

**Garant**
**Solid carbide jobber drill extra short, uncoated, Ø DC h7: 4,9mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 122100 4,9    |
| GTIN         | 4045197039507 |
| Item class   | 11E           |

**Description**
**Version:**
**Similar to DIN 6539** (extra short).

Nominal Ø and shank Ø equal.

**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**

|  |               |
|--|---------------|
| Nominal Ø $D_c$                          | 4.9 mm        |
| Number of cutting edges Z                | 2             |
| Feed f in steel < 1100 N/mm <sup>2</sup> | 0.08 mm/rev.  |
| Flute length $L_c$                       | 26 mm         |
| Shank tolerance                          | h7            |
| Tolerance nominal Ø                      | h7            |
| Shank Ø $D_s$                            | 4.9 mm        |
| Overall length L                         | 62 mm         |
| Standard                                 | DIN 6539      |
| recommended maximum drilling depth $L_2$ | 18.7 mm       |
| Coating                                  | uncoated      |
| 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 | 200 m/min      | N        |
| Aluminium (short chipping)     | suitable                                  | 140 m/min      | N        |
| Alu > 10% Si                   | suitable only under restricted conditions | 140 m/min      | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 70 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 70 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 60 m/min       | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 40 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 25 m/min       | P        |
| INOX < 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 20 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 20 m/min       | M        |
| Ti > 850 N/mm <sup>2</sup>     | suitable                                  | 15 m/min       | S        |
| CuZn                           | suitable                                  | 140 m/min      | N        |
| Uni                            | suitable                                  |                |          |
| Oil                            | suitable                                  |                |          |
| wet maximum                    | suitable                                  |                |          |

dry

suitable only under  
restricted conditions