

Garant

GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 16 mm



Order data

Order number	202389 16
GTIN	4045197875358
Item class	11X

Description

Version:

For roughing and finishing

HPC milling cutters with **newly developed high-performance coating** for **outstanding service life** and **optimum metal removal rates** in a wide range of stainless steels.

Greater oxidation resistance and **high-temperature hardness.**

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Tolerance nominal Ø: h10

No. of teeth Z: 3

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

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

Recess Ø D_1	15.5 mm
Corner chamfer width at 45°	0.2 mm
Shank Ø D_s	16 mm
Cutting edge Ø D_c	16 mm

No. of teeth Z	3
Feed f_z for side milling in INOX > 900 N/mm ²	0.096 mm
Overhang length L_1 incl. recess	58 mm
Overall length L	108 mm
Flute length L_c	48 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal \varnothing	h10
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.08 mm
Helix angle	40 degrees
Corner chamfer angle	45 degrees
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	$0.3 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

Services

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

SZ2025 16

