

Garant
HiRunER precision ER collet chuck, SK 40 A = 100, for ER collet size: 16


Order data

Order number	300643 16
GTIN	4045197771544
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: 0.5 - 10 mm

Overhang dimension A: 100 mm
 External Ø D: 34 mm
 Spare ER clamping nut No. 309617: 16

Technical description

for ER collets	16
Clamping range	0.5 - 10 mm
Overhang dimension A	100 mm
Spare ER clamping nut No. 309617	16
External Ø D	34 mm
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 Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER chuck key for ER collet chuck 40	309680 40
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
	309402 6

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

ER collet Nominal clamping Ø d 3 mm	308901 3
ER collet Nominal clamping Ø d 1 mm	308901 1
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8
ER collet with seal Nominal clamping Ø d 5 mm	308906 5
ER collet set 10 pieces 1–10 mm	309012
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ER collet Nominal clamping Ø d 10 mm	308901 10
Pull stud 90° sealed suitable for steep tapers 40	308795 40
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
ER collet Nominal clamping Ø d 6 mm	308901 6
Pull stud Form B suitable for steep tapers 40	308640 40
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet Nominal clamping Ø d 7 mm	308901 7
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309402 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5

Pull stud sealed suitable for steep tapers 40	308660 40
ER collet Nominal clamping Ø d 5 mm	308901 5
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
ER chuck key 1/2 inch 25AF for ER collet chuck 16	309720 16
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet with seal Nominal clamping Ø d 8 mm	308906 8
ER collet with seal Nominal clamping Ø d 3 mm	308906 3
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
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 3,5 mm	309404 3,5
Pull stud sealed, form A suitable for steep tapers 40	308610 40
ER collet Nominal clamping Ø d 9 mm	308901 9
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
Pull stud sealed suitable for steep tapers 40	308635 40
ER collet with seal Nominal clamping Ø d 10 mm	308906 10
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40

Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet Nominal clamping Ø d 4 mm	308901 4
ER chuck key for ER collet chuck 16	309680 16
Wrench for ER Mini nuts for ER collet chuck 16	309740 16
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5
ER chuck key 1/2 inch socket for ER collet chuck 16	309700 16
Pull stud Form A suitable for steep tapers 40	308600 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
Torque insert for ER Mini nuts for ER collet chuck 16	309745 16
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet Nominal clamping Ø d 8 mm	308901 8
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER collet with seal Nominal clamping Ø d 9 mm	308906 9