

Garant

GARANT Master Titan solid carbide milling cutter HPC, TiAlN, Ø DC: 6 mm



Order data

Order number	203029 6
GTIN	4045197991768
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 lives and top metal removal rate.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 20 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Flute length L_c	13 mm
Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$	0.026 mm
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal Ø	e8
No. of teeth Z	4

Cutting edge $\varnothing D_c$	6 mm
Overhang length L_1 incl. recess	20 mm
Feed f_z for slot milling in titanium $> 850 \text{ N/mm}^2$	0.022 mm
Shank	DIN 6535 HA to h6
Overall length L	57 mm
Helix angle	40 degrees
Recess $\varnothing D_1$	5.8 mm
Shank $\varnothing D_s$	6 mm
Corner rounding r_v	0.1 mm
Series	GARANT 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 mill

Services

Shank grinding Type HB	129100 HB
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