

Garant
Solid carbide slot drill, Diamond, Ø h10 DC: 6mm

Order data

Order number	209711 6
GTIN	4045197512185
Item class	11Y

Description
Version:

With the latest generation of **crystalline diamond coating sp³**, for process reliability in machining **fibre-reinforced composites, CRP, GRP, and graphite.**

Dynamic cutter geometry.

Relief ground with 2 hollow-ground chamfers.

High-precision and stable version due to the 15° helix angle.

Technical description

Feed f_z for slot milling in GRP CRP	0.04 mm
Cutting edge $\varnothing D_c$	6 mm
No. of teeth Z	2
Feed f_z for slot milling in graphite	0.04 mm
Corner chamfer width at 45°	0.12 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length L_c	13 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA with h6
Tolerance nominal \varnothing	h10
Helix angle	15 degrees

Corner chamfer angle	45 degrees
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Colour ring	black
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
PVDF GF20	suitable	200 m/min	N
POM GF25	suitable	190 m/min	N
PA 66 GF30	suitable	170 m/min	N
PEEK GF30	suitable	150 m/min	N
PTFE CF25	suitable	180 m/min	N
PEEK CF30	suitable	160 m/min	N
Hybrids	suitable		
Honeycomb sandwich	suitable	350 m/min	N
GRP	suitable	190 m/min	N
GRP, CRP	suitable	190 m/min	N
Graphite	suitable	340 m/min	N
wet minimum	suitable		
dry	Suitable		
Air	suitable		

Services

Shank grinding Type HB	129100 HB
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