Garant

GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, ⌀ h10 DC: 10mm

Order data

Order number	203007 10
GTIN	4045197775757
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: 22 mm
Overhang length L_1 incl. recess: 34 mm
Recess ⌀ D_1: 9.5 mm
Overall length L: 72 mm
Shank ⌀ D_s: 10 mm

Technical description

Feed f_z for slot milling in stainless steel > 900 N/mm^2	0.04 mm
Flute length L_c	22 mm
No. of teeth Z	4

Shank	DIN 6535 HB to h6
Feed f_z for side milling in INOX > 900 N/mm^2	0.045 mm
Overall length L	72 mm
Recess ⌀ D_1	9.5 mm
Corner chamfer width at 45°	0.25 mm
Direction of infeed	horizontal, oblique and vertical
Cutting edge ⌀ D_C	10 mm
Shank ⌀ D_s	10 mm
Overhang length L_1 incl. recess	34 mm
Tolerance nominal ⌀	h10
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	0.1×D
Cutting width a_e for milling operation	Full slot cutting depth 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/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		