

**Garant**
**Combination side lock arbor, slim, HSK-A 63 A = 160, Clamping range  $\varnothing$  D1: 10mm**

**Order data**

Order number	304715 10
GTIN	4045197289568
Item class	31A

**Description**
**Version:**

- With ball-jointed clamping screw for Weldon and Whistle Notch systems (clamping flat inclination 2°).
- With RFID/Balluffchip bore.
- All shanks hard turned (for smooth running!).
- HSK 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 tube No. 309880, socket wrench No. 309890, spare screw No. 309905 size M6 / M8.

**Technical description**

$\varnothing$ D <sub>3</sub>	21 mm
$\varnothing$ D <sub>2</sub>	16 mm
Clamping $\varnothing$ D <sub>1</sub>	10 mm
Overhang dimension A	160 mm
External $\varnothing$ D	28 mm

Usable length $L_N$	85 mm
Adapter	HSK-A 63 A = 160
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	$\leq 3 \mu\text{m}$
Machining strategy	HSC
Machining strategy	HPC
Type of product	Side lock arbor