

Garant
ER collet chuck Form ADB, SK 50 A = 160, for ER collet size: 16

Order data

Order number	300610 16
GTIN	4045197284921
Item class	31A

Description
Version:

Taper ground internally and externally. With Balluffchip 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).

Machining strategy: HSC

Clamping range: 0.5 - 10 mm

External Ø D: 28 mm

Spare GARANT high-speed clamping nut No. 309610: 16

Spare HOLEX nut No. 309580: 16

Technical description

for ER collets	16
Spare GARANT high-speed clamping nut No. 309610	16
Clamping range	0.5 - 10 mm
Spare HOLEX nut No. 309580	16
External Ø D	28 mm
Adapter	SK 50 A = 160
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

ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
ER collet with seal Nominal clamping Ø d 5 mm	308906 5
ER collet with seal Nominal clamping Ø d 6 mm	308921 6
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309402 6
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet Nominal clamping Ø d 2 mm	308920 2
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5
ER collet Nominal clamping Ø d 4 mm	308920 4

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309445 5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm	309404 7
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309445 4
ER collet with seal Nominal clamping Ø d 9 mm	308921 9
ER collet Nominal clamping Ø d 4 mm	308901 4
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
ER clamping nut for HiRunER collet chucks for ER 16	309617 16
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet with seal Nominal clamping Ø d 8 mm	308921 8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER collet Nominal clamping Ø d 9 mm	308901 9
ER collet Nominal clamping Ø d 3 mm	308901 3
ER collet set 10 pieces 1–10 mm	309160
ER collet Nominal clamping Ø d 6 mm	308920 6
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
ER collet with seal Nominal clamping Ø d 4 mm	308906 4
ER collet Nominal clamping Ø d 5 mm	308901 5
ER collet Nominal clamping Ø d 9 mm	308920 9
ER collet Nominal clamping Ø d 1 mm	308901 1
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309445 3,5
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet with seal Nominal clamping Ø d 3 mm	308921 3
ER collet with seal Nominal clamping Ø d 5 mm	308921 5
ER collet with seal Nominal clamping Ø d 7 mm	308921 7

ER collet with seal and spray nozzles Nominal clamping \varnothing d 3 mm	308922 3
ET collet with radial compensation for tapping and reaming Nominal clamping \varnothing d 6 mm	309445 6
Pull stud Form A suitable for steep tapers 50	308600 50
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet with seal Nominal clamping \varnothing d 8 mm	308906 8
ER collet for machine taps with seal Nominal clamping \varnothing d 4 mm	309403 4
ER collet with seal and spray nozzles Nominal clamping \varnothing d 6 mm	308922 6
Torque insert for ER mini-nuts for ER collet chuck 16	309745 16
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 3,5 mm	309404 3,5
ER collet Nominal clamping \varnothing d 5 mm	308920 5
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet set 10 pieces 1–10 mm with seal and spray nozzles	309165
ER collet for machine taps with seal and spray nozzles Nominal clamping \varnothing d 6 mm	309404 6
ER clamping nut for ER 16	309580 16
ER collet Nominal clamping \varnothing d 10 mm	308901 10
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
ER collet with seal Nominal clamping \varnothing d 10 mm	308921 10
ER plain bearing clamping nut for ER 16	309612 16
ER collet with seal and spray nozzles Nominal clamping \varnothing d 9 mm	308922 9
ER collet for machine taps with seal Nominal clamping \varnothing d 9 mm	309403 9
ER collet with seal Nominal clamping \varnothing d 4 mm	308921 4
ER collet Nominal clamping \varnothing d 2 mm	308901 2

ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309402 9
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309403 4,5
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet Nominal clamping Ø d 10 mm	308920 10
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309403 7
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309403 8
Pull stud 45° sealed suitable for steep tapers 50	308760 50
Pull stud sealed suitable for steep tapers 50	308660 50
ER clamping nut High Speed for ER 16	309610 16
ER collet Nominal clamping Ø d 7 mm	308901 7
ER collet Nominal clamping Ø d 1 mm	308920 1
ER collet Nominal clamping Ø d 7 mm	308920 7
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet with seal and spray nozzles Nominal clamping Ø d 8 mm	308922 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
ER collet with seal Nominal clamping Ø d 3 mm	308906 3
ER collet Nominal clamping Ø d 8 mm	308920 8
ER collet with seal Nominal clamping Ø d 10 mm	308906 10

ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309403 2,8
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309404 8
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet Nominal clamping Ø d 3 mm	308920 3
Single open ended spanner Width across flats 25 mm	613300 25
ER collet set 10 pieces 1–10 mm with seal	309164
ER collet with 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 3 mm	309445 3
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ER collet set 10 pieces 1–10 mm	309012
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309403 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	308922 7
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2,8 mm	309445 2,8
ER collet Nominal clamping Ø d 6 mm	308901 6
Pull stud 45° sealed suitable for steep tapers 50	308765 50
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50

Pull stud 90° sealed suitable for steep tapers 50	308795 50
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309403 3,5
ER collet Nominal clamping Ø d 8 mm	308901 8
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2 mm	309445 2
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309445 4,5
Pull stud 60° sealed suitable for steep tapers 50	308785 50
Pull stud Form B suitable for steep tapers 50	308640 50
ER collet with seal Nominal clamping Ø d 9 mm	308906 9