

**Garant****Shrink-fit chuck, SK 40 short, Clamping range Ø D1: 20mm****Order data**

|              |               |
|--------------|---------------|
| Order number | 302235 20     |
| GTIN         | 4045197288363 |
| Item class   | 31A           |

**Description****Version:**

- **High-temperature steel.**
- **Size 3 -5 for carbide, from size 6 for HSS and carbide.**
- **All shanks hard turned (for smooth running!).**
- **With RFID / Balluffchip bore.**

**Application:**

For clamping tools with parallel shank to h6 tolerance.  
Suitable for inductive, contact, and hot-air shrink units.

**Optional extras:**

Pull studs (PS) No. 308600 – 308800. PS wrenches No. 308820 – 308835, Shrink-fit chuck extensions No. 302410 – 302419. Shrink-fit units, accessories No. 354210 – 354450, balancing screws set No. 309906 size 180.

**Technical description**

|                           |             |
|---------------------------|-------------|
| Overhang dimension A      | 80 mm       |
| Ø D <sub>2</sub>          | 33 mm       |
| Clamping Ø D <sub>1</sub> | 20 mm       |
| External Ø D              | 41 mm       |
| Adapter                   | SK 40 short |
| Arbor standard            | ISO 7388-1  |

|                                       |                      |
|---------------------------------------|----------------------|
| Shape                                 | ADB                  |
| Balance quality G at rotational speed | G 2.5 at 25,000 rpm  |
| Concentricity                         | $\leq 3 \mu\text{m}$ |
| Machining strategy                    | HSC                  |
| Machining strategy                    | HPC                  |
| Type of product                       | Shrink-fit chuck     |

## Accessories

|                                                                                                             |              |
|-------------------------------------------------------------------------------------------------------------|--------------|
| Shrink-fit chuck extension 4.5°without length adjustment<br>screw $\varnothing d / \varnothing D1$ 32/20 mm | 302410 32/20 |
| Shrink-fit chuck extension 4.5°with length adjustment<br>screw $\varnothing d / \varnothing D1$ 32/20 mm    | 302412 32/20 |
| Shrink-fit chuck extension 4.5°without length adjustment<br>screw $\varnothing d / \varnothing D1$ 32/20 mm | 302416 32/20 |
| Pull studForm A suitable for steep tapers 40                                                                | 308600 40    |
| Pull stud, 18CrNiMo7Form A suitable for steep tapers 40                                                     | 308605 40    |
| Pull studsealed, form A suitable for steep tapers 40                                                        | 308610 40    |
| Pull stud, 18CrNiMo7sealed, form B suitable for steep<br>tapers 40                                          | 308615 40    |
| Pull studsealed, form B suitable for steep tapers 40                                                        | 308620 40    |
| Pull studMori-Seiki, sealed, form A suitable for steep tapers<br>40                                         | 308625 40    |
| Pull studMori-Seiki, sealed, form A suitable for steep tapers<br>40                                         | 308630 40    |
| Pull studsealed suitable for steep tapers 40                                                                | 308635 40    |
| Pull studForm B suitable for steep tapers 40                                                                | 308640 40    |
| Pull studsealed, form B suitable for steep tapers 40                                                        | 308650 40    |
| Pull studsealed suitable for steep tapers 40                                                                | 308660 40    |
| Pull studMazak, form A suitable for steep tapers 40M                                                        | 308670 40M   |
|                                                                                                             | 308700 40    |

Special pull stud with no internal threadsealed suitable for steep tapers 40

|                                                                                         |                |
|-----------------------------------------------------------------------------------------|----------------|
| Special pull stud with internal thread suitable for steep tapers 40                     | 308740 40      |
| Pull stud 45°sealed suitable for steep tapers 40                                        | 308760 40      |
| Pull stud 45°sealed suitable for steep tapers 40                                        | 308765 40      |
| Pull stud 60°sealed suitable for steep tapers 40                                        | 308785 40      |
| Pull stud 90°sealed suitable for steep tapers 40                                        | 308790 40      |
| Pull stud 90°sealed suitable for steep tapers 40                                        | 308795 40      |
| Hurco 45° pull stud with 4-mm bore and fitsealed suitable for steep tapers 40           | 308801 40      |
| Pull stud Hurco 45° with fitsealed suitable for steep tapers 40                         | 308802 40      |
| Wrench for pull studsDIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40 | 308820 40      |
| Wrench for pull studsISO 7388 suitable for ISO taper size 40                            | 308830 40      |
| Shrink-fit unit Type SU1                                                                | 354210 SU1     |
| Cooling unit Type CU1                                                                   | 354215 CU1     |
| Basic tool mountingfor SK for SK taper shank 40                                         | 354225 40      |
| Cooling adapter short4.5° for clamping Ø 16,1-22 mm                                     | 354235 16,1-22 |
| Cooling adapter long4.5° for clamping Ø 16,1-22 mm                                      | 354236 16,1-22 |
| Screening plate for coilSU1 for clamping Ø 12-20 mm                                     | 354240 12-20   |
| Screening plate for coilSU1 for clamping Ø 20-32 mm                                     | 354240 20-32   |