

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


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 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: 2 - 20 mm

Overhang dimension A: 100 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
Overhang dimension A	100 mm
Spare ER clamping nut No. 309617	32
Clamping Ø D ₁	2-20 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

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
	309414 11

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

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
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
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 13 mm	308981 13
ER collet set 18 pieces 3–20 mm	309024
Pull stud sealed suitable for steep tapers 50	308660 50
ER collet Nominal clamping Ø d 19 mm	308981 19
Special pull stud with internal thread suitable for steep tapers 50	308740 50
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 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
	309418 18

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

ER collet with seal Nominal clamping \varnothing d 12 mm	308986 12
ER collet for machine taps with seal Nominal clamping \varnothing d 8 mm	309414 8
ER collet Nominal clamping \varnothing d 17 mm	308981 17
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 12 mm	309418 12
ER collet Nominal clamping \varnothing d 16 mm	308981 16
ER collet set 8 pieces 4–16, 20 mm with seal	309026
ER collet Nominal clamping \varnothing d 10 mm	308981 10
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 4,5 mm	309432 4,5
ER collet Nominal clamping \varnothing d 9 mm	308981 9
ER collet with seal Nominal clamping \varnothing d 7 mm	308986 7
Pull 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 for machine taps with seal Nominal clamping \varnothing d 10 mm	309414 10
ER collet Nominal clamping \varnothing d 3 mm	308981 3
ER collet with seal Nominal clamping \varnothing d 13 mm	308986 13
ER collet with seal Nominal clamping \varnothing d 6 mm	308986 6
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
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
ET collet for thread tapping, with axial compensation Nominal clamping \varnothing d 7 mm	309432 7
Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet with seal Nominal clamping \varnothing d 8 mm	308986 8

ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309414 7
ER collet with seal Nominal clamping Ø d 15 mm	308986 15
ER collet Nominal clamping Ø d 12 mm	308981 12
Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER collet with seal Nominal clamping Ø d 17 mm	308986 17
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309414 18
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet with seal Nominal clamping Ø d 11 mm	308986 11
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
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 Ø d 7 mm	309418 7
ER collet Nominal clamping Ø d 5 mm	308981 5
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet with seal Nominal clamping Ø d 9 mm	308986 9
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 and spray nozzles Nominal clamping Ø d 9 mm	309418 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309418 8
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 for machine taps with seal Nominal clamping Ø d 20 mm	309414 20
ER collet Nominal clamping Ø d 14 mm	308981 14
ER collet with seal Nominal clamping Ø d 5 mm	308986 5
	309414 4,5

ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm

ET collet for thread tapping, with axial compensation
Nominal clamping Ø d 6 mm

309432 6

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 11 mm

309418 11

ER collet Nominal clamping Ø d 20 mm

308981 20

ER collet with seal Nominal clamping Ø 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 Ø d 7 mm

308981 7

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 6 mm

309418 6

Pull stud sealed, form B suitable for steep tapers 50

308650 50

ER collet Nominal clamping Ø d 11 mm

308981 11

ER collet for machine taps with seal and spray nozzles
Nominal clamping Ø d 10 mm

309418 10

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

309432 10

Pull stud 90° sealed suitable for steep tapers 50

308790 50

ER collet with seal Nominal clamping Ø d 19 mm

308986 19

ER collet Nominal clamping Ø d 4 mm

308981 4

ER collet for machine taps with seal Nominal clamping Ø d
12 mm

309414 12

ER collet for machine taps with seal Nominal clamping Ø d
6 mm

309414 6

HiRunER clamping wrench Type 32

309748 32

HiRunER clamping wrench for torque wrench Type 32

309749 32