Garant

GARANT Master Titan solid carbide ball nose slot drill HPC, TiAlN, ∅ f8 DC / DS: 8mm

Order data

Order number	207482 8
GTIN	4045197989611
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 °
No. of teeth Z: 4
Flute length L_c: 12 mm
Overall length L: 58 mm
Shank ∅ D_s: 8 mm
Feed f_z for side milling in titanium > 850 N/mm^2: 0.04 mm
Feed f_z for copy milling in titanium > 850 N/mm^2: 0.048 mm

Technical description

No. of teeth Z	4
Correction factor for v_c	1.25
Helix angle	45 °
Overall length L	58 mm
Feed f_z for copy milling in titanium > 850 N/mm^2	0.048 mm

Cutting edge ⌀ D_C	8 mm
Shank ⌀ D_s	8 mm
Flute length L_c	12 mm
Feed f_z for side milling in titanium > 850 N/mm²	0.04 mm
Radius R	4 mm
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	0.05×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	Ball-nosed slot drill

User data

	Suitability	V_c	ISO code
Ti > 850 N/mm²	suitable	60 m/min	S
wet maximum	suitable		

Services

Shank grinding Type HB	129100 HB