


**HOLEX Pro Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 20/1,0mm**

**Order data**

Order number	206357 20/1,0
GTIN	4045197770530
Item class	12X

**Description**
**Version:**

Tolerance: Corner radius  $R_1 = \pm 0.03$  mm.

**Advantage:**

HPC milling cutters will with various corner radii for all radial transitions.  
Optimised flute form, eccentric relief ground, wide chip space.

**Technical description**

Feed $f_z$ for side milling in steel $< 900$ N/mm <sup>2</sup>	0.13 mm
Cutting edge Ø $D_c$	20 mm
Overhang length $L_1$ incl. recess	54 mm
Recess Ø $D_1$	19.5 mm
No. of teeth $Z$	4
Overall length $L$	104 mm
Shank Ø $D_s$	20 mm
Corner radius $R_1$	1 mm
Flute length $L_c$	38 mm
Feed $f_z$ for slot milling in steel $< 900$ N/mm <sup>2</sup>	0.1 mm
Shank	DIN 6535 HB to h6
Helix angle	38 degrees
Series	Pro Steel

Coating	TiAlN
Tool material	solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	0 / -0.03
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
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Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	Torus cutter

## 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