

**Garant**
**GARANT Master Titan solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 4mm**

**Order data**

Order number	207487 4
GTIN	4045197989673
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.

**Technical description**

No. of teeth Z	4
Cutting edge Ø D <sub>c</sub>	4 mm
Overall length L	80 mm
Feed f <sub>z</sub> for copy milling in titanium > 850 N/mm <sup>2</sup>	0.021 mm
Flute length L <sub>c</sub>	8 mm
Shank Ø D <sub>s</sub>	6 mm
Feed f <sub>z</sub> for side milling in titanium > 850 N/mm <sup>2</sup>	0.018 mm
Helix angle	45 degrees
Correction factor for v <sub>c</sub>	1.25
Radius R	2 mm
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	Ball-nosed slot drill

## User data

	Suitability	$V_c$	ISO code
Ti > 850 N/mm <sup>2</sup>	suitable	50 m/min	S
wet maximum	suitable		

## Services

Shank grinding Type HB	129100 HB
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