

Garant
Solid carbide slot drill, DLC, Ø e8 DC: 6mm

Order data

Order number	201735 6
GTIN	4045197588418
Item class	11X

Description
Version:

With the latest generation of **DLC coating sp²**.
Special geometry for machining aluminium and plastics.

Application:

Double relieved chip angle, **especially for aluminium machining.**

Technical description

Recess Ø D ₁	5.8 mm
Feed f _z for slot milling in cast aluminium	0.025 mm
Overhang length L ₁ incl. recess	21 mm
Cutting edge Ø D _c	6 mm
No. of teeth Z	2
Feed f _z for side milling in cast aluminium	0.04 mm
Shank Ø D _s	6 mm
Overall length L	64 mm
Flute length L _c	16 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal Ø	e8
Helix angle	20 degrees

Corner chamfer angle	90 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Cutting width a_e for milling operation	0,25×D ved beskæring
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	suitable	480 m/min	N
Aluminium (short chipping)	suitable	440 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	Suitable	200 m/min	N
PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	Suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	suitable	180 m/min	N
POM GF25	Suitable	160 m/min	N
PA 66 GF30	suitable	150 m/min	N
PEEK GF30	suitable	130 m/min	N
PTFE CF25	suitable	160 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N

Cu	Suitable	160 m/min	N
CuZn	Suitable	200 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		
Air Services	suitable		

Shank grinding Type HB	129100 HB
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