

Garant

GARANT Master Titan solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 10 mm



Order data

Order number	206286 10
GTIN	4045197991720
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: 5

No. of teeth Z: 5

Dimension $a_{p\max}$ transverse: 0.7 mm

Programming radius: 2 mm

Flute length L_c : 5.8 mm

Overhang length L_1 incl. recess: 26 mm

Recess $\varnothing D_1$: 9 mm

Technical description

Cutting edge $\varnothing D_c$	10 mm
No. of teeth Z	5
Overall length L	85 mm
Flute length L_c	5.8 mm
Shank $\varnothing D_s$	10 mm

Overhang length L_1 incl. recess	26 mm
Recess $\varnothing D_1$	9 mm
Dimension $a_{p\max}$ transverse	0.7 mm
Feed f_z for copy milling in titanium $> 850 \text{ N/mm}^2$	0.14 mm
Programming radius	2 mm
Setting angle κ	15 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
------------------------	-----------