Garant

GARANT Master INOX M solid carbide milling cutter HPC / TPC, TiAlN, ∅ e8 DC: 6 mm

Order data

Order number	202989 6
GTIN	4062406244996
Item class	11X

Description

Version:
Milling cutter with newly **developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. Can be used at high **cutting speeds**, e.g. in duplex steels.
Note:
Successor product to No. 203009.
Tolerance nominal ∅: e8
No. of teeth Z: 4
Helix angle: 42 degrees
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length L_c: 13 mm
Overhang length L_1 incl. recess: 19 mm
Recess ∅ D_1: 5.8 mm
Overall length L: 57 mm
Shank ∅ D_s: 6 mm

Technical description

Feed f_z for slot milling in stainless steel > 900 N/mm^2	0.04 mm
Shank	DIN 6535 HB to h6
Flute length L_c	13 mm
Overhang length L_1 incl. recess	19 mm

Direction of infeed	horizontal, oblique and vertical
Overall length L	57 mm
Feed f_z for side milling in INOX > 900 N/mm^2	0.05 mm
Shank ∅ D_s	6 mm
Recess ∅ D_1	5.8 mm
Helix angle	42 degrees
No. of teeth Z	4
Cutting edge ∅ D_C	6 mm
Tolerance nominal ∅	e8
Corner rounding r_v	0.1 mm
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
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	0.03×D for copy milling
Cutting width a_e for milling operation	0.1×D
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST