


HOLEX Pro Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 12/1,5mm

Order data

Order number	206357 12/1,5
GTIN	4045197770462
Item class	12X

Description
Version:

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

Advantage:

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

Technical description

Cutting edge Ø D_c	12 mm
Corner radius R_1	1.5 mm
Overhang length L_1 incl. recess	38 mm
Recess Ø D_1	11.5 mm
Flute length L_c	26 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
No. of teeth Z	4
Shank Ø D_s	12 mm
Overall length L	83 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.07 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 $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
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 ²	suitable	260 m/min	P
Steel < 750 N/mm ²	suitable	240 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P
Steel < 1100 N/mm ²	suitable	160 m/min	P
INOX < 900 N/mm ²	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