

Garant
Diabolo solid carbide high precision ball nose slot drill HPC, TiAlN, Ø DC: 4 mm

Order data

Order number	207347 4
GTIN	4045197600004
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

Solid carbide high precision ball nose slot drill with radius Ø and contour variations within the µm range.

Tolerance: Radius contour = ± 0.005 mm.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length L_c : 4 mm

Overhang length L_1 incl. recess: 9 mm

Recess Ø D_1 : 3.8 mm

Overall length L: 54 mm

Shank Ø D_s : 4 mm

Technical description

Feed f_z for copy milling in steel < 65 HRC	0.019 mm
Cutting edge Ø D_c	4 mm
Recess Ø D_1	3.8 mm
Feed f_z for side milling in steel < 65 HRC	0.019 mm
Overhang length L_1 incl. recess	9 mm
No. of teeth Z	2

Shank $\varnothing D_s$	4 mm
Overall length L	54 mm
Flute length L_c	4 mm
Helix angle	30 degrees
Radius R	2 mm
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	-0.007 / 0.002
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
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
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