

## Garant

### Hydraulic clamping chuck short, version HT, SK 40, Clamping range $\varnothing$ D1: 20 mm



#### Order data

Order number	302028 20
GTIN	4045197513076
Item class	31H

#### Description

##### Version:

- **Very high total rigidity due to optimised design.**
- **With Balluffchip bore.**
- **Axial length adjustment available (travel 10 mm).**
- **Flexible due to the use of reducing sleeves.**

##### Application:

- **For drilling, reaming and for light and heavy-duty machining when milling.**
- **Maximum transmissible torque 550 Nm, version HT (High Torque).**
- **Ideal damping characteristics, resulting in optimum surface finishes, increased tool life and spindle protection.**

##### Optional extras:

Pull studs (PS) No. 308600 – 308806. PS pull stud wrenches No. 308820 – 308835, Sleeves No. 302135 – 302180.

##### Note:

V = Maximum adjustment range!

Caution in the case of extra-long tools and TPC machining.

Machining strategy: HPC

Overhang dimension A: 64.5 mm

External  $\varnothing$  D: 49 mm

Reach  $L_1$ : 45.5 mm

suitable reducing adapter: 302160; 302165; 302150; 302155

#### Technical description

Reach L <sub>1</sub>	45.5 mm
suitable reducing adapter	302160; 302165; 302150; 302155
Overhang dimension A	64.5 mm
Clamping Ø D <sub>1</sub>	20 mm
External Ø D	49 mm
Adapter	SK 40
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	HSC
Machining strategy	HPC
Type of product	Hydraulic clamping chuck

## Accessories

Slotted reducing adapter Clamping range Ø D1 12 mm	302160 12
Slotted reducing adapter Clamping range Ø D1 16 mm	302160 16
Pull stud Form A suitable for steep tapers 40	308600 40
Pull stud 90° sealed suitable for steep tapers 40	308790 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
Slotted reducing adapter Clamping range Ø D1 10 mm	302155 10
Slotted reducing adapter Clamping range Ø D1 16 mm	302155 16
Slotted reducing adapter Clamping range Ø D1 3 mm	302160 3
Wrench for pull studs ISO 7388 suitable for ISO taper size 40	308830 40
Slotted reducing adapter Clamping range Ø D1 6 mm	302160 6

Slotted reducing adapter Clamping range Ø D1 10 mm	302160 10
Slotted reducing adapter Clamping range Ø D1 6 mm	302155 6
Slotted reducing adapter Clamping range Ø D1 8 mm	302155 8
Slotted reducing adapter Clamping range Ø D1 12 mm	302155 12
Pull stud, 18CrNiMo7 sealed, form B suitable for steep tapers 40	308615 40
Slotted reducing adapter Clamping range Ø D1 14 mm	302155 14
Pull stud 45° sealed suitable for steep tapers 40	308765 40
Pull stud 90° sealed suitable for steep tapers 40	308795 40
Slotted reducing adapter Clamping range Ø D1 8 mm	302160 8
Wrench for pull studs DIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 40	308820 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308625 40
Pull stud Hurco 90° with fit sealed suitable for steep tapers 40	308806 40
Pull stud stud sealed, form A suitable for steep tapers 40	308610 40
Slotted reducing adapter Clamping range Ø D1 4 mm	302160 4
Pull stud Hurco 45° with bore and fit sealed suitable for steep tapers 40	308801 40
Pull stud Mori-Seiki, sealed, form A suitable for steep tapers 40	308630 40
Pull stud sealed, form B suitable for steep tapers 40	308650 40
Torque insert for Pull studs to SO 7388 suitable for ISO taper size 40	308812 40
Pull stud Form B suitable for steep tapers 40	308640 40
Slotted reducing adapter Clamping range Ø D1 5 mm	302160 5
Slotted reducing adapter Clamping range Ø D1 4 mm	302155 4
Slotted reducing adapter Clamping range Ø D1 14 mm	302160 14
Slotted reducing adapter Clamping range Ø D1 5 mm	302155 5
Torque insert for Pull studs to DIN 69872 suitable for ISO taper size 40	308810 40

Pull stud Mazak sealed, form A suitable for steep tapers 40M	308670 40M
Pull stud 60° sealed suitable for steep tapers 40	308785 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 suitable for steep tapers 40	308635 40
Special pull stud with no internal thread sealed suitable for steep tapers 40	308720 40
Special pull stud with internal thread suitable for steep tapers 40	308740 40
Pull stud sealed, form B suitable for steep tapers 40	308620 40
Pull stud 45° sealed suitable for steep tapers 40	308760 40
Slotted reducing adapter Clamping range Ø D1 3 mm	302155 3