

Garant
GARANT Master Titan solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 6mm

Order data

Order number	206286 6
GTIN	4045197991706
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.

Technical description

Shank Ø D_s	6 mm
Overall length L	65 mm
Cutting edge Ø D_c	6 mm
No. of teeth Z	4
Flute length L_c	3.5 mm
Overhang length L_1 incl. recess	20 mm
Recess Ø D_1	5.2 mm
Programming radius	1 mm
Dimension $a_{p\ max}$ transverse	0.4 mm
Setting angle κ	12.5 degrees

Feed f in titanium > 850 N/mm ²	0.082 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	h9
Helix angle	15 degrees
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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