

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

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.

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 $> 900 \text{ N/mm}^2$	0.08 mm
Recess Ø D_1	15.5 mm
No. of teeth Z	4
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.1 mm
Cutting edge Ø 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	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 / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	250 m/min	P
Steel < 750 N/mm ²	suitable	230 m/min	P
Steel < 900 N/mm ²	suitable	200 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm ²	suitable	100 m/min	M
INOX > 900 N/mm ²	suitable	90 m/min	M

Uni	suitable only under restricted conditions
wet maximum	suitable
wet minimum	suitable
dry	Suitable only under restricted conditions
Air	suitable