

Garant
GARANT Master INOX M solid carbide milling cutter HPC / TPC, TiAlN, Ø e8 DC: 12 mm

Order data

Order number	202989 12
GTIN	4062406245061
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 : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11.6 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Shank	DIN 6535 HB to h6
Flute length L_c	26 mm
Tolerance nominal Ø	e8
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.07 mm

Shank Ø D _s	12 mm
Helix angle	42 degrees
Recess Ø D ₁	11.6 mm
Overall length L	83 mm
Overhang length L ₁ incl. recess	36 mm
Direction of infeed	horizontal, oblique and vertical
Feed f _z for side milling in INOX > 900 N/mm ²	0.08 mm
Cutting edge Ø D _c	12 mm
No. of teeth Z	4
Corner rounding r _v	0.2 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 clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 12 mm	SZ2025 12
	209900 FRST

Shank recess Type FRST
