

## Garant

**Shrink-fit chuck with cooling channel bores, SK 50 A = 160, Clamping range  $\varnothing$  D1: 10 mm**



### Order data

Order number	302313 10
GTIN	4062406544706
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  $\varnothing$  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

External  $\varnothing$  D: 31.4 mm

$\varnothing$  D<sub>2</sub>: 24 mm

### Technical description

$\varnothing$ D <sub>2</sub>	24 mm
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Clamping $\varnothing D_1$	10 mm
Cooling channel bore	lockable
External $\varnothing D$	31.4 mm
Adapter	SK 50 A = 160
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

Cooling unit Type CU1	354215 CU1
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 25/10 mm	302416 25/10
Pull stud 90° sealed suitable for steep tapers 50	308795 50
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 50	308810 50
Pull stud sealed, form B suitable for steep tapers 50	308650 50
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
Special pull stud with no internal thread sealed suitable for steep tapers 50	308720 50
Wrench for pull studs ISO 7388 suitable for ISO taper size 50	308830 50
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 25/10 mm	302410 25/10
Pull stud 45° sealed suitable for steep tapers 50	308760 50
	302414 32/10

Shrink-fit chuck extension 4.5° without length adjustment screw, with through coolant holes  $\varnothing d / \varnothing D1$  32/10 mm

Torque insert for Pull studs to SO 7388 suitable for ISO taper size 50

308812 50

Pull stud 90° sealed suitable for steep tapers 50

308790 50

Shrink-fit chuck extension 4.5° with length adjustment screw  $\varnothing d / \varnothing D1$  32/10 mm

302412 32/10

Pull stud sealed, form A suitable for steep tapers 50

308610 50

Shrink-fit chuck extension 4.5° with length adjustment screw  $\varnothing d / \varnothing D1$  25/10 mm

302412 25/10

Pull stud, 18CrNiMo7 Form A suitable for steep tapers 50

308605 50

Shrink-fit chuck extension 4.5° without length adjustment screw  $\varnothing d / \varnothing D1$  32/10 mm

302410 32/10

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

308615 50

Shrink-fit chuck extension 4.5° without length adjustment screw, with through coolant holes  $\varnothing d / \varnothing D1$  25/10 mm

302414 25/10

Special pull stud with internal thread suitable for steep tapers 50

308740 50

Basic tool mounting for SK for SK taper shank 50 SK

354225 50

Pull stud 60° sealed suitable for steep tapers 50

308785 50

Pull stud 45° sealed suitable for steep tapers 50

308765 50

Screening plate for coil SU1 for clamping  $\varnothing$  6-12 mm

354240 6-12

Pull stud sealed, form B suitable for steep tapers 50

308620 50

Shrink fit chuck extension 3°, vibration-damped  $\varnothing d / \varnothing D1$  25/10 mm

302417 25/10

Pull stud Form A suitable for steep tapers 50

308600 50

Special pull stud with no internal thread sealed suitable for steep tapers 50

308700 50

Shrink-fit chuck extension 4.5° without length adjustment screw  $\varnothing d / \varnothing D1$  32/10 mm

302416 32/10

Cooling adapter long 4.5° for clamping  $\varnothing$  9,1-12 mm

354236 9,1-12

302415 20/10

Shrink fit chuck extension 3°, vibration-damped  $\varnothing d / \varnothing$   
D1 20/10 mm

Pull stud Form B suitable for steep tapers 50	308640 50
Cooling adapter short 4.5° for clamping $\varnothing$ 9,1-12 mm	354235 9,1-12
Pull stud sealed suitable for steep tapers 50	308660 50