


HOLEX Pro Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 16/0,5mm

Order data

Order number	206357 16/0,5
GTIN	4045197770493
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

Overall length L	92 mm
Cutting edge Ø D _c	16 mm
Overhang length L ₁ incl. recess	44 mm
No. of teeth Z	4
Corner radius R ₁	0.5 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.1 mm
Flute length L _c	32 mm
Recess Ø D ₁	15.5 mm
Shank Ø D _s	16 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.08 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