

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

**Order data**

Order number	302230 10
GTIN	4045197467652
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 RFID / Balluffchip bore.**

**Ultra-short version** for more stability and less vibration.

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

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

This results in a longer tool life and better surface qualities. Without length adjustment screw.

**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.

**Note:**

No length adjustment available.

**Technical description**

Overhang dimension A	65 mm
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Clamping $\varnothing D_1$	10 mm
$\varnothing D_2$	26 mm
External $\varnothing D$	33 mm
Cooling channel bore	lockable
Adapter	SK 40 ultra short
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

Shrink-fit chuck extension 4.5°without length adjustment screw $\varnothing d / \varnothing D1$ 32/10 mm	302410 32/10
Shrink-fit chuck extension 4.5°without length adjustment screw $\varnothing d / \varnothing D1$ 25/10 mm	302416 25/10
Pull stud 60°sealed suitable for steep tapers 40	308785 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Shrink-fit chuck extension 4.5°without length adjustment screw $\varnothing d / \varnothing D1$ 25/10 mm	302410 25/10
Pull stud, 18CrNiMo7Form A suitable for steep tapers 40	308605 40
Special pull stud with no internal threadsealed suitable for steep tapers 40	308700 40
Pull studForm B suitable for steep tapers 40	308640 40
Pull studMori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
	308801 40

Hurco 45° pull stud with 4-mm bore and fitsealed suitable for steep tapers 40

Basic tool mounting for SK for SK taper shank 40	354225 40
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
Cooling adapter long 4.5° for clamping Ø 9,1-12 mm	354236 9,1-12
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Pull stud sealed suitable for steep tapers 40	308660 40
Cooling adapter short 4.5° for clamping Ø 9,1-12 mm	354235 9,1-12
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 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
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 25/10 mm	302412 25/10
Shrink fit chuck extension 3°, vibration-damped Ø d / Ø D1 20/10 mm	302415 20/10
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 32/10 mm	302416 32/10
Pull stud Hurco 90° with fitsealed suitable for steep tapers 40	308806 40
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Cooling unit Type CU1	354215 CU1
Pull stud Form A suitable for steep tapers 40	308600 40

Pull stud Hurco 45° with fitsealed suitable for steep tapers 40	308802 40
Shrink-fit chuck extension 4.5°with length adjustment screw $\varnothing d / \varnothing D1$ 32/10 mm	302412 32/10
Shrink-fit unit Type SU1	354210 SU1
Pull studsealed, form A suitable for steep tapers 40	308610 40
Pull studsealed, form B suitable for steep tapers 40	308620 40
Screening plate for coilSU1 for clamping $\varnothing$ 6-12 mm	354240 6-12