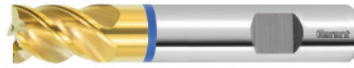


Garant
GARANT Master INOX M solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 10mm

Order data

Order number	202986 10
GTIN	4062406242329
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

No. of teeth Z	4
Recess Ø D ₁	9.7 mm
Shank	DIN 6535 HB to h6
Cutting edge Ø D _c	10 mm
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical
Feed f _z for side milling in INOX > 900 N/mm ²	0.08 mm
Helix angle	42 degrees
Flute length L _c	14 mm
Overall length L	66 mm
Shank Ø D _s	10 mm

Overhang length L_1 incl. recess	24 mm
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.07 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 $1 \times D$
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 $< 500 \text{ N/mm}^2$	suitable	250 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	230 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	200 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX $< 900 \text{ N/mm}^2$	suitable	100 m/min	M
INOX $> 900 \text{ N/mm}^2$	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