

**Garant**
**Machine reamer H7, uncoated, Nominal Ø DC: 3,1 mm**

**Order data**

Order number	163000 3,1
GTIN	4045197252708
Item class	110

**Description**
**Version:**

With long flutes and left-hand helix.  
 From size 1.8 even number of teeth and uneven spacing.  
 Up to size 3.7 both ends with external centres;  
 from size 3.9 both ends with internal centres.

**Reamers finish ground for fit H7.**
**Application:**

For reaming through holes. Also suitable for blind holes (from 3.9 mm Ø) due to short chamfer lead.

**Note:**

- **Straight flute machine chucking reamers – available ex-stock.**
- **For reamers with other diameters and fits see No. 162951.**

Application for type of drilling: for through holes

Bore Ø tolerance: H7

Number of cutting edges Z: 6

Bore Ø tolerance: H7

Flute length  $L_c$ : 16 mm

Overhang  $L_1$ : 33 mm

Overall length L: 65 mm

Number of cutting edges Z: 6

Shank Ø  $D_s$ : 3.2 mm

**Technical description**

Shank tolerance	h9
Feed f in steel < 750 N/mm <sup>2</sup>	0.2 mm/rev.
Nominal Ø $D_c$	3.1 mm

Overhang L <sub>1</sub>	33 mm
Shank Ø D <sub>s</sub>	3.2 mm
Overall length L	65 mm
Flute length L <sub>c</sub>	16 mm
Number of cutting edges Z	6
recommended drill Ø in steel < 750 N/mm <sup>2</sup>	3 mm
Bore Ø tolerance	H7
Coating	uncoated
Tool material	HSS E
Standard	DIN 212 B
Through-coolant	no
Shank	Plain shank with h9
Application for type of drilling	for through holes
Colour ring	without
Type of product	Reaming tool with non-detachable cutters