

Garant

**Solid carbide barrel milling cutter, short conical form $\alpha/2 = 63^\circ$ PPC, DLC, \varnothing f8
DC / R2: 12/220 mm**



Order data

Order number	207542 12/220
GTIN	4045197989109
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 interference contours.

No. of teeth Z: 5

Helix angle: 30 degrees

No. of teeth Z: 5

Flute length L_c : 3.5 mm

Effective radius R_2 : 220 mm

Corner radius R_1 : 2 mm

Overall length L: 120 mm

Shank \varnothing D_s : 12 mm

Technical description

Overall length L	120 mm
Flute length L_c	3.5 mm
Feed f_z for copy milling in short-chipping aluminium	0.09 mm
Cutting edge \varnothing D_c	12 mm

Corner radius R_1	2 mm
Helix angle	30 degrees
Effective radius R_2	220 mm
No. of teeth Z	5
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
Direction of infeed	horizontal
Cutting width a_e for milling operation	0.05×D for side 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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