

## Garant

### GARANT Master Titan solid carbide milling cutter with more chip separators TPC, TiAlN, Ø e8 DC: 16mm



#### Order data

Order number	203124 16
GTIN	4062406120269
Item class	11Z

#### Description

##### Version:

**High-performance milling cutter** specially designed for general-purpose TPC applications. Strengthened core.

**Optimised bending strength** due to the use of ultra-fine grain substrates.

##### Application:

Especially for milling **titanium and titanium alloys**.

##### Note:

$h_{max}$ : The values stated in the table are maximum values.

$a_{e,max}$ : =  $0.04 \times D$  for TPC machining.

#### Technical description

Cutting edge Ø $D_c$	16 mm
Helix angle	40 degrees
Flute length $L_c$	64 mm
Tolerance nominal Ø	e8
Shank Ø $D_s$	16 mm
No. of teeth Z	6
Direction of infeed	horizontal and oblique
Average chip thickness $h_{max}$ for TPC milling in titanium > 850 N/mm <sup>2</sup>	0.068 mm

Overall length L	120 mm
Balance quality with shank	G 2.5 with HB
Shank	DIN 1835 B to h5
Corner rounding $r_v$	0.3 mm
Series	Master Titan
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	$0.04 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	pink
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Ti > 850 N/mm <sup>2</sup>	suitable	100 m/min	S
wet maximum	suitable		