

Garant

Solid carbide barrel milling cutter, straight form PPC, DLC, Ø f8 DC / R2: 10/60mm



Order data

Order number	207514 10/60
GTIN	4045197985699
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:

R₂ represents the effective radius on the tool.
Cannot be reground!

Technical description

No. of teeth Z	5
Helix angle	30 degrees
Flute length L _c	21.5 mm
Feed f _z for side milling in short-chipping aluminium	0.06 mm
Shank Ø D _s	10 mm
Effective radius R ₂	60 mm
Recess Ø D ₁	8 mm
Overall length L	72 mm
Cutting edge Ø D _c	10 mm

Feed f_z for copy milling in short-chipping aluminium	0.08 mm
Corner radius R_1	1 mm
Overhang length L_1 incl. recess	30 mm
Coating	DLC
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×D for copy milling
Cutting width a_e for milling operation	0.05×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	PPC
Colour ring	yellow
Type of product	Ball-nosed slot drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	330 m/min	N
Aluminium (short chipping)	suitable	300 m/min	N
Alu > 10% Si	suitable	230 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable		

Services

Shank grinding Type HB

129100 HB