

**Garant**
**Solid carbide micro slot drill, DLC, Ø DC × L1: 1,6X6 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 201140 1,6X6  |
| GTIN         | 4062406187057 |
| Item class   | 11X           |

**Description**
**Version:**

With **advanced DLC sp<sup>2</sup> coating**. For the **highest demands regarding performance and precision in aluminium materials**. **Extremely tight tolerances** ensure maximum accuracy. Double relief ground with 2 hollow-ground chamfers. **Recess angle  $\alpha = 16^\circ$** .

Tolerances:

- **Neck Ø:  $D_1 = 0 / -0.01$  mm.**

**Note:**

At greater tool overhang lengths, use a reduced value for  $a_p$ !  
 Values for:  
 slots milled from solid:  $a_p = 0.25 \times D \times a_{p,corr}$   
 side milling:  $a_p = 0.5 \times D \times a_{p,corr}$   
**To calculate the feed rate vf please use the actual speed of the machine (the maximum possible speed)!**  
 e.g:  $vf = 18000 \text{ [rpm]} \times fz \text{ [mm/Z]} \times z$

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h5

No. of teeth Z: 2

Flute length  $L_c$ : 2.4 mm

Overhang length  $L_1$  incl. recess: 6 mm

Overall length L: 45 mm

Shank Ø  $D_s$ : 4 mm

**Technical description**

|                    |                   |
|--------------------|-------------------|
| Shank Ø $D_s$      | 4 mm              |
| Shank              | DIN 6535 HA to h5 |
| Helix angle        | 30 degrees        |
| Flute length $L_c$ | 2.4 mm            |

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Overhang length $L_1$ incl. recess        | 6 mm                        |
| Cutting edge $\varnothing D_c$            | 0.2 mm                      |
| No. of teeth Z                            | 2                           |
| Overall length L                          | 45 mm                       |
| Corner chamfer angle                      | 90 degrees                  |
| Coating                                   | DLC                         |
| Tool material                             | Solid carbide               |
| Standard                                  | Manufacturer's standard     |
| Type                                      | W                           |
| Cutting width $a_e$ for milling operation | 0.5×D for side milling      |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1×D |
| Through-coolant                           | no                          |
| Colour ring                               | yellow                      |
| Type of product                           | End mill                    |