

**Garant**
**Shrink-fit chuck with cooling channel bores, SK 40 ultra short, Clamping range  $\varnothing$  D1: 20mm**

**Order data**

Order number	302230 20
GTIN	4045197467683
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 $\varnothing D_1$	20 mm
$\varnothing D_2$	35 mm
External $\varnothing D$	43 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

Cooling adapter short 4.5° for clamping $\varnothing 16,1-22$ mm	354235 16,1-22
Pull stud 90°sealed suitable for steep tapers 40	308795 40
Pull studsealed, form B suitable for steep tapers 40	308620 40
Pull stud, 18CrNiMo7Form A suitable for steep tapers 40	308605 40
Pull studsealed suitable for steep tapers 40	308660 40
Pull studsealed, form B suitable for steep tapers 40	308650 40
Pull stud 90°sealed suitable for steep tapers 40	308790 40
Shrink-fit unit Type SU1	354210 SU1
Shrink-fit chuck extension 4.5°with length adjustment screw $\varnothing d / \varnothing D1$ 32/20 mm	302412 32/20
Pull studsealed suitable for steep tapers 40	308635 40
Pull studForm A suitable for steep tapers 40	308600 40
Cooling unit Type CU1	354215 CU1
	308802 40

Pull stud Hurco 45° with fitsealed suitable for steep tapers 40

Pull stud 45°sealed suitable for steep tapers 40

308765 40

Special pull stud with internal thread suitable for steep tapers 40

308740 40

Basic tool mountingfor SK for SK taper shank 40

354225 40

Pull studForm B suitable for steep tapers 40

308640 40

Shrink-fit chuck extension 4.5°without length adjustment screw Ø d / Ø D1 32/20 mm

302410 32/20

Shrink-fit chuck extension 4.5°without length adjustment screw Ø d / Ø D1 32/20 mm

302416 32/20

Pull stud, 18CrNiMo7sealed, form B suitable for steep tapers 40

308615 40

Wrench for pull studsDIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40

308820 40

Pull stud 60°sealed suitable for steep tapers 40

308785 40

Pull studsealed, form A suitable for steep tapers 40

308610 40

Special pull stud with no internal threadsealed suitable for steep tapers 40

308700 40

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

308801 40

Pull stud Hurco 90° with fitsealed suitable for steep tapers 40

308806 40

Pull stud 45°sealed suitable for steep tapers 40

308760 40

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

308630 40

Pull studMazak, form A suitable for steep tapers 40M

308670 40M

Screening plate for coilSU1 for clamping Ø 20-32 mm

354240 20-32

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

308625 40

Screening plate for coilSU1 for clamping Ø 12-20 mm

354240 12-20

Cooling adapter long4.5° for clamping Ø 16,1-22 mm

354236 16,1-22

Wrench for pull studsISO 7388 suitable for ISO taper size 40

308830 40

