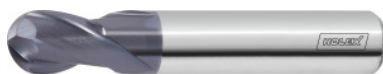



**Solid carbide ball nose slot drill, TiAlN, Ø DC: 16mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207125 16     |
| GTIN         | 4045197126412 |
| Item class   | 12X           |

**Technical description**

|                                                              |                                  |
|--------------------------------------------------------------|----------------------------------|
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.1 mm                           |
| No. of teeth Z                                               | 2                                |
| Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup> | 0.113 mm                         |
| Cutting edge Ø D <sub>c</sub>                                | 16 mm                            |
| Shank Ø D <sub>s</sub>                                       | 16 mm                            |
| Overall length L                                             | 82 mm                            |
| Flute length L <sub>c</sub>                                  | 22 mm                            |
| Helix angle                                                  | 30 degrees                       |
| Radius R                                                     | 8 mm                             |
| Coating                                                      | TiAlN                            |
| Tool material                                                | Solid carbide                    |
| Standard                                                     | Manufacturer's standard          |
| Type                                                         | N                                |
| Tolerance nominal Ø                                          | h10                              |
| Direction of infeed                                          | horizontal, oblique and vertical |
| Cutting width a <sub>e</sub> for milling operation           | 0.05×D for copy milling          |
| Cutting width a <sub>e</sub> for milling operation           | 0.05×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 <sub>c</sub> | 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 <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        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 80 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 70 m/min       | P        |
| Steel < 55 HRC                 | suitable                                  | 50 m/min       | H        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 80 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 70 m/min       | M        |
| GG(G)                          | suitable                                  | 120 m/min      | K        |
| CuZn                           | suitable only under restricted conditions | 320 m/min      | N        |
| Uni                            | suitable                                  |                |          |
| 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