

**Garant**
**Carbide machine reamer H7, uncoated, Nominal Ø DC: 13 mm**

**Order data**

Order number	164500 13
GTIN	4045197252111
Item class	110

**Description**
**Version:**

**Long flutes**, left-hand helix.

**Extremely irregular** spacing (EU) from size 2.

This ensures that the reamed bore is absolutely round and free from chatter marks.

Up to size 6 with centring point.

**Application:**

On stable, low vibration machines. Longer tool life and better dimensional accuracy than HSS reamers.

**Tool material:**

Sizes 1 – 13 **solid carbide**.

Sizes 14 – 16 with **carbide inserts**, supported by hard nitrided steel guidel chamfers.

Application for type of drilling: for through holes

Bore Ø tolerance: H7

Number of cutting edges Z: 6

Bore Ø tolerance: H7

Flute length  $L_c$ : 44 mm

Overhang  $L_1$ : 104 mm

Overall length L: 151 mm

Number of cutting edges Z: 6

Shank Ø  $D_s$ : 10 mm

**Technical description**

Nominal Ø $D_c$	13 mm
Overhang $L_1$	104 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.15 mm/rev.

Shank tolerance	h9
Shank $\varnothing D_s$	10 mm
Overall length L	151 mm
Flute length $L_c$	44 mm
Number of cutting edges Z	6
recommended drill $\varnothing$ in steel < 1100 N/mm <sup>2</sup>	12.8 mm
Bore $\varnothing$ tolerance	H7
Coating	uncoated
Tool material	Carbide K10
Standard	DIN 8093
Through-coolant	no
Shank	Parallel shank to h6
Application for type of drilling	for through holes
Colour ring	without
Type of product	Reaming tool with non-detachable cutters