



HOLEX Pro INOX solid carbide torus cutter HPC DIN 6535 HB, AlCrN, Ø DC / R1: 4/0,4mm



Order data

Order number	206348 4/0,4
GTIN	4045197854780
Item class	12X

Description

Version:

Dimensions similar to DIN 6527.

HPC milling cutter with **newly developed high-performance coating**.

For **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels.

For use at **high cutting speeds**, particularly suitable even for steels up to approx. 1100 N/mm².

No. of teeth Z: 4

Helix angle: 35 °

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c: 11 mm

Corner radius R₁: 0.4 mm

Overhang length L₁ incl. recess: 17 mm

Recess Ø D₁: 3.8 mm

Overall length L: 57 mm

Technical description

Cutting edge Ø D _c	4 mm
Flute length L _c	11 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.025 mm
Overhang length L ₁ incl. recess	17 mm
Shank Ø D _s	6 mm

Shank	DIN 6535 HB to h6
No. of teeth Z	4
Corner radius R ₁	0.4 mm
Recess Ø D ₁	3.8 mm
Overall length L	57 mm
Helix angle	35 °
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.02 mm
Series	Pro Inox
Coating	AlCrN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	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	0.3×D for side milling
Cutting width a _e for milling operation	0.05×D for side milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	blue
Type of product	Torus cutter

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	240 m/min	P
Steel < 750 N/mm ²	suitable	220 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P

Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 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 ²	suitable	100 m/min	M
INOX > 900 N/mm ²	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		