

**Garant**
**HiRunER precision ER collet chuck, SK 50 A = 100, for ER collet size: 25 ER**

**Order data**

Order number	300647 25
GTIN	4045197869906
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: 1 - 16 mm  
 External Ø D: 44 mm  
 Spare ER clamping nut No. 309617: 25

## Technical description

External Ø D	44 mm
Spare ER clamping nut No. 309617	25
Clamping range	1 - 16 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

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 10 mm	309447 10
Torque insert for ER mini-nuts for ER collet chuck 25	309745 25
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet Nominal clamping Ø d 4 mm	308941 4
ER collet with seal Nominal clamping Ø d 9 mm	308946 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309430 2,8
ER collet with seal Nominal clamping Ø d 12 mm	308946 12
ER collet Nominal clamping Ø d 10 mm	308941 10

ER collet Nominal clamping Ø d 6 mm	308941 6
ER collet with seal Nominal clamping Ø d 4 mm	308946 4
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308962 5
ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	308962 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309413 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm	309413 10
ER collet Nominal clamping Ø d 15 mm	308941 15
ER collet with seal Nominal clamping Ø d 6 mm	308959 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309413 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309430 3,5
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309411 16
ER collet Nominal clamping Ø d 11 mm	308941 11
ER collet with seal Nominal clamping Ø d 5 mm	308959 5
ER collet Nominal clamping Ø d 4 mm	308960 4
ER collet with seal Nominal clamping Ø d 8 mm	308946 8
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309411 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309413 6
Wrench for ER Mini nuts for ER collet chuck 25	309740 25
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 9 mm	309447 9
ER collet with seal Nominal clamping Ø d 11 mm	308959 11
ER collet with seal and spray nozzles Nominal clamping Ø d 15 mm	308962 15

ER collet Nominal clamping Ø d 2 mm	308960 2
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309430 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3 mm	309447 3
Pull stud sealed suitable for steep tapers 50	308660 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309447 5
ER collet Nominal clamping Ø d 6 mm	308960 6
ER collet with seal Nominal clamping Ø d 14 mm	308946 14
ER chuck key for ER collet chuck 25	309680 25
ER collet Nominal clamping Ø d 8 mm	308960 8
ER collet with seal Nominal clamping Ø d 8 mm	308959 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm	309413 11
ER collet Nominal clamping Ø d 13 mm	308960 13
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ER collet Nominal clamping Ø d 9 mm	308960 9
Pull stud 60° sealed suitable for steep tapers 50	308785 50
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309411 14
ER collet Nominal clamping Ø d 7 mm	308960 7
ER collet Nominal clamping Ø d 10 mm	308960 10
ER collet Nominal clamping Ø d 14 mm	308941 14
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	308962 7
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet with seal Nominal clamping Ø d 15 mm	308959 15

ER collet with seal Nominal clamping Ø d 5 mm	308946 5
ER collet Nominal clamping Ø d 11 mm	308960 11
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309413 4,5
ER collet with seal Nominal clamping Ø d 16 mm	308959 16
ER collet with seal Nominal clamping Ø d 10 mm	308946 10
Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER collet with seal Nominal clamping Ø d 15 mm	308946 15
ER chuck key 1/2 inch socket for ER collet chuck 25	309700 25
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309409 9
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309411 8
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309411 9
ER collet Nominal clamping Ø d 15 mm	308960 15
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet with seal and spray nozzles Nominal clamping Ø d 11 mm	308962 11
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 7 mm	309447 7
ER collet Nominal clamping Ø d 14 mm	308960 14
ER collet set 7 pieces 4–16 mm with seal	309022
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet with seal Nominal clamping Ø d 13 mm	308959 13
Pull stud Form B suitable for steep tapers 50	308640 50
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet with seal Nominal clamping Ø d 14 mm	308959 14

ER collet with seal Nominal clamping Ø d 16 mm	308946 16
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308962 4
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309447 4,5
ER collet with seal Nominal clamping Ø d 7 mm	308946 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309413 8
ER collet Nominal clamping Ø d 12 mm	308960 12
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309409 8
ER collet Nominal clamping Ø d 8 mm	308941 8
ER collet with seal Nominal clamping Ø d 3 mm	308946 3
ER collet with seal and spray nozzles Nominal clamping Ø d 16 mm	308962 16
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309430 7
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309411 11
ER collet with seal and spray nozzles Nominal clamping Ø d 12 mm	308962 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309430 6
ER collet set 15 pieces 2–16 mm	309240
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309409 10
ER collet Nominal clamping Ø d 5 mm	308960 5
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309411 4,5
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50

ER collet Nominal clamping Ø d 5 mm	308941 5
ER collet Nominal clamping Ø d 12 mm	308941 12
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 8 mm	309447 8
ER collet with seal Nominal clamping Ø d 12 mm	308959 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309430 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309447 3,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309430 4,5
ER collet set 15 pieces 2–16 mm with seal and spray nozzles	309245
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309409 16
ER collet Nominal clamping Ø d 16 mm	308960 16
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309447 4
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309409 14
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309411 10
ER collet Nominal clamping Ø d 3 mm	308960 3
ER collet set 15 pieces 2–16 mm with seal	309244
ER collet Nominal clamping Ø d 2 mm	308941 2
ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm	308962 6
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309411 12
ER collet with seal Nominal clamping Ø d 9 mm	308959 9
ER collet with seal Nominal clamping Ø d 3 mm	308959 3

ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 8 mm	308962 8
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
ER collet with seal Nominal clamping $\varnothing$ d 13 mm	308946 13
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 9 mm	309430 9
Pull stud sealed, form B suitable for steep tapers 50	308620 50
Pull stud Form A suitable for steep tapers 50	308600 50
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 7 mm	309409 7
ER collet Nominal clamping $\varnothing$ d 3 mm	308941 3
Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet Nominal clamping $\varnothing$ d 7 mm	308941 7
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
ER collet Nominal clamping $\varnothing$ d 9 mm	308941 9
ER collet with seal Nominal clamping $\varnothing$ d 11 mm	308946 11
ER collet with seal Nominal clamping $\varnothing$ d 7 mm	308959 7
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 3 mm	308962 3
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 14 mm	309413 14
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 14 mm	308962 14
ER collet with seal Nominal clamping $\varnothing$ d 4 mm	308959 4
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 7 mm	309411 7
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 9 mm	309413 9
ER collet Nominal clamping $\varnothing$ d 16 mm	308941 16
	309447 6



ET collet with radial compensation for tapping and reaming Nominal clamping  $\varnothing$  d 6 mm

ER collet with seal Nominal clamping  $\varnothing$  d 10 mm

308959 10

ER collet with seal and spray nozzles Nominal clamping  $\varnothing$  d 13 mm

308962 13

ER collet for machine taps with seal Nominal clamping  $\varnothing$  d 12 mm

309409 12

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

308962 10

Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50

308605 50

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

309409 11