

Garant
Solid carbide milling cutter, uncoated, \varnothing h10 DC: 12mm

Order data

Order number	201043 12
GTIN	4045197746207
Item class	11X

Description
Version:

Large flutes for unobstructed swarf evacuation.

Special geometry **for machining aluminium.**

Application:

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

Technical description

Tolerance nominal \varnothing	h10
Overall length L	120 mm
No. of teeth Z	1
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	12 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	45 mm
Feed f_z for slot milling in short-chipping aluminium	0.05 mm
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	170 m/min	N
Aluminium (short chipping)	suitable	125 m/min	N
Alu > 10% Si	suitable	100 m/min	N
PMMA acrylic	Suitable	170 m/min	N
PE-HD	Suitable	120 m/min	N
PA 66	Suitable	140 m/min	N
PEEK	Suitable	120 m/min	N
PF 31	Suitable	100 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	170 m/min	N
Cu	Suitable	130 m/min	N
CuZn	Suitable	160 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		

