

**Garant****Combination face mill adapter, HSK-A 63 short, Spigot Ø d1: 22mm****Order data**

Order number	306110 22
GTIN	4045197289858
Item class	31A

**Description****Version:**

With RFID/Balluffchip bore. HSK mating faces machined.

**Application:**

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

**Supplied with:**

Including drive key, face mill drive ring, and milling cutter lock screw No. 309860.

**Optional extras:**

Coolant tube No. 309880, socket wrench No. 309890, toggle spanner No. 309840, milling cutter lock screw for internal coolant supply No. 309861.

**Note:**

Internal cooling available only with suitable tightening screw No. 309861.

**Technical description**

Spigot Ø d <sub>1</sub>	22 mm
Suitable toggle spanner No. 309840	22
Spare drive ring No. 309870	22
Milling mandrel length L <sub>4</sub>	31 mm
Milling mandrel length L <sub>3</sub> with drive ring	19 mm
Overhang dimension A	60 mm

External Ø D	40 mm
Spare milling cutter lock screw No. 309860 / 309861	22
Clamping Ø D <sub>1</sub>	22 mm
Adapter	HSK-A 63 short
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