

Garant

Solid carbide roughing end mill MTC, TiAlN, Ø f8 DC: 10 mm



Order data

Order number	202982 10
GTIN	4045197459848
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 HB to h6

No. of teeth Z: 4

Flute length L_c : 20 mm

Overhang length L_1 incl. recess: 60 mm

Recess Ø D_1 : 9.2 mm

Overall length L: 100 mm

Shank Ø D_s : 10 mm

Technical description

Corner chamfer width at 45°	0.15 mm
Cutting edge Ø D_c	10 mm
Feed f_z for side milling in steel < 60 HRC	0.03 mm
No. of teeth Z	4
Recess Ø D_1	9.2 mm

Overhang length L_1 incl. recess	60 mm
Shank $\varnothing D_s$	10 mm
Overall length L	100 mm
Flute length L_c	20 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	f8
Helix angle	45 degrees
Feed f_z for slot milling in steel < 60 HRC	0.025 mm
Corner chamfer angle	45 degrees
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 $1 \times D$
Cutting width a_e for milling operation	$0.15 \times D$ for side milling
Through-coolant	no
Machining strategy	MTC
Colour ring	red
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
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