

Garant
Diabolo solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 12 mm

Order data

Order number	203382 12
GTIN	4045197597632
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: 6

Helix angle: 50 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HA to h6

No. of teeth Z: 6

Flute length L_c : 30 mm

Overhang length L_1 incl. recess: 60 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 120 mm

Shank Ø D_s : 12 mm

Technical description

Feed f_z for side milling in steel < 65 HRC	0.021 mm
No. of teeth Z	6
Recess Ø D_1	11.6 mm
Cutting edge Ø D_c	12 mm
Overhang length L_1 incl. recess	60 mm

Shank $\varnothing D_s$	12 mm
Overall length L	120 mm
Flute length L_c	30 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×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 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB