

**HOLEX****HOLEX Pro INOX solid carbide torus cutter HPC DIN 6535 HB, AlCrN, Ø DC / R1:  
12/0,5mm****Order data**

Order number	GG1248 12/0,5
GTIN	4045197908896
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
Flute length L <sub>c</sub>	26 mm
Feed f <sub>z</sub> for side milling in INOX > 900 N/mm <sup>2</sup>	0.065 mm
Feed f <sub>z</sub> for copy milling in stainless steel > 900 N/mm <sup>2</sup>	0.08 mm
Corner radius R <sub>1</sub>	0.5 mm
Cutting edge Ø D <sub>c</sub>	12 mm
No. of teeth Z	4

Overhang length $L_1$ incl. recess	36 mm
Overall length L	83 mm
Recess $\varnothing D_1$	11.6 mm
Shank $\varnothing D_s$	12 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 N/mm <sup>2</sup>	suitable	240 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	220 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 1400 N/mm <sup>2</sup>	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  
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