

**Garant**
**Combination side lock arbor, slim, HSK-A 63, Clamping range  $\varnothing$  D1: 12 mm**

**Order data**

Order number	304705 12
GTIN	4045197289490
Item class	31A

**Description**
**Version:**

- With ball-jointed clamping screw for Weldon and Whistle-Notch systems (clamping flat inclination 2°).
- With Balluffchip bore.
- All shanks hard turned (for smooth running!).
- SK mating faces machined.

**Application:**

For clamping tools with parallel shank to DIN 1835 Form B + E and DIN 6535 Form HB + HE.

**Supplied with:**

Ball-jointed clamping screw and through-drilled back stop screw.

**Optional extras:**

Coolant pipe No. 309880, coolant pipe wrench No. 309890

Overhang dimension A: 120 mm

External  $\varnothing$  D: 29 mm

$\varnothing$  D<sub>2</sub>: 17 mm

$\varnothing$  D<sub>3</sub>: 22 mm

Reach L<sub>1</sub>: 87 mm

**Technical description**

$\varnothing$ D <sub>2</sub>	17 mm
Clamping $\varnothing$ D <sub>1</sub>	12 mm
$\varnothing$ D <sub>3</sub>	22 mm

Reach L <sub>1</sub>	87 mm
Overhang dimension A	120 mm
External Ø D	29 mm
Adapter	HSK-A 63
Arbor standard	ISO 12164-1
Arbor standard	DIN 69893
Shape	A
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	Side lock arbor

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## Accessories

HSK coolant tube for HSK 63	309880 63
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