

**Garant**
**Solid carbide milling cutter, Diamond, Ø f8 DC: 16mm**

**Order data**

Order number	209713 16
GTIN	4045197512543
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.**

**Dynamic cutter geometry.**
**Technical description**

Corner chamfer width at 45°	0.3 mm
Feed $f_z$ for slot milling in GRP CRP	0.07 mm
Recess Ø $D_1$	15.5 mm
Feed $f_z$ for slot milling in graphite	0.07 mm
Cutting edge Ø $D_c$	16 mm
No. of teeth Z	4
Overhang length $L_1$ incl. recess	42 mm
Shank Ø $D_s$	16 mm
Overall length L	92 mm
Flute length $L_c$	32 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA with h6
Tolerance nominal Ø	f8

Balance quality with shank	G 2.5 with HA
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Spacing of the cutters	unequal spacing
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