

Garant

Solid carbide barrel milling cutter, straight form PPC, TiAlN, Ø f8 DC / R2: 12/70 mm



Order data

Order number	207520 12/70
GTIN	4045197922625
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:

As an oversize for finishing operations we recommend 0.05 to 0.2 mm.

Note:

R_2 represents the effective radius on the tool.

Cannot be reground!

No. of teeth Z: 5

Helix angle: 30 degrees

No. of teeth Z: 5

Flute length L_c : 23 mm

Effective radius R_2 : 70 mm

Corner radius R_1 : 1 mm

Overhang length L_1 incl. recess: 36 mm

Recess $\varnothing D_1$: 10 mm

Technical description

Overhang length L_1 incl. recess	36 mm
Recess $\varnothing D_1$	10 mm
No. of teeth Z	5
Feed f_z for copy milling in steel < 900 N/mm ²	0.09 mm

Shank $\varnothing D_s$	12 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.07 mm
Flute length L_c	23 mm
Overall length L	83 mm
Effective radius R_2	70 mm
Corner radius R_1	1 mm
Helix angle	30 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	f8
Spacing of the cutters	unequal spacing
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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