

Garant
Solid carbide slot drill, uncoated, Ø h10 DC: 3mm

Order data

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|--------------|---------------|
| Order number | 209300 3 |
| GTIN | 4045197859365 |
| Item class | 11X |

Description
Version:

Special geometry **for machining plastic.**

Large flutes for unobstructed swarf evacuation.

Application:

Especially for milling **plastics, plunging** and **contour milling.**

Note:

Successor product to No. 209310.

Technical description

| | |
|----------------------------------------------|----------------------------------|
| Shank Ø D _s | 3 mm |
| Feed f _z for slot milling in PMMA | 0.008 mm |
| Tolerance nominal Ø | h10 |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HA to h5 |
| Overhang length L ₁ incl. recess | 17 mm |
| Cutting edge Ø D _c | 3 mm |
| Overall length L | 50 mm |
| No. of teeth Z | 1 |
| Recess Ø D ₁ | 2.8 mm |
| Flute length L _c | 12 mm |

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|-------------------------------------------|--------------------------------------|
| Helix angle | 23 degrees |
| Corner chamfer angle | 90 degrees |
| Coating | uncoated |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Through-coolant | no |
| Colour ring | yellow |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------------------------------------|-----------|----------|
| Aluminium | suitable only under restricted conditions | 180 m/min | N |
| Aluminium (short chipping) | suitable only under restricted conditions | 140 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 105 m/min | N |
| PMMA acrylic | suitable | 190 m/min | N |
| PE-HD | suitable | 140 m/min | N |
| PA 66 | suitable | 160 m/min | N |
| PEEK | suitable | 140 m/min | N |
| PF 31 | suitable | 120 m/min | N |
| Honeycomb sandwich | suitable only under restricted conditions | 180 m/min | N |
| Cu | Suitable | 150 m/min | N |
| CuZn | suitable only under restricted conditions | 180 m/min | N |
| wet maximum | suitable | | |

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|-----|-------------------------------------------|
| dry | suitable only under restricted conditions |
| Air | suitable |