

**Garant**
**Diabolo solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 6 mm**

**Order data**

Order number	203211 6
GTIN	4045197597403
Item class	11X

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

Special geometry, coating and carbide, specially for hard machining.  
Dimensions similar to DIN 6527.

**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  $L_c$ : 16 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

Feed  $f_z$  for side milling in steel < 65 HRC: 0.016 mm

**Technical description**

Cutting edge Ø $D_c$	6 mm
Feed $f_z$ for side milling in steel < 65 HRC	0.016 mm
No. of teeth Z	6
Shank Ø $D_s$	6 mm
Overall length L	57 mm

Flute length $L_c$	16 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	DIN 6527
Type	H
Helix angle characteristic	unequal spacing
Cutting width $a_e$ for milling operation	$0.05 \times D$ 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