

**Garant**
**Combination side lock arbor, slim, HSK-A 63 A = 160, Clamping range  $\varnothing$  D1: 20mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 304715 20     |
| GTIN         | 4045197289612 |
| 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**

|                                       |        |
|---------------------------------------|--------|
| Overhang dimension A                  | 160 mm |
| Clamping $\varnothing$ D <sub>1</sub> | 20 mm  |
| $\varnothing$ D <sub>3</sub>          | 30 mm  |
| $\varnothing$ D <sub>2</sub>          | 25 mm  |
| External $\varnothing$ D              | 38 mm  |

|                                       |                      |
|---------------------------------------|----------------------|
| Usable length $L_N$                   | 129 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      |