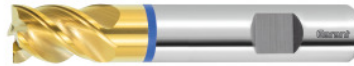


Garant
GARANT Master INOX M solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 5mm

Order data

Order number	202986 5
GTIN	4062406242299
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

Direction of infeed	horizontal, oblique and vertical
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.04 mm
Tolerance nominal \varnothing	e8
Overall length L	54 mm
No. of teeth Z	4
Shank $\varnothing D_s$	6 mm
Helix angle	42 degrees
Shank	DIN 6535 HB to h6
Cutting edge $\varnothing D_c$	5 mm
Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.05 mm
Flute length L_c	9 mm

Corner rounding r_v	0.1 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 $1 \times D$
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 / 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