

Garant
Solid carbide milling cutters, DLC, Ø h10 DC: 3mm

Order data

Order number	201046 3
GTIN	4045197964779
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

Tolerance nominal Ø	h10
No. of teeth Z	1
Feed f_z for slot milling in short-chipping aluminium	0.008 mm
Shank Ø D_s	3 mm
Overall length L	75 mm
Flute length L_c	22 mm
Cutting edge Ø D_c	3 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	26 degrees
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