

Garant
GARANT Master Titan solid carbide milling cutter HPC, TiAlN, Ø DC: 3mm

Order data

Order number	203029 3
GTIN	4045197991522
Item class	11Z

Description
Version:

Specially ground with **corner radii similar to torus cutters.**

Application:

For milling **titanium and titanium alloys**, with very smooth cutting action for optimum tool life and top metal removal rate.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 40 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 8 mm

Overhang length L_1 incl. recess: 13 mm

Recess Ø D_1 : 2.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Feed f_z for side milling in titanium > 850 N/mm ²	0.015 mm
Tolerance nominal Ø	e8
Recess Ø D_1	2.8 mm
Shank Ø D_s	6 mm
No. of teeth Z	4

Shank	DIN 6535 HA to h6
Flute length L_c	8 mm
Helix angle	40°
Cutting edge $\varnothing D_c$	3 mm
Feed f_z for slot milling in titanium > 850 N/mm ²	0.012 mm
Overhang length L_1 incl. recess	13 mm
Overall length L	57 mm
Direction of infeed	horizontal, oblique and vertical
Corner rounding r_v	0.2 mm
Series	Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Cutting width a_e for milling operation	0.3xD for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	End / face mill

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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