

## Garant

### Shrink-fit chuck with cooling channel bores and strengthened walls, SK 40 short, Clamping range Ø D1: 16 mm



## Order data

Order number	302316 16
GTIN	4045197762450
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: 65 mm

Ø D<sub>2</sub>: 29.5 mm

Ø D<sub>3</sub>: 36.2 mm

L<sub>1</sub>: 50 mm

## Technical description

Clamping $\varnothing D_1$	16 mm
Overhang dimension A	65 mm
$L_1$	50 mm
Cooling channel bore	lockable
$\varnothing D_2$	29.5 mm
$\varnothing D_3$	36.2 mm
Adapter	SK 40 short
Arbor standard	DIN 69871
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	HPC
Machining strategy	HSC
Type of product	Shrink-fit chuck

## Accessories

Shrink fit chuck extension 3°, vibration-damped $\varnothing d / \varnothing D1$ 32/16 mm	302419 32/16
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 25/16 mm	302410 25/16
Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40	308801 40
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing d / \varnothing D1$ 32/16 mm	302410 32/16
	308625 40

Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40

Pull stud 90° sealed suitable for steep tapers 40 308790 40

Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40 308615 40

Pull stud Mazak sealed, form A suitable for steep tapers 40M 308670 40M

Special pull stud with no internal thread sealed suitable for steep tapers 40 308720 40

Pull stud 60° sealed suitable for steep tapers 40 308785 40

Pull stud stud sealed, form A suitable for steep tapers 40 308610 40

Pull stud Hurco 45° with fit sealed suitable for steep tapers 40 308802 40

Pull stud sealed suitable for steep tapers 40 308660 40

Torque insert for Pull studs to DIN 69872 suitable for steep tapers 40 SK 308810 40

Cooling adapter short 4.5° for clamping Ø 12,1-16 mm 354235 12,1-16

Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40 308630 40

Pull stud 45° sealed suitable for steep tapers 40 308765 40

Shrink-fit chuck extension 4.5° with length adjustment screw Ø d / Ø D1 32/16 mm 302412 32/16

Special pull stud with no internal thread sealed suitable for steep tapers 40 308700 40

Cooling adapter long 4.5° for clamping Ø 12,1-16 mm 354236 12,1-16

Pull stud sealed, form B suitable for steep tapers 40 308620 40

Pull stud Form B suitable for steep tapers 40 308640 40

Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for steep tapers 40 SK 308820 40

Shrink-fit chuck extension 4.5° with length adjustment screw Ø d / Ø D1 25/16 mm 302412 25/16

Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40 308605 40

308812 40

Torque insert for Pull studs to SO 7388 suitable for steep tapers 40 SK

Screening plate for coil SU1 for clamping $\varnothing$ 12-20 mm	354240 12-20
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Shrink-fit unit Type SU1	354210 SU1
Wrench for pull studs ISO 7388 suitable for steep tapers 40 SK	308830 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Shrink-fit chuck extension 4.5° without length adjustment screw, with through coolant holes $\varnothing$ d / $\varnothing$ D1 32/16 mm	302414 32/16
Pull stud sealed suitable for steep tapers 40	308635 40
Cooling unit Type CU1	354215 CU1
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing$ d / $\varnothing$ D1 32/16 mm	302416 32/16
Shrink fit chuck extension 3°, vibration-damped $\varnothing$ d / $\varnothing$ D1 25/16 mm	302417 25/16
Basic tool mounting for SK for taper shank 40 SK	354225 40
Shrink-fit chuck extension 4.5° without length adjustment screw $\varnothing$ d / $\varnothing$ D1 25/16 mm	302416 25/16
Pull stud Form A suitable for steep tapers 40	308600 40