

**Garant**
**Solid carbide slot drill, uncoated, Ø h10 DC: 12mm**

**Order data**

Order number	201040 12
GTIN	4045197111913
Item class	11X

**Description**
**Version:**

**Large flutes for unobstructed swarf evacuation.**

Special geometry for aluminium machining.

**Application:**

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

**Technical description**

No. of teeth Z	1
Cutting edge Ø D <sub>c</sub>	12 mm
Feed f <sub>z</sub> for slot milling in short-chipping aluminium	0.05 mm
Shank Ø D <sub>s</sub>	12 mm
Overall length L	80 mm
Flute length L <sub>c</sub>	30 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	uncoated
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	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable	105 m/min	N
PMMA acrylic	Suitable	180 m/min	N
PE-HD	Suitable	130 m/min	N
PA 66	Suitable	150 m/min	N
PEEK	Suitable	130 m/min	N
PF 31	Suitable	110 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	180 m/min	N
Cu	Suitable	140 m/min	N
CuZn	Suitable	180 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

