

**Garant**

**Shrink-fit chuck 3°, slim, HSK-A 63 A = 80, Clamping range Ø D1: 4 mm**


**Order data**

Order number	308316 4
GTIN	4045197762603
Item class	31A

**Description**
**Version:**

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

**Balancing quality 2.5 / 25,000 rpm.** With Balluffchip bore.

**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: 16 mm

Ø D<sub>2</sub>: 10 mm

**Technical description**

External Ø D	16 mm
Clamping Ø D <sub>1</sub>	4 mm
Ø D <sub>2</sub>	10 mm
Adapter	HSK-A 63 A = 80
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	HSC
Type of product	Shrink-fit chuck

## Accessories

Shrink-fit chuck extension 4.5° without length adjustment screw Ø d / Ø D1 12/4 mm	302410 12/4
Shrink-fit unit Type SU1	354210 SU1
Subframe cupboard	354290
Cooling adapter long 4.5° for clamping Ø 3-5,9 mm	354236 3-5,9
Cooling adapter short 4.5° for clamping Ø 3-5,9 mm	354235 3-5,9
Cooling unit Type CU1	354215 CU1
Screening plate for coil SU1 for clamping Ø 3-5 mm	354240 3-5