

## Garant

**Solid carbide barrel milling cutter, short conical form  $\alpha/2 = 63^\circ$  PPC, DLC,  $\varnothing$  f8  
DC / R2: 8/180 mm**



### Order data

Order number	207542 8/180
GTIN	4045197989093
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 interference contours.

No. of teeth Z: 3

Helix angle: 30 degrees

No. of teeth Z: 3

Flute length  $L_c$ : 2.4 mm

Effective radius  $R_2$ : 180 mm

Corner radius  $R_1$ : 1.5 mm

Overall length L: 80 mm

Shank  $\varnothing D_s$ : 8 mm

### Technical description

Effective radius $R_2$	180 mm
No. of teeth Z	3
Cutting edge $\varnothing D_c$	8 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.055 mm

Shank $\varnothing D_s$	8 mm
Corner radius $R_1$	1.5 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.065 mm
Overall length L	80 mm
Helix angle	30 degrees
Flute length $L_c$	2.4 mm
Coating	DLC
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×D for side milling
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Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	PPC
Colour ring	yellow
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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