

Garant**Hydraulic chuck Master Chuck, HSK-A 63 long, Clamping ØD1: 20mm****Order data**

Order number	307503 20
GTIN	4067263108849
Item class	31A

Description**Version:**

- Slim design (4.5° contour, identical to shrink contour according to DIN 69882-8)
- With RFID/Balluffchip bore.
- Axial length adjustment, adjustment travel 10 mm.
- Reducing adapters can be used.
- Temperature resistant up to 120°C for 4 hours.
- Up to 10× more clamping operations possible compared to a standard hydraulic chuck.
- Very low tightening torque of the clamping screw – easy handling.
- Patented new hydraulic clamping system – reliable and durable premium radial run-out.

Advantage:**Same properties as shrink-fit chucks:**

- Accuracy
- Extremely slim, identical interference contour

Advantages over shrink-fit chucks:

- Better damping
- Simpler to use
- Flexibility (through reducing adapters)
- No shrink-fit units required (costs, energy consumption)

Application:

Particularly for use in tool and mould making where a reduced interference contour is required.

For drilling, reaming and milling.

For clamping tools with shank tolerance h6.

Supplied with:

Hexagon socket drive with T-handle.

Optional extras:

Coolant tube No. 309880, socket wrench No. 309890; reducing adapters No. 302140; 302135 302145 302147 each size 12 and No. 302150; 302155; 302160; 302165 each size 20.

Technical description

External Ø D	42 mm
Overhang dimension A	120 mm
Clamping Ø D ₁	20 mm
Adjustment travel V	10 mm
Ø D ₂	33 mm
Adapter	HSK-A 63 long
Arbor standard	DIN 69893
Arbor standard	ISO 12164-1
Shape	A
Through-coolant	yes
Balance quality G at rotational speed	G 2.5 at 25,000 rpm
Concentricity	≤ 3 µm
Machining strategy	HSC
Machining strategy	HPC
Balluffchip bore	yes
Cooling channel bore	no
Type of product	Hydraulic clamping chuck