

**Garant**
**PCD slot drill with internal cooling compacting cut, PCD, Ø h10 DC: 16mm**

**Order data**

Order number	209802 16
GTIN	4062406765293
Item class	100

**Description**
**Version:**

**High performance PCD slot drill for high metal removal rates. Axial angle negative.  $\alpha = -4^\circ$ .**  
Compacting cut.

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

**Technical description**

Recess $\varnothing D_1$	15 mm
Shank $\varnothing D_s$	16 mm
Feed $f_z$ for side milling in graphite	0.15 mm
No. of teeth Z	2
Flute length $L_c$	20 mm
Shank	DIN 6535 HA with h6
Feed $f_z$ for slot milling in graphite	0.15 mm
Cutting edge $\varnothing D_c$	16 mm
Feed $f_z$ for side milling in cast aluminium	0.11 mm
Overall length L	125 mm
Tolerance nominal $\varnothing$	h10
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for slot milling in cast aluminium	0.1 mm

Corner chamfer width at 45°	0.1 mm
Corner chamfer angle	45 degrees
Overhang length L <sub>1</sub> incl. recess	30 mm
Coating	PCD
Tool material	PCD
Standard	Manufacturer's standard
Cutting width a <sub>e</sub> for milling operation	Full slot cutting depth 1×D
Cutting width a <sub>e</sub> for milling operation	0.2×D for side milling
Through-coolant	yes
Colour ring	black
Type of product	End / face mill

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium	suitable	2400 m/min	N
Aluminium (short chipping)	suitable	2000 m/min	N
Alu > 10% Si	suitable	1500 m/min	N
PMMA acrylic	suitable	1000 m/min	N
PE-HD	suitable	900 m/min	N
PA 66	suitable	900 m/min	N
PEEK	suitable	800 m/min	N
PVDF GF20	suitable	1200 m/min	N
POM GF25	suitable	1200 m/min	N
PA 66 GF30	suitable	1000 m/min	N
PEEK GF30	suitable	1000 m/min	N
PTFE CF25	suitable	1000 m/min	N
PEEK CF30	suitable	800 m/min	N
Hybrids	suitable		

MMC	suitable	400 m/min	N
GRP	suitable	500 m/min	N
CRP	suitable	500 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	Suitable		
Air	suitable		

**Services**

Shank grinding Type HB

129100 HB