Garant

GARANT Diabolo solid carbide torus cutter HRC 62 HPC, TiSiN, \varnothing e8 DC / R1: 10/1,0mm



Order data

Order number	206421 10/1,0
GTIN	4069515030670
Item class	11Z

Description

Version:

GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

Tolerance: Corner radius $\mathbf{R}_1 = \pm \mathbf{0.005}$ mm.

Specialist for steels up to 62 HRC. Reliable process and longer service life thanks to optimised cutter geometry and state-of-the-art high-performance coating.

Without dynamic helical pitch.

Technical description

Overhang length L₁ incl. recess	32 mm	
Shank Ø D _s	10 mm	
Feed f_z for copy milling in steel < 65 HRC	0.07 mm	
Shank	DIN 6535 HA to h6	
Cutting edge Ø D _C	10 mm	
Corner radius R ₁	1 mm	
No. of teeth Z	6	
Recess Ø D ₁	9.2 mm	
Flute length L _c	11 mm	
Helix angle	50 degrees	

Data sheet

Overall length L	72 mm	
Feed f_z for side milling in steel < 60 HRC	0.045 mm	
Feed f_z for copy milling in steel < 60 HRC	0.07 mm	
Series	Diabolo	
Coating	TiSiN	
Tool material	Solid carbide	
Standard	Manufacturer's standard	
Туре	Н	
Tolerance nominal Ø	h7	
Direction of infeed	horizontal, oblique and vertical	
Cutting width a _e for milling operation	0.05×D for side milling	
Cutting width a _e for milling operation	0.05×D for copy milling	
Through-coolant	no	
chining strategy HPC		
Shank tolerance	h6	
Colour ring	red	
Type of product	Torus cutter	

User data

	Suitability	V _c	ISO code
Steel < 1400 N/mm ²	suitable only under restricted conditions	170 m/min	Р
Steel < 50 HRC	suitable only under restricted conditions	150 m/min	Н
Steel < 55 HRC	suitable	130 m/min	Н
Steel < 60 HRC	suitable	100 m/min	Н
Steel < 65 HRC	suitable	80 m/min	Н
Steel < 67 HRC	suitable only under restricted conditions	65 m/min	Н

Data sheet

wet minimum	suitable only under restricted conditions	
dry	suitable	
Air Suitable products	suitable	

https://www.hoffmann-group.com/GB/en/hom/p/206421-10/1,0