

Garant
GARANT Master Titan solid carbide milling cutter HPC/TPC, TiAlN, Ø e8 DC: 16 mm

Order data

Order number	203157 16
GTIN	4045197989796
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 : 32 mm

Overhang length L_1 incl. recess: 44 mm

Recess Ø D_1 : 15.5 mm

Overall length L: 92 mm

Shank Ø D_s : 16 mm

Technical description

Cutting edge Ø D_c	16 mm
Recess Ø D_1	15.5 mm

Overall length L	92 mm
No. of teeth Z	5
Overhang length L ₁ incl. recess	44 mm
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical
Feed f _z for side milling in titanium > 850 N/mm ²	0.065 mm
Flute length L _c	32 mm
Shank	DIN 6535 HA to h6
Helix angle	40 degrees
Shank Ø D _s	16 mm
Feed f _z for slot milling in titanium > 850 N/mm ²	0.05 mm
Corner rounding r _v	0.3 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 1×D
Cutting width a _e for milling operation	0.3×D for side milling
Cutting width a _e for milling operation	0,08×D
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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