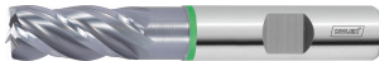



**HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 10mm**

**Order data**

Order number	203054 10
GTIN	4045197713025
Item class	12X

**Description**
**Version:**

For **roughing and finishing**.

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

**Advantage:**

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

**Technical description**

Recess $\varnothing D_1$	9.5 mm
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Cutting edge $\varnothing D_c$	10 mm
Corner chamfer width at $45^\circ$	0.3 mm
Overhang length $L_1$ incl. recess	32 mm
No. of teeth $Z$	4
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Shank $\varnothing D_s$	10 mm
Overall length $L$	72 mm
Flute length $L_c$	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	HB with h6

Tolerance nominal $\varnothing$	0 / -0.03
Helix angle	38 degrees
Corner chamfer angle	45 degrees
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
Through-coolant	no
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