

Garant

Solid carbide barrel milling cutter, conical form $\alpha/2=18^\circ$ PPC, DLC, \varnothing f8 DC / R2: 12/500 mm



Order data

| | |
|--------------|---------------|
| Order number | 207531 12/500 |
| GTIN | 4045197989062 |
| Item class | 11X |

Description

Version:

High-performance tool for **exceptionally efficient finish machining of free-form surfaces**. For outstanding surface qualities in a **very short machining time**. For use on modern 5-axis milling machines with CAD / CAM support.

The end face geometry is designed so that the chips, especially those formed by the end radius, are of optimum shape and have optimum evacuation characteristics. For this purpose the number of cutting edges is reduced to the number of effective end face cutting edges.

Recommendation:

We recommend 0.05 to 0.2mm as an allowance for finishing operations.

Note:

For machining walls and overcoming obstructions.

R_2 represents the effective radius on the tool.

Cannot be reground!

No. of teeth Z: 4

Helix angle: 30 degrees

No. of teeth Z: 4

Flute length L_c : 14.5 mm

Effective radius R_2 : 500 mm

Corner radius R_1 : 2 mm

Overall length L: 90 mm

Shank \varnothing D_s : 12 mm

Technical description

| | |
|------------------------|--------|
| Effective radius R_2 | 500 mm |
|------------------------|--------|

| | |
|--|-------------------------|
| Overall length L | 90 mm |
| Helix angle | 30 degrees |
| Flute length L _c | 14.5 mm |
| Feed f _z for side milling in short-chipping aluminium | 0.07 mm |
| Corner radius R ₁ | 2 mm |
| Feed f _z for copy milling in short-chipping aluminium | 0.09 mm |
| No. of teeth Z | 4 |
| Cutting edge Ø D _c | 12 mm |
| Shank Ø D _s | 12 mm |
| Coating | DLC |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal Ø | f8 |
| Direction of infeed | horizontal |
| Cutting width a _e for milling operation | 0.05×D for side milling |
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| Shank | DIN 6535 HA to h6 |
| Through-coolant | no |
| Machining strategy | PPC |
| Colour ring | yellow |
| Type of product | End mill |

Services

Shank grinding Type HB

129100 HB