

**Garant**
**GARANT Master INOX solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 16 mm**

**Order data**

Order number	207473 16
GTIN	4062406130374
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 =  $\pm 0.005$  mm.

No. of teeth Z: 4

Helix angle: 45 degrees

No. of teeth Z: 4

Flute length  $L_c$ : 20 mm

Overall length L: 82 mm

Shank  $\varnothing D_s$ : 16 mm

Feed  $f_z$  for side milling in INOX < 900 N/mm<sup>2</sup>: 0.06 mm

Feed  $f_z$  for copy milling in stainless steel < 900 N/mm<sup>2</sup>: 0.068 mm

**Technical description**

Feed $f_z$ for copy milling in stainless steel < 900 N/mm <sup>2</sup>	0.068 mm
Feed $f_z$ for side milling in INOX < 900 N/mm <sup>2</sup>	0.06 mm
Helix angle	45 degrees
Flute length $L_c$	20 mm
Overall length L	82 mm

Shank $\varnothing D_s$	16 mm
Cutting edge $\varnothing D_c$	16 mm
No. of teeth Z	4
Radius R	8 mm
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Cutting width $a_e$ for milling operation	0.05xD for side milling
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 $\varnothing$ tool 16 mm	SZ2025 16
Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB