

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

**Order data**

Order number	207487 8
GTIN	4045197989703
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 =  $\pm 0.005$  mm.

**Note:**

Regrinding not recommended.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 12 mm

Overall length L: 100 mm

Shank  $\varnothing D_s$ : 8 mm

Feed  $f_z$  for side milling in titanium  $> 850$  N/mm<sup>2</sup>: 0.04 mm

Feed  $f_z$  for copy milling in titanium  $> 850$  N/mm<sup>2</sup>: 0.048 mm

**Technical description**

Correction factor for $v_c$	1.25
No. of teeth Z	4
Overall length L	100 mm
Shank $\varnothing D_s$	8 mm
Feed $f_z$ for side milling in titanium $> 850$ N/mm <sup>2</sup>	0.04 mm

Helix angle	45 degrees
Flute length $L_c$	12 mm
Cutting edge $\varnothing D_c$	8 mm
Feed $f_z$ for copy milling in titanium $> 850 \text{ N/mm}^2$	0.048 mm
Radius R	4 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	$0.5 \times D$ for side milling
Cutting width $a_e$ for milling operation	$0.5 \times D$ 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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