

**Garant**
**Solid carbide high precision milling cutter, TiAlN, Ø f8 DC: 16 mm**

**Order data**

Order number	203540 16
GTIN	4045197509925
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: 8

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: 8

Flute length  $L_c$ : 85 mm

Overall length L: 150 mm

Shank Ø  $D_s$ : 16 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.08 mm

**Technical description**

No. of teeth Z	8
Cutting edge Ø $D_c$	16 mm

Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Shank $\varnothing D_s$	16 mm
Overall length L	150 mm
Flute length $L_c$	85 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	Mono milling tools high-precision $90^\circ$
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 16 mm	SZ2025 16
Shank grinding Type HB	129100 HB