

**Garant**
**Combination face mill adapter, HSK-A 63 A = 160, Spigot Ø d1: 22 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 306170 22     |
| GTIN         | 4045197289933 |
| Item class   | 31A           |

**Description**
**Version:**

With Balluffchip bore. HSK mating faces machined.

**Application:**

For clamping shell end mills and milling cutter heads with longitudinal or transverse groove.

**Supplied with:**

Drive key, face mill drive ring, and lock screw.

**Optional extras:**

Coolant pipe No. 309880, plug-in socket No. 309890, special toggle spanner No. 309840.

External Ø D: 40 mm

Milling mandrel length L<sub>3</sub> with drive ring: 19 mm

Milling mandrel length L<sub>4</sub>: 31 mm

Spare milling cutter lock screw No. 309860: 22

Spare drive ring No. 309870: 22

Suitable toggle spanner No. 309840: 22

**Technical description**

|                                       |       |
|---------------------------------------|-------|
| Milling mandrel length L <sub>4</sub> | 31 mm |
| Spare drive ring No. 309870           | 22    |
| Suitable toggle spanner No. 309840    | 22    |
| Spigot Ø d <sub>1</sub>               | 22 mm |

|   |                       |
|---|-----------------------|
| Spare milling cutter lock screw No. 309860            | 22                    |
| Milling mandrel length L <sub>3</sub> with drive ring | 19 mm                 |
| External Ø D  | 40 mm                 |
| Adapter   | HSK-A 63 A = 160      |
| Arbor standard  | DIN 69882-3           |
| 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   | ≤ 6 µm                |
| Machining strategy                                    | HPC                   |
| Type of product                                       | Milling cutter spigot |

---

## Accessories

|   |           |
|---|-----------|
| Face mill drive ring for mandrel Ø 22 mm      | 309870 22 |
| Milling cutter lock screw for mandrel Ø 22 mm | 309860 22 |
| Toggle spanner for mandrel Ø 22 mm            | 309840 22 |