

**Garant**
**HiRunER precision ER collet chuck, SK 50 A = 100, for ER collet size: 40**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 300647 40     |
| GTIN         | 4045197869920 |
| Item class   | 31A           |

**Description**
**Version:**

External and internal tapers are ground. All shanks are hard turned for a smooth cutting action. Including Balluffchip bore, high-performance clamping nut up to 25000 rpm.

**Advantage:**

- **3 µm radial run-out with a 2 µm clamping nut, 6 µm radial run-out with a 5 µm clamping nut.**
- **Extremely strong holding force (up to factor 2 better than the standard ER chuck).**
- **Vibration reduction effect due to 2-part clamping nut (size 11M and 16M 1-piece).**

**Application:**

For clamping tools with plain shank in collets to DIN 6499 - Form A and B.

**Supplied with:**

**Precision clamping nut.**

**Optional extras:**

Pull studs (PS) No. 308600 – 308806,  
 PS wrenches No. 308820 – 308835,  
 ER collets No. 308901 – 309434,  
 ER clamping wrenches No. 309748; 309749; 309758; 309759,  
 Fahrion ER collets No. 308901 – 309434.

**Note:**

- **Clamps only nominal Ø up to shank Ø tolerance h 10.**
- **Do not use the clamping nut in combination with a sealing washer.**
- **Use in combination with Fahrion collets.**

Use the precision collet chuck always in conjunction with the precision clamping nut No. 309617.  
 Machining strategy: HPC

Clamping range: 3 - 26 mm  
 External Ø D: 62 mm  
 Spare ER clamping nut No. 309617: 40

## Technical description

|                                       |                     |
|---------------------------------------|---------------------|
| External Ø D                          | 62 mm               |
| for ER collets                        | 40                  |
| Spare ER clamping nut No. 309617      | 40                  |
| Clamping range                        | 3 - 26 mm           |
| Adapter                               | SK 50 A = 100       |
| 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                 |
| Machining strategy                    | HPC                 |
| Balluffchip bore                      | yes                 |
| Type of product                       | Collet chuck        |

## Accessories

|   |           |
|---|-----------|
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm                | 309419 6  |
| ER collet for machine taps with seal Nominal clamping Ø d 10 mm               | 309419 10 |
| Special pull stud with no internal thread sealed suitable for steep tapers 50 | 308700 50 |
| ER collet Nominal clamping Ø d 16 mm  | 308990 16 |
| Pull stud stud sealed, form A suitable for steep tapers 50                    | 308610 50 |
| Pull stud 60° sealed suitable for steep tapers 50                             | 308785 50 |

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| ER collet Nominal clamping Ø d 22 mm  | 308990 22 |
| ER collet Nominal clamping Ø d 13 mm  | 308990 13 |
| ER collet Nominal clamping Ø d 17 mm  | 308990 17 |
| Pull stud 45° sealed suitable for steep tapers 50                                   | 308760 50 |
| Pull stud 45° sealed suitable for steep tapers 50                                   | 308765 50 |
| Special pull stud with internal thread suitable for steep tapers 50                 | 308740 50 |
| ER collet Nominal clamping Ø d 14 mm  | 308990 14 |
| ER collet Nominal clamping Ø d 8 mm   | 308990 8  |
| ER collet for machine taps with seal Nominal clamping Ø d 20 mm                     | 309419 20 |
| ER collet Nominal clamping Ø d 25 mm  | 308990 25 |
| ER collet for machine taps with seal Nominal clamping Ø d 11 mm                     | 309419 11 |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 10 mm | 309434 10 |
| Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50                    | 308615 50 |
| ER collet with seal Nominal clamping Ø d 10 mm                                      | 308992 10 |
| Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50              | 308812 50 |
| ER collet Nominal clamping Ø d 9 mm   | 308990 9  |
| ER collet with seal Nominal clamping Ø d 16 mm                                      | 308992 16 |
| ER collet Nominal clamping Ø d 7 mm   | 308990 7  |
| ER collet Nominal clamping Ø d 5 mm   | 308990 5  |
| ER collet for machine taps with seal Nominal clamping Ø d 7 mm                      | 309419 7  |
| ER collet Nominal clamping Ø d 15 mm  | 308990 15 |
| ER collet with seal Nominal clamping Ø d 8 mm                                       | 308992 8  |
| ER collet for machine taps with seal Nominal clamping Ø d 14 mm                     | 309419 14 |
| Pull stud sealed, form B suitable for steep tapers 50                               | 308650 50 |

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| ER collet Nominal clamping Ø d 6 mm   | 308990 6  |
| Pull stud 90° sealed suitable for steep tapers 50   | 308795 50 |
| Pull stud Form B suitable for steep tapers 50   | 308640 50 |
| ER collet with seal Nominal clamping Ø d 12 mm  | 308992 12 |
| Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50                    | 308810 50 |
| ER collet with seal Nominal clamping Ø d 6 mm   | 308992 6  |
| ER collet with seal Nominal clamping Ø d 25 mm  | 308992 25 |
| ER collet Nominal clamping Ø d 18 mm  | 308990 18 |
| ER collet with seal Nominal clamping Ø d 20 mm  | 308992 20 |
| Wrench for pull studs ISO 7388 suitable for ISO taper size 50                               | 308830 50 |
| ER collet for machine taps with seal Nominal clamping Ø d 25 mm                             | 309419 25 |
| ER collet Nominal clamping Ø d 20 mm  | 308990 20 |
| Pull stud sealed suitable for steep tapers 50   | 308660 50 |
| ER collet for machine taps with seal Nominal clamping Ø d 18 mm                             | 309419 18 |
| ER collet Nominal clamping Ø d 21 mm  | 308990 21 |
| ER collet for machine taps with seal Nominal clamping Ø d 16 mm                             | 309419 16 |
| Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50                                    | 308605 50 |
| Pull stud sealed, form B suitable for steep tapers 50                                       | 308620 50 |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 6 mm          | 309434 6  |
| ER collet Nominal clamping Ø d 4 mm   | 308990 4  |
| ER collet with seal Nominal clamping Ø d 22 mm  | 308992 22 |
| ER collet Nominal clamping Ø d 24 mm  | 308990 24 |
| ER collet Nominal clamping Ø d 23 mm  | 308990 23 |
| Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872)<br>suitable for ISO taper size 50 | 308820 50 |
| ER collet set 23 pieces 4–26 mm   | 309028    |

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| Pull stud 90° sealed suitable for steep tapers 50                                   | 308790 50 |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 16 mm | 309434 16 |
| ER collet Nominal clamping Ø d 10 mm  | 308990 10 |
| ER collet Nominal clamping Ø d 12 mm  | 308990 12 |
| ER collet for machine taps with seal Nominal clamping Ø d<br>9 mm                   | 309419 9  |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 12 mm | 309434 12 |
| Special pull stud with no internal thread sealed suitable for<br>steep tapers 50    | 308720 50 |
| ER collet Nominal clamping Ø d 11 mm  | 308990 11 |
| ER collet Nominal clamping Ø d 26 mm  | 308990 26 |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 9 mm  | 309434 9  |
| ER collet with seal Nominal clamping Ø d 14 mm                                      | 308992 14 |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 14 mm | 309434 14 |
| Pull stud Form A suitable for steep tapers 50                                       | 308600 50 |
| ER collet for machine taps with seal Nominal clamping Ø d<br>8 mm                   | 309419 8  |
| ET collet for thread tapping, with axial compensation<br>Nominal clamping Ø d 8 mm  | 309434 8  |
| ER collet for machine taps with seal Nominal clamping Ø d<br>12 mm                  | 309419 12 |
| ER collet Nominal clamping Ø d 19 mm  | 308990 19 |
| ER collet with seal Nominal clamping Ø d 18 mm                                      | 308992 18 |
| ER collet for machine taps with seal Nominal clamping Ø d<br>22 mm                  | 309419 22 |
| HiRunER clamping wrench Type 40   | 309748 40 |
| HiRunER clamping wrench for torque wrench Type 40                                   | 309749 40 |