

**Garant**
**Solid carbide micro slot drill, DLC,  $\varnothing$  DC  $\times$  L1: 0,7X2 mm**

**Order data**

Order number	201140 0,7X2
GTIN	4062406187026
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  $\varnothing$ :  $D_1 = 0 / -0.01$  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:  $vf = 18000$  [rpm]  $\times$   $fz$  [mm/Z]  $\times$   $z$

No. of teeth Z: 2

Helix angle: 25 degrees

Shank: DIN 6535 HA to h5

No. of teeth Z: 2

Flute length  $L_c$ : 1 mm

Overhang length  $L_1$  incl. recess: 2 mm

Overall length L: 45 mm

Shank  $\varnothing$   $D_s$ : 4 mm

**Technical description**

Shank $\varnothing$ $D_s$	4 mm
Flute length $L_c$	1 mm
Cutting edge $\varnothing$ $D_c$	0.2 mm
Helix angle	25 degrees

Overall length L	45 mm
No. of teeth Z	2
Overhang length L <sub>1</sub> incl. recess	2 mm
Shank	DIN 6535 HA to h5
Corner chamfer angle	90 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Cutting width a <sub>e</sub> for milling operation	0.5×D for side milling
Cutting width a <sub>e</sub> for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	yellow
Type of product	End mill