

**Garant**
**Solid carbide jobber drill, TiAlN, Ø DC h7: 1,6mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 122251 1,6    |
| GTIN         | 4045197748959 |
| Item class   | 11E           |

**Description**
**Version:**
**Similar to DIN 338.**

Nominal Ø and shank Ø equal.

TiAlN coating for even better performance.

**Note:**

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Non slip clamping in drill chuck No. 341050 with diamond coated jaws.

**Technical description**

|  |               |
|--|---------------|
| Standard                                 | DIN 338       |
| Feed f in steel < 1100 N/mm <sup>2</sup> | 0.03 mm/rev.  |
| Shank tolerance                          | h7            |
| Flute length $L_c$                       | 20 mm         |
| Overall length L                         | 43 mm         |
| Number of cutting edges Z                | 2             |
| Shank Ø $D_s$                            | 1.6 mm        |
| Nominal Ø $D_c$                          | 1.6 mm        |
| Tolerance nominal Ø                      | h7            |
| recommended maximum drilling depth $L_2$ | 17.6 mm       |
| Coating                                  | TiAlN         |
| Tool material                            | solid carbide |

|                 |                      |
|-----------------|----------------------|
| Type            | N                    |
| Point angle     | 118 degrees          |
| Helix angle     | 30 degrees           |
| Shank           | Parallel shank to h7 |
| Through-coolant | no                   |
| Colour ring     | without              |
| Type of product | Jobber drill         |

### User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|---|----------------|----------|
| Alu plastics                   | suitable only under restricted conditions | 260 m/min      | N        |
| Aluminium (short chipping)     | suitable                                  | 180 m/min      | N        |
| Alu > 10% Si                   | suitable                                  | 180 m/min      | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 90 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 90 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 80 m/min       | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 60 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 35 m/min       | P        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 35 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable                                  | 25 m/min       | M        |
| Ti > 850 N/mm <sup>2</sup>     | suitable                                  | 25 m/min       | S        |
| GG(G)                          | suitable                                  | 90 m/min       | K        |
| CuZn                           | suitable                                  | 180 m/min      | N        |
| Uni                            | suitable                                  |                |          |
| Oil                            | suitable                                  |                |          |
| wet maximum                    | suitable                                  |                |          |
| dry                            | suitable only under restricted conditions |                |          |

