

## Garant

### Shrink-fit chuck, HSK-F 63 A = 120, Clamping range $\varnothing$ D1: 5 mm



#### Order data

Order number	308193 5
GTIN	4045197588098
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.**

Without tapped holes for balancing screws and **without thread for coolant pipe.**

**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  $\varnothing$  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.

External  $\varnothing$  D: 22 mm

$\varnothing$  D<sub>2</sub>: 15 mm

#### Technical description

$\varnothing$ D <sub>2</sub>	15 mm
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Clamping $\varnothing D_1$	5 mm
External $\varnothing D$	22 mm
Adapter	HSK-F 63 A = 120
Arbor standard	DIN 69893
Arbor standard	ISO 12164-1
Shape	F
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

Cooling adapter short 4.5° for clamping $\varnothing 3-5,9$ mm	354235 3-5,9
Cooling adapter long 4.5° for clamping $\varnothing 3-5,9$ mm	354236 3-5,9
Subframe cupboard	354290
Cooling unit Type CU1	354215 CU1
Screening plate for coil SU1 for clamping $\varnothing 3-5$ mm	354240 3-5
Shrink-fit unit Type SU1	354210 SU1