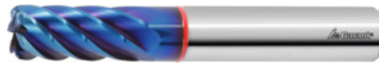


Garant
Diabolo solid carbide torus cutter HPC, TiAlN, Ø e8 DC / R1: 12/1,5 mm

Order data

Order number	206422 12/1,5
GTIN	4045197599346
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

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

Tolerance: Corner radius $RS_1 = \pm 0.005 \text{ mm}$.

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 : 28 mm

Corner radius R_1 : 1.5 mm

Overall length L: 83 mm

Shank $\varnothing D_s$: 12 mm

Feed f_z for side milling in steel < 65 HRC: 0.023 mm

Technical description

Feed f_z for side milling in steel < 65 HRC	0.023 mm
No. of teeth Z	6
Corner radius R_1	1.5 mm
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm

Flute length L_c	28 mm
Overall length L	83 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 side milling
Cutting width a_e for milling operation	0.05×D for copy 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 clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB