

Garant
Solid carbide high precision milling cutter, TiAlN, Ø f8 DC: 12 mm

Order data

Order number	203530 12
GTIN	4045197352835
Item class	11X

Description
Version:

High stability and **extremely smooth cutting action** due to at least 6 teeth. **Eccentric relief ground.**

With maximum 0.003 mm tapering.

Extremely **high taper accuracy with tolerances in the µm range**, for **precise 90° angles** and plane-parallel surfaces in profile milling.

For the most demanding angular accuracy.

Cutter corner chamfer undefined due to eccentric relief grinding.

Application:

For peripheral milling as a **finishing operation.**

Tolerance nominal Ø: f8

No. of teeth Z: 6

Helix angle: 45 degrees

Direction of infeed: horizontal

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 6

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11.5 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Recess Ø D_1	11.5 mm
----------------	---------

Cutting edge $\varnothing D_c$	12 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Overhang length L_1 incl. recess	36 mm
No. of teeth Z	6
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length L_c	26 mm
Direction of infeed	horizontal
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	f8
Balance quality with shank	G 2.5 with HA
Helix angle	45 degrees
Corner chamfer angle	90 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Milling application	High-precision 90° mono milling tools
Cutting width a_e for milling operation	$0.05 \times D$ for side milling
Through-coolant	no
Colour ring	green
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
	129100 HB

Shank grinding Type HB
