

Garant**GARANT Master Titan solid carbide ball nose milling cutter HPC, TiAlN, Ø f8
DC / DS: 10mm****Order data**

Order number	207482 10
GTIN	4045197989628
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

Flute length L_c	14 mm
Overall length L	66 mm
Cutting edge $\varnothing D_c$	10 mm
Correction factor for v_c	1.25
No. of teeth Z	4
Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$	0.06 mm
Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$	0.072 mm
Shank $\varnothing D_s$	10 mm
Helix angle	45 degrees
Radius R	5 mm

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	$0.5 \times D$ for side milling
Cutting width a_e for milling operation	$0.05 \times D$ 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/mm ²	suitable	60 m/min	S
wet maximum	suitable		

Services

Shank grinding Type HB	129100 HB
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