

**Garant**
**GARANT Master Steel solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / D  
S: 0,9 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207242 0,9    |
| GTIN         | 4062406284800 |
| Item class   | 11X           |

**Description**
**Version:**
**Precision ground for very high accuracy requirements.**

Tolerance: Radius contour =  $\pm 0.005$  mm.

Improved cutting edge protection thanks to slight edge honing. Tremendous bending strength due to the use of ultra-fine grain substrate.

No. of teeth Z: 2

Helix angle: 28 degrees

No. of teeth Z: 2

Flute length  $L_c$ : 2 mm

Overall length L: 38 mm

Shank Ø  $D_s$ : 3 mm

Feed  $f_z$  for side milling in steel < 900 N/mm<sup>2</sup>: 0.008 mm

Feed  $f_z$  for copy milling in steel < 900 N/mm<sup>2</sup>: 0.01 mm

**Technical description**

|                                                              |          |
|--------------------------------------------------------------|----------|
| Cutting edge Ø $D_c$                                         | 0.9 mm   |
| No. of teeth Z                                               | 2        |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.008 mm |
| Shank Ø $D_s$                                                | 3 mm     |
| Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup> | 0.01 mm  |
| Overall length L                                             | 38 mm    |

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| Helix angle                               | 28 degrees                           |
| Flute length $L_c$                        | 2 mm                                 |
| Radius R                                  | 0.45 mm                              |
| Series                                    | GARANT Master Steel                  |
| Coating                                   | TiAlN                                |
| Tool material                             | Solid carbide                        |
| Standard                                  | Manufacturer's standard              |
| Type                                      | N                                    |
| Tolerance nominal $\varnothing$           | f8                                   |
| Direction of infeed                       | horizontal, oblique and vertical     |
| Cutting width $a_e$ for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width $a_e$ for milling operation | $0.03 \times D$ for copy milling     |
| Shank                                     | DIN 6535 HA to h6                    |
| Through-coolant                           | no                                   |
| Machining strategy                        | HPC                                  |
| Colour ring                               | green                                |
| Type of product                           | End mill                             |