



Solid carbide barrel milling cutter, tangential form PPC, TiAlN, Ø f8 Dc / Rw: 6/45 mm



Order data

Order number	207522 6/45
GTIN	4062406130923
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.

The end face geometry is designed so that the chips, especially those formed by the end radius, are of optimum shape and have optimum evacuation characteristics. For this purpose the number of cutting edges is reduced to the number of effective end face cutting edges.

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!

No. of teeth Z: 6

Helix angle: 30 degrees

No. of teeth Z: 6

Flute length L_f : 14 mm

R_w effective radius: 45 mm

Corner radius RS_1 : 1 mm

Overall length L_{tot} : 60 mm

Shank Ø: 6 mm

Technical description

Corner radius RS_1	1 mm
Overall length L_{tot}	60 mm

Shank Ø	6 mm
No. of teeth Z	6
Feed f_z for side milling in steel < 60 HRC	0.02 mm
Cutter Ø D_c	6 mm
R_w effective radius	45 mm
Helix angle	30 degrees
Correction factor f_z	1.25
Flute length L_s	14 mm
Feed f_z for copy milling in steel < 60 HRC	0.025 mm
Minimum tool overhang	14 mm
Coating	TiAlN
Tool material	Solid carbide
Norm	Manufacturer's standard
Type	N
Tolerance nominal Ø	f8
Direction of infeed	horizontal
Cutting width a_e for milling operation	0.05×D for copy 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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