

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

**Order data**

Order number	202986 12
GTIN	4062406242343
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. 202993.**

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  $L_c$ : 16 mm

Overhang length  $L_1$  incl. recess: 26 mm

Recess Ø  $D_1$ : 11.6 mm

Overall length L: 73 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Recess Ø $D_1$	11.6 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.09 mm
Helix angle	42 degrees
Overhang length $L_1$ incl. recess	26 mm

Tolerance nominal $\varnothing$	e8
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	4
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HB to h6
Cutting edge $\varnothing D_c$	12 mm
Flute length $L_c$	16 mm
Feed $f_z$ for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.07 mm
Overall length L	73 mm
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 $1 \times D$
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank  $\varnothing$  tool 12 mm

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