

Garant

**Solid carbide barrel milling cutter, conical form $\alpha/2=27^\circ$ PPC, TiAlN, \varnothing f8 DC /
Rw: 16/300mm**


Order data

Order number	207528 16/300
GTIN	4062406131005
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:

For machining walls and overcoming obstructions.

R_w represents the effective radius on the tool.

Cannot be reground!

Technical description

Overall length L	90 mm
Shank $\varnothing D_s$	16 mm
Flute length L_c	12.5 mm
Helix angle	30 degrees
Feed f_z for side milling in steel < 60 HRC	0.05 mm
Corner radius R_1	3 mm

No. of teeth Z	8
Cutting edge Ø D _c	16 mm
Effective radius R ₂	300 mm
Feed f _z for copy milling in steel < 60 HRC	0.06 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	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	red
Type of product	Ball-nosed slot drill

User data

	Suitability	V _c	ISO code
Steel < 1400 N/mm ²	suitable	200 m/min	P
Steel < 55 HRC	suitable	170 m/min	H
Steel < 60 HRC	suitable	150 m/min	H
Steel < 65 HRC	suitable	110 m/min	H
wet maximum	suitable		
dry	suitable		
Air	suitable		

Services

Shank grinding Type HB

129100 HB