

Garant
GARANT Master INOX solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 12 mm

Order data

Order number	207474 12
GTIN	4062406130503
Item class	11X

Description
Version:

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: Radius contour = **±0.005 mm**.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length L_c : 16 mm

Overall length L: 100 mm

Shank Ø D_s : 12 mm

Feed f_z for side milling in INOX < 900 N/mm²: 0.045 mm

Feed f_z for copy milling in stainless steel < 900 N/mm²: 0.051 mm

Technical description

Feed f_z for copy milling in stainless steel < 900 N/mm ²	0.051 mm
Feed f_z for side milling in INOX < 900 N/mm ²	0.045 mm
Flute length L_c	16 mm
Shank Ø D_s	12 mm
Cutting edge Ø D_c	12 mm

Overall length L	100 mm
Helix angle	45 degrees
No. of teeth Z	4
Radius R	6 mm
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Shank	DIN 6535 HA to h6
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 Ø tool 12 mm	SZ2025 12
Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB