

Garant
Solid carbide roughing end mill MTC / TPC, TiAlN, Ø f8 DC: 8 mm

Order data

Order number	202979 8
GTIN	4062406245184
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 : 21 mm

Overhang length L_1 incl. recess: 25 mm

Recess Ø D_1 : 7.4 mm

Overall length L: 63 mm

Shank Ø D_s : 8 mm

Technical description

Recess Ø D_1	7.4 mm
Overhang length L_1 incl. recess	25 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	45 degrees
Cutting edge Ø D_c	8 mm

Feed f_z for side milling in steel < 60 HRC	0.025 mm
Flute length L_c	21 mm
Tolerance nominal \varnothing	f8
Feed f_z for slot milling in steel < 60 HRC	0.02 mm
Overall length L	63 mm
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	8 mm
No. of teeth Z	4
Corner rounding r_v	0.2 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

Services

Shank recess Type FRST	209900 FRST
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