

**Garant**
**HiRunER precision ER collet chuck, SK 40 A = 100, for ER collet size: 32 ER**

**Order data**

Order number	300643 32
GTIN	4045197771568
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

External Ø D	52 mm
for ER collets	32
Clamping range	2 - 20 mm
Spare ER clamping nut No. 309617	32
Adapter	SK 40 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 with seal Nominal clamping Ø d 20 mm	309001 20
ER collet Nominal clamping Ø d 10 mm	309000 10
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet with seal Nominal clamping Ø d 3 mm	309001 3
ER collet Nominal clamping Ø d 16 mm	308981 16
ER collet with seal Nominal clamping Ø d 4 mm	308986 4
ER collet with seal Nominal clamping Ø d 18 mm	309001 18
ER collet with seal Nominal clamping Ø d 13 mm	308986 13
	309002 16

ER collet with seal and spray nozzles Nominal clamping  $\varnothing$  d 16 mm

ER collet Nominal clamping $\varnothing$ d 10 mm	308981 10
ER collet Nominal clamping $\varnothing$ d 3 mm	308981 3
ER collet with seal Nominal clamping $\varnothing$ d 4 mm	309001 4
ER collet Nominal clamping $\varnothing$ d 12 mm	308981 12
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 11 mm	309416 11
ER collet with seal Nominal clamping $\varnothing$ d 10 mm	308986 10
ER collet with seal Nominal clamping $\varnothing$ d 7 mm	309001 7
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 9 mm	309432 9
ER collet set 15 pieces 2–16 mm	309240
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 12 mm	309414 12
ER collet Nominal clamping $\varnothing$ d 13 mm	309000 13
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 12 mm	309416 12
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 4,5 mm	309416 4,5
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 12 mm	309418 12
ER collet with seal Nominal clamping $\varnothing$ d 16 mm	309001 16
ER collet set 18 pieces 3–20 mm	309024
Pull stud sealed suitable for steep tapers 40	308660 40
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 14 mm	309448 14
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 4,5 mm	309414 4,5
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 11 mm	309418 11

ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 11 mm	309448 11
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 6 mm	309002 6
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 19 mm	309002 19
ER collet Nominal clamping $\varnothing$ d 12 mm	309000 12
ER collet Nominal clamping $\varnothing$ d 4 mm	308981 4
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 18 mm	309414 18
ER collet with seal Nominal clamping $\varnothing$ d 9 mm	309001 9
ER collet Nominal clamping $\varnothing$ d 19 mm	308981 19
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud Form B suitable for steep tapers 40	308640 40
ER collet set 18 pieces 3–20 mm	309280
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 13 mm	309002 13
ER collet Nominal clamping $\varnothing$ d 14 mm	309000 14
ER collet Nominal clamping $\varnothing$ d 5 mm	308981 5
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 12 mm	309002 12
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 10 mm	309448 10
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 10 mm	309002 10
ER collet Nominal clamping $\varnothing$ d 11 mm	308981 11
	309432 7

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

Pull stud Hurco 45° with bore and fit sealed suitable for  
steep tapers 40

308801 40

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

309001 12

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

309285

ER collet Nominal clamping  $\varnothing$  d 5 mm

309000 5

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 3 mm

309002 3

Pull stud Mazak sealed, form A suitable for steep tapers  
40M

308670 40M

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

309416 8

ER collet set 8 pieces 4–16, 20 mm with seal

309026

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

309416 9

ET collet with radial compensation for tapping and  
reaming Nominal clamping  $\varnothing$  d 4 mm

309448 4

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

309414 6

ER collet for machine taps with seal and spray nozzles  
Nominal clamping  $\varnothing$  d 6 mm

309418 6

ER collet with seal Nominal clamping  $\varnothing$  d 15 mm

309001 15

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

309001 13

ER collet Nominal clamping  $\varnothing$  d 8 mm

309000 8

ER collet for machine taps with seal and spray nozzles  
Nominal clamping  $\varnothing$  d 14 mm

309418 14

ER collet Nominal clamping  $\varnothing$  d 6 mm

309000 6

ER collet with seal Nominal clamping  $\varnothing$  d 16 mm

308986 16

ER collet Nominal clamping  $\varnothing$  d 4 mm

309000 4

ER collet with seal Nominal clamping Ø d 6 mm	308986 6
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309414 14
ER collet Nominal clamping Ø d 14 mm	308981 14
ER collet with seal Nominal clamping Ø d 20 mm	308986 20
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309416 18
ER collet Nominal clamping Ø d 17 mm	309000 17
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309432 10
ER collet Nominal clamping Ø d 18 mm	309000 18
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309414 11
ER collet Nominal clamping Ø d 3 mm	309000 3
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER chuck key for ER collet chuck 32	309680 32
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet with seal and spray nozzles Nominal clamping Ø d 20 mm	309002 20
ER collet with seal Nominal clamping Ø d 17 mm	309001 17
ER collet Nominal clamping Ø d 15 mm	309000 15
ER collet with seal and spray nozzles Nominal clamping Ø d 15 mm	309002 15
ER collet with seal Nominal clamping Ø d 3 mm	308986 3
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	309002 4
ER collet Nominal clamping Ø d 15 mm	308981 15
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 9 mm	309448 9
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309414 7
ER collet Nominal clamping Ø d 17 mm	308981 17

ER collet Nominal clamping Ø d 20 mm	309000 20
ER collet with seal Nominal clamping Ø d 17 mm	308986 17
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet with seal Nominal clamping Ø d 18 mm	308986 18
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309416 20
ER collet Nominal clamping Ø d 9 mm	309000 9
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet with seal Nominal clamping Ø d 7 mm	308986 7
ER collet Nominal clamping Ø d 7 mm	308981 7
ER collet with seal Nominal clamping Ø d 10 mm	309001 10
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309416 16
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309414 9
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm	309418 10
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 6 mm	309416 6
ER collet Nominal clamping Ø d 9 mm	308981 9
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 11 mm	309432 11
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309448 5
	309414 8

ER collet for machine taps with seal Nominal clamping Ø d 8 mm	
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309414 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309418 9
Pull stud 90° sealed suitable for steep tapers 40	308790 40
ER collet with seal Nominal clamping Ø d 5 mm	309001 5
ER collet Nominal clamping Ø d 6 mm	308981 6
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull stud Form A suitable for steep tapers 40	308600 40
ER collet Nominal clamping Ø d 13 mm	308981 13
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309432 6
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ER collet with seal and spray nozzles Nominal clamping Ø d 14 mm	309002 14
ER collet with seal and spray nozzles Nominal clamping Ø d 11 mm	309002 11
ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	309002 9
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	309002 7
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	309002 8
ER chuck key for ER collet chuck 40	309680 40
ER collet with seal Nominal clamping Ø d 19 mm	309001 19
ER collet Nominal clamping Ø d 16 mm	309000 16
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309414 20



ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 18 mm	309418 18
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309418 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309418 4,5
ER collet with seal and spray nozzles Nominal clamping Ø d 17 mm	309002 17
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309448 4,5
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309416 7
ER collet Nominal clamping Ø d 19 mm	309000 19
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 8 mm	309448 8
ER collet Nominal clamping Ø d 11 mm	309000 11
ER collet with seal Nominal clamping Ø d 9 mm	308986 9
ER collet set 18 pieces 3–20 mm with seal	309284
ER collet with seal Nominal clamping Ø d 11 mm	309001 11
ER collet with seal and spray nozzles Nominal clamping Ø d 18 mm	309002 18
ER collet Nominal clamping Ø d 20 mm	308981 20
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309416 10
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER collet with seal Nominal clamping Ø d 19 mm	308986 19
ER collet with seal Nominal clamping Ø d 6 mm	309001 6
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 12 mm	309448 12

ER collet with seal Nominal clamping Ø d 12 mm	308986 12
ER collet with seal Nominal clamping Ø d 14 mm	308986 14
ER collet with seal Nominal clamping Ø d 15 mm	308986 15
ER collet with seal Nominal clamping Ø d 11 mm	308986 11
Pull stud sealed, form B suitable for steep tapers 40	308650 40
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 14 mm	309001 14
ER collet Nominal clamping Ø d 7 mm	309000 7
Pull stud stud sealed, form A suitable for steep tapers 40	308610 40
ER collet with seal Nominal clamping Ø d 8 mm	309001 8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm	309418 16
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm	309432 8
ER collet with seal Nominal clamping Ø d 8 mm	308986 8
ER chuck key 1/2 inch socket for ER collet chuck 32	309700 32
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309418 7
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm	309432 12
Pull stud 90° sealed suitable for steep tapers 40	308795 40
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 7 mm	309448 7
ER collet Nominal clamping Ø d 18 mm	308981 18
ER collet Nominal clamping Ø d 8 mm	308981 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309448 6
	309432 4,5

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

---