

Garant

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



Order data

Order number	202989 16M
GTIN	4062406245108
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. 203009.

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 : 48 mm

Overhang length L_1 incl. recess: 58 mm

Recess Ø D_1 : 15.5 mm

Overall length L: 108 mm

Shank Ø D_s : 16 mm

Technical description

Helix angle	42 degrees
Feed f_z for side milling in INOX > 900 N/mm ²	0.09 mm
Overall length L	108 mm
Direction of infeed	horizontal, oblique and vertical

Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.08 mm
Recess $\varnothing D_1$	15.5 mm
Flute length L_c	48 mm
Tolerance nominal \varnothing	e8
Shank $\varnothing D_s$	16 mm
Overhang length L_1 incl. recess	58 mm
Shank	DIN 6535 HB to h6
No. of teeth Z	4
Cutting edge $\varnothing D_c$	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 $1 \times D$
Cutting width a_e for milling operation	$0.03 \times D$ for copy milling
Cutting width a_e for milling operation	$0.1 \times D$
Through-coolant	no
Machining strategy	HPC
Machining strategy	TPC
Colour ring	blue
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
	SZ2025 16

Shank clamping flats for shrink-fit chucks, with retainer
function Shank \varnothing tool 16 mm
