

Garant

Solid carbide barrel milling cutter, short conical form $\alpha/2 = 81^\circ$ PPC, TiAlN, \emptyset f8 DC / R2: 12/220 mm



Order data

Order number	207549 12/220
GTIN	4045197938251
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_2 represents the effective radius on the tool.

Cannot be reground!

For surface machining and avoidance of interferences.

No. of teeth Z: 5

Helix angle: 30 degrees

No. of teeth Z: 5

Flute length L_c : 1.4 mm

Effective radius R_2 : 220 mm

Corner radius R_1 : 4 mm

Overall length L: 120 mm

Shank $\emptyset D_s$: 12 mm

Technical description

Helix angle	30 degrees
No. of teeth Z	5
Effective radius R_2	220 mm
Feed f_z for copy milling in steel < 900 N/mm ²	0.09 mm

Cutting edge $\varnothing D_c$	12 mm
Overall length L	120 mm
Shank $\varnothing D_s$	12 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.07 mm
Flute length L_c	1.4 mm
Corner radius R_1	4 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	f8
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
Machining strategy	PPC
Colour ring	green
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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