

Garant

GARANT Master Titan solid carbide milling cutter HPC/TPC, TiAlN, Ø e8 DC: 12 mm



Order data

Order number	203157 12
GTIN	4045197989789
Item class	11Z

Description

Version:

For roughing and finishing at very high feed rates and smooth cutting action for the best tool life and high metal removal rate.

Specially ground with corner radii similar to torus cutters and **special coating**.

Dimensions to DIN 6527 long.

Application:

For milling **titanium and titanium alloys**.

Note:

Can be reground when used as a TPC milling cutter.

Tolerance nominal Ø: e8

No. of teeth Z: 5

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 5

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Overall length L	83 mm
Flute length L_c	26 mm

Feed f_z for side milling in titanium > 850 N/mm ²	0.05 mm
Helix angle	40 degrees
Recess $\varnothing D_1$	11.6 mm
Shank $\varnothing D_s$	12 mm
Overhang length L_1 incl. recess	38 mm
No. of teeth Z	5
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for slot milling in titanium > 850 N/mm ²	0.04 mm
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8
Corner rounding r_v	0.2 mm
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Cutting width a_e for milling operation	0.3xD for side milling
Cutting width a_e for milling operation	0,08xD
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	pink
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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