

Garant
Solid carbide milling cutter Composite, compacting cut, uncoated, Ø h10 DC: 12mm

Order data

Order number	209542 12
GTIN	4062406366193
Item class	100

Description
Version:

Tool cutting edge has been specifically developed further for optimal machining of composite materials.

Overall length similar to **DIN 6527 long**.

Left-hand helix, **compacting cut**. The material is pushed down on to the substrate. Highly suitable for thin materials.

Technical description

Shank	DIN 6535 HA to h6
Tolerance nominal Ø	h10
Cutting edge Ø D _c	12 mm
Helix angle	8 degrees
Direction of infeed	horizontal, oblique and vertical
Feed f _z for slot milling in GRP CRP	0.038 mm
Overall length L	83 mm
Recess Ø D ₁	11.6 mm
Overhang length L ₁ incl. recess	36 mm
Shank Ø D _s	12 mm
Flute length L _c	26 mm

Corner chamfer angle	45 degrees
No. of teeth Z	8
Corner chamfer width at 45°	0.24 mm
Coating	uncoated
Tool material	Solid carbide
Standard	DIN 6527
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	80 m/min	N
POM GF25	suitable	80 m/min	N
PA 66 GF30	suitable	80 m/min	N
PEEK GF30	suitable	80 m/min	N
PTFE CF25	suitable	80 m/min	N
PEEK CF30	suitable	80 m/min	N
Hybrids	suitable		
Honeycomb sandwich	suitable	165 m/min	N
CRP	suitable	120 m/min	N
GRP, CRP	suitable	120 m/min	N
Graphite	suitable	180 m/min	N
wet maximum	suitable		
dry	suitable		
Air	suitable		

