

## Garant

### Shrink-fit chuck, HSK-F 63 A = 120, Clamping range $\varnothing D_1$ : 12mm



#### Order data

Order number	308193 12
GTIN	4045197588135
Item class	31A

#### Description

##### Version:

Integral length adjustment of the tool from clamping  $\varnothing D_1$  6 mm (adjustment travel 10 mm).

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

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  $\varnothing D_1$  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

$\varnothing D_2$	24 mm
Clamping $\varnothing D_1$	12 mm

Overhang dimension A	120 mm
External Ø D	31 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	≤ 3 µm
Machining strategy	HSC
Machining strategy	HPC
Type of product	Shrink-fit chuck

## Accessories

Cooling adapter short4.5° for clamping Ø 9,1-12 mm	354235 9,1-12
Cooling adapter long4.5° for clamping Ø 9,1-12 mm	354236 9,1-12
Subframe cupboard	354290
Shrink-fit unit Type SU1	354210 SU1
Screening plate for coilSU1 for clamping Ø 6-12 mm	354240 6-12
Cooling unit Type CU1	354215 CU1