

## Garant

### Solid carbide barrel milling cutter, straight form PPC, DLC, Ø f8 DC / R2: 12/70 mm



#### Order data

Order number	207514 12/70
GTIN	4045197989000
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.

##### Recommendation:

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

##### Note:

R<sub>2</sub> represents the effective radius on the tool.

Cannot be reground!

No. of teeth Z: 5

Helix angle: 30 degrees

No. of teeth Z: 5

Flute length L<sub>c</sub>: 23 mm

Effective radius R<sub>2</sub>: 70 mm

Corner radius R<sub>1</sub>: 1 mm

Overhang length L<sub>1</sub> incl. recess: 36 mm

Recess Ø D<sub>1</sub>: 10 mm

#### Technical description

Helix angle	30 degrees
No. of teeth Z	5
Effective radius R <sub>2</sub>	70 mm
Overall length L	83 mm

Cutting edge $\varnothing D_c$	12 mm
Corner radius $R_1$	1 mm
Flute length $L_c$	23 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.09 mm
Overhang length $L_1$ incl. recess	36 mm
Recess $\varnothing D_1$	10 mm
Shank $\varnothing D_s$	12 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	f8
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal
Cutting width $a_e$ for milling operation	0.05×D for copy milling
Cutting width $a_e$ for milling operation	0.05×D for side milling
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
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