

Garant

HiRunER precision ER collet chuck, SK 40 A = 70, for ER collet size: 16 ER



Order data

Order number	300642 16
GTIN	4045197771506
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: HSC

Clamping range: 0.5 - 10 mm

External Ø D: 34 mm
Spare ER clamping nut No. 309617: 16

Technical description

External Ø D	34 mm
Clamping range	0.5 - 10 mm
Spare ER clamping nut No. 309617	16
for ER collets	16
Adapter	SK 40 A = 70
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	HPC
Machining strategy	HSC
Balluffchip bore	yes
Type of product	Collet chuck

Accessories

ER chuck key 1/2 inch socket for ER collet chuck 16	309700 16
Torque insert for ER mini-nuts for ER collet chuck 16	309745 16
ER collet Nominal clamping Ø d 9 mm	308901 9
ER collet with seal Nominal clamping Ø d 4 mm	308921 4
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8

Pull stud 90° sealed suitable for steep tapers 40	308795 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309445 6
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309403 6
ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm	308922 9
ER collet set 10 pieces 1–10 mm	309012
ER collet Nominal clamping Ø d 1 mm	308920 1
ER collet Nominal clamping Ø d 2 mm	308920 2
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309445 3,5
ER collet with seal Nominal clamping Ø d 3 mm	308921 3
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
Pull stud Form A suitable for steep tapers 40	308600 40
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
Wrench for ER Mini nuts for ER collet chuck 16	309740 16
Pull stud sealed suitable for steep tapers 40	308635 40
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	308922 3
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet Nominal clamping Ø d 7 mm	308920 7
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309403 8
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40

ER chuck key for ER collet chuck 16	309680 16
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
Pull stud Form B suitable for steep tapers 40	308640 40
ER collet Nominal clamping Ø d 10 mm	308901 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2,8 mm	309445 2,8
ER collet set 15 pieces 2–16 mm	309240
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ER chuck key for ER collet chuck 40	309680 40
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	308922 8
ER collet with seal Nominal clamping Ø d 8 mm	308921 8
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet set 10 pieces 1–10 mm with seal	309164
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet with seal Nominal clamping Ø d 7 mm	308921 7
ER collet with seal Nominal clamping Ø d 5 mm	308921 5
Pull stud sealed suitable for steep tapers 40	308660 40
Pull stud Mazak sealed, form A suitable for steep tapers 40M	308670 40M
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm	309404 3,5
ER collet Nominal clamping Ø d 8 mm	308901 8
ER collet with seal Nominal clamping Ø d 5 mm	308906 5
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet with seal Nominal clamping Ø d 9 mm	308921 9
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet Nominal clamping Ø d 5 mm	308920 5
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
ER collet Nominal clamping Ø d 10 mm	308920 10
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309402 6
ER collet Nominal clamping Ø d 6 mm	308901 6
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309445 4,5
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309403 4
ER collet with seal Nominal clamping Ø d 8 mm	308906 8
ER collet with seal Nominal clamping Ø d 6 mm	308921 6
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309445 4
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309403 2,8
ER collet Nominal clamping Ø d 8 mm	308920 8
ER collet Nominal clamping Ø d 4 mm	308901 4
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
	309425 3,5

ET collet for thread tapping, with axial compensation
Nominal clamping Ø d 3,5 mm

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

309403 4,5

ER collet Nominal clamping Ø d 7 mm

308901 7

ER collet set 10 pieces 1–10 mm with seal and spray
nozzles

309165

Special pull stud with no internal thread sealed suitable for
steep tapers 40

308700 40

Pull stud, 18CrNiMo7 sealed, form B suitable for steep
tapers 40

308615 40

ER collet with seal Nominal clamping Ø d 6 mm

308906 6

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

309402 9

Torque insert for Pull studs to SO 7388 suitable for ISO
taper size 40

308812 40

ET collet for thread tapping, with axial compensation
Nominal clamping Ø d 2,8 mm

309425 2,8

ET collet with radial compensation for tapping and
reaming Nominal clamping Ø d 2 mm

309445 2

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

308922 6

ET collet with radial compensation for tapping and
reaming Nominal clamping Ø d 3 mm

309445 3

ER collet with seal Nominal clamping Ø d 9 mm

308906 9

ER chuck key 1/2 inch 25AF for ER collet chuck 16

309720 16

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

308801 40

ER collet with seal Nominal clamping Ø d 3 mm

308906 3

ER collet Nominal clamping Ø d 1 mm

308901 1

ER collet Nominal clamping Ø d 3 mm

308920 3

ER collet for machine taps with seal Nominal clamping Ø d
3,5 mm

309403 3,5

309404 8

ER collet for machine taps with seal and spray nozzles
Nominal clamping \varnothing d 8 mm

ER collet Nominal clamping \varnothing d 3 mm	308901 3
Pull stud stud sealed, form A suitable for steep tapers 40	308610 40
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
ER collet with seal Nominal clamping \varnothing d 10 mm	308921 10
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309403 9
ER collet for machine taps with seal Nominal clamping \varnothing d 4,5 mm	309402 4,5
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
Pull stud 90° sealed suitable for steep tapers 40	308790 40
ER collet with seal Nominal clamping \varnothing d 10 mm	308906 10
ER collet with seal and spray nozzles Nominal clamping \varnothing d 10 mm	308922 10
ER collet Nominal clamping \varnothing d 4 mm	308920 4
ER collet Nominal clamping \varnothing d 9 mm	308920 9
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet with seal and spray nozzles Nominal clamping \varnothing d 7 mm	308922 7
ER collet Nominal clamping \varnothing d 5 mm	308901 5
ER collet Nominal clamping \varnothing d 2 mm	308901 2
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 6 mm	309404 6
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 5 mm	309445 5
ER collet Nominal clamping \varnothing d 6 mm	308920 6

ER collet set 10 pieces 1–10 mm

309160

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

309403 7