

Garant
GARANT Master Titan solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 4 mm

Order data

Order number	206286 4
GTIN	4045197990099
Item class	11Z

Description
Version:

Tolerance: Corner radius $R_1 = \pm 0.01 \text{ mm}$.

Special centre cutting edge geometry for traverse milling at very high feed rates.

Application:

For copy and traverse milling of titanium under HPC conditions.

Using special milling strategies **very high rates of metal removal can be achieved.**

Note:

Regrounding not recommended.

No. of teeth Z: 2

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Dimension $a_{p \max}$ transverse: 0.25 mm

Programming radius: 0.5 mm

Flute length L_c : 2.5 mm

Overhang length L_1 incl. recess: 16 mm

Recess Ø D_1 : 3.6 mm

Technical description

Shank Ø D_s	6 mm
Recess Ø D_1	3.6 mm
No. of teeth Z	2
Overall length L	57 mm
Flute length L_c	2.5 mm

Cutting edge $\varnothing D_c$	4 mm
Overhang length L_1 incl. recess	16 mm
Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$	0.061 mm
Programming radius	0.5 mm
Dimension $a_{p \max}$ transverse	0.25 mm
Setting angle κ	10.5 degrees
Series	GARANT Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h9
Helix angle	15 degrees
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	$0.05 \times D$ for copy milling
Shank	DIN 6535 HA to h6
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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