

**Garant**
**GARANT Master INOX M solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 16 mm**

**Order data**

Order number	202986 16
GTIN	4062406242350
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  $L_c$ : 22 mm

Overhang length  $L_1$  incl. recess: 32 mm

Recess Ø  $D_1$ : 15.5 mm

Overall length L: 82 mm

Shank Ø  $D_s$ : 16 mm

**Technical description**

Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical
Overall length L	82 mm
Feed $f_z$ for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.08 mm

Recess $\varnothing D_1$	15.5 mm
No. of teeth Z	4
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.1 mm
Cutting edge $\varnothing D_c$	16 mm
Flute length $L_c$	22 mm
Overhang length $L_1$ incl. recess	32 mm
Helix angle	42 degrees
Shank	DIN 6535 HB to h6
Shank $\varnothing D_s$	16 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 1xD
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
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 16 mm

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