

Garant
GARANT Master Titan solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 12 mm

Order data

Order number	207487 12
GTIN	4045197989727
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 : 16 mm

Overall length L: 100 mm

Shank $\varnothing D_s$: 12 mm

Feed f_z for side milling in titanium > 850 N/mm²: 0.07 mm

Feed f_z for copy milling in titanium > 850 N/mm²: 0.084 mm

Technical description

Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Flute length L_c	16 mm
Feed f_z for side milling in titanium > 850 N/mm ²	0.07 mm
Correction factor for v_c	1.25

Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$	0.084 mm
Overall length L	100 mm
No. of teeth Z	4
Helix angle	45 degrees
Radius R	6 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.5×D for side milling
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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
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