

GARANT Master Titan HSS-PM roughing end mill HPC, TiAlN, \varnothing k10 DC / R1: 16/2,0mm



Order data

Order number	192945 16/2,0		
GTIN	4062406300395		
Item class	11Z		

Description

Version:

Innovative knurled profile and optimised flute geometry for a evacuating a high volume of chips at very high process reliability. Increased tool life due to precise alignment of the throughcoolant with the cutting edges.

Advantage:

New type of tool material; problem solver under unstable machining conditions.

Technical description

Overall length L	123 mm		
Cutting edge Ø D _c	16 mm		
Shank	DIN 6535 HB to h6		
Shank Ø D _s	16 mm		
Direction of infeed	horizontal, oblique and vertical		
Recess Ø D ₁	15 mm		
Flute length L _c	63 mm		
Helix angle	40 degrees		
No. of teeth Z	4		
Overhang length L ₁ incl. recess	73 mm		
Feed f_z for side milling in titanium > 850 N/mm ²	0.025 mm		



Feed f_z for side milling in INOX > 900 N/mm ²	0.025 mm		
Tolerance nominal Ø	k10		
Corner radius R ₁	2 mm		
Series	Master Titan		
Coating	TiAIN		
Tool material	HSS PM		
Standard	DIN 844		
Milling profile	HR		
Helix angle characteristic	unequal spacing		
Spacing of the cutters	unequal spacing		
Cutting width a _e for milling operation	0.3×D for side milling		
Through-coolant	no		
Machining strategy	HPC		
Colour ring	pink		
Type of product	End / face mill		

User data

	Suitability	\mathbf{V}_{c}	ISO code
INOX < 900 N/mm ²	suitable	30 m/min	М
INOX > 900 N/mm ²	suitable	28 m/min	М
Ti > 850 N/mm ²	suitable	28 m/min	S
wet maximum	suitable		