Garant

Solid carbide roughing end mill MTC / TPC, TiAlN, ⌀ f8 DC: 5 mm

Order data

Order number	202981 5
GTIN	4062406245443
Item class	11X

Description

Version:
Significant cutting force reduction due to 45° helix.
Specially for **trochoidal milling strategy**.
Application:
Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.
Note:
For materials > 55 HRC we recommend reducing the depth of cut to a_p=0.25×D...0.5×D.
Tolerance nominal ⌀: f8
No. of teeth Z: 4
Helix angle: 45 degrees
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length L_c: 17 mm
Overhang length L_1 incl. recess: 24 mm
Recess ⌀ D_1: 4.7 mm
Overall length L: 62 mm
Shank ⌀ D_s: 6 mm

Technical description

Tolerance nominal ⌀	f8
Shank ⌀ D_s	6 mm
Cutting edge ⌀ D_C	5 mm
Shank	DIN 6535 HB to h6

Overall length L	62 mm
Feed f_z for slot milling in steel < 60 HRC	0.01 mm
Overhang length L_1 incl. recess	24 mm
Recess Ø D_1	4.7 mm
Flute length L_c	17 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in steel < 60 HRC	0.015 mm
No. of teeth Z	4
Helix angle	45 degrees
Corner rounding r_v	0.1 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.1×D
Cutting width a_e for milling operation	0.2×D for side milling
Through-coolant	no
Machining strategy	TPC
Machining strategy	MTC
Colour ring	red
Type of product	End mill