

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

Order data

Order number	205330 20
GTIN	4045197644039
Item class	11X

Description
Version:

Dimensions similar to DIN 6527.

Knuckle form profile.

Special profile for machining non-ferrous metals.

Technical description

Overhang length L_1 incl. recess	54 mm
Recess $\varnothing D_1$	19.8 mm
Feed f_z for side milling in short-chipping aluminium	0.14 mm
Corner chamfer width at 45°	1.05 mm
Feed f_z for slot milling in short-chipping aluminium	0.12 mm
No. of teeth Z	3
Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length L_c	38 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	d11

Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	uncoated
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	270 m/min	N
Aluminium (short chipping)	suitable	250 m/min	N
Alu > 10% Si	suitable only under restricted conditions	180 m/min	N
Cu	Suitable	80 m/min	N
CuZn	Suitable	100 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		