


Solid carbide ball nose slot drill, TiAlN, Ø h10 DC: 12mm

Order data

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|--------------|---------------|
| Order number | 207155 12 |
| GTIN | 4045197126597 |
| Item class | 12X |

Technical description

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|--|----------------------------------|
| Feed f_z for copy milling in steel < 900 N/mm ² | 0.09 mm |
| Cutting edge Ø D_c | 12 mm |
| Feed f_z for side milling in steel < 900 N/mm ² | 0.08 mm |
| No. of teeth Z | 2 |
| Shank Ø D_s | 12 mm |
| Overall length L | 100 mm |
| Flute length L_c | 16 mm |
| Helix angle | 30 degrees |
| Radius R | 6 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal Ø | h10 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Cutting width a_e for milling operation | 0.05×D for copy milling |

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|-----------------|-----------------------|
| Shank | DIN 6535 HA to h6 |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Ball-nosed slot drill |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 350 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 250 m/min | N |
| Steel < 900 N/mm ² | suitable | 130 m/min | P |
| Steel < 1100 N/mm ² | suitable | 80 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 70 m/min | P |
| Steel < 55 HRC | suitable only under restricted conditions | 50 m/min | H |
| INOX < 900 N/mm ² | suitable | 80 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 70 m/min | M |
| GG(G) | suitable | 120 m/min | K |
| CuZn | suitable only under restricted conditions | 320 m/min | N |
| Uni | suitable | | |
| 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