

Garant
Diabolo solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC: 12 mm

Order data

Order number	207372 12
GTIN	4045197600424
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

Taper transition with 1.5° (angle α).

Tolerance: Radius contour = ± 0.005 mm.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length L_c : 11 mm

Overhang length L_1 incl. recess: 50 mm

Recess $\varnothing D_1$: 11.8 mm

Overall length L: 200 mm

Shank $\varnothing D_s$: 16 mm

Technical description

Recess $\varnothing D_1$	11.8 mm
Feed f_z for copy milling in steel < 65 HRC	0.08 mm
Cutting edge $\varnothing D_c$	12 mm
$\varnothing D_2$	14.5 mm
No. of teeth Z	2
L_2	100 mm
Overhang length L_1 incl. recess	50 mm
Shank $\varnothing D_s$	16 mm

Overall length L	200 mm
Flute length L _c	11 mm
Helix angle	30 degrees
Radius R	6 mm
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal Ø	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a _e for milling operation	0.05×D for copy milling
Shank	DIN 6535 HA to h6
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 Ø tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB