

**Garant**
**Hydraulic chuck Master Chuck, HSK-A 63 long, Clamping ØD1: 6mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 307503 6      |
| GTIN         | 4067263108375 |
| 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

|                                       |                          |
|---------------------------------------|--------------------------|
| Overhang dimension A                  | 120 mm                   |
| Ø D <sub>2</sub>                      | 21 mm                    |
| Clamping Ø D <sub>1</sub>             | 6 mm                     |
| Adjustment travel V                   | 10 mm                    |
| External Ø D                          | 27 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 |