

Garant
Solid carbide milling cutter, Diamond, Ø f8 DC: 10mm

Order data

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|--------------|---------------|
| Order number | 209713 10 |
| GTIN | 4045197512529 |
| 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.
Technical description

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|---|----------------------------------|
| Feed f_z for slot milling in GRP CRP | 0.06 mm |
| Cutting edge Ø D_c | 10 mm |
| Corner chamfer width at 45° | 0.2 mm |
| Recess Ø D_1 | 9.7 mm |
| Overhang length L_1 incl. recess | 30 mm |
| No. of teeth Z | 4 |
| Feed f_z for slot milling in graphite | 0.06 mm |
| Shank Ø D_s | 10 mm |
| Overall length L | 72 mm |
| Flute length L_c | 22 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