

**Garant**
**Shrink-fit chuck with cooling channel bores and strengthened walls, SK 40 short, Clamping range  $\varnothing$  D1: 10 mm**

**Order data**

Order number	302316 10
GTIN	4045197762436
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

$\varnothing$  D<sub>2</sub>: 26.5 mm

$\varnothing$  D<sub>3</sub>: 32.9 mm

L<sub>1</sub>: 41 mm

## Technical description

Cooling channel bore	lockable
L <sub>1</sub>	41 mm
Ø D <sub>2</sub>	26.5 mm
Ø D <sub>3</sub>	32.9 mm
Overhang dimension A	65 mm
Clamping Ø D <sub>1</sub>	10 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	≤ 3 µm
Machining strategy	HPC
Machining strategy	HSC
Type of product	Shrink-fit chuck

## Accessories

Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 25/10 mm	302410 25/10
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Cooling adapter long 4.5° for clamping Ø 9,1-12 mm	354236 9,1-12
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 25/10 mm	302416 25/10
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud 60° sealed suitable for steep tapers 40	308785 40

Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Shrink-fit chuck extension 4.5° without length adjustment screw, with through coolant holes Ø d / Ø D1 32/10 mm	302414 32/10
Basic tool mounting for SK for taper shank 40 SK	354225 40
Wrench for pull studs ISO 7388 suitable for steep tapers 40 SK	308830 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Shrink-fit unit Type SU1	354210 SU1
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 32/10 mm	302416 32/10
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Torque insert for Pull studs to DIN 69872 suitable for steep tapers 40 SK	308810 40
Screening plate for coil SU1 for clamping Ø 6-12 mm	354240 6-12
Pull stud sealed, form B suitable for steep tapers 40	308620 40
Shrink fit chuck extension 3°, vibration-damped Ø d / Ø D1 20/10 mm	302415 20/10
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Torque insert for Pull studs to SO 7388 suitable for steep tapers 40 SK	308812 40
Shrink fit chuck extension 3°, vibration-damped Ø d / Ø D1 25/10 mm	302417 25/10
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40	308801 40
Pull stud Form B suitable for steep tapers 40	308640 40
Pull stud sealed suitable for steep tapers 40	308660 40
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 32/10 mm	302410 32/10
Pull stud Mazak sealed, form A suitable for steep tapers 40M	308670 40M
	308615 40

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

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

302412 32/10

Pull stud sealed, form B suitable for steep tapers 40

308650 40

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

308625 40

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

354235 9,1-12

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

302412 25/10

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

308630 40

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

302414 25/10

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

308820 40

Pull stud 90° sealed suitable for steep tapers 40

308795 40

Pull stud sealed suitable for steep tapers 40

308635 40

Pull stud Form A suitable for steep tapers 40

308600 40

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

308700 40

Cooling unit Type CU1

354215 CU1

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

308802 40

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

308610 40