

**Garant**
**Solid carbide ball nose slot drill, Diamond, Ø f8 DC / DS: 12 mm**

**Order data**

Order number	209776 12
GTIN	4045197544285
Item class	11Y

**Description**
**Version:**

With the latest generation of **crystalline diamond coating sp<sup>3</sup>**, for process reliability in machining **fibre-reinforced composites, CRP, GRP and graphite**. Double relief ground side clearance angle.

Tolerance: Radius contour = **±0.01 mm**.

No. of teeth Z: 2

Helix angle: 30 degrees

No. of teeth Z: 2

Flute length L<sub>c</sub>: 16 mm

Overhang length L<sub>1</sub> incl. recess: 28 mm

Recess Ø D<sub>1</sub>: 11.8 mm

Overall length L: 73 mm

Shank Ø D<sub>s</sub>: 12 mm

**Technical description**

Feed f <sub>z</sub> for side milling in graphite	0.105 mm
Feed f <sub>z</sub> for copy milling in graphite	0.105 mm
No. of teeth Z	2
Recess Ø D <sub>1</sub>	11.8 mm
Overhang length L <sub>1</sub> incl. recess	28 mm
Cutting edge Ø D <sub>c</sub>	12 mm
Shank Ø D <sub>s</sub>	12 mm

Overall length L	73 mm
Flute length L <sub>c</sub>	16 mm
Helix angle	30 degrees
Radius R	6 mm
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a <sub>e</sub> for milling operation	0.05×D for copy milling
Cutting width a <sub>e</sub> for milling operation	0.2×D for side milling
Shank	DIN 6535 HA with h6
Through-coolant	no
Colour ring	black
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB