

Garant

GARANT Master Titan HSS-PM roughing end mill HPC, TiAlN, Ø k10 DC / R1: 32/4,0 mm



Order data

Order number	192945 32/4,0
GTIN	4062406300463
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 through-coolant with the cutting edges.

Advantage:

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

Tolerance nominal Ø: k10

No. of teeth Z: 6

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 6

Corner radius R_1 : 4 mm

Flute length L_c : 106 mm

Overhang length L_1 incl. recess: 123 mm

Recess Ø D_1 : 31 mm

Overall length L: 186 mm

Technical description

Shank	DIN 6535 HB to h6
Shank Ø D_s	32 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	40 degrees

Overall length L	186 mm
Tolerance nominal \varnothing	k10
Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm
No. of teeth Z	6
Flute length L_c	106 mm
Feed f_z for side milling in titanium > 850 N/mm ²	0.05 mm
Recess $\varnothing D_1$	31 mm
Overhang length L_1 incl. recess	123 mm
Cutting edge $\varnothing D_c$	32 mm
Corner radius R_1	4 mm
Series	GARANT Master Titan
Coating	TiAlN
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 mill