

Garant**Solid carbide milling cutters, DLC, Ø h10 DC: 12mm****Order data**

Order number	201046 12
GTIN	4045197964830
Item class	11X

Description**Version:**

Large flute section for unobstructed swarf evacuation.

Special geometry **for machining aluminium.**

With the latest generation of **DLC coating sp².**

Application:

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

Technical description

Shank Ø D _s	12 mm
No. of teeth Z	1
Cutting edge Ø D _c	12 mm
Helix angle	26 degrees
Overall length L	120 mm
Feed f _z for slot milling in short-chipping aluminium	0.05 mm
Tolerance nominal Ø	h10
Direction of infeed	horizontal, oblique and vertical
Flute length L _c	45 mm
Shank	DIN 6535 HA to h6
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	440 m/min	N
Aluminium (short chipping)	suitable	400 m/min	N
Alu > 10% Si	suitable	360 m/min	N
PMMA acrylic	Suitable	180 m/min	N
PE-HD	Suitable	150 m/min	N
PA 66	Suitable	180 m/min	N
PEEK	Suitable	140 m/min	N
PF 31	Suitable	120 m/min	N
PVDF GF20	Suitable	170 m/min	N
POM GF25	Suitable	150 m/min	N
PA 66 GF30	Suitable	140 m/min	N
PEEK GF30	Suitable	120 m/min	N
PTFE CF25	Suitable	150 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	280 m/min	N
Cu	Suitable	150 m/min	N
CuZn	Suitable	190 m/min	N
wet maximum	suitable		

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