

Garant
Diabolo solid carbide slot drill HPC, TiAlN, Ø e8 DC: 3,5 mm

Order data

Order number	201639 3,5
GTIN	4045197596970
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide specially for hard machining.

New generation of high performance milling cutters in the **HPC machining range**.

From size 2 with neck recess (dimensions L_1 and $\varnothing D_1$).

Tolerance nominal \varnothing : e8

No. of teeth Z: 2

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length L_c : 8 mm

Overhang length L_1 incl. recess: 15 mm

Recess $\varnothing D_1$: 3.3 mm

Overall length L: 57 mm

Shank $\varnothing D_s$: 6 mm

Technical description

Cutting edge $\varnothing D_c$	3.5 mm
Overhang length L_1 incl. recess	15 mm
Corner chamfer width at 45°	0.05 mm
Recess $\varnothing D_1$	3.3 mm
No. of teeth Z	2

Feed f_z for side milling in steel < 65 HRC	0.009 mm
Feed f_z for slot milling in steel < 65 HRC	0.007 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length L_c	8 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	H
Cutting width a_e for milling operation	0.05×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
------------------------	-----------