

Garant
Solid carbide roughing end mill, DLC, Ø d11 DC: 20mm


Order data

Order number	205331 20
GTIN	4045197767257
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

Cutting edge Ø D _c	20 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Overhang length L ₁ incl. recess	54 mm
Flute length L _c	38 mm
Corner chamfer width at 45°	1.05 mm
Recess Ø D ₁	19.8 mm
Feed f _z for side milling in short-chipping aluminium	0.14 mm
Shank Ø D _s	20 mm
Overall length L	104 mm
Feed f _z for slot milling in short-chipping aluminium	0.12 mm
Shank	DIN 6535 HA to h6

Tolerance nominal \varnothing	d11
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

