

Garant
Solid carbide ball nose roughing end mill, TiAlN, Ø d11 DC: 5mm


Order data

| | |
|--------------|---------------|
| Order number | 207505 5 |
| GTIN | 4045197882714 |
| Item class | 11X |

Description

Version:

Round **knuckle form profile** for roughing, **including machining radii.**

Note:

Successor product to No. 207512

Technical description

| | |
|-------------------------------------------------------------|---------------|
| Flute length L_c | 13 mm |
| No. of teeth Z | 3 |
| Shank $\varnothing D_s$ | 6 mm |
| Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$ | 0.023 mm |
| Overall length L | 57 mm |
| Cutting edge $\varnothing D_c$ | 5 mm |
| Feed f_z for copy milling in steel $< 900 \text{ N/mm}^2$ | 0.025 mm |
| Helix angle | 45 degrees |
| Radius R | 2.5 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Milling profile | HR |

| | |
|-------------------------------------------|----------------------------------|
| Tolerance nominal \varnothing | d11 |
| 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 | 0.5×D for side milling |
| Shank | DIN 6535 HB 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 |
| INOX < 900 N/mm ² | suitable | 80 m/min | M |
| GG(G) | suitable | 120 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable only under restricted conditions | | |
| Air | suitable only under restricted conditions | | |

