

Garant
Solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / D S: 20mm

Order data

| | |
|--------------|---------------|
| Order number | 207240 20 |
| GTIN | 4045197127242 |
| Item class | 11X |

Description
Version:
Precision ground for very high accuracy requirements.

Tolerance: Radius contour = ± 0.005 mm.

Note:
Recommended successor product is No. 207242.
Technical description

| | |
|---|-------------------------|
| No. of teeth Z | 2 |
| Cutting edge $\varnothing D_c$ | 20 mm |
| Feed f_z for side milling in steel < 1100 N/mm ² | 0.12 mm |
| Feed f_z for copy milling in steel < 1100 N/mm ² | 0.138 mm |
| Shank $\varnothing D_s$ | 20 mm |
| Overall length L | 92 mm |
| Flute length L_c | 26 mm |
| Helix angle | 30 degrees |
| Radius R | 10 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | H |

| | |
|---|----------------------------------|
| Tolerance nominal \varnothing | f8 |
| 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 | 0.03×D for copy milling |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | without |
| Type of product | Ball-nosed slot drill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-----------|----------|
| Steel < 500 N/mm ² | Suitable | 225 m/min | P |
| Steel < 750 N/mm ² | Suitable | 210 m/min | P |
| Steel < 900 N/mm ² | suitable | 180 m/min | P |
| Steel < 1100 N/mm ² | suitable | 145 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 140 m/min | P |
| INOX < 900 N/mm ² | suitable | 85 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 70 m/min | M |
| GG(G) | suitable only under restricted conditions | 350 m/min | K |
| CuZn | suitable only under restricted conditions | 400 m/min | N |
| wet maximum | Suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable | | |
| Air | Suitable | | |

Services

Shank grinding Type HB

129100 HB