

Garant
Diabolo solid carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 8/1,5 mm

Order data

Order number	206372 8/1,5
GTIN	4045197599094
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

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

Without dynamic twist pitch.

Without dynamic twist pitch.

No. of teeth Z: 6

Helix angle: 50 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length L_c : 9 mm

Corner radius R_1 : 1.5 mm

Overhang length L_1 incl. recess: 27 mm

Recess $\varnothing D_1$: 7.4 mm

Overall length L: 63 mm

Technical description

No. of teeth Z	6
Cutting edge $\varnothing D_c$	8 mm
Overhang length L_1 incl. recess	27 mm
Recess $\varnothing D_1$	7.4 mm
Feed f_z for copy milling in steel < 65 HRC	0.06 mm
Corner radius R_1	1.5 mm

Shank $\varnothing D_s$	8 mm
Flute length L_c	9 mm
Overall length L	63 mm
Shank	DIN 6535 HA to h6
Helix angle	50 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
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