

Garant

GARANT Master INOX solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 3/0,3mm



Order data

Order number	206345 3/0,3
GTIN	4045197851918
Item class	11X

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.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Advantage:

Greater oxidation resistance and high-temperature hardness.

No. of teeth Z: 4

Helix angle: 40°

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 8 mm

Corner radius R_1 : 0.3 mm

Overhang length L_1 incl. recess: 14 mm

Recess Ø D_1 : 2.9 mm

Overall length L: 57 mm

Technical description

Shank Ø D_s	6 mm
Overall length L	57 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.018 mm
Cutting edge Ø D_c	3 mm

Shank	DIN 6535 HA to h6
Corner radius R_1	0.3 mm
No. of teeth Z	4
Recess $\varnothing D_1$	2.9 mm
Flute length L_c	8 mm
Overhang length L_1 incl. recess	14 mm
Helix angle	40 °
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.015 mm
Series	Master Inox
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	h10
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	250 m/min	P
Steel < 750 N/mm ²	suitable	230 m/min	P

Steel < 900 N/mm ²	suitable	200 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm ²	suitable	110 m/min	M
INOX > 900 N/mm ²	suitable	90 m/min	M
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable		
dry	Suitable only under restricted conditions		
Air	suitable		
Services			
Shank grinding Type HB	129100 HB		