

**Garant**
**Shrink-fit chuck with cooling channel bores, SK 50 short, Clamping range Ø D1: 16 mm**

**Order data**

Order number	302292 16
GTIN	4045197288530
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 Balluffchip bore.**

With **coolant hole bores** tapped for plugging.

Coolant hole bores at clamping Ø D1: 3, 4 and 5 mm cannot be plugged.

**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.

Machining strategy: HPC

Cooling channel bore: lockable

Overhang dimension A: 80 mm

External Ø D: 34 mm

Ø D<sub>2</sub>: 27 mm

**Technical description**

Clamping Ø D <sub>1</sub>	16 mm
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Ø D <sub>2</sub>	27 mm
Overhang dimension A	80 mm
External Ø D	34 mm
Cooling channel bore	lockable
Adapter	SK 50 short
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
Type of product	Shrink-fit chuck

## Accessories

Shrink fit chuck extension 3°, vibration-damped Ø d / Ø D1 25/16 mm	302417 25/16
Shrink-fit chuck extension 4.5° with length adjustment screw Ø d / Ø D1 25/16 mm	302412 25/16
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50	308812 50
Screening plate for coil SU1 for clamping Ø 12-20 mm	354240 12-20
Pull stud 45° sealed suitable for steep tapers 50	308760 50
Pull stud 90° sealed suitable for steep tapers 50	308795 50
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
Pull stud stud sealed, form A suitable for steep tapers 50	308610 50
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
Basic tool mounting for SK for SK taper shank 50 SK	354225 50

Cooling adapter long 4.5° for clamping Ø 12,1-16 mm	354236 12,1-16
Pull stud Form B suitable for steep tapers 50	308640 50
Pull stud sealed, form B suitable for steep tapers 50	308650 50
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 25/16 mm	302410 25/16
Shrink-fit chuck extension 4.5° with length adjustment screw Ø d / Ø D1 32/16 mm	302412 32/16
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
Shrink-fit chuck extension 4.5° without length adjustment screw, with through coolant holes Ø d / Ø D1 32/16 mm	302414 32/16
Pull stud 90° sealed suitable for steep tapers 50	308790 50
Pull stud Form A suitable for steep tapers 50	308600 50
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 25/16 mm	302416 25/16
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
Shrink-fit unit Type SU1	354210 SU1
Pull stud 45° sealed suitable for steep tapers 50	308765 50
Pull stud 60° sealed suitable for steep tapers 50	308785 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50
Cooling adapter short 4.5° for clamping Ø 12,1-16 mm	354235 12,1-16
Cooling unit Type CU1	354215 CU1
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 32/16 mm	302410 32/16
Pull stud sealed suitable for steep tapers 50	308660 50
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 32/16 mm	302416 32/16
Shrink fit chuck extension 3°, vibration-damped Ø d / Ø D1 32/16 mm	302419 32/16
	308740 50

Special pull stud with internal thread suitable for steep tapers 50

Pull stud sealed, form B suitable for steep tapers 50

308620 50

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50

308615 50