

**Garant**
**Solid carbide roughing end mill, DLC, Ø d11 DC: 8mm**


## Order data

Order number	205331 8
GTIN	4045197767219
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

Flute length $L_c$	16 mm
Tolerance nominal $\varnothing$	d11
Direction of infeed	horizontal, oblique and vertical
Overhang length $L_1$ incl. recess	27 mm
Overall length $L$	63 mm
No. of teeth $Z$	3
Cutting edge $\varnothing D_c$	8 mm
Corner chamfer width at 45°	0.45 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.06 mm
Recess $\varnothing D_1$	7.8 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.08 mm
Shank $\varnothing D_s$	8 mm

Shank	DIN 6535 HA to h6
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

