Garant

Solid carbide micro slot drill, DLC, ⌀ DC × L1: 0,2X1,5 mm

Order data

Order number	201140 0,2X1,5
GTIN	4062406187019
Item class	11X

Description

Version:
With **advanced DLC sp^2 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 α = 16°.**
Tolerances:
· **Neck ⌀: 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]× fz [mm/Z]× 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: 0.3 mm
Overhang length L_1 incl. recess: 1.5 mm
Overall length L: 45 mm
Shank ⌀ D_s: 4 mm

Technical description

No. of teeth Z	2
Helix angle	25 degrees
Cutting edge ⌀ D_C	0.2 mm
Shank ⌀ D_s	4 mm

Shank	DIN 6535 HA to h5
Flute length L_c	0.3 mm
Overall length L	45 mm
Overhang length L_1 incl. recess	1.5 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