

**Garant**
**Diabolo solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 20 mm**

**Order data**

Order number	203372 20
GTIN	4045197597588
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: 10

Helix angle: 50 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HA to h6

No. of teeth Z: 10

Flute length  $L_c$ : 75 mm

Overall length L: 135 mm

Shank Ø  $D_s$ : 20 mm

Feed  $f_z$  for side milling in steel < 65 HRC: 0.03 mm

**Technical description**

Cutting edge Ø $D_c$	20 mm
No. of teeth Z	10
Feed $f_z$ for side milling in steel < 65 HRC	0.03 mm
Shank Ø $D_s$	20 mm
Overall length L	135 mm
Flute length $L_c$	75 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	$0.05 \times D$ 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 clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB