

**Garant****Combination face mill adapter, HSK-F 63 short, Spigot Ø d1: 16mm****Order data**

Order number	306121 16
GTIN	4045197587756
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:**

Toggle spanner No. 309840, locking screw for internal coolant supply No. 309861.

**Note:**

Without a thread for the coolant pipe.

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

**Technical description**

Milling mandrel length L <sub>3</sub> with drive ring	17 mm
Overhang dimension A	60 mm
Suitable toggle spanner No. 309840	16
Spare drive ring No. 309870	16
Spigot Ø d <sub>1</sub>	16 mm
Milling mandrel length L <sub>4</sub>	27 mm

External Ø D	32 mm
Spare milling cutter lock screw No. 309860 / 309861	16
Clamping Ø D <sub>1</sub>	16 mm
Adapter	HSK-F 63 short
Arbor standard	DIN 69893
Arbor standard	DIN 69882-3
Arbor standard	ISO 12164-1
Shape	F
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

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## Accessories

Toggle spanner for mandrel Ø 16 mm	309840 16
Milling cutter lock screw for mandrel Ø 16 mm	309860 16
Face mill drive ring for mandrel Ø 16 mm	309870 16