

## Garant

### Solid carbide milling cutter MTC / TPC, TiAlN, Ø e8 DC: 8 mm



#### Order data

Order number	203082 8
GTIN	4045197537966
Item class	11X

#### Description

##### Version:

Specially ground with corner radii similar to torus cutters and **special coating** for best tool life and high metal removal rates. Dimensions to DIN 6527 long.

##### Application:

For milling **titanium** and **high temperature steels**.

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Tolerance nominal Ø: e8

No. of teeth Z: 5

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 5

Flute length  $L_c$ : 21 mm

Overhang length  $L_1$  incl. recess: 25 mm

Recess Ø  $D_1$ : 7.7 mm

Overall length L: 63 mm

Shank Ø  $D_s$ : 8 mm

#### Technical description

Overhang length $L_1$ incl. recess	25 mm
No. of teeth Z	5
Cutting edge Ø $D_c$	8 mm
Recess Ø $D_1$	7.7 mm

Feed $f_z$ for side milling in titanium > 850 N/mm <sup>2</sup>	0.034 mm
Shank $\varnothing D_s$	8 mm
Overall length L	63 mm
Flute length $L_c$	21 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	e8
Balance quality with shank	G 2.5 with HB
Helix angle	38 degrees
Corner rounding $r_v$	0.2 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.03×D for copy milling
Cutting width $a_e$ for milling operation	0.08×D
Through-coolant	no
Machining strategy	MTC
Machining strategy	TPC
Colour ring	pink
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
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