

Garant

GARANT Master Titan solid carbide milling cutter HPC/TPC, TiAlN, Ø e8 DC: 8mm



Order data

Order number	203157 8
GTIN	4045197989765
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.

Technical description

Tolerance nominal Ø	e8
Shank	DIN 6535 HA to h6
Overhang length L ₁ incl. recess	25 mm
Shank Ø D _s	8 mm
Helix angle	40 degrees
Overall length L	63 mm
Feed f _z for side milling in titanium > 850 N/mm ²	0.034 mm
No. of teeth Z	5
Direction of infeed	horizontal, oblique and vertical

Recess $\varnothing D_1$	7.7 mm
Cutting edge $\varnothing D_c$	8 mm
Feed f_z for slot milling in titanium $> 850 \text{ N/mm}^2$	0.028 mm
Flute length L_c	19 mm
Corner rounding r_v	0.2 mm
Series	Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	$0,08 \times D$
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	pink
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Ti $> 850 \text{ N/mm}^2$	suitable	60 m/min	S
wet maximum	suitable		

Services

Shank grinding Type HB	129100 HB
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