

## Garant

### Shrink-fit chuck with cooling channel bore, HSK-A 63 ultra short, Clamping range $\varnothing$ D1: 12mm



#### Order data

Order number	308165 12
GTIN	4045197468673
Item class	31A

#### Description

##### Version:

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

- **High-temperature steel.**
- **Sizes 3 – 5 for carbide, from size 6 for HSS and carbide.**
- **With RFID/Balluffchip bore.**

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

**Ultra short:** More stability and stiffness, less vibration. This ensures longer tool life and better surface quality. No length adjustment available.

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  $\varnothing$  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.

#### Technical description

Overhang dimension A	70 mm
Clamping $\varnothing D_1$	12 mm
$\varnothing D_2$	26 mm
External $\varnothing D$	33 mm
Cooling channel bore	lockable
Adapter	HSK-A 63 ultra short
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	HPC
Machining strategy	HSC
Type of product	Shrink-fit chuck

## Accessories

Cooling unit Type CU1	354215 CU1
Cooling adapter long $4.5^\circ$ for clamping $\varnothing 9,1-12$ mm	354236 9,1-12
Subframe cupboard	354290
Screening plate for coilSU1 for clamping $\varnothing 6-12$ mm	354240 6-12
Cooling adapter short $4.5^\circ$ for clamping $\varnothing 9,1-12$ mm	354235 9,1-12
Shrink-fit unit Type SU1	354210 SU1