

**Garant**
**Solid carbide milling cutter straight cut, Diamond, Ø h10 DC: 12mm**

**Order data**

Order number	209525 12
GTIN	4045197468376
Item class	11Y

**Description**
**Version:**

High performance geometry with multiple teeth for extremely high material removal rates in a single pass.

**Straight flutes** for a neutral cut.

**Technical description**

No. of teeth Z	8
Feed $f_z$ for slot milling in graphite	0.06 mm
Cutting edge $\varnothing D_c$	12 mm
Feed $f_z$ for slot milling in GRP CRP	0.06 mm
Corner chamfer width at 45°	0.2 mm
Shank $\varnothing D_s$	12 mm
Overall length L	83 mm
Flute length $L_c$	32 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA with h6
Tolerance nominal $\varnothing$	h10
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 maximum	Suitable		
dry	Suitable		
Air	suitable		

## Services

Shank grinding Type HB	129100 HB
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