

**Garant**
**Shrink-fit chuck with coolant channel bores and strengthened walls  
strengthened walls, SK 50 short, Clamping range Ø D1: 20 mm**

**Order data**

Order number	302322 20
GTIN	4045197701077
Item class	31A

**Description**
**Version:**

- Supplied with coolant supply holes that can be plugged.
- High-temperature steel.
- Integral tool length adjustment, adjustment track 10 mm.
- For HSS and carbide.
- Shanks hard turned (for smooth running!)
- With Balluffchip bore.
- Glass bead blasted.

**Advantage:**

The reinforced version

- permits better machining results (feed rate, depth of cut).
- achieves better workpiece surface quality (due to vibration damping effect).

**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.

Cooling channel bore: lockable

Overhang dimension A: 80 mm

External Ø D: 40.6 mm

Ø D<sub>2</sub>: 33 mm

L<sub>1</sub>: 48 mm

## Technical description

L <sub>1</sub>	48 mm
Clamping Ø D <sub>1</sub>	20 mm
Ø D <sub>2</sub>	33 mm
Overhang dimension A	80 mm
External Ø D	40.6 mm
Cooling channel bore	lockable
Adapter	SK 50 short
Arbor standard	ISO 7388-1
Arbor standard	DIN 69871
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

Cooling adapter long 4.5° for clamping Ø 16,1-22 mm	354236 16,1-22
Pull stud 90° sealed suitable for steep tapers 50	308790 50
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50	308605 50
Pull stud 90° sealed suitable for steep tapers 50	308795 50
Torque insert for Pull studs to SO 7388 suitable for steep tapers 50 SK	308812 50
Pull stud sealed suitable for steep tapers 50	308660 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308700 50

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 50	308615 50
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 32/20 mm	302410 32/20
Screening plate for coil SU1 for clamping $\varnothing$ 12-20 mm	354240 12-20
Pull stud 60° sealed suitable for steep tapers 50	308785 50
Shrink-fit unit Type SU1	354210 SU1
Cooling unit Type CU1	354215 CU1
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° with length adjustment screw $\varnothing d / \varnothing D1$ 32/20 mm	302412 32/20
Pull stud sealed, form A suitable for steep tapers 50	308610 50
Wrench for pull studs ISO 7388 suitable for steep tapers 50 SK	308830 50
Pull stud Form A suitable for steep tapers 50	308600 50
Screening plate for coil SU1 for clamping $\varnothing$ 20-32 mm	354240 20-32
Pull stud 45° sealed suitable for steep tapers 50	308765 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
Pull stud 45° sealed suitable for steep tapers 50	308760 50
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 32/20 mm	302416 32/20
Basic tool mounting for SK for taper shank 50 SK	354225 50
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for steep tapers 50 SK	308820 50
Special pull stud with internal thread suitable for steep tapers 50	308740 50
Cooling adapter short 4.5° for clamping $\varnothing$ 16,1-22 mm	354235 16,1-22
Torque insert for Pull studs to DIN 69872 suitable for steep tapers 50 SK	308810 50
Pull stud sealed, form B suitable for steep tapers 50	308620 50