

## Garant

**Shrink-fit chuck with cooling channel bore, HSK-A 63 A = 130, Clamping range  
Ø D1: 20 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 308196 20     |
| GTIN         | 4045197646576 |
| Item class   | 31A           |

### Description

#### Version:

Integral length adjustment of the tool from clamping Ø D<sub>1</sub> 6 mm (adjustment travel 10 mm).  
From clamping Ø D<sub>1</sub> 6 mm with tapped holes for balancing screws.

- **High-temperature steel.**
- **Size 3 – 5 for carbide, from size 6 for HSS and carbide.**
- **With Balluffchip bores.**

With **cooling channel bores** tapped for plugging. Ø D<sub>1</sub>: 3 mm, 4 mm, 5 mm cannot be plugged.

**GARANT:** HSK mating faces machined. **All shanks hard turned (for smooth running!).**

#### Application:

- **For holding end mills and drills with parallel shank to h6 tolerance.**
- **Suitable for inductive, contact and hot air shrink-fit units.**

#### Supplied with:

For chucks with length adjustment including a length adjustment screw (from clamping Ø D<sub>1</sub> 6 mm).

#### Optional extras:

Coolant tube No. 309880, socket wrench No. 309890, shrink-fit chuck extension No. 302410 – 302416, shrink-fit units No. 354210 – 354450, balancing screw set No. 309906 180.

Cooling channel bore: lockable

External Ø D: 42 mm

Ø D<sub>2</sub>: 33 mm

### Technical description

|                                       |                      |
|---------------------------------------|----------------------|
| Clamping $\varnothing D_1$            | 20 mm                |
| $\varnothing D_2$                     | 33 mm                |
| External $\varnothing D$              | 42 mm                |
| Cooling channel bore                  | lockable             |
| Adapter                               | HSK-A 63 A = 130     |
| Arbor standard                        | DIN 69893            |
| Arbor standard                        | ISO 12164-1          |
| Shape                                 | A                    |
| 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

|  |                |
|--|----------------|
| Subframe cupboard  | 354290         |
| Cooling adapter long 4.5° for clamping $\varnothing 16,1-22$ mm  | 354236 16,1-22 |
| Cooling unit Type CU1  | 354215 CU1     |
| Cooling adapter short 4.5° for clamping $\varnothing 16,1-22$ mm | 354235 16,1-22 |
| Shrink-fit unit Type SU1   | 354210 SU1     |
| Screening plate for coil SU1 for clamping $\varnothing 12-20$ mm | 354240 12-20   |