

**Garant**
**ER collet chuck mini / slim Form ADB, SK 40 A = 160, for ER collet size: 20 ER**


## Order data

Order number	300665 20
GTIN	4045197764300
Item class	31A

## Description

### Version:

Clamping nut fine balanced **for HSC**. ER11 through bored. Shanks hard turned (smooth cutting action!).

· **With Balluffchip bore as standard.**

### Application:

For clamping tools with plain shank to DIN 6499.

### Supplied with:

High speed ER mini nut No. 309650.

### Optional extras:

ER collets No. 308881 – 309434, ER lock wrench No. 309740.

Pull studs (PS) No. 308600 – 308806. PS chuck key No. 308820; 308830.

Machining strategy: HSC

Clamping range: 1 - 13 mm

External Ø D: 28 mm

Suitable chuck key No. 309740: 20

## Technical description

for ER collets	20 mm
Suitable chuck key No. 309740	20
Clamping range	1 - 13 mm
External Ø D	28 mm
Usable length L <sub>N</sub>	73 mm

Adapter	SK 40 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
Type of product	Collet chuck

## Accessories

ER collet Nominal clamping Ø d 1,5 mm	308911 1,5
ER collet with seal Nominal clamping Ø d 9 mm	308916 9
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309406 4
ER collet set 12 pieces 2–13 mm	309016
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet Nominal clamping Ø d 6 mm	308930 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309428 3,5
ER collet with seal Nominal clamping Ø d 5 mm	308916 5
ER collet Nominal clamping Ø d 10 mm	308911 10
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309406 7
ER collet Nominal clamping Ø d 8 mm	308911 8
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309406 10
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet with seal Nominal clamping Ø d 7 mm	308916 7

ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER chuck key for ER collet chuck 40	309680 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 3,5 mm	309446 3,5
ER collet Nominal clamping Ø d 1 mm	308930 1
Pull stud sealed suitable for steep tapers 40	308660 40
ER collet with seal Nominal clamping Ø d 6 mm	308916 6
Pull stud stud sealed, form A suitable for steep tapers 40	308610 40
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309406 3,5
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309406 9
ER collet Nominal clamping Ø d 1 mm	308911 1
ER collet Nominal clamping Ø d 7 mm	308911 7
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2,8 mm	309446 2,8
ER collet with seal Nominal clamping Ø d 10 mm	308916 10
Pull stud Mazak sealed, form A suitable for steep tapers 40M	308670 40M
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
ER collet with seal Nominal clamping Ø d 4 mm	308916 4
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40	308801 40
ER collet Nominal clamping Ø d 2 mm	308911 2
ER collet Nominal clamping Ø d 5 mm	308930 5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm	309428 7

ER collet Nominal clamping Ø d 8 mm	308930 8
ER collet Nominal clamping Ø d 3 mm	308911 3
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 8 mm	309446 8
Torque insert for ER mini-nuts for ER collet chuck 20	309745 20
Special pull stud with internal thread suitable for steep tapers 40	308740 40
ER collet Nominal clamping Ø d 4 mm	308911 4
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309406 6
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Wrench for ER Mini nuts for ER collet chuck 20	309740 20
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309428 2,8
ER collet Nominal clamping Ø d 11 mm	308930 11
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
ER collet Nominal clamping Ø d 13 mm	308930 13
ER collet set 12 pieces 2–13 mm	309200
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309406 8
ER collet with seal Nominal clamping Ø d 3 mm	308916 3
ER collet with seal Nominal clamping Ø d 8 mm	308916 8
ER collet Nominal clamping Ø d 2 mm	308930 2
ER collet Nominal clamping Ø d 9 mm	308930 9
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 7 mm	309446 7
Pull stud 60° sealed suitable for steep tapers 40	308785 40
ER collet Nominal clamping Ø d 13 mm	308911 13

ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309446 6
Pull stud 90° sealed suitable for steep tapers 40	308790 40
ER collet Nominal clamping Ø d 11 mm	308911 11
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	309428 4,5
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER collet Nominal clamping Ø d 7 mm	308930 7
ER collet Nominal clamping Ø d 12 mm	308930 12
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ER collet Nominal clamping Ø d 2,5 mm	308911 2,5
Pull stud Form B suitable for steep tapers 40	308640 40
ER collet with seal Nominal clamping Ø d 12 mm	308916 12
ER collet Nominal clamping Ø d 5 mm	308911 5
ER collet Nominal clamping Ø d 10 mm	308930 10
ER collet set 15 pieces 2–16 mm	309240
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309446 5
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm	309446 4
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309406 4,5
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309428 6
ER collet Nominal clamping Ø d 6 mm	308911 6

Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Pull stud Form A suitable for steep tapers 40	308600 40
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 3 mm	309446 3
ER collet Nominal clamping $\varnothing$ d 12 mm	308911 12
ER collet set 7 pieces 3, 4, 5, 6, 8, 10, 12 mm with seal	309018
ER collet with seal Nominal clamping $\varnothing$ d 11 mm	308916 11
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 4,5 mm	309446 4,5
ER collet Nominal clamping $\varnothing$ d 3 mm	308930 3
ER collet Nominal clamping $\varnothing$ d 4 mm	308930 4
ER collet Nominal clamping $\varnothing$ d 9 mm	308911 9