

Garant
GARANT Master Titan solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 3 mm

Order data

Order number	207482 3
GTIN	4045197989574
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 = $\pm 0.005 \text{ mm}$.

Note:

Regrinding not recommended.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

 Flute length L_c : 5 mm

Overall length L: 54 mm

 Shank $\varnothing D_s$: 6 mm

 Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$: 0.015 mm

 Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$: 0.018 mm

Technical description

Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$	0.018 mm
Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$	0.015 mm
Helix angle	45 degrees
Overall length L	54 mm
Cutting edge $\varnothing D_c$	3 mm

Shank Ø D _s	6 mm
Flute length L _c	5 mm
Correction factor for v _c	1.25
No. of teeth Z	4
Radius R	1.5 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	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	End mill

Services

Shank grinding Type HB	129100 HB
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