



Solid carbide barrel milling cutter, short conical form $\alpha/2 = 81^\circ$ PPC, TiAlN, \emptyset f8 Dc / Rw: 12/100 mm



Order data

Order number	207559 12/100
GTIN	4062406131128
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 : 1.7 mm

R_w effective radius: 100 mm

Corner radius RS_1 : 4 mm

Overall length L_{tot} : 100 mm

Shank \emptyset : 12 mm

Technical description

Flute length L_s	1.7 mm
No. of teeth Z	5
Shank \emptyset	12 mm

Cutter $\varnothing D_c$	12 mm
Feed f_z for side milling in steel < 60 HRC	0.035 mm
Overall length L_{tot}	100 mm
R_w effective radius	100 mm
Helix angle	30 degrees
Correction factor f_z	1.25
Corner radius RS_1	4 mm
Feed f_z for copy milling in steel < 60 HRC	0.04 mm
Minimum tool overhang	1.7 mm
Coating	TiAlN
Tool material	Solid carbide
Norm	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
Skaft	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	PPC
Colour ring	red

Services

Shank grinding Type HB	129100 HB
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