

Garant
Solid carbide ball nose slot drill, Diamond, Ø f8 DC / DS: 3mm

Order data

| | |
|--------------|---------------|
| Order number | 209781 3 |
| GTIN | 4045197544339 |
| 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**. Double relief ground side clearance angle.

Tolerance: Radius contour = **±0.01 mm**.

Technical description

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|---|---------------|
| Feed f_z for copy milling in graphite | 0.023 mm |
| No. of teeth Z | 2 |
| Recess Ø D_1 | 2.9 mm |
| Cutting edge Ø D_c | 3 mm |
| Feed f_z for side milling in graphite | 0.023 mm |
| Overhang length L_1 incl. recess | 33 mm |
| Shank Ø D_s | 3 mm |
| Overall length L | 75 mm |
| Flute length L_c | 5 mm |
| Helix angle | 30 degrees |
| Radius R | 1.5 mm |
| Coating | Diamond |
| Tool material | Solid carbide |

| | |
|---|----------------------------------|
| Standard | Manufacturer's standard |
| Tolerance nominal \varnothing | f8 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.05×D for copy milling |
| Cutting width a_e for milling operation | 0.2×D for side milling |
| Shank | DIN 6535 HA with h6 |
| Through-coolant | no |
| Colour ring | black |
| Type of product | Ball-nosed slot drill |

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 | | |