

Garant
Master Chuck hydraulic chuck Master Chuck, HSK-A 63 long, Clamping ØD1: 12mm

Order data

| | |
|--------------|---------------|
| Order number | 307503 12 |
| GTIN | 4067263108801 |
| 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 \varnothing D | 32 mm |
| \varnothing D ₂ | 24 mm |
| Clamping \varnothing D ₁ | 12 mm |
| Overhang dimension A | 120 mm |
| Adjustment travel V | 10 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 | $\leq 3 \mu\text{m}$ |
| Machining strategy | HSC |
| Machining strategy | HPC |
| Balluffchip bore | yes |
| Cooling channel bore | no |
| Type of product | Hydraulic clamping chuck |