

**Garant**
**Solid carbide ball nose slot drill, TiAlN, Ø DC: 6mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207381 6      |
| GTIN         | 4045197551863 |
| Item class   | 11X           |

**Description**
**Version:**

Tolerance: Radius contour =  $\pm 0.01$  mm.

**Technical description**

|  |                                  |
|--|----------------------------------|
| Feed $f_z$ for copy milling in steel $< 500$ N/mm <sup>2</sup> | 0.037 mm                         |
| Cutting edge Ø $D_c$   | 6 mm                             |
| Feed $f_z$ for side milling in steel $< 500$ N/mm <sup>2</sup> | 0.033 mm                         |
| No. of teeth Z   | 3                                |
| Shank Ø $D_s$  | 6 mm                             |
| Overall length L   | 57 mm                            |
| Flute length $L_c$   | 10 mm                            |
| Helix angle  | 35 degrees                       |
| Radius R   | 3 mm                             |
| Coating  | TiAlN                            |
| Tool material  | Solid carbide                    |
| Standard   | Manufacturer's standard          |
| Type   | N                                |
| Tolerance nominal Ø  | e8                               |
| Direction of infeed  | horizontal, oblique and vertical |

|   |                        |
|---|------------------------|
| Cutting width $a_e$ for milling operation | 0.1×D for copy milling |
| Cutting width $a_e$ for milling operation | 0.5×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 |
|-------------------------------|---|-----------|----------|
| Steel < 500 N/mm <sup>2</sup> | suitable                                  | 160 m/min | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  | 140 m/min | P        |
| Steel < 900 N/mm <sup>2</sup> | suitable                                  | 130 m/min | P        |
| INOX < 900 N/mm <sup>2</sup>  | suitable                                  | 80 m/min  | M        |
| INOX > 900 N/mm <sup>2</sup>  | suitable                                  | 70 m/min  | M        |
| Ti > 850 N/mm <sup>2</sup>    | suitable only under restricted conditions | 50 m/min  | S        |
| GG(G)                         | suitable only under restricted conditions | 120 m/min | K        |
| 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 |
|------------------------|-----------|