

**Garant**
**Shrink-fit chuck with cooling channel bores and strengthened walls, HSK-A 63  
A = 120, Clamping range Ø D1: 12 mm**

**Order data**

Order number	308297 12
GTIN	4045197701596
Item class	31A

**Description**
**Version:**

- High-temperature steel.
- Integral tool length adjustment, adjustment track 10 mm.
- For HSS and carbide.
- Shanks hard turned (for smooth running!).
- With Balluffchip bore
- Bead-blasted
- With cooling channel bores, tapped for plugging.

**Advantage:**

**Optimised design. Vibration-damping effect, better workpiece surface finish, protects spindle and tool.**

**Application:**

For clamping tools with parallel shank to h6 tolerance. Suitable for inductive, contact and hot-air shrink units.

**Optional extras:**

Shrink-fit chuck adaptors No. 302410 – 302416. Shrink-fit units, accessories No. 354210 – 304755.

Cooling channel bore: lockable

External Ø D: 52.5 mm

Ø D<sub>2</sub>: 24 mm

Ø D<sub>3</sub>: 33.4 mm

**Technical description**

Ø D <sub>3</sub>	33.4 mm
Ø D <sub>2</sub>	24 mm
Clamping Ø D <sub>1</sub>	12 mm
External Ø D	52.5 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	HPC
Machining strategy	HSC
Type of product	Shrink-fit chuck

## Accessories

Cooling adapter long 4.5° for clamping Ø 9,1-12 mm	354236 9,1-12
Screening plate for coil SU1 for clamping Ø 6-12 mm	354240 6-12
Cooling unit Type CU1	354215 CU1
Subframe cupboard	354290
Shrink-fit unit Type SU1	354210 SU1
Cooling adapter short 4.5° for clamping Ø 9,1-12 mm	354235 9,1-12