

GARANT Diabolo solid carbide milling cutter HRC 62 HPC, TiSiN, Ø DC: 12mm



Order data

Order number	203221 12		
GTIN	4069515036634		
Item class	11Z		

Description

Version:

GARANT Diabolo:

Special geometry, coating and carbide specially for hard machining.

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.

Dimensions similar to DIN 6527.

Application:

For peripheral milling as a finishing operation.

(plunge cutting only to shallow depths).

Technical description

Overall length L	83 mm		
Helix angle	50 degrees		
Feed f_z for side milling in steel < 60 HRC	0.05 mm		
Direction of infeed	horizontal, oblique and vertical		
No. of teeth Z	6		
Corner chamfer angle	90 degrees		
Cutting edge \varnothing D_c	12 mm		
Shank	DIN 6535 HA to h6		
Shank Ø D _s	12 mm		
Tolerance nominal Ø	h7		

Data sheet

Flute length L _c	28 mm		
Series	Diabolo		
Coating	TiSiN		
Tool material	Solid carbide		
Standard	DIN 6527		
Туре	Н		
Helix angle characteristic	unequal spacing		
Cutting width a _e for milling operation	0.05×D for side milling		
Through-coolant	no		
Machining strategy	HPC		
Colour ring	red		
Type of product	Indexable end mill		

User data

	Suitability	\mathbf{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
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

Suitable products

https://www.hoffmann-group.com/GB/en/hom/p/203221-12

Data sheet