal clamping Ø d 3 mm	309000 3
ER collet Nominal clamping Ø d 19 mm	308981 19
ER collet with seal Nominal clamping Ø d 15 mm	309001 15
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 12 mm	309448 12
ER collet with seal Nominal clamping Ø d 18 mm	309001 18
ER collet Nominal clamping Ø d 17 mm	309000 17
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309416 6
ER collet with seal Nominal clamping Ø d 10 mm	309001 10
ER collet Nominal clamping Ø d 6 mm	308981 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm	309432 12
ER chuck key 1/2 inch socket for ER collet chuck 32	309700 32
ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	309002 9
ER collet Nominal clamping Ø d 19 mm	309000 19
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 20 mm	309418 20
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm	309418 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 18 mm	309418 18
ER collet with seal Nominal clamping Ø d 12 mm	308986 12

ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309416 12
ER collet with seal Nominal clamping Ø d 8 mm	309001 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309416 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309414 8
ER collet set 18 pieces 3–20 mm	309280
ER collet Nominal clamping Ø d 17 mm	308981 17
ER collet Nominal clamping Ø d 5 mm	309000 5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309418 12
ER collet Nominal clamping Ø d 16 mm	308981 16
ER collet set 8 pieces 4–16, 20 mm with seal	309026
ER collet Nominal clamping Ø d 10 mm	308981 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309448 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309432 4,5
ER collet set 18 pieces 3–20 mm with seal and spray nozzles	309285
ER collet Nominal clamping Ø d 8 mm	309000 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 8 mm	309448 8
ER collet with seal and spray nozzles Nominal clamping Ø d 12 mm	309002 12
ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm	309002 6
ER collet Nominal clamping Ø d 9 mm	308981 9
ER collet with seal and spray nozzles Nominal clamping Ø d 15 mm	309002 15
ER collet with seal Nominal clamping Ø d 7 mm	308986 7
	309448 11

ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 11 mm	
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet with seal Nominal clamping \varnothing d 13 mm	309001 13
ER collet for machine taps with seal Nominal clamping \varnothing d 11 mm	309416 11
ER collet Nominal clamping \varnothing d 20 mm	309000 20
ER collet for machine taps with seal Nominal clamping \varnothing d 10 mm	309414 10
ER collet for machine taps with seal Nominal clamping \varnothing d 14 mm	309416 14
ER collet with seal Nominal clamping \varnothing d 7 mm	309001 7
ER collet Nominal clamping \varnothing d 3 mm	308981 3
ER collet with seal Nominal clamping \varnothing d 13 mm	308986 13
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 4 mm	309448 4
ER collet with seal Nominal clamping \varnothing d 6 mm	308986 6
ER collet with seal and spray nozzles Nominal clamping \varnothing d 11 mm	309002 11
ER collet with seal and spray nozzles Nominal clamping \varnothing d 16 mm	309002 16
ER collet with seal Nominal clamping \varnothing d 4 mm	308986 4
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 4,5 mm	309418 4,5
ER collet Nominal clamping \varnothing d 12 mm	309000 12
ER collet with seal Nominal clamping \varnothing d 11 mm	309001 11
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 14 mm	309448 14
	309432 7

ET collet for thread tapping, with axial compensation
Nominal clamping \varnothing d 7 mm

Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet with seal Nominal clamping \varnothing d 5 mm	309001 5
ER collet with seal Nominal clamping \varnothing d 8 mm	308986 8
ER collet for machine taps with seal Nominal clamping \varnothing d 7 mm	309414 7
ER collet with seal and spray nozzles Nominal clamping \varnothing d 10 mm	309002 10
ER collet with seal and spray nozzles Nominal clamping \varnothing d 8 mm	309002 8
ER collet with seal Nominal clamping \varnothing d 15 mm	308986 15
ER collet Nominal clamping \varnothing d 12 mm	308981 12
Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER collet Nominal clamping \varnothing d 18 mm	309000 18
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 4,5 mm	309448 4,5
ER collet with seal Nominal clamping \varnothing d 17 mm	308986 17
ER collet for machine taps with seal Nominal clamping \varnothing d 18 mm	309414 18
ER collet with seal and spray nozzles Nominal clamping \varnothing d 18 mm	309002 18
ER collet with seal Nominal clamping \varnothing d 20 mm	309001 20
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309416 9
ER collet with seal Nominal clamping \varnothing d 17 mm	309001 17
ER collet for machine taps with seal Nominal clamping \varnothing d 7 mm	309416 7
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 7 mm	309448 7
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet Nominal clamping \varnothing d 7 mm	309000 7
	309002 20

ER collet with seal and spray nozzles Nominal clamping \varnothing d 20 mm

ER collet with seal Nominal clamping \varnothing d 11 mm	308986 11
ER collet with seal Nominal clamping \varnothing d 4 mm	309001 4
ER collet Nominal clamping \varnothing d 14 mm	309000 14
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 5 mm	309448 5
ER collet Nominal clamping \varnothing d 10 mm	309000 10
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet with seal Nominal clamping \varnothing d 6 mm	309001 6
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 7 mm	309418 7
ER collet Nominal clamping \varnothing d 5 mm	308981 5
ER collet with seal and spray nozzles Nominal clamping \varnothing d 3 mm	309002 3
ER collet for machine taps with seal Nominal clamping \varnothing d 10 mm	309416 10
ER chuck key for ER collet chuck 32	309680 32
ER collet set 18 pieces 3–20 mm with seal	309284
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet with seal and spray nozzles Nominal clamping \varnothing d 17 mm	309002 17
ER collet with seal Nominal clamping \varnothing d 9 mm	308986 9
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 14 mm	309418 14
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 9 mm	309418 9
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 8 mm	309418 8
	308820 50

Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872)
suitable for ISO taper size 50

Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet Nominal clamping \varnothing d 6 mm	309000 6
ER collet for machine taps with seal Nominal clamping \varnothing d 20 mm	309414 20
ER collet Nominal clamping \varnothing d 14 mm	308981 14
ER collet with seal Nominal clamping \varnothing d 5 mm	308986 5
ER collet Nominal clamping \varnothing d 13 mm	309000 13
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309414 4,5
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 6 mm	309432 6
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 9 mm	309432 9
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 11 mm	309418 11
ER collet Nominal clamping \varnothing d 20 mm	308981 20
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309416 4,5
ER collet with seal Nominal clamping \varnothing d 14 mm	308986 14
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ER collet Nominal clamping \varnothing d 7 mm	308981 7
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 6 mm	309418 6
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet Nominal clamping \varnothing d 11 mm	308981 11
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 10 mm	309418 10
ER collet for machine taps with seal Nominal clamping \varnothing d 16 mm	309416 16
	309432 10

ET collet for thread tapping, with axial compensation
Nominal clamping \varnothing d 10 mm

Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet with seal Nominal clamping \varnothing d 19 mm	308986 19
ER collet for machine taps with seal Nominal clamping \varnothing d 20 mm	309416 20
ER collet with seal Nominal clamping \varnothing d 9 mm	309001 9
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 10 mm	309448 10
ER collet Nominal clamping \varnothing d 4 mm	308981 4
ER collet for machine taps with seal Nominal clamping \varnothing d 12 mm	309414 12
ER collet with seal Nominal clamping \varnothing d 14 mm	309001 14
ER collet for machine taps with seal Nominal clamping \varnothing d 6 mm	309414 6
ER collet with seal and spray nozzles Nominal clamping \varnothing d 4 mm	309002 4
ER collet with seal and spray nozzles Nominal clamping \varnothing d 7 mm	309002 7