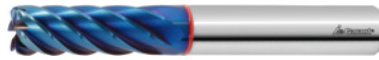


**Garant**
**Diabolo solid carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 10/1,5 mm**

**Order data**

Order number	206442 10/1,5
GTIN	4045197599452
Item class	11X

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

Special geometry, coating and carbide for hard machining.

Dimensions to DIN 6527 and 45° flutes.

Tolerance: Corner radius  $R_1 = \pm 0.005$  mm.

**Application:**

**For peripheral milling** as a **finishing operation** (plunge milling only to shallow depths).

No. of teeth Z: 6

Helix angle: 45 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length  $L_c$ : 30 mm

Corner radius  $R_1$ : 1.5 mm

Overall length L: 85 mm

Shank  $\varnothing D_s$ : 10 mm

Feed  $f_z$  for side milling in steel < 65 HRC: 0.019 mm

**Technical description**

Corner radius $R_1$	1.5 mm
No. of teeth Z	6
Cutting edge $\varnothing D_c$	10 mm
Feed $f_z$ for side milling in steel < 65 HRC	0.019 mm
Shank $\varnothing D_s$	10 mm
Flute length $L_c$	30 mm

Overall length L	85 mm
Shank	DIN 6535 HA to h6
Helix angle	45 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	H
Tolerance nominal $\varnothing$	e8
Helix angle characteristic	unequal spacing
Direction of infeed	horizontal and oblique
Cutting width $a_e$ for milling operation	0.05×D for copy milling
Cutting width $a_e$ for milling operation	0.05×D for side milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	red
Type of product	End mill

## Services

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