

Garant
Solid carbide ball nose slot drill 220°, TiAlN, Ø DC: 1mm

Order data

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|--------------|---------------|
| Order number | 207175 1 |
| GTIN | 4045197126627 |
| Item class | 11X |

Description
Version:

Exact **radius form without profile distortion.**

Double relief ground side clearance angle.

Tolerance: Radius contour = **±0.01 mm.**

With enclosed angle **220°**. Size nominal Ø: **D_c = f8**

Note:

Straight ground recess.

Technical description

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|------------------------------------------------------------------------|---------------|
| Overhang length L ₁ incl. recess | 5 mm |
| Cutting edge Ø D _c | 1 mm |
| Recess Ø D ₁ | 0.85 mm |
| Cutter length l _c | 0.7 mm |
| No. of teeth Z | 2 |
| Feed f _z for copy milling in steel < 1100 N/mm ² | 0.006 mm |
| Shank Ø D _s | 6 mm |
| Overall length L | 58 mm |
| Helix angle | 30 degrees |
| Radius R | 0.5 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |

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|-------------------------------------------|----------------------------------|
| Standard | Manufacturer's standard |
| Type | H |
| Tolerance nominal \varnothing | f8 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.03×D for copy milling |
| Shank | DIN 6535 HA to h5 |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Ball-nosed slot drill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|-------------------------------------------|-----------|----------|
| Steel < 500 N/mm ² | suitable | 575 m/min | P |
| Steel < 750 N/mm ² | suitable | 390 m/min | P |
| Steel < 900 N/mm ² | suitable | 390 m/min | P |
| Steel < 1100 N/mm ² | suitable | 280 m/min | P |
| Steel < 1400 N/mm ² | suitable | 200 m/min | P |
| INOX < 900 N/mm ² | suitable | 200 m/min | M |
| GG(G) | suitable | 575 m/min | K |
| Uni | suitable | | |
| wet maximum | Suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable | | |
| Air | Suitable | | |

Services

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|------------------------|-----------|
| Shank grinding Type HB | 129100 HB |
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