

Garant

Solid carbide barrel milling cutter, short conical form $\alpha/2 = 72^\circ$ PPC, TiAlN, \emptyset f8 DC / R2: 8/180 mm



Order data

Order number	207546 8/180
GTIN	4045197938220
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 interferences.

No. of teeth Z: 3

Helix angle: 30 degrees

No. of teeth Z: 3

Flute length L_c : 1.9 mm

Effective radius R_2 : 180 mm

Corner radius R_1 : 1.5 mm

Overall length L: 80 mm

Shank $\emptyset D_s$: 8 mm

Technical description

No. of teeth Z	3
Helix angle	30 degrees
Feed f_z for copy milling in steel < 900 N/mm ²	0.065 mm
Flute length L_c	1.9 mm

Corner radius R_1	1.5 mm
Overall length L	80 mm
Cutting edge $\varnothing D_c$	8 mm
Shank $\varnothing D_s$	8 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.055 mm
Effective radius R_2	180 mm
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	$0.05 \times D$ for side milling
Cutting width a_e for milling operation	$0.05 \times D$ for copy 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
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