

**HOLEX**
**HOLEX Pro INOX solid carbide torus cutter HPC DIN 6535 HB, AlCrN, Ø DC / R1: 5/1,0mm**

**Order data**

Order number	GG1248 5/1,0
GTIN	4045197908735
Item class	GGN

**Description**
**Version:**

Dimensions similar to DIN 6527.

For **outstanding tool life**.

For use at **high cutting speeds, particularly suitable even for steels up to approx. 1100N/mm<sup>2</sup>**.

**Same as No. 206348.**

**Technical description**

Shank	DIN 6535 HB to h6
No. of teeth Z	4
Recess Ø D <sub>1</sub>	4.8 mm
Flute length L <sub>c</sub>	13 mm
Shank Ø D <sub>s</sub>	6 mm
Corner radius R <sub>1</sub>	1 mm
Feed f <sub>z</sub> for side milling in INOX > 900 N/mm <sup>2</sup>	0.023 mm

Feed $f_z$ for copy milling in stainless steel $> 900 \text{ N/mm}^2$	0.03 mm
Overhang length $L_1$ incl. recess	19 mm
Overall length $L$	57 mm
Cutting edge $\varnothing D_c$	5 mm
Helix angle	35 degrees
Contents	5
Series	Pro Inox
Coating	AlCrN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	f8
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	$0.05 \times D$ for copy milling
Cutting width $a_e$ for milling operation	$0.3 \times D$ for side milling
Machining strategy	HPC
Shank tolerance	h6
Type of product	Torus cutter

## User data

	Suitability	$V_c$	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	240 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	220 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable only under restricted conditions	150 m/min	P

TOOLOX 33	suitable only under restricted conditions	115 m/min	H
TOOLOX 44	suitable only under restricted conditions	80 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	100 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	85 m/min	M
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

## Accessories

HOLEX Pro INOX solid carbide torus cutterHPC DIN 6535  
HB Ø DC / R1 5/1,0 mm

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