

**Garant**

**Shrink-fit chuck 3°, slim, HSK-E 50 A = 70, Clamping range Ø D<sub>1</sub>: 3 mm**


**Order data**

Order number	308308 3
GTIN	4045197480354
Item class	31A

**Description**
**Version:**

- All shanks hard turned (for smooth running!).
- HSK mating faces machined.
- Slim design (3° contour).

**Balancing quality 2.5 / 40,000 rpm.**

**Application:**

- Especially in operations in tool and mould making.
- For clamping tools with shank tolerance h6.

**Optional extras:**

Coolant feed pipe No. 309880. Socket No. 309890. Shrink-fit chuck extensions No. 302410 sizes 12/3 and 12/4. Shrink-fit units No. 354210 – 354450. Balancing screw set No. 309906 180.

Machining strategy: HSC

External Ø D: 14 mm

Ø D<sub>2</sub>: 9 mm

**Technical description**

Clamping Ø D <sub>1</sub>	3 mm
Ø D <sub>2</sub>	9 mm
External Ø D	14 mm
Adapter	HSK-E 50 A = 70
Arbor standard	DIN 69893

Arbor standard	ISO 12164-1
Shape	E
Balance quality G at rotational speed	G 2.5 at 40,000 rpm
Concentricity	≤ 3 μm
Machining strategy	HSC
Type of product	Shrink-fit chuck

## Accessories

Cooling adapter short 4.5° for clamping Ø 3-5,9 mm	354235 3-5,9
Screening plate for coil SU1 for clamping Ø 3-5 mm	354240 3-5
Shrink-fit unit Type SU1	354210 SU1
Subframe cupboard	354290
Cooling unit Type CU1	354215 CU1
Cooling adapter long 4.5° for clamping Ø 3-5,9 mm	354236 3-5,9
Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 12/3 mm	302410 12/3