

Garant
Solid carbide ball nose slot drill, TiAlN, Ø DC: 1,8mm

Order data

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|--------------|---------------|
| Order number | 207115 1,8 |
| GTIN | 4045197229489 |
| Item class | 11X |

Technical description

| | |
|---|----------------------------------|
| Recess Ø D ₁ | 1.74 mm |
| Feed f _z for copy milling in steel < 900 N/mm ² | 0.006 mm |
| Cutting edge Ø D _c | 1.8 mm |
| Overhang length L ₁ incl. recess | 5.5 mm |
| Feed f _z for side milling in steel < 900 N/mm ² | 0.006 mm |
| No. of teeth Z | 2 |
| Shank Ø D _s | 6 mm |
| Overall length L | 50 mm |
| Flute length L _c | 2 mm |
| Helix angle | 30 degrees |
| Radius R | 0.9 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal Ø | 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 | 0.05×D for side milling |
| 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 < 500 N/mm ² | suitable | 160 m/min | P |
| Steel < 750 N/mm ² | suitable | 140 m/min | P |
| 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 | 70 m/min | P |
| Steel < 55 HRC | suitable | 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