Garant

Solid carbide barrel milling cutter, short conical form α/2 = 72° PPC, TiAlN, ∅ f8 Dc / Rw: 12/100 mm

Order data

Order number	207556 12/100
GTIN	4062406131111
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_W 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_s: 2.5 mm
R_W effective radius: 100 mm
Corner radius RS_1: 2 mm
Overall length L_{tot}: 100 mm
Shank ∅: 12 mm

Technical description

Helix angle	30 degrees
Cutter ∅ D_c	12 mm
Flute length L_s	2.5 mm

Corner radius RS_1	2 mm
R_W effective radius	100 mm
Overall length L_{tot}	100 mm
Shank ∅	12 mm
Feed f_z for side milling in steel < 60 HRC	0.035 mm
Correction factor f_z	1.25
No. of teeth Z	5
Feed f_z for copy milling in steel < 60 HRC	0.04 mm
Minimum tool overhang	2.5 mm
Coating	TiAlN
Tool material	Solid carbide
Norm	Manufacturer's standard
Type	N
Tolerance nominal ∅	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
Skaft	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	PPC
Colour ring	red

Services

Shank grinding Type HB	129100 HB