

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

Order data

Order number	192940 32/4,0
GTIN	4062406300388
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.

Technical description

Tolerance nominal Ø	k10
Overall length L	133 mm
Feed f_z for side milling in titanium $> 850 \text{ N/mm}^2$	0.07 mm
Flute length L_c	53 mm
No. of teeth Z	6
Shank Ø D_s	32 mm
Recess Ø D_1	31 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	40 degrees
Shank	DIN 6535 HB to h6

Overhang length L_1 incl. recess	70 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.06 mm
Cutting edge $\varnothing D_c$	32 mm
Corner radius R_1	4 mm
Series	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	0.5×D for side milling
Through-coolant	yes
Machining strategy	HPC
Colour ring	pink
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
INOX < 900 N/mm ²	suitable	30 m/min	M
INOX > 900 N/mm ²	suitable	28 m/min	M
Ti > 850 N/mm ²	suitable	28 m/min	S
wet maximum	suitable		