

**Garant**
**ER collet chuck mini / slim Form ADB, SK 40 A = 160, for ER collet size: 16**

**Order data**

Order number	300665 16
GTIN	4045197287809
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: 0.5 - 10 mm

External Ø D: 22 mm

Suitable chuck key No. 309740: 16

**Technical description**

Clamping range	0.5 - 10 mm
Suitable chuck key No. 309740	16
for ER collets	16 mm
External Ø D	22 mm
Usable length L <sub>N</sub>	80 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

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
ER collet Nominal clamping Ø d 2 mm	308901 2
ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm	308922 7
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
ER collet Nominal clamping Ø d 5 mm	308920 5
ER collet Nominal clamping Ø d 3 mm	308901 3
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309402 7
ER collet with seal Nominal clamping Ø d 9 mm	308906 9
ER collet Nominal clamping Ø d 8 mm	308901 8
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309402 8
Pull stud 90° sealed suitable for steep tapers 40	308790 40
ER collet Nominal clamping Ø d 4 mm	308920 4
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
ER collet Nominal clamping Ø d 10 mm	308901 10

ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm	309404 4,5
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm	309425 4,5
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 3 mm	308921 3
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309403 7
Pull stud 45° sealed suitable for steep tapers 40	308760 40
ER collet Nominal clamping Ø d 5 mm	308901 5
ER chuck key 1/2 inch socket for ER collet chuck 16	309700 16
ER collet Nominal clamping Ø d 1,5 mm	308901 1,5
ER collet with seal and spray nozzles Nominal clamping Ø d 10 mm	308922 10
Torque insert for ER mini-nuts for ER collet chuck 16	309745 16
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2 mm	309445 2
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 2,8 mm	309425 2,8
ER collet with seal Nominal clamping Ø d 9 mm	308921 9
ER collet with seal Nominal clamping Ø d 7 mm	308906 7
ER collet Nominal clamping Ø d 10 mm	308920 10
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309403 4,5
ER collet with seal Nominal clamping Ø d 10 mm	308906 10
ER collet with seal Nominal clamping Ø d 6 mm	308906 6
ER collet with seal Nominal clamping Ø d 8 mm	308906 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 5 mm	309445 5
	309403 8

ER collet for machine taps with seal Nominal clamping Ø d 8 mm

Pull stud sealed, form B suitable for steep tapers 40	308620 40
ER collet Nominal clamping Ø d 8 mm	308920 8
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309402 4,5
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4,5 mm	309445 4,5
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 9 mm	308901 9
ER collet set 10 pieces 1–10 mm with seal and spray nozzles	309165
ER collet Nominal clamping Ø d 2,5 mm	308901 2,5
ER collet Nominal clamping Ø d 3 mm	308920 3
Pull stud 60° sealed suitable for steep tapers 40	308785 40
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
ER collet Nominal clamping Ø d 9 mm	308920 9
Pull stud Form B suitable for steep tapers 40	308640 40
Pull stud sealed suitable for steep tapers 40	308660 40
ER chuck key for ER collet chuck 16	309680 16
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm	309425 6
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 6 mm	309402 6
ER collet with seal Nominal clamping Ø d 8 mm	308921 8
ER collet with seal Nominal clamping Ø d 4 mm	308921 4
ER collet set 10 pieces 1–10 mm	309160
ER collet set 15 pieces 2–16 mm	309240
	308740 40

Special pull stud with internal thread suitable for steep tapers 40

ER collet Nominal clamping $\varnothing$ d 7 mm	308920 7
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 9 mm	308922 9
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 3 mm	309445 3
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 2,8 mm	309445 2,8
Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40	308801 40
ER collet with seal Nominal clamping $\varnothing$ d 5 mm	308906 5
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 4 mm	309403 4
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
ER chuck key 1/2 inch socket for ER collet chuck 40	309700 40
Pull stud sealed suitable for steep tapers 40	308635 40
ER collet with seal and spray nozzles Nominal clamping $\varnothing$ d 8 mm	308922 8
ER collet with seal Nominal clamping $\varnothing$ d 5 mm	308921 5
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 9 mm	309402 9
ER collet for machine taps with seal Nominal clamping $\varnothing$ d 9 mm	309403 9
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
ET collet with radial compensation for tapping and reaming Nominal clamping $\varnothing$ d 3,5 mm	309445 3,5
Wrench for ER Mini nuts for ER collet chuck 16	309740 16
ER collet with seal Nominal clamping $\varnothing$ d 10 mm	308921 10
ER collet with seal Nominal clamping $\varnothing$ d 4 mm	308906 4

ER collet set 10 pieces 1–10 mm with seal	309164
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
ER collet with seal Nominal clamping Ø d 7 mm	308921 7
ER collet with seal Nominal clamping Ø d 3 mm	308906 3
ER collet Nominal clamping Ø d 4 mm	308901 4
ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm	308922 3
ER collet Nominal clamping Ø d 1 mm	308901 1
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309402 2,8
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309403 3,5
ER collet set 10 pieces 1–10 mm	309012
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
ER collet with seal and spray nozzles Nominal clamping Ø d 5 mm	308922 5
ER collet with seal and spray nozzles Nominal clamping Ø d 4 mm	308922 4
ER collet Nominal clamping Ø d 6 mm	308920 6
ER chuck key 1/2 inch 25AF for ER collet chuck 16	309720 16
ER collet with seal Nominal clamping Ø d 6 mm	308921 6
ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm	309403 2,8
ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal	309014
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
ER collet Nominal clamping Ø d 6 mm	308901 6
ER collet Nominal clamping Ø d 2 mm	308920 2
ER collet with seal and spray nozzles Nominal clamping Ø d 6 mm	308922 6

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 8 mm	309404 8
ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 6 mm	309445 6
ET collet for thread tapping, with axial compensation Nominal clamping Ø d 3,5 mm	309425 3,5
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Pull stud stud sealed, form A suitable for steep tapers 40	308610 40
ER collet for machine taps with seal Nominal clamping Ø d 4 mm	309402 4
ER collet Nominal clamping Ø d 1 mm	308920 1
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40
ER chuck key for ER collet chuck 40	309680 40
ER collet Nominal clamping Ø d 7 mm	308901 7
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309403 6
ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm	309402 3,5
Pull stud 90° sealed suitable for steep tapers 40	308795 40