

Garant
HiRunER precision ER collet chuck, SK 50 A = 70, for ER collet size: 32 ER

Order data

Order number	300646 32
GTIN	4045197869883
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

for ER collets	32
Spare ER clamping nut No. 309617	32
External Ø D	52 mm
Clamping range	2 - 20 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 with seal Nominal clamping Ø d 12 mm	309001 12
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet set 18 pieces 3–20 mm	309024
ER collet Nominal clamping Ø d 8 mm	308981 8
ER collet with seal Nominal clamping Ø d 20 mm	308986 20
Pull stud sealed, form B suitable for steep tapers 50	308650 50
	309414 7

ER collet for machine taps with seal Nominal clamping Ø d 7 mm	
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309432 6
Pull stud sealed suitable for steep tapers 50	308660 50
ER collet Nominal clamping Ø d 7 mm	308981 7
ER chuck key 1/2 inch socket for ER collet chuck 32	309700 32
ER collet with seal Nominal clamping Ø d 17 mm	309001 17
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 11 mm	309001 11
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309414 8
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309414 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309432 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm	309418 10
ER collet Nominal clamping Ø d 3 mm	308981 3
ER collet with seal Nominal clamping Ø d 7 mm	309001 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309418 6
ER collet Nominal clamping Ø d 3 mm	309000 3
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 7 mm	309448 7
ER collet with seal Nominal clamping Ø d 20 mm	309001 20
ER collet with seal Nominal clamping Ø d 8 mm	308986 8
ER collet with seal Nominal clamping Ø d 5 mm	308986 5
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 10 mm	309448 10
Special pull stud with internal thread suitable for steep tapers 50	308740 50

ER collet with seal Nominal clamping Ø d 4 mm	308986 4
ER collet with seal Nominal clamping Ø d 9 mm	308986 9
ER collet with seal and spray nozzles Nominal clamping Ø d 15 mm	309002 15
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309414 20
ER collet Nominal clamping Ø d 10 mm	309000 10
ER collet with seal and spray nozzles Nominal clamping Ø d 17 mm	309002 17
ER collet with seal Nominal clamping Ø d 8 mm	309001 8
ER collet Nominal clamping Ø d 13 mm	308981 13
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	309002 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309418 7
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309416 7
ER collet with seal Nominal clamping Ø d 13 mm	309001 13
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309414 14
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309414 16
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309448 5
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309416 9
ER collet with seal Nominal clamping Ø d 16 mm	309001 16
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet Nominal clamping Ø d 13 mm	309000 13

ER collet Nominal clamping Ø d 16 mm	308981 16
ER collet with seal and spray nozzles Nominal clamping Ø d 19 mm	309002 19
ER collet Nominal clamping Ø d 20 mm	308981 20
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309418 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309432 10
ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	309002 9
ER collet Nominal clamping Ø d 9 mm	309000 9
ER collet with seal Nominal clamping Ø d 14 mm	309001 14
ER collet with seal Nominal clamping Ø d 17 mm	308986 17
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ER collet with seal Nominal clamping Ø d 19 mm	308986 19
ER collet with seal Nominal clamping Ø d 15 mm	308986 15
ER collet with seal Nominal clamping Ø d 10 mm	308986 10
ER collet Nominal clamping Ø d 15 mm	309000 15
ER collet Nominal clamping Ø d 10 mm	308981 10
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309416 12
Pull stud Form A suitable for steep tapers 50	308600 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 11 mm	309448 11
ER collet Nominal clamping Ø d 14 mm	309000 14
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309414 4,5
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309414 10
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309416 20

ER collet Nominal clamping Ø d 11 mm	309000 11
ER collet with seal Nominal clamping Ø d 4 mm	309001 4
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	309002 4
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm	309418 11
ER collet Nominal clamping Ø d 4 mm	308981 4
ER collet Nominal clamping Ø d 4 mm	309000 4
ER collet Nominal clamping Ø d 12 mm	308981 12
ER collet Nominal clamping Ø d 19 mm	309000 19
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309416 18
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309418 9
ER collet with seal and spray nozzles Nominal clamping Ø d 18 mm	309002 18
ER collet Nominal clamping Ø d 16 mm	309000 16
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309432 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309418 14
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309416 8
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309418 8
ER collet with seal and spray nozzles Nominal clamping Ø d 13 mm	309002 13
ER collet Nominal clamping Ø d 5 mm	309000 5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 20 mm	309418 20
ER collet with seal Nominal clamping Ø d 15 mm	309001 15
	309432 8

ET collet for thread tapping, with axial compensation
Nominal clamping \varnothing d 8 mm

ER collet Nominal clamping \varnothing d 8 mm	309000 8
ER collet with seal Nominal clamping \varnothing d 10 mm	309001 10
ER collet for machine taps with seal Nominal clamping \varnothing d 11 mm	309414 11
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 4,5 mm	309418 4,5
ER collet with seal Nominal clamping \varnothing d 11 mm	308986 11
ER collet Nominal clamping \varnothing d 17 mm	308981 17
ER collet for machine taps with seal Nominal clamping \varnothing d 10 mm	309416 10
ER collet Nominal clamping \varnothing d 7 mm	309000 7
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
ER collet Nominal clamping \varnothing d 6 mm	308981 6
ER collet with seal and spray nozzles Nominal clamping \varnothing d 14 mm	309002 14
ER collet set 18 pieces 3–20 mm with seal	309284
ER collet Nominal clamping \varnothing d 6 mm	309000 6
ER collet for machine taps with seal Nominal clamping \varnothing d 14 mm	309416 14
ER collet with seal and spray nozzles Nominal clamping \varnothing d 12 mm	309002 12
ER collet for machine taps with seal Nominal clamping \varnothing d 18 mm	309414 18
ER collet Nominal clamping \varnothing d 5 mm	308981 5
ER chuck key for ER collet chuck 32	309680 32
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 6 mm	309002 6
ER collet Nominal clamping \varnothing d 19 mm	308981 19
	309448 8

ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 8 mm

ER collet for machine taps with seal and spray nozzles
Nominal clamping \varnothing d 16 mm

309418 16

ER collet Nominal clamping \varnothing d 9 mm

308981 9

ER collet with seal Nominal clamping \varnothing d 14 mm

308986 14

ER collet for machine taps with seal and spray nozzles
Nominal clamping \varnothing d 18 mm

309418 18

ER collet with seal Nominal clamping \varnothing d 16 mm

308986 16

ER collet for machine taps with seal Nominal clamping \varnothing d 16 mm

309416 16

ER collet with seal Nominal clamping \varnothing d 5 mm

309001 5

ER collet with seal and spray nozzles Nominal clamping \varnothing d 7 mm

309002 7

ER collet with seal Nominal clamping \varnothing d 3 mm

308986 3

ER collet with seal and spray nozzles Nominal clamping \varnothing d 5 mm

309002 5

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50

308615 50

Pull stud 45° sealed suitable for steep tapers 50

308765 50

ER collet for machine taps with seal Nominal clamping \varnothing d 11 mm

309416 11

ER collet with seal Nominal clamping \varnothing d 13 mm

308986 13

ER collet Nominal clamping \varnothing d 12 mm

309000 12

Pull stud Form B suitable for steep tapers 50

308640 50

ER collet set 18 pieces 3–20 mm with seal and spray nozzles

309285

ER collet Nominal clamping \varnothing d 15 mm

308981 15

ET collet for thread tapping, with axial compensation
Nominal clamping \varnothing d 4,5 mm

309432 4,5

ER collet with seal and spray nozzles Nominal clamping \varnothing d 10 mm

309002 10

309448 14

ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 14 mm

ER collet with seal Nominal clamping \varnothing d 6 mm	308986 6
ER collet for machine taps with seal Nominal clamping \varnothing d 6 mm	309416 6
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 9 mm	309448 9
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309414 9
ER collet set 18 pieces 3–20 mm	309280
ER collet with seal Nominal clamping \varnothing d 18 mm	309001 18
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 12 mm	309432 12
ER collet with seal Nominal clamping \varnothing d 9 mm	309001 9
ER collet Nominal clamping \varnothing d 14 mm	308981 14
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 11 mm	309432 11
ER collet set 8 pieces 4–16, 20 mm with seal	309026
ER collet Nominal clamping \varnothing d 18 mm	309000 18
ER collet with seal Nominal clamping \varnothing d 18 mm	308986 18
ER collet Nominal clamping \varnothing d 20 mm	309000 20
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet with seal and spray nozzles Nominal clamping \varnothing d 16 mm	309002 16
ER collet with seal Nominal clamping \varnothing d 19 mm	309001 19
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309416 4,5
ER collet with seal and spray nozzles Nominal clamping \varnothing d 11 mm	309002 11
Pull stud 45° sealed suitable for steep tapers 50	308760 50
Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet Nominal clamping \varnothing d 11 mm	308981 11

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309448 4
ER collet with seal and spray nozzles Nominal clamping Ø d 20 mm	309002 20
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309448 6
ER collet with seal Nominal clamping Ø d 3 mm	309001 3
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309448 4,5
ER collet with seal Nominal clamping Ø d 7 mm	308986 7
ER collet with seal Nominal clamping Ø d 6 mm	309001 6
ER collet Nominal clamping Ø d 17 mm	309000 17
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	309002 3
ER collet with seal Nominal clamping Ø d 12 mm	308986 12
ER collet Nominal clamping Ø d 18 mm	308981 18