

Garant

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



Order data

Order number	206286 4
GTIN	4045197990099
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
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 Ø D_c	4 mm
Overhang length L_1 incl. recess	16 mm
Programming radius	0.5 mm
Dimension $a_{p\ max}$ transverse	0.25 mm
Setting angle κ	10.5 degrees

Feed f in titanium > 850 N/mm ²	0.061 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
------------------------	-----------