

Garant

GARANT Master Titan solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 2mm



Order data

Order number	206286 2
GTIN	4045197991317
Item class	11Z

Description

Version:

Tolerance: Corner radius $R_1 = \pm 0.01$ 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:

Regrinding not recommended.

No. of teeth Z: 2

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Dimension $a_{p\max}$ transverse: 0.15 mm

Programming radius: 0.3 mm

Flute length L_c : 1.5 mm

Overhang length L_1 incl. recess: 13 mm

Recess $\varnothing D_1$: 1.7 mm

Technical description

Overall length L	54 mm
Recess $\varnothing D_1$	1.7 mm
Flute length L_c	1.5 mm
No. of teeth Z	2
Cutting edge $\varnothing D_c$	2 mm

Shank $\varnothing D_s$	6 mm
Overhang length L_1 incl. recess	13 mm
Dimension $a_{p\max}$ transverse	0.15 mm
Programming radius	0.3 mm
Setting angle κ	11 °
Feed f in titanium > 850 N/mm ²	0.018 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	h9
Helix angle	15 °
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	End torus mill

User data

	Suitability	V_c	ISO code
Ti > 850 N/mm ²	suitable	90 m/min	S
wet maximum	suitable		

Services

Shank grinding Type HB	129100 HB
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