

Garant

GARANT Master Titan solid carbide milling cutter with more chip separators TPC, TiAlN, Ø e8 DC: 10 mm



Order data

Order number	203124 10
GTIN	4062406120245
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.

Tolerance nominal Ø: e8

No. of teeth Z: 6

Helix angle: 40 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 1835 B to h5

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 6

Flute length L_c : 40 mm

Overall length L: 90 mm

Shank Ø D_s : 10 mm

Corner rounding r_v : 0.2 mm

Average chip thickness h_{max} for TPC milling in titanium $> 850 \text{ N/mm}^2$: 0.048 mm

Technical description

Balance quality with shank	G 2.5 with HB
----------------------------	---------------

Shank $\varnothing D_s$	10 mm
Shank	DIN 1835 B to h5
No. of teeth Z	6
Helix angle	40 degrees
Overall length L	90 mm
Cutting edge $\varnothing D_c$	10 mm
Average chip thickness h_{max} for TPC milling in titanium > 850 N/mm ²	0.048 mm
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal and oblique
Flute length L_c	40 mm
Corner rounding r_v	0.2 mm
Series	GARANT 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	0.04xD
Through-coolant	no
Machining strategy	TPC
Colour ring	pink
Type of product	End mill