

Garant
Machine reamer H7, uncoated, Nominal Ø DC: 20 mm

Order data

| | |
|--------------|---------------|
| Order number | 163000 20 |
| GTIN | 4045197253279 |
| 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: 8

Bore Ø tolerance: H7

Flute length L_c : 60 mm

Overhang L_1 : 146 mm

Overall length L: 195 mm

Number of cutting edges Z: 8

Shank Ø D_s : 16 mm

Technical description

| | |
|-----------------|--------|
| Shank tolerance | h9 |
| Overhang L_1 | 146 mm |

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|--|--|
| Nominal $\varnothing D_c$ | 20 mm |
| Feed f in steel < 750 N/mm ² | 0.3 mm/rev. |
| Shank $\varnothing D_s$ | 16 mm |
| Overall length L | 195 mm |
| Flute length L_c | 60 mm |
| Number of cutting edges Z | 8 |
| recommended drill \varnothing in steel < 750 N/mm ² | 19.8 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 |