

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


Order data

Order number	209300 12
GTIN	4045197859426
Item class	11X

Description

Version:

 Special geometry **for machining plastic.**
Large flutes for unobstructed swarf evacuation.
Application:

 Especially for milling **plastics, plunging** and **contour milling.**
Note:
Successor product to No. 209310.

Technical description

Feed f_z for slot milling in PMMA	0.05 mm
Shank	DIN 6535 HA to h5
Shank $\varnothing D_s$	12 mm
Overhang length L_1 incl. recess	38 mm
Cutting edge $\varnothing D_c$	12 mm
Recess $\varnothing D_1$	11.8 mm
Tolerance nominal \varnothing	h10
No. of teeth Z	1
Overall length L	83 mm
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	30 mm

Helix angle	23 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 only under restricted conditions	180 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	140 m/min	N
Alu > 10% Si	suitable only under restricted conditions	105 m/min	N
PMMA acrylic	suitable	190 m/min	N
PE-HD	suitable	140 m/min	N
PA 66	suitable	160 m/min	N
PEEK	suitable	140 m/min	N
PF 31	suitable	120 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	180 m/min	N
Cu	Suitable	150 m/min	N
CuZn	suitable only under restricted conditions	180 m/min	N
wet maximum	suitable		

dry	suitable only under restricted conditions
Air	suitable