Garant

GARANT Master Titan solid carbide ball nose slot drill HPC, TiAlN, ∅ f8 DC / DS: 5 mm

Order data

Order number	207487 5
GTIN	4045197989680
Item class	11Z

Description

Version:
Special geometry for machining **titanium and titanium alloys.**
4 centre cutting edges to the centre.
Therefore can be used as a **true 4-edge cutter** at all depths of cut.
Tolerance: Radius contour = **±0.005 mm.**
Note:
Regrinding not recommended.
No. of teeth Z: 4
Helix angle: 45 degrees
No. of teeth Z: 4
Flute length L_c: 9 mm
Overall length L: 80 mm
Shank ∅ D_s: 6 mm
Feed f_z for side milling in titanium > 850 N/mm^2: 0.02 mm
Feed f_z for copy milling in titanium > 850 N/mm^2: 0.024 mm

Technical description

Feed f_z for copy milling in titanium > 850 N/mm^2	0.024 mm
Shank ∅ D_s	6 mm
Helix angle	45 degrees
Feed f_z for side milling in titanium > 850 N/mm^2	0.02 mm
Overall length L	80 mm

Flute length L_c	9 mm
Correction factor for v_c	1.25
Cutting edge ∅ D_C	5 mm
No. of teeth Z	4
Radius R	2.5 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal ∅	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	0.5×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	End mill

Services

Shank grinding Type HB	129100 HB