



## HOLEX Pro Steel Solid carbide roughing end mill HPC, TiAlN, Ø DC: 20mm



### Order data

Order number	GG1054 20
GTIN	4045197735867
Item class	GGN

### Description

#### Version:

For **roughing and finishing**.

Up to 1×D into solid material **at very high feed rates** with smooth cutting action. Dimensions to **manufacturer's standard**.

**Same as No. 203054.**

#### Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

#### Content:

5 pieces.

### Technical description

Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.13 mm
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Recess $\varnothing D_1$	19.5 mm
No. of teeth Z	4
Shank	DIN 6535 HB to h6

Tolerance nominal $\varnothing$	0 / -0.03
Overhang length $L_1$ incl. recess	54 mm
Corner chamfer width at 45°	0.5 mm
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Flute length $L_c$	38 mm
Cutting edge $\varnothing D_c$	20 mm
Helix angle	38 degrees
Contents	5
Series	Pro Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	260 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	240 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	160 m/min	P

INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	80 m/min	M
GG(G)	suitable	250 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

## Accessories

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20 mm

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