

Garant
HiRunER precision ER collet chuck, SK 40 A = 70, for ER collet size: 32

Order data

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| Order number | 300642 32 |
| GTIN | 4045197771520 |
| Item class | 31A |

Description
Version:

External and internal tapers are ground. All shanks are hard turned for smooth running. Including RFID/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 chuck keys No. 309757, 309758 (for 11M and 16M); Fahrion ER collets No. 308901 – 309434. ER collets No. 308901 – 309432, hook spanner No. 628400 or torque wrench No. 309749 or 628520.

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.**
- **The blue design ring must be removed for Fahrion HP 2µm ER collets.**

Use the precision collet chuck always in conjunction with the precision clamping nut No. 309617.

Machining strategy: HSC

Clamping range: 2 - 20 mm

Overhang dimension A: 70 mm

External Ø D: 52 mm

Spare ER clamping nut No. 309617: 32

Technical description

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| Overhang dimension A | 70 mm |
| for ER collets | 32 |
| External Ø D | 52 mm |
| Spare ER clamping nut No. 309617 | 32 |
| Clamping range | 2 - 20 mm |
| Adapter | SK 40 A = 70 |
| 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 | HPC |
| Machining strategy | HSC |
| Balluffchip bore | yes |
| Type of product | Collet chuck |

Accessories

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| Special pull stud with no internal thread sealed suitable for steep tapers 40 | 308700 40 |
| ER collet Nominal clamping Ø d 5 mm | 308981 5 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 7 mm | 309432 7 |
| ER collet with seal Nominal clamping Ø d 6 mm | 308986 6 |
| Pull stud 90° sealed suitable for steep tapers 40 | 308790 40 |
| Pull stud 45° sealed suitable for steep tapers 40 | 308760 40 |
| Pull stud Form B suitable for steep tapers 40 | 308640 40 |

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| Pull stud sealed, form A suitable for steep tapers 40 | 308610 40 |
| ER collet Nominal clamping Ø d 17 mm | 308981 17 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 14 mm | 309418 14 |
| ER collet for machine taps with seal Nominal clamping Ø d 10 mm | 309414 10 |
| ER collet for machine taps with seal Nominal clamping Ø d 16 mm | 309414 16 |
| ER collet Nominal clamping Ø d 12 mm | 308981 12 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 | 308625 40 |
| ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm | 309414 4,5 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 8 mm | 309432 8 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 6 mm | 309418 6 |
| ER collet Nominal clamping Ø d 11 mm | 308981 11 |
| ER collet Nominal clamping Ø d 6 mm | 308981 6 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 20 mm | 309418 20 |
| ER collet Nominal clamping Ø d 10 mm | 308981 10 |
| ER collet Nominal clamping Ø d 3 mm | 308981 3 |
| ER collet with seal Nominal clamping Ø d 9 mm | 308986 9 |
| ER collet with seal Nominal clamping Ø d 17 mm | 308986 17 |
| ER collet with seal Nominal clamping Ø d 7 mm | 308986 7 |
| ER collet for machine taps with seal Nominal clamping Ø d 9 mm | 309414 9 |
| ER collet Nominal clamping Ø d 9 mm | 308981 9 |
| ER collet for machine taps with seal Nominal clamping Ø d 18 mm | 309414 18 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 6 mm | 309432 6 |

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| ER collet Nominal clamping Ø d 14 mm | 308981 14 |
| ER collet with seal Nominal clamping Ø d 16 mm | 308986 16 |
| Pull stud Mazak, form A suitable for steep tapers 40M | 308670 40M |
| ER collet with seal Nominal clamping Ø d 12 mm | 308986 12 |
| ER collet with seal Nominal clamping Ø d 19 mm | 308986 19 |
| Pull stud 90° sealed suitable for steep tapers 40 | 308795 40 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 11 mm | 309418 11 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 9 mm | 309418 9 |
| Wrench for pull studs ISO 7388 suitable for ISO taper size 40 | 308830 40 |
| Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40 | 308810 40 |
| ER collet Nominal clamping Ø d 8 mm | 308981 8 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 11 mm | 309432 11 |
| ER collet with seal Nominal clamping Ø d 13 mm | 308986 13 |
| ER collet for machine taps with seal Nominal clamping Ø d 12 mm | 309414 12 |
| ER collet Nominal clamping Ø d 16 mm | 308981 16 |
| Pull stud sealed suitable for steep tapers 40 | 308635 40 |
| 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 14 mm | 308986 14 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 8 mm | 309418 8 |
| Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 | 308630 40 |
| Pull stud 60° sealed suitable for steep tapers 40 | 308785 40 |
| ER collet with seal Nominal clamping Ø d 18 mm | 308986 18 |
| Pull stud 45° sealed suitable for steep tapers 40 | 308765 40 |

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| ER collet for machine taps with seal Nominal clamping Ø d 11 mm | 309414 11 |
| ER collet with seal Nominal clamping Ø d 4 mm | 308986 4 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308650 40 |
| Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40 | 308801 40 |
| Pull stud Hurco 90° with fit sealed suitable for steep tapers 40 | 308806 40 |
| ER collet Nominal clamping Ø d 19 mm | 308981 19 |
| ER collet with seal Nominal clamping Ø d 20 mm | 308986 20 |
| ER collet with seal Nominal clamping Ø d 11 mm | 308986 11 |
| ER collet for machine taps with seal Nominal clamping Ø d 8 mm | 309414 8 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 16 mm | 309418 16 |
| ER collet with seal Nominal clamping Ø d 3 mm | 308986 3 |
| Pull stud sealed, form B suitable for steep tapers 40 | 308620 40 |
| ER collet Nominal clamping Ø d 15 mm | 308981 15 |
| Pull stud Form A suitable for steep tapers 40 | 308600 40 |
| ER collet with seal Nominal clamping Ø d 10 mm | 308986 10 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 4,5 mm | 309432 4,5 |
| ER collet for machine taps with seal Nominal clamping Ø d 6 mm | 309414 6 |
| ER collet Nominal clamping Ø d 20 mm | 308981 20 |
| ER collet set 8 pieces 4–16, 20 mm with seal | 309026 |
| Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40 | 308615 40 |
| ER collet with seal Nominal clamping Ø d 15 mm | 308986 15 |
| Special pull stud with internal thread suitable for steep tapers 40 | 308740 40 |
| ER collet Nominal clamping Ø d 13 mm | 308981 13 |

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| Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40 | 308812 40 |
| ER collet set 18 pieces 3–20 mm | 309024 |
| ER collet Nominal clamping Ø d 18 mm | 308981 18 |
| ER collet Nominal clamping Ø d 7 mm | 308981 7 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 10 mm | 309418 10 |
| ER collet Nominal clamping Ø d 4 mm | 308981 4 |
| ER collet for machine taps with seal Nominal clamping Ø d 20 mm | 309414 20 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 4,5 mm | 309418 4,5 |
| Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40 | 308820 40 |
| Pull stud Hurco 45° with fit sealed suitable for steep tapers 40 | 308802 40 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 12 mm | 309432 12 |
| Pull stud sealed suitable for steep tapers 40 | 308660 40 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 7 mm | 309418 7 |
| 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 7 mm | 309414 7 |
| ER collet for machine taps with seal Nominal clamping Ø d 14 mm | 309414 14 |
| ER collet with seal Nominal clamping Ø d 8 mm | 308986 8 |
| ER collet with seal Nominal clamping Ø d 5 mm | 308986 5 |
| Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40 | 308605 40 |
| ER collet for machine taps with seal and spray nozzles Nominal clamping Ø d 12 mm | 309418 12 |
| ET collet for thread tapping, with axial compensation Nominal clamping Ø d 10 mm | 309432 10 |

ET collet for thread tapping, with axial compensation
Nominal clamping Ø d 9 mm

309432 9