

**Garant**
**Solid carbide slot drill, DLC, Ø h10 DC: 1mm**

**Order data**

Order number	201045 1
GTIN	4045197706348
Item class	11X

**Description**
**Version:**

**Large flutes for unobstructed swarf evacuation.**

Special geometry **for machining aluminium.**

With the latest generation of **DLC coating sp<sup>2</sup>.**

**Application:**

Especially for milling **aluminium, plunging** and **contour milling.**

**Technical description**

Feed $f_z$ for slot milling in short-chipping aluminium	0.004 mm
No. of teeth Z	1
Cutting edge Ø $D_c$	1 mm
Shank Ø $D_s$	3 mm
Overall length L	50 mm
Flute length $L_c$	4 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal Ø	h10
Helix angle	26 degrees
Corner chamfer angle	90 degrees
Coating	DLC

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Colour ring	yellow
Type of product	End / face mill

### User data

	Suitability	$V_c$	ISO code
Aluminium	Suitable	480 m/min	N
Aluminium (short chipping)	suitable	440 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	Suitable	200 m/min	N
PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	Suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	Suitable	180 m/min	N
POM GF25	Suitable	160 m/min	N
PA 66 GF30	Suitable	150 m/min	N
PEEK GF30	Suitable	130 m/min	N
PTFE CF25	Suitable	160 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N
Cu	Suitable	160 m/min	N
CuZn	Suitable	200 m/min	N
wet maximum	suitable		

wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	suitable