

Garant
Solid carbide slot drill, TiAlN, Ø DC: 0,3mm

Order data

| | |
|--------------|---------------|
| Order number | 201630 0,3 |
| GTIN | 4045197264015 |
| Item class | 11X |

Description
Version:

Eccentric relief ground for stronger cutting edges.

Size 0.25 to 2.5 - with double relief ground side clearance angle.

Tolerance: Size nominal Ø $D_c = e8$.

Application:

The intermediate sizes are especially for milling keyway slots.

Technical description

| | |
|--|----------------------------------|
| Feed f_z for slot milling in steel < 900 N/mm ² | 0.001 mm |
| Shank form | HA |
| Cutting edge Ø D_c | 0.3 mm |
| No. of teeth Z | 2 |
| Feed f_z for side milling in steel < 900 N/mm ² | 0.001 mm |
| Shank Ø D_s | 3 mm |
| Overall length L | 38 mm |
| Flute length L_c | 1 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Correction factor for v_c | 1.25 |
| Shank | DIN 6535 HA to h6 |
| Tolerance nominal Ø | e8 |

| | |
|---|-----------------------------|
| Helix angle | 30 degrees |
| Corner chamfer angle | 90 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| 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 | without |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-----------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 280 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 200 m/min | N |
| Steel < 500 N/mm ² | suitable | 120 m/min | P |
| Steel < 750 N/mm ² | suitable | 105 m/min | P |
| Steel < 900 N/mm ² | suitable | 100 m/min | P |
| Steel < 1100 N/mm ² | suitable | 70 m/min | P |
| Steel < 1400 N/mm ² | suitable | 60 m/min | P |
| INOX < 900 N/mm ² | suitable | 80 m/min | M |
| INOX > 900 N/mm ² | suitable | 60 m/min | M |
| GG(G) | suitable | 90 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |

dry

suitable only under
restricted conditions