

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


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 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

External Ø D	52 mm
for ER collets	32
Overhang dimension A	100 mm
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

Pull stud sealed, form B suitable for steep tapers 40	308620 40
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 13 mm	308986 13
ER collet Nominal clamping Ø d 10 mm	308981 10
ER collet Nominal clamping Ø d 3 mm	308981 3
ER collet Nominal clamping Ø d 12 mm	308981 12

Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet with seal Nominal clamping Ø d 10 mm	308986 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309432 9
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309414 12
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309418 12
ER collet set 18 pieces 3–20 mm	309024
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309414 4,5
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 for machine taps with seal Nominal clamping Ø d 18 mm	309414 18
ER collet Nominal clamping Ø 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 Nominal clamping Ø 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
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet Nominal clamping Ø d 11 mm	308981 11
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309432 7
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40

Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet set 8 pieces 4–16, 20 mm with seal	309026
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309414 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309418 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm	309418 14
ER collet with seal Nominal clamping Ø d 16 mm	308986 16
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
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm	309432 10
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309414 11
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 Nominal clamping Ø d 3 mm	308986 3
ER collet Nominal clamping Ø d 15 mm	308981 15
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 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
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 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 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
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 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 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 chuck key for ER collet chuck 40	309680 40

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 Nominal clamping Ø d 9 mm	308986 9
ER collet Nominal clamping Ø d 20 mm	308981 20
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 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
Pull stud sealed, form A suitable for steep tapers 40	308610 40
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
ER collet Nominal clamping Ø d 18 mm	308981 18
ER collet Nominal clamping Ø d 8 mm	308981 8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309432 4,5