

## Garant

**Shrink-fit chuck with cooling channel bore, HSK-A 63 A = 120, Clamping range  
Ø D1: 16 mm**



### Order data

Order number	308192 16
GTIN	4045197468635
Item class	31A

### Description

#### Version:

From clamping Ø D<sub>1</sub> 6 mm with tapped holes for balancing screws.

Integral length adjustment of the tool from clamping Ø D<sub>1</sub> 6 mm (adjustment travel 10 mm).

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

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

With **cooling channel bores** tapped for plugging.

#### 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: 34 mm

Ø D<sub>2</sub>: 27 mm

### Technical description

Ø D <sub>2</sub>	27 mm
Clamping Ø D <sub>1</sub>	16 mm
External Ø D	34 mm
Cooling channel bore	lockable
Adapter	HSK-A 63 A = 120
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	≤ 3 µm
Machining strategy	HSC
Machining strategy	HPC
Type of product	Shrink-fit chuck

## Accessories

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