

## Garant

### ER collet chuck Form ADB, SK 40 A = 70, for ER collet size: 16



#### Order data

Order number	300470 16
GTIN	4045197284648
Item class	31A

#### Description

##### Version:

Taper ground internally and externally. With Balluff/RFID chip bore.

##### GARANT –

- **Balancing quality G2.5 / 25,000 rpm**
- **All shanks hard turned (for smooth running!).**
- **GARANT precision clamping nut, fine balanced (G 2.5 / 25,000 rpm) and coated, giving high clamping force and low wear.**
- **Through bored.**

##### Application:

For clamping tools with plain shank in collets to DIN 6499 - Form A and B.

##### Supplied with:

Clamping nut

##### Optional extras:

Pull studs (PS) No. 308600 – 308806, PS pull stud wrenches No.308820 – 308835, ER chuck key No. 309680 – 613300, ER collets No. 308901 – 309449, ER clamping nuts No. 309615 (for sealing rings), sealing rings No. 309625 – 309645 (for No. 309615).

#### Technical description

Spare GARANT high-speed clamping nut No. 309610	16
Clamping range	0.5 - 10 mm
for ER collets	16

Spare HOLEX nut No. 309580	16
Overhang dimension A	70 mm
External Ø D	28 mm
Clamping Ø D <sub>1</sub>	0.5-16 mm
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	HSC
Balluffchip bore	yes
Type of product	Collet chuck

## Accessories

ER collet HP Nominal clamping Ø d 7 mm	309370 7
Pull stud 90°sealed suitable for steep tapers 40	308795 40
ER collet HP Nominal clamping Ø d 9 mm	309370 9
ER collet HPwith seal Nominal clamping Ø d 5 mm	309371 5
ER collet HP Nominal clamping Ø d 5 mm	309370 5
Pull stud 45°sealed suitable for steep tapers 40	308765 40
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
ER colletwith seal Nominal clamping Ø d 3 mm	308921 3
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
ER colletwith seal Nominal clamping Ø d 4 mm	308921 4
ER clamping nut for ER 16	309580 16
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309445 4,5

ER collet Nominal clamping Ø d 1 mm	308901 1
ER collet Nominal clamping Ø d 7 mm	308920 7
ER colletwith seal Nominal clamping Ø d 8 mm	308906 8
ER collet HP Nominal clamping Ø d 8 mm	309370 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309445 3,5
ER colletwith seal Nominal clamping Ø d 5 mm	308921 5
ER collet HP Nominal clamping Ø d 10 mm	309370 10
ER collet Nominal clamping Ø d 9 mm	308920 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309445 6
Pull stud 45°sealed suitable for steep tapers 40	308760 40
ER collet set 15 pieces 2–16 mm	309240
ER clamping nutfor HiRunER collet chucks for ER 40	309617 40
ER collet Nominal clamping Ø d 4 mm	308920 4
Pull stud 90°sealed suitable for steep tapers 40	308790 40
Torque insert for ER Mini nuts for ER collet chuck 16	309745 16
ER collet for machine tapswith seal Nominal clamping Ø d 3,5 mm	309402 3,5
Pull studMori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8
ER collet for machine tapswith seal Nominal clamping Ø d 4,5 mm	309403 4,5
ER clamping nut for ER 40	309580 40
Pull stud, 18CrNiMo7sealed, form B suitable for steep tapers 40	308615 40
ER colletwith seal and spray nozzles Nominal clamping Ø d 7 mm	308922 7

ER collet Nominal clamping Ø d 2 mm	308920 2
ER collet set 10 pieces 1–10 mm with seal	309164
ER collet HP Nominal clamping Ø d 3 mm	309370 3
ER collet Nominal clamping Ø d 7 mm	308901 7
ER collet HP with seal Nominal clamping Ø d 10 mm	309371 10
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
ER collet with seal Nominal clamping Ø d 6 mm	308921 6
ER collet Nominal clamping Ø d 5 mm	308901 5
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ER collet with seal Nominal clamping Ø d 9 mm	308906 9
ER collet Nominal clamping Ø d 1 mm	308920 1
Pull stud Form B suitable for steep tapers 40	308640 40
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 4 mm	309403 4
ER collet set 10 pieces 1–10 mm	309160
ER collet HP with seal Nominal clamping Ø d 6 mm	309371 6
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 3,5 mm	309404 3,5
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309403 2,8
ER collet with seal Nominal clamping Ø d 10 mm	308921 10
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ER collet HP with seal Nominal clamping Ø d 8 mm	309371 8
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER clamping nut for HiRun ER collet chucks for ER 16	309617 16

ER colletwith seal Nominal clamping Ø d 10 mm	308906 10
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
ER collet for machine tapswith seal Nominal clamping Ø d 9 mm	309403 9
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER collet HP Nominal clamping Ø d 1 mm	309370 1
ER colletwith seal Nominal clamping Ø d 6 mm	308906 6
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 6 mm	309372 6
ER collet set HP(3; 4; 5; 6; 8; 10mm), 426 E	309390
ER plain bearing clamping nut for ER 16	309612 16
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER colletwith seal Nominal clamping Ø d 5 mm	308906 5
ER collet HP Nominal clamping Ø d 6 mm	309370 6
ER collet HPwith seal Nominal clamping Ø d 7 mm	309371 7
ER collet Nominal clamping Ø d 8 mm	308901 8
ER plain bearing clamping nut for ER 40	309612 40
ER collet for machine tapswith seal and spray nozzles Nominal clamping Ø d 6 mm	309404 6
ER colletwith seal Nominal clamping Ø d 3 mm	308906 3
ER colletwith seal and spray nozzles Nominal clamping Ø d 8 mm	308922 8
ER colletwith seal and spray nozzles Nominal clamping Ø d 10 mm	308922 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2 mm	309445 2
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER colletwith seal Nominal clamping Ø d 9 mm	308921 9

Pull studsealed suitable for steep tapers 40	308635 40
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309403 6
ER collet Nominal clamping Ø d 9 mm	308901 9
Pull studMazak, form A suitable for steep tapers 40M	308670 40M
ER collet Nominal clamping Ø d 3 mm	308901 3
Wrench for pull studsDIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
ER collet HP Nominal clamping Ø d 4 mm	309370 4
Pull stud, 18CrNiMo7Form A suitable for steep tapers 40	308605 40
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet for machine tapswith seal Nominal clamping Ø d 3,5 mm	309403 3,5
ER clamping nutHigh Speed for ER 40	309610 40
ER collet set 10 pieces 1–10 mmwith seal and spray nozzles	309165
ER collet Nominal clamping Ø d 4 mm	308901 4
ER colletwith seal Nominal clamping Ø d 7 mm	308906 7
ER collet HPwith seal Nominal clamping Ø d 9 mm	309371 9
ER collet HPwith seal Nominal clamping Ø d 4 mm	309371 4
Single open ended spanner Width across flats 25 mm	613300 25
Pull studsealed suitable for steep tapers 40	308660 40
ER colletwith seal Nominal clamping Ø d 7 mm	308921 7
ER collet for machine tapswith seal Nominal clamping Ø d 9 mm	309402 9
ER clamping nutHigh Speed for ER 16	309610 16
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mmwith seal	309014
ER collet Nominal clamping Ø d 3 mm	308920 3
ER collet HP Nominal clamping Ø d 2 mm	309370 2
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 8 mm	309372 8
	309445 2,8

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2,8 mm	
ER collet for machine tapwith seal Nominal clamping Ø d 4,5 mm	309402 4,5
Pull studsealed, form B suitable for steep tapers 40	308650 40
ER colletwith seal Nominal clamping Ø d 8 mm	308921 8
ER collet for machine tapwith seal Nominal clamping Ø d 2,8 mm	309402 2,8
Special pull stud with no internal threadsealed suitable for steep tapers 40	308700 40
ER collet Nominal clamping Ø d 6 mm	308901 6
Pull studsealed, form B suitable for steep tapers 40	308620 40
ER collet set 10 pieces 1–10 mm	309012
ER collet for machine tapwith seal Nominal clamping Ø d 8 mm	309402 8
ER colletwith seal and spray nozzles Nominal clamping Ø d 3 mm	308922 3
ER colletwith seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet Nominal clamping Ø d 5 mm	308920 5
Hurco 45° pull stud with 4-mm bore and fitsealed suitable for steep tapers 40	308801 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3 mm	309445 3
Wrench for pull studsISO 7388 suitable for ISO taper size 40	308830 40
Pull studMori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ER collet Nominal clamping Ø d 10 mm	308901 10
ER collet for machine tapwith seal Nominal clamping Ø d 8 mm	309403 8
ER collet HPwith seal Nominal clamping Ø d 3 mm	309371 3
ER colletwith seal and spray nozzles Nominal clamping Ø d 9 mm	308922 9

ER collet set HPwith seal (3; 4; 5; 6; 8; 10mm), 425 E	309391
ER collet Nominal clamping Ø d 8 mm	308920 8
ER colletwith seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet for machine tapswith seal Nominal clamping Ø d 7 mm	309403 7
Pull stud Hurco 45° with fitsealed suitable for steep tapers 40	308802 40
ER collet HPwith seal and spray nozzles Nominal clamping Ø d 4 mm	309372 4
ER colletwith 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 5 mm	309445 5
ER collet Nominal clamping Ø d 10 mm	308920 10
ER collet Nominal clamping Ø d 6 mm	308920 6
Pull stud 60°sealed suitable for steep tapers 40	308785 40
Pull studsealed, form A suitable for steep tapers 40	308610 40
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309402 6