

## Garant

**Solid carbide barrel milling cutter, short conical form  $\alpha/2 = 81^\circ$  PPC, TiAlN,  $\emptyset$  f8 DC / R2: 8/180 mm**



### Order data

Order number	207549 8/180
GTIN	4045197938244
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  $L_c$ : 1.4 mm

Effective radius  $R_2$ : 180 mm

Corner radius  $R_1$ : 3 mm

Overall length L: 80 mm

Shank  $\emptyset D_s$ : 8 mm

### Technical description

Flute length $L_c$	1.4 mm
Overall length L	80 mm
Effective radius $R_2$	180 mm
Cutting edge $\emptyset D_c$	8 mm

Corner radius $R_1$	3 mm
Shank $\varnothing D_s$	8 mm
No. of teeth Z	3
Helix angle	30 degrees
Feed $f_z$ for copy milling in steel $< 900 \text{ N/mm}^2$	0.065 mm
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.055 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 copy milling
Cutting width $a_e$ for milling operation	$0.05 \times D$ 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
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