

Garant
Machine reamer H7, uncoated, Nominal Ø DC: 12 mm

Order data

Order number	163000 12
GTIN	4045197253194
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 : 44 mm

Overhang L_1 : 110 mm

Overall length L: 151 mm

Number of cutting edges Z: 6

Shank Ø D_s : 10 mm

Technical description

Feed f in steel < 750 N/mm ²	0.25 mm/rev.
Overhang L_1	110 mm

Shank tolerance	h9
Nominal $\varnothing D_c$	12 mm
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 < 750 N/mm ²	11.8 mm
Bore \varnothing 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