

Garant
Solid carbide roughing end mill MTC / TPC, TiAlN, Ø f8 DC: 4 mm

Order data

Order number	202979 4
GTIN	4062406245153
Item class	11X

Description
Version:

Significant cutting force reduction due to 45° helix.

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 $a_p = 0.25 \times D \dots 0.5 \times D$.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 11 mm

Overhang length L_1 incl. recess: 18 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Feed f_z for side milling in steel < 60 HRC	0.01 mm
Overall length L	57 mm
Overhang length L_1 incl. recess	18 mm
Flute length L_c	11 mm
Recess Ø D_1	3.8 mm

Helix angle	45 degrees
Cutting edge $\varnothing D_c$	4 mm
Feed f_z for slot milling in steel < 60 HRC	0.008 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	6 mm
No. of teeth Z	4
Tolerance nominal \varnothing	f8
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	0.1×D
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.15×D for side milling
Through-coolant	no
Machining strategy	MTC
Machining strategy	TPC
Colour ring	red
Type of product	End mill