



## ER collet chuck mini / slim Form AD, SK 40 A = 160, for ER collet size: 16



### Order data

|              |               |
|--------------|---------------|
| Order number | 300661 16     |
| GTIN         | 4062406422523 |
| Item class   | 32A           |

### 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

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

|                                       |                     |
|---------------------------------------|---------------------|
| Adapter                               | SK 40 A = 160       |
| Arbor standard                        | ISO 7388-1          |
| Shape                                 | AD                  |
| Balance quality G at rotational speed | G 6.3 at 18,000 rpm |
| Concentricity                         | ≤ 3 μm              |
| Machining strategy                    | HSC                 |
| Type of product                       | Collet chuck        |

## Accessories

|   |            |
|---|------------|
| ER collet with seal Nominal clamping Ø d 7 mm   | 308921 7   |
| Wrench for ER Mini nuts for ER collet chuck 16  | 309740 16  |
| ER collet for machine taps with seal and spray nozzles<br>Nominal clamping Ø d 6 mm       | 309404 6   |
| Pull stud sealed, form B suitable for steep tapers 40                                     | 308620 40  |
| ER collet Nominal clamping Ø d 1 mm   | 308901 1   |
| ER collet for machine taps with seal Nominal clamping Ø d<br>8 mm                         | 309403 8   |
| ET collet with radial compensation for tapping and<br>reaming Nominal clamping Ø d 2,8 mm | 309445 2,8 |
| ER collet Nominal clamping Ø d 8 mm   | 308920 8   |
| Pull stud 60° sealed suitable for steep tapers 40   | 308785 40  |
| Pull stud 90° sealed suitable for steep tapers 40   | 308795 40  |
| ER collet for machine taps with seal Nominal clamping Ø d<br>6 mm                         | 309403 6   |
| Pull stud, 18CrNiMo7 sealed, form B suitable for steep<br>tapers 40                       | 308615 40  |
| ET collet with radial compensation for tapping and<br>reaming Nominal clamping Ø d 4,5 mm | 309445 4,5 |
| ER collet for machine taps with seal and spray nozzles<br>Nominal clamping Ø d 8 mm       | 309404 8   |

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| ER collet Nominal clamping $\varnothing$ d 3 mm   | 308901 3   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping $\varnothing$ d 6 mm        | 309425 6   |
| ER collet with seal and spray nozzles Nominal clamping $\varnothing$<br>d 5 mm                        | 308922 5   |
| ET collet with radial compensation for tapping and<br>reaming Nominal clamping $\varnothing$ d 3,5 mm | 309445 3,5 |
| ER collet with seal Nominal clamping $\varnothing$ d 8 mm   | 308921 8   |
| Pull stud Form B suitable for steep tapers 40   | 308640 40  |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers<br>40                                  | 308625 40  |
| Pull stud sealed suitable for steep tapers 40   | 308660 40  |
| ET collet with radial compensation for tapping and<br>reaming Nominal clamping $\varnothing$ d 3 mm   | 309445 3   |
| Pull stud sealed suitable for steep tapers 40   | 308635 40  |
| Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872)<br>suitable for ISO taper size 40           | 308820 40  |
| ER collet for machine taps with seal Nominal clamping $\varnothing$ d<br>4 mm                         | 309403 4   |
| ER collet for machine taps with seal and spray nozzles<br>Nominal clamping $\varnothing$ d 7 mm       | 309404 7   |
| ER collet with seal Nominal clamping $\varnothing$ d 4 mm   | 308906 4   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping $\varnothing$ d 2,8 mm      | 309425 2,8 |
| ER collet with seal and spray nozzles Nominal clamping $\varnothing$<br>d 4 mm                        | 308922 4   |
| ER collet Nominal clamping $\varnothing$ d 10 mm  | 308901 10  |
| ER collet with seal Nominal clamping $\varnothing$ d 10 mm  | 308906 10  |
| ER chuck key for ER collet chuck 16   | 309680 16  |
| ER collet Nominal clamping $\varnothing$ d 8 mm   | 308901 8   |
| ER collet with seal Nominal clamping $\varnothing$ d 8 mm   | 308906 8   |
| ER collet for machine taps with seal Nominal clamping $\varnothing$ d<br>4,5 mm                       | 309402 4,5 |

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| ER collet with seal Nominal clamping Ø d 5 mm   | 308906 5   |
| ER collet with seal Nominal clamping Ø d 3 mm   | 308906 3   |
| ER collet with seal and spray nozzles Nominal clamping Ø d 9 mm                         | 308922 9   |
| ER collet with seal Nominal clamping Ø d 7 mm   | 308906 7   |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm                          | 309402 6   |
| ER collet with seal Nominal clamping Ø d 6 mm   | 308906 6   |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 3,5 mm    | 309425 3,5 |
| ER collet with seal and spray nozzles Nominal clamping Ø d 3 mm                         | 308922 3   |
| ER collet set 10 pieces 1–10 mm   | 309160     |
| ER collet Nominal clamping Ø d 4 mm   | 308920 4   |
| ER collet for machine taps with seal Nominal clamping Ø d 2,8 mm                        | 309403 2,8 |
| Pull stud Mazak, form A suitable for steep tapers 40M                                   | 308670 40M |
| Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40                | 308810 40  |
| ER collet Nominal clamping Ø d 1,5 mm   | 308901 1,5 |
| Special pull stud with no internal thread sealed suitable for steep tapers 40           | 308700 40  |
| ER collet Nominal clamping Ø d 1 mm   | 308920 1   |
| ET collet with radial compensation for tapping and reaming<br>Nominal clamping Ø d 6 mm | 309445 6   |
| ER collet set 10 pieces 1–10 mm   | 309012     |
| ER collet for machine taps with seal Nominal clamping Ø d 9 mm                          | 309403 9   |
| Pull stud Hurco 90° with fit sealed suitable for steep tapers 40                        | 308806 40  |
| ER chuck key for ER collet chuck 40   | 309680 40  |
| ER collet Nominal clamping Ø d 9 mm   | 308901 9   |
|   | 309402 2,8 |

ER collet for machine taps with seal Nominal clamping  $\varnothing$  d 2,8 mm

Pull stud Hurco 45° with fit sealed suitable for steep tapers 40

308802 40

ER collet for machine taps with seal and spray nozzles  
Nominal clamping  $\varnothing$  d 4,5 mm

309404 4,5

ER chuck key 1/2 inch socket for ER collet chuck 40

309700 40

ER collet with seal and spray nozzles Nominal clamping  $\varnothing$  d 6 mm

308922 6

Wrench for pull studs ISO 7388 suitable for ISO taper size 40

308830 40

ER collet Nominal clamping  $\varnothing$  d 9 mm

308920 9

ER collet with seal and spray nozzles Nominal clamping  $\varnothing$  d 8 mm

308922 8

ER collet Nominal clamping  $\varnothing$  d 6 mm

308901 6

ER collet Nominal clamping  $\varnothing$  d 2,5 mm

308901 2,5

ER collet set 15 pieces 2–16 mm

309240

Pull stud 90° sealed suitable for steep tapers 40

308790 40

ER chuck key 1/2 inch 25AF for ER collet chuck 16

309720 16

ER collet with seal Nominal clamping  $\varnothing$  d 3 mm

308921 3

ER collet Nominal clamping  $\varnothing$  d 2 mm

308901 2

ER collet for machine taps with seal Nominal clamping  $\varnothing$  d 9 mm

309402 9

ER collet set 10 pieces 1–10 mm with seal and spray nozzles

309165

ET collet with radial compensation for tapping and reaming Nominal clamping  $\varnothing$  d 5 mm

309445 5

ER collet set 10 pieces 1–10 mm with seal

309164

ER collet Nominal clamping  $\varnothing$  d 7 mm

308901 7

ER collet for machine taps with seal Nominal clamping  $\varnothing$  d 7 mm

309403 7

Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40

308812 40

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| ER collet for machine taps with seal Nominal clamping Ø d 7 mm                       | 309402 7   |
| Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40            | 308801 40  |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 3,5 mm   | 309404 3,5 |
| Special pull stud with internal thread suitable for steep tapers 40                  | 308740 40  |
| ER collet Nominal clamping Ø d 2 mm  | 308920 2   |
| ER collet with seal Nominal clamping Ø d 5 mm  | 308921 5   |
| ER collet with seal and spray nozzles Nominal clamping Ø d 10 mm                     | 308922 10  |
| 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 with seal Nominal clamping Ø d 4 mm  | 308921 4   |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm                     | 309403 4,5 |
| ER collet Nominal clamping Ø d 3 mm  | 308920 3   |
| ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 2 mm | 309445 2   |
| Pull stud 45° sealed suitable for steep tapers 40                                    | 308765 40  |
| 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 for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm    | 309425 4,5 |
| ER collet with seal Nominal clamping Ø d 9 mm  | 308906 9   |
| ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm                     | 309402 3,5 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40                    | 308630 40  |
| ER chuck key 1/2 inch socket for ER collet chuck 16                                  | 309700 16  |

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| ER collet Nominal clamping Ø d 10 mm   | 308920 10  |
| Pull stud sealed, form B suitable for steep tapers 40                                | 308650 40  |
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm                       | 309402 8   |
| ER collet Nominal clamping Ø d 5 mm  | 308901 5   |
| ER collet with seal Nominal clamping Ø d 9 mm  | 308921 9   |
| Torque insert for ER mini-nuts for ER collet chuck 16                                | 309745 16  |
| ER collet with seal Nominal clamping Ø d 6 mm  | 308921 6   |
| ER collet Nominal clamping Ø d 7 mm  | 308920 7   |
| ER collet with seal Nominal clamping Ø d 10 mm                                       | 308921 10  |
| ER collet for machine taps with seal Nominal clamping Ø d 3,5 mm                     | 309403 3,5 |
| Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40                             | 308605 40  |
| ER collet set 6 pieces, 3, 4, 5, 6, 8, 10 mm with seal                               | 309014     |
| ER collet Nominal clamping Ø d 6 mm  | 308920 6   |
| ER collet with seal and spray nozzles Nominal clamping Ø d 7 mm                      | 308922 7   |
| ER collet Nominal clamping Ø d 4 mm  | 308901 4   |
| ET collet with radial compensation for tapping and reaming Nominal clamping Ø d 4 mm | 309445 4   |
| Pull stud 45° sealed suitable for steep tapers 40                                    | 308760 40  |
| ER collet Nominal clamping Ø d 5 mm  | 308920 5   |