

Garant
PCD end mill with internal cooling dragging cut, PCD, Ø h10 DC: 16mm

Order data

| | |
|--------------|---------------|
| Order number | 209801 16 |
| GTIN | 4062406765217 |
| Item class | 100 |

Description
Version:

High performance PCD slot drill for high metal removal rates. Axial angle positive. $\alpha = 4^\circ$.
 Dragging cut for standard applications.

Technical description

| | |
|---|----------------------------------|
| Cutting edge $\varnothing D_c$ | 16 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Corner chamfer angle | 45 degrees |
| Overhang length L_1 incl. recess | 30 mm |
| Feed f_z for slot milling in cast aluminium | 0.1 mm |
| Shank $\varnothing D_s$ | 16 mm |
| Overall length L | 125 mm |
| Tolerance nominal \varnothing | h10 |
| Feed f_z for side milling in graphite | 0.15 mm |
| Flute length L_c | 20 mm |
| Shank | DIN 6535 HA with h6 |
| Feed f_z for slot milling in graphite | 0.15 mm |
| No. of teeth Z | 2 |
| Corner chamfer width at 45° | 0.1 mm |

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| Feed f_z for side milling in cast aluminium | 0.11 mm |
| Recess $\varnothing D_1$ | 15 mm |
| Coating | PCD |
| Tool material | PCD |
| Standard | Manufacturer's standard |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width a_e for milling operation | $0.2 \times D$ for side milling |
| Through-coolant | yes |
| Colour ring | black |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------|------------|----------|
| Aluminium | suitable | 2400 m/min | N |
| Aluminium (short chipping) | suitable | 2000 m/min | N |
| Alu > 10% Si | suitable | 1500 m/min | N |
| PMMA acrylic | suitable | 1000 m/min | N |
| PE-HD | suitable | 900 m/min | N |
| PA 66 | suitable | 900 m/min | N |
| PEEK | suitable | 800 m/min | N |
| PVDF GF20 | suitable | 1200 m/min | N |
| POM GF25 | suitable | 1200 m/min | N |
| PA 66 GF30 | suitable | 1000 m/min | N |
| PEEK GF30 | suitable | 1000 m/min | N |
| PTFE CF25 | suitable | 1000 m/min | N |
| PEEK CF30 | suitable | 800 m/min | N |
| Hybrids | suitable | | |
| MMC | suitable | 400 m/min | N |

| | | | |
|-------------|----------|-----------|---|
| GRP | suitable | 500 m/min | N |
| CRP | suitable | 500 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable | | |
| dry | Suitable | | |
| Air | suitable | | |

Services

Shank grinding Type HB

129100 HB