

**Garant**
**Solid carbide tapered arbor long, Plain shank, for cutter head Ø D: 12 mm**

**Order data**

Order number	210570 12
GTIN	4045197522771
Item class	21Z

**Description**
**Version:**

Precision-ground arbor for GARANT TopCut screw-in heads.

**System radial run-out  $\leq 10 \mu\text{m}$**  due to the combination of taper and flat face.

With plain shank (for HSC machining). **Tolerance = h6.**

**Note:**

**Maximum milled depth** =  $L_1 + l$ ;  $l$  = see dimensions of the screw-in heads: No. 210050 – 210410.

Assembly wrench = No. 219987.

Plug-in adapter for torque wrench = No. 219986.

For long tool overhang, reduce technology data.

Through-coolant: yes

External  $\varnothing d_1$ : 11.8 mm

Overall length  $L_{\text{tot}}$ : 150 mm

Reach  $L_1$ : 94 mm

Shank  $\varnothing D_s$  h6: 20 mm

recommended tightening torque: 10 Nm

**Technical description**

Shank $\varnothing D_s$ h6	20 mm
External $\varnothing d_1$	11.8 mm
for cutter head $\varnothing D$	12 mm
Reach $L_1$	94 mm
Overall length $L_{\text{tot}}$	150 mm
recommended tightening torque	10 Nm

Series	TopCut
Adapter	Plain shank
Through-coolant	yes
Type of product	Threaded copy mill arbor