

Garant
Diabolo carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 8/2,0 mm

Order data

Order number	206342 8/2,0
GTIN	4045197598868
Item class	11X

Description
Version:
GARANT Diabolo:

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

Double relief ground side clearance angle.

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

No. of teeth Z: 4

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 9 mm

Corner radius R_1 : 2 mm

Overhang length L_1 incl. recess: 54 mm

Recess $\varnothing D_1$: 7.4 mm

Overall length L: 100 mm

Technical description

No. of teeth Z	4
Cutting edge $\varnothing D_c$	8 mm
Recess $\varnothing D_1$	7.4 mm
Feed f_z for side milling in steel < 65 HRC	0.06 mm
Corner radius R_1	2 mm
Feed f_z for copy milling in steel < 65 HRC	0.06 mm
Overhang length L_1 incl. recess	54 mm

Shank $\varnothing D_s$	8 mm
Flute length L_c	9 mm
Overall length L	100 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	e8
Spacing of the cutters	unequal spacing
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	0.2×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