

**Garant**
**Diabolo solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 8 mm**

**Order data**

Order number	203382 8
GTIN	4045197597618
Item class	11X

**Description**
**Version:**
**GARANT Diabolo:**

Special geometry, coating and carbide, specially for hard machining.

**Application:**

**For profile milling as finishing.**

(Plunge cutting only to shallow depths).

Tolerance nominal Ø: e8

No. of teeth Z: 6

Helix angle: 50 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length  $L_c$ : 19 mm

Overhang length  $L_1$  incl. recess: 50 mm

Recess Ø  $D_1$ : 7.7 mm

Overall length L: 100 mm

Shank Ø  $D_s$ : 8 mm

**Technical description**

Recess Ø $D_1$	7.7 mm
Feed $f_z$ for side milling in steel < 65 HRC	0.016 mm
Overhang length $L_1$ incl. recess	50 mm
Cutting edge Ø $D_c$	8 mm
No. of teeth Z	6

Shank $\varnothing D_s$	8 mm
Overall length L	100 mm
Flute length $L_c$	19 mm
Direction of infeed	horizontal and oblique
Shank	DIN 6535 HA to h6
Tolerance nominal $\varnothing$	e8
Helix angle	50 degrees
Corner chamfer angle	90 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Helix angle characteristic	unequal spacing
Cutting width $a_e$ for milling operation	0.05×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB