

Garant
Machine reamer H7, uncoated, Nominal Ø DC: 4,5 mm

Order data

Order number	163000 4,5
GTIN	4045197252838
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 : 21 mm

Overhang L_1 : 51 mm

Overall length L: 80 mm

Number of cutting edges Z: 6

Shank Ø D_s : 4.5 mm

Technical description

Shank tolerance	h9
Overhang L_1	51 mm

Nominal $\varnothing D_c$	4.5 mm
Feed f in steel < 750 N/mm ²	0.15 mm/rev.
Shank $\varnothing D_s$	4.5 mm
Overall length L	80 mm
Flute length L_c	21 mm
Number of cutting edges Z	6
recommended drill \varnothing in steel < 750 N/mm ²	4.4 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