

Garant
GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 3mm

Order data

Order number	202997 3
GTIN	4062406231552
Item class	11X

Description
Version:

For **roughing and finishing**.

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. **Greater oxidation resistance** and **high-temperature hardness**.

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

Advantage:

Particularly low vibration running.

Technical description

Recess Ø D ₁	2.8 mm
Cutting edge Ø D _c	3 mm
Flute length L _c	8 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4
Tolerance nominal Ø	h10
Feed f _z for side milling in INOX > 900 N/mm ²	0.015 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.012 mm
Shank Ø D _s	6 mm
Corner chamfer width at 45°	0.1 mm

Overall length L	57 mm
Overhang length L ₁ incl. recess	20 mm
Helix angle	40 degrees
Shank	DIN 6535 HB to h6
Corner chamfer angle	45 degrees
Series	Master INOX
Coating	TiAlN
Tool material	solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a _e for milling operation	Full slot cutting depth 1×D
Cutting width a _e for milling operation	0.1×D
Through-coolant	no
Machining strategy	TPC
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

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	115 m/min	P
Steel < 50 HRC	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
wet maximum	suitable		
wet minimum	suitable		
dry	Suitable only under restricted conditions		
Air	suitable		