

**Garant**
**Solid carbide roughing end mill, DLC, Ø d11 DC: 16mm**

**Order data**

Order number	205331 16
GTIN	4045197767240
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**

Corner chamfer width at 45°	0.85 mm
No. of teeth Z	3
Overhang length L <sub>1</sub> incl. recess	44 mm
Shank Ø D <sub>s</sub>	16 mm
Recess Ø D <sub>1</sub>	15.8 mm
Cutting edge Ø D <sub>c</sub>	16 mm
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.11 mm
Shank	DIN 6535 HA to h6
Feed f <sub>z</sub> for slot milling in short-chipping aluminium	0.09 mm
Tolerance nominal Ø	d11
Direction of infeed	horizontal, oblique and vertical
Flute length L <sub>c</sub>	32 mm

Overall length L	92 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

