

Garant
Solid carbide roughing end mill, DLC, Ø d11 DC: 12mm

Order data

Order number	205331 12
GTIN	4045197767233
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 sp²**.

Technical description

Recess Ø D ₁	11.8 mm
Feed f _z for side milling in short-chipping aluminium	0.09 mm
Overall length L	83 mm
Cutting edge Ø D _c	12 mm
Tolerance nominal Ø	d11
Flute length L _c	26 mm
Overhang length L ₁ incl. recess	38 mm
Shank	DIN 6535 HA to h6
Shank Ø D _s	12 mm
Feed f _z for slot milling in short-chipping aluminium	0.07 mm
Direction of infeed	horizontal, oblique and vertical
Corner chamfer width at 45°	0.65 mm

No. of teeth Z	3
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

