

## Garant

**Shrink-fit chuck with cooling channel bore, nickel plated, HSK-A 63 short,  
Clamping  $\varnothing$  D1: 16 mm**



### Order data

Order number	308172 16
GTIN	4045197945358
Item class	31A

### Description

#### Version:

Integral length adjustment of the tool from clamping  $\varnothing$  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.**

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

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

Premium version: Nickel plated version with 4 pluggable **cooling channel bores.**

#### 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  $\varnothing$  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

Overhang dimension A: 95 mm

External  $\varnothing$  D: 34 mm

$\varnothing$  D<sub>2</sub>: 27 mm

## Technical description

Cooling channel bore	lockable
Overhang dimension A	95 mm
External $\varnothing$ D	34 mm
Clamping $\varnothing$ D <sub>1</sub>	16 mm
$\varnothing$ D <sub>2</sub>	27 mm
Adapter	HSK-A 63 short
Arbor standard	ISO 12164-1
Arbor standard	DIN 69893
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