

**Garant****Combination face mill adapter, HSK-F 63 short, Spigot  $\varnothing$  d1: 22mm****Order data**

Order number	306121 22
GTIN	4045197587763
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 $L_4$	31 mm
Spigot $\varnothing$ d <sub>1</sub>	22 mm
Overhang dimension A	60 mm
Milling mandrel length $L_3$ with drive ring	19 mm
Suitable toggle spanner No. 309840	22
Spare drive ring No. 309870	22

External Ø D	40 mm
Spare milling cutter lock screw No. 309860 / 309861	22
Clamping Ø D <sub>1</sub>	22 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

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