

**Garant**
**PCD slot drill with internal cooling compacting cut, PCD, Ø h10 DC: 12 mm**

**Order data**

Order number	209620 12
GTIN	4045197478160
Item class	11Y

**Description**
**Version:**

**High performance PCD slot drill** for the **highest demands in respect to material removal rates** when machining **GRP, CRP** and **graphite**. **Axial angle negative.  $\alpha = -4^\circ$ .**

Compacting cut.

The material is pushed down on to the substrate. Highly suitable for thin materials.

Through-coolant: yes

Tolerance nominal  $\varnothing$ : h10

No. of teeth Z: 2

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA with h6

No. of teeth Z: 2

Flute length  $L_c$ : 20 mm

Overhang length  $L_1$  incl. recess: 30 mm

Recess  $\varnothing D_1$ : 11 mm

Overall length L: 100 mm

Shank  $\varnothing D_s$ : 12 mm

**Technical description**

Feed $f_z$ for slot milling in graphite	0.14 mm
No. of teeth Z	2
Feed $f_z$ for slot milling in GRP CRP	0.08 mm
Cutting edge $\varnothing D_c$	12 mm
Recess $\varnothing D_1$	11 mm
Overhang length $L_1$ incl. recess	30 mm

Corner chamfer width at 45°	0.1 mm
Shank $\varnothing D_s$	12 mm
Overall length L	100 mm
Flute length $L_c$	20 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA with h6
Tolerance nominal $\varnothing$	h10
Corner chamfer angle	45 degrees
Coating	PCD
Tool material	PCD
Standard	Manufacturer's standard
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Through-coolant	yes
Colour ring	black
Type of product	End mill

## Services

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