


Solid carbide slot drill, uncoated, Ø e8 DC: 12mm

Order data

| | |
|--------------|---------------|
| Order number | 202242 12 |
| GTIN | 4045197767158 |
| Item class | 12X |

Description
Version:

Eccentric relief ground, additionally **finish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

Application:

For roughing and finishing.

Technical description

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|--|----------------------------------|
| Shank | DIN 6535 HA to h6 |
| No. of teeth Z | 3 |
| Overall length L | 100 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting edge Ø D _c | 12 mm |
| Feed f _z for side milling in short-chipping aluminium | 0.07 mm |
| Flute length L _c | 36 mm |
| Feed f _z for slot milling in short-chipping aluminium | 0.05 mm |
| Shank Ø D _s | 12 mm |
| Tolerance nominal Ø | e8 |
| Helix angle | 45 degrees |
| Corner chamfer angle | 90 degrees |
| Coating | uncoated |

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|---|-----------------------------|
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Through-coolant | no |
| Colour ring | yellow |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|---|-----------|----------|
| Aluminium | Suitable | 170 m/min | N |
| Aluminium (short chipping) | suitable | 140 m/min | N |
| Alu > 10% Si | suitable | 105 m/min | N |
| PMMA acrylic | Suitable | 160 m/min | N |
| PE-HD | Suitable | 110 m/min | N |
| PA 66 | Suitable | 130 m/min | N |
| PEEK | Suitable | 110 m/min | N |
| PF 31 | Suitable | 90 m/min | N |
| Honeycomb sandwich | suitable only under restricted conditions | 160 m/min | N |
| Cu | Suitable | 120 m/min | N |
| CuZn | Suitable | 150 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | Suitable only under restricted conditions | | |

Air

suitable only under
restricted conditions

Services

Shank grinding Type HB

129100 HB