

**Garant**
**Shrink-fit chucks 4.5° with retainer function, SK 40 A = 80, Clamping Ø D1: 12mm**

**Order data**

Order number	302312 12
GTIN	4045197883698
Item class	31A

**Description**
**Version:**

- High-temperature steel.
- Integral tool length adjustment, adjustment 5 mm.
- For carbide tools.
- All shanks hard turned (for a smooth cutting action!)
- With Balluffchip bore.
- Strengthened version.

**Advantage:**
**Positive connection between the shrink-fit chuck and tool**

- prevents the tool being pulled out accidentally - high safety!
- prevents jerky radial movement.

In addition to the advantage of the process reliability, due to the reinforced design the chuck has a

- lower tendency to vibrate, i.e. longer tool life and better surface finishes.
- Higher clamping forces than with standard shrink-fit chucks.

**Tools freely selectable! Shank grinding obtainable from Hoffmann, but also freely available!**

**Application:**

For clamping tools with parallel shank to h6 tolerance. Protection against withdrawal: The tool must have a defined clamping flat. Suitable for inductive, contact and hot-air shrink units.

**Optional extras:**

Pull studs (PS) No. 308600 – 308800, wrench for pull studs No. 308820 – 308835, shrink-fit units, accessories No. 354210 – 354450, balancing screws set No. 309906 size 180.

**Note:**

The milling cutter must be sharpened with a defined form. This form can be ordered for a new tool or an existing tool. **Number for sharpening form: 129100 + suitable size.** You can even create the form yourself, the data is available at: <http://ho7.eu/anschliff>.

Machining strategy: HPC

Clamping  $\varnothing D_1$ : 12 mm

Overhang dimension A: 80 mm

External  $\varnothing D$ : 42 mm

$\varnothing D_2$ : 33 mm

suitable tool grinding 129100: 12

## Technical description

Clamping $\varnothing D_1$	12 mm
External $\varnothing D$	42 mm
$\varnothing D_2$	33 mm
Overhang dimension A	80 mm
suitable tool grinding 129100	12
Adapter	SK 40 A = 80
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

Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Hurco 45° pull stud with 4-mm bore and fit sealed suitable for steep tapers 40	308801 40
Pull stud 60° sealed suitable for steep tapers 40	308785 40

Basic tool mounting for SK for SK taper shank 40	354225 40
Pull stud 90° sealed suitable for steep tapers 40	308790 40
Screening plate for coil SU1 for clamping Ø 12-20 mm	354240 12-20
Pull stud sealed, form B suitable for steep tapers 40	308620 40
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
Pull stud Mazak, form A suitable for steep tapers 40M	308670 40M
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
Cooling unit Type CU1	354215 CU1
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud sealed suitable for steep tapers 40	308660 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
Pull stud Hurco 45° with fit sealed suitable for steep tapers 40	308802 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Pull stud, 18CrNiMo7 Form A suitable for steep tapers 40	308605 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308700 40

Pull stud sealed, form A suitable for steep tapers 40	308610 40
Pull stud sealed suitable for steep tapers 40	308635 40
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Shrink-fit unit Type SU1	354210 SU1
Subframe cupboard	354290
Pull stud Form A suitable for steep tapers 40	308600 40
Pull stud Form B suitable for steep tapers 40	308640 40