

Garant

Solid carbide milling cutter MTC / TPC, TiAlN, Ø e8 DC: 12 mm



Order data

Order number	203082 12
GTIN	4045197537980
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 : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Cutting edge Ø D_c	12 mm
No. of teeth Z	5
Feed f_z for side milling in titanium > 850 N/mm ²	0.05 mm
Recess Ø D_1	11.6 mm

Overhang length L_1 incl. recess	36 mm
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length L_c	26 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	$0.03 \times D$ for copy milling
Cutting width a_e for milling operation	$0.08 \times D$
Through-coolant	no
Machining strategy	MTC
Machining strategy	TPC
Colour ring	pink
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12

