

Garant

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



Order data

Order number	207537 12/500
GTIN	4045197922724
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:

As an oversize for finishing operations we recommend 0.05 to 0.2 mm.

Note:

R_2 represents the effective radius on the tool.

Cannot be reground!

For machining walls and overcoming obstructions.

No. of teeth Z: 6

Helix angle: 30 degrees

No. of teeth Z: 6

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

Flute length L_c	14.5 mm
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Feed f_z for copy milling in stainless steel > 900 N/mm ²	0.064 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.052 mm
Overall length L	90 mm
Shank $\varnothing D_s$	12 mm
No. of teeth Z	6
Effective radius R_2	500 mm
Corner radius R_1	2 mm
Helix angle	30 degrees
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 side milling
Cutting width a_e for milling operation	0.05×D for copy milling
Shank	DIN 6535 HA to h6
Machining strategy	PPC
Colour ring	blue
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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