

**Garant**
**Solid carbide roughing end mill, DLC, Ø d11 DC: 5mm**


## Order data

Order number	205331 5
GTIN	4045197878830
Item class	11X

## Description

### Version:

**Dimensions similar to DIN 6527.**

**Knuckle form profile.**

**Special profile for machining non-ferrous metals.**

With the latest generation of **DLC coating sp<sup>2</sup>**.

## Technical description

Shank Ø D <sub>s</sub>	6 mm
No. of teeth Z	3
Direction of infeed	horizontal, oblique and vertical
Corner chamfer width at 45°	0.35 mm
Flute length L <sub>c</sub>	13 mm
Cutting edge Ø D <sub>c</sub>	5 mm
Recess Ø D <sub>1</sub>	4.8 mm
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.045 mm
Tolerance nominal Ø	d11
Shank	DIN 6535 HA to h6
Feed f <sub>z</sub> for slot milling in short-chipping aluminium	0.035 mm
Overhang length L <sub>1</sub> incl. recess	20.5 mm

Overall length L	57 mm
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	DLC
Tool material	solid carbide
Standard	Manufacturer's standard
Milling profile	WR
Cutting width $a_e$ for milling operation	0.5×D for side milling
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	400 m/min	N
Aluminium (short chipping)	suitable	320 m/min	N
Alu > 10% Si	suitable	260 m/min	N
Cu	Suitable	150 m/min	N
CuZn	Suitable	180 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		

## Services

Shank grinding Type HB	129100 HB
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