Garant

Solid carbide barrel milling cutter, conical form α/2 = 18° PPC, TiAlN, ∅ f8 DC / R2: 16/1000 mm

Order data

Order number	207532 16/1000
GTIN	4045197922687
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: 4
Helix angle: 30 degrees
No. of teeth Z: 4
Flute length L_c: 16 mm
Effective radius R_2: 1000 mm
Corner radius R_1: 4 mm
Overall length L: 90 mm
Shank ∅ D_s: 16 mm

Technical description

Feed f_z for side milling in steel < 900 N/mm^2	0.09 mm

Overall length L	90 mm
No. of teeth Z	4
Shank ⌀ D_s	16 mm
Feed f_z for copy milling in steel < 900 N/mm^2	0.11 mm
Flute length L_c	16 mm
Effective radius R_2	1000 mm
Corner radius R_1	4 mm
Helix angle	30 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal ⌀	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