Garant

GARANT Master INOX solid carbide milling cutter HPC, TiAlN, ∅ h10 DC: 3mm

Order data

Order number	202998 3
GTIN	4045197860910
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.
Tolerance nominal ∅: h10
No. of teeth Z: 4
Helix angle: 40 °
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length L_c: 5 mm
Overall length L: 50 mm
Shank ∅ D_s: 6 mm
Corner chamfer width at 45°: 0.15 mm
Feed f_z for slot milling in stainless steel > 900 N/mm^2: 0.012 mm

Technical description

Shank ∅ D_s	6 mm
Flute length L_c	5 mm
Feed f_z for side milling in INOX > 900 N/mm^2	0.015 mm

Tolerance nominal ∅	h10
Feed f_z for slot milling in stainless steel > 900 N/mm²	0.012 mm
Overall length L	50 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.15 mm
Shank	DIN 6535 HB to h6
Cutting edge ∅ D_C	3 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	40 °
Corner chamfer angle	45 °
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	0.3×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	250 m/min	P
Steel < 750 N/mm²	suitable	230 m/min	P
Steel < 900 N/mm²	suitable	200 m/min	P

Steel < 1100 N/mm²	suitable	180 m/min	P
Steel < 1400 N/mm²	suitable	115 m/min	P
Steel < 50 HRC	suitable	80 m/min	H
INOX < 900 N/mm²	suitable	110 m/min	M
INOX > 900 N/mm²	suitable	90 m/min	M
wet maximum	suitable		
wet minimum	suitable		
dry	Suitable only under restricted conditions		
Air	suitable		