

**Garant**
**Solid carbide ball nose slot drill, uncoated, Ø f8 DC: 14mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 207026 14     |
| GTIN         | 4045197596499 |
| Item class   | 11X           |

**Description**
**Version:**

Additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium components.

Dimensions similar to **DIN 6527**.

**Technical description**

|   |                         |
|---|-------------------------|
| No. of teeth Z  | 2                       |
| Overhang length $L_1$ incl. recess                      | 38 mm                   |
| Cutting edge $\varnothing D_c$                          | 14 mm                   |
| Recess $\varnothing D_1$                                | 13.2 mm                 |
| Feed $f_z$ for copy milling in short-chipping aluminium | 0.15 mm                 |
| Shank $\varnothing D_s$                                 | 14 mm                   |
| Overall length L  | 75 mm                   |
| Flute length $L_c$                                      | 16 mm                   |
| Helix angle   | 45 degrees              |
| Radius R  | 7 mm                    |
| Coating   | uncoated                |
| Tool material   | Solid carbide           |
| Standard  | Manufacturer's standard |

|   |                                  |
|---|----------------------------------|
| Type                                      | W                                |
| Tolerance nominal $\varnothing$           | f8                               |
| Direction of infeed                       | horizontal, oblique and vertical |
| Cutting width $a_e$ for milling operation | 0.03×D for copy milling          |
| Shank                                     | DIN 6535 HA to h6                |
| Balance quality with shank                | G 2.5 with HA                    |
| Through-coolant                           | no                               |
| Colour ring                               | yellow                           |
| Type of product                           | Ball-nosed slot drill            |

### User data

|                            | Suitability                               | $V_c$     | ISO code |
|----------------------------|---|-----------|----------|
| Aluminium                  | suitable                                  | 230 m/min | N        |
| Aluminium (short chipping) | suitable                                  | 180 m/min | N        |
| Alu > 10% Si               | suitable                                  | 140 m/min | N        |
| PMMA acrylic               | Suitable                                  | 200 m/min | N        |
| PE-HD                      | Suitable                                  | 160 m/min | N        |
| PA 66                      | Suitable                                  | 200 m/min | N        |
| PEEK                       | Suitable                                  | 150 m/min | N        |
| PF 31                      | Suitable                                  | 130 m/min | N        |
| Honeycomb sandwich         | suitable only under restricted conditions | 300 m/min | N        |
| Cu                         | Suitable                                  | 160 m/min | N        |
| CuZn                       | Suitable                                  | 200 m/min | N        |
| wet maximum                | suitable                                  |           |          |
| wet minimum                | suitable only under restricted conditions |           |          |
| dry                        | suitable only under restricted conditions |           |          |

Air

suitable only under  
restricted conditions