

**Garant**
**ER collet chuck Form ADB, SK 50 A = 160, for ER collet size: 32**

**Order data**

Order number	300610 32
GTIN	4045197284945
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).

Machining strategy: HSC

Clamping range: 2 - 20 mm

Overhang dimension A: 160 mm

External Ø D: 50 mm

Spare GARANT high-speed clamping nut No. 309610: 32

Spare HOLEX nut No. 309580: 32

## Technical description

Spare GARANT high-speed clamping nut No. 309610	32
for ER collets	32
Overhang dimension A	160 mm
Spare HOLEX nut No. 309580	32
Clamping range	2 - 20 mm
External $\varnothing$ D	50 mm
Clamping $\varnothing$ D <sub>1</sub>	2-20 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	$\leq 3 \mu\text{m}$
Machining strategy	HSC
Balluffchip bore	yes
Type of product	Collet chuck

## Accessories

ER collet Nominal clamping $\varnothing$ d 3 mm	309000 3
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 17 mm	309002 17
ER collet with seal Nominal clamping $\varnothing$ d 9 mm	308986 9
ER collet with seal Nominal clamping $\varnothing$ d 3 mm	308986 3
ER collet Nominal clamping $\varnothing$ d 6 mm	308981 6
Pull stud sealed, form A suitable for steep tapers 50	308610 50
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 9 mm	309416 9
	309418 7

ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 7 mm	
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 6 mm	309432 6
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 12 mm	309448 12
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 10 mm	309418 10
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 8 mm	309448 8
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 8 mm	309414 8
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 13 mm	309002 13
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 8 mm	309432 8
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 9 mm	309448 9
ER collet with seal Nominal clamping $\varnothing$ d 17 mm	309001 17
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 20 mm	309414 20
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 4 mm	309448 4
ER collet with seal Nominal clamping $\varnothing$ d 19 mm	309001 19
ER collet with seal Nominal clamping $\varnothing$ d 3 mm	309001 3
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 9 mm	309002 9
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 11 mm	309448 11
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50

ER collet Nominal clamping $\varnothing$ d 17 mm	309000 17
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 11 mm	309418 11
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 7 mm	309416 7
ER collet Nominal clamping $\varnothing$ d 16 mm	308981 16
ER collet with seal Nominal clamping $\varnothing$ d 20 mm	308986 20
ER collet with seal Nominal clamping $\varnothing$ d 5 mm	309001 5
ER collet with seal Nominal clamping $\varnothing$ d 17 mm	308986 17
ER collet with seal Nominal clamping $\varnothing$ d 6 mm	308986 6
ER collet with seal Nominal clamping $\varnothing$ d 12 mm	309001 12
ER collet with seal Nominal clamping $\varnothing$ d 11 mm	308986 11
ER collet Nominal clamping $\varnothing$ d 17 mm	308981 17
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 6 mm	309002 6
ER collet Nominal clamping $\varnothing$ d 14 mm	308981 14
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 14 mm	309002 14
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 4,5 mm	309448 4,5
ER collet for machine taps with seal and spray nozzles Nominal clamping $\varnothing$ d 14 mm	309418 14
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 16 mm	309414 16
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 10 mm	309432 10
ET collet for thread tapping, with axial compensation Nominal clamping $\varnothing$ d 4,5 mm	309432 4,5
ER collet with seal Nominal clamping $\varnothing$ d 4 mm	308986 4
ER collet with seal Nominal clamping $\varnothing$ d 18 mm	308986 18
	309414 14

ER collet for machine taps with seal Nominal clamping Ø d 14 mm	
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	309002 3
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 11 mm	309432 11
ER collet with seal Nominal clamping Ø d 8 mm	308986 8
Pull stud 90° sealed suitable for steep tapers 50	308795 50
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 10 mm	309448 10
ER collet with seal and spray nozzles Nominal clamping Ø d 19 mm	309002 19
ER collet Nominal clamping Ø d 15 mm	308981 15
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm	309418 8
ER collet Nominal clamping Ø d 16 mm	309000 16
ER collet Nominal clamping Ø d 18 mm	308981 18
ER collet with seal Nominal clamping Ø d 5 mm	308986 5
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 18 mm	309418 18
ER collet with seal Nominal clamping Ø d 8 mm	309001 8
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309414 9
ER collet with seal Nominal clamping Ø d 13 mm	308986 13
ER collet Nominal clamping Ø d 20 mm	309000 20
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
ER collet Nominal clamping Ø d 7 mm	309000 7
ER collet with seal Nominal clamping Ø d 6 mm	309001 6
ER collet with seal Nominal clamping Ø d 10 mm	309001 10
ER collet with seal and spray nozzles Nominal clamping Ø d 10 mm	309002 10
ER collet Nominal clamping Ø d 10 mm	309000 10

ER collet Nominal clamping Ø d 12 mm	309000 12
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm	309418 16
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 20 mm	309418 20
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309416 11
ER collet Nominal clamping Ø d 11 mm	308981 11
ER collet with seal and spray nozzles Nominal clamping Ø d 11 mm	309002 11
ER collet set 18 pieces 3–20 mm	309024
ER collet with seal Nominal clamping Ø d 12 mm	308986 12
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm	309432 12
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309414 12
ER collet for machine taps with seal Nominal clamping Ø d 20 mm	309416 20
ER collet set 18 pieces 3–20 mm with seal	309284
ER collet set 18 pieces 3–20 mm with seal and spray nozzles	309285
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	309002 5
ER collet with seal Nominal clamping Ø d 4 mm	309001 4
ER collet Nominal clamping Ø d 11 mm	309000 11
ER collet for machine taps with seal Nominal clamping Ø d 18 mm	309416 18
ER collet set 8 pieces 4–16, 20 mm with seal	309026
ER collet with seal and spray nozzles Nominal clamping Ø d 20 mm	309002 20
ER collet with seal Nominal clamping Ø d 14 mm	308986 14
ER collet with seal Nominal clamping Ø d 11 mm	309001 11
	309414 11

ER collet for machine taps with seal Nominal clamping Ø d 11 mm

ER collet Nominal clamping Ø d 7 mm	308981 7
ER collet with seal Nominal clamping Ø d 18 mm	309001 18
ER collet Nominal clamping Ø d 6 mm	309000 6
ER collet Nominal clamping Ø d 4 mm	308981 4
ER collet Nominal clamping Ø d 19 mm	308981 19
ER collet with seal and spray nozzles Nominal clamping Ø d 16 mm	309002 16
ER clamping nut for HiRunER collet chucks for ER 32	309617 32
ER collet with seal Nominal clamping Ø d 7 mm	308986 7
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309448 5
ER collet with seal Nominal clamping Ø d 14 mm	309001 14
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309414 10
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	309002 7
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
ER collet Nominal clamping Ø d 13 mm	308981 13
ER plain bearing clamping nut for ER 32	309612 32
ER collet with seal Nominal clamping Ø d 9 mm	309001 9
ER collet with seal and spray nozzles Nominal clamping Ø d 12 mm	309002 12
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
ER collet with seal Nominal clamping Ø d 10 mm	308986 10
ER collet Nominal clamping Ø d 5 mm	309000 5
ER collet with seal Nominal clamping Ø d 16 mm	309001 16
Pull stud sealed, form B suitable for steep tapers 50	308650 50
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309416 10

ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309416 4,5
Pull stud 45° sealed suitable for steep tapers 50	308765 50
ER collet Nominal clamping Ø d 4 mm	309000 4
Pull stud Form A suitable for steep tapers 50	308600 50
ER clamping nut High Speed for ER 32	309610 32
Pull stud sealed suitable for steep tapers 50	308660 50
ER collet with seal Nominal clamping Ø d 13 mm	309001 13
ER collet Nominal clamping Ø d 5 mm	308981 5
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309414 7
Pull stud 60° sealed suitable for steep tapers 50	308785 50
Pull stud Form B suitable for steep tapers 50	308640 50
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm	309418 9
ER collet Nominal clamping Ø d 13 mm	309000 13
Pull stud sealed, form B suitable for steep tapers 50	308620 50
ER collet Nominal clamping Ø d 9 mm	309000 9
ER collet Nominal clamping Ø d 14 mm	309000 14
ER collet set 18 pieces 3–20 mm	309280
ER collet with seal Nominal clamping Ø d 15 mm	309001 15
ER collet Nominal clamping Ø d 10 mm	308981 10
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 7 mm	309448 7
ER collet Nominal clamping Ø d 18 mm	309000 18
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309418 4,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309432 7
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 9 mm	309432 9
ER collet with seal Nominal clamping Ø d 20 mm	309001 20



ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309416 8
ER collet Nominal clamping Ø d 20 mm	308981 20
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309448 6
ER collet with seal Nominal clamping Ø d 19 mm	308986 19
ER collet with seal Nominal clamping Ø d 15 mm	308986 15
ER collet Nominal clamping Ø d 19 mm	309000 19
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309416 14
ER collet Nominal clamping Ø d 12 mm	308981 12
ER collet Nominal clamping Ø d 8 mm	308981 8
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309416 16
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309414 4,5
ER clamping nut for ER 32	309580 32
ER collet with seal Nominal clamping Ø d 16 mm	308986 16
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309414 6
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309416 12
ER collet Nominal clamping Ø d 9 mm	308981 9
ER collet Nominal clamping Ø d 8 mm	309000 8
ER collet Nominal clamping Ø d 15 mm	309000 15
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm	309418 6
Pull stud 45° sealed suitable for steep tapers 50	308760 50
ER chuck key for ER collet chuck 32	309680 32
ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm	309418 12
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 14 mm	309448 14

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 18 mm	309414 18
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 15 mm	309002 15
Pull stud 90° sealed suitable for steep tapers 50	308790 50
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 4 mm	309002 4
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
ER collet Nominal clamping $\varnothing$ d 3 mm	308981 3
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 8 mm	309002 8
ER collet with seal Nominal clamping $\varnothing$ d 7 mm	309001 7
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 6 mm	309416 6
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 18 mm	309002 18