


GARANT INOX solid carbide milling cutter HPC, AlTiN, Ø e8 DC: 16mm

Order data

Order number	202950 16
GTIN	4069515039468
Item class	11Z

Description
Version:

Milling cutter with **optimised geometry** and modern **high-performance coating** for optimum metal removal rate in various **stainless steels**. Can also be used in **duplex materials**.

Dimensions similar to DIN 6527.

Note:

Successor product to 202986.

Technical description

Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$	0.08 mm
Tolerance nominal Ø	e8
Recess Ø D_1	15.5 mm
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.07 mm
Helix angle	40 degrees
Corner rounding r_v	0.2 mm
Cutting edge Ø D_c	16 mm
Shank Ø D_s	16 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Overall length L	82 mm

Data sheet

Flute length L_c	22 mm
Shank form	HB
No. of teeth Z	4
Overhang length L_1 incl. recess	32 mm
Coating	AlTiN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
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 only under restricted conditions	240 m/min	P
Steel < 750 N/mm ²	suitable only under restricted conditions	220 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	200 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	180 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	150 m/min	P
TOOLOX 33	suitable only under restricted conditions	115 m/min	H

Data sheet

TOOLOX 44	suitable only under restricted conditions	80 m/min	H
INOX < 900 N/mm ²	suitable	100 m/min	M
INOX > 900 N/mm ²	suitable	90 m/min	M
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		
Air	suitable		