

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

Order data

Order number	202989 6M
GTIN	4062406245009
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 Ø: 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 : 18 mm

Overhang length L_1 incl. recess: 24 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 62 mm

Shank Ø D_s : 6 mm

Technical description

Shank Ø D_s	6 mm
Overhang length L_1 incl. recess	24 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm

Flute length L_c	18 mm
Recess $\varnothing D_1$	5.8 mm
Helix angle	42 degrees
No. of teeth Z	4
Overall length L	62 mm
Cutting edge $\varnothing D_c$	6 mm
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal $\varnothing$	e8
Shank	DIN 6535 HB to h6
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 $1 \times D$
Cutting width a_e for milling operation	$0.03 \times D$ for copy milling
Cutting width a_e for milling operation	$0.1 \times D$
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
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