

Garant
GARANT Master Titan solid carbide milling cutter HPC, TiAlN, Ø DC: 5mm

Order data

Order number	203029 5
GTIN	4045197991751
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.

Technical description

Flute length L_c	13 mm
Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$	0.022 mm
Feed f_z for slot milling in titanium $> 850 \text{ N/mm}^2$	0.018 mm
Recess $\varnothing D_1$	4.8 mm
Shank $\varnothing D_s$	6 mm
Helix angle	40 degrees
Tolerance nominal $\varnothing$	e8
No. of teeth Z	4
Overall length L	57 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Cutting edge $\varnothing D_c$	5 mm

Overhang length L_1 incl. recess	18 mm
Corner rounding r_v	0.1 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 $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ 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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