Garant

GARANT Master INOX solid carbide ball nose milling cutter HPC, TiAlN, ∅ f8 DC / DS: 16mm

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 = **±0.005 mm.**

Technical description

Feed f_z for copy milling in stainless steel < 900 N/mm^2	0.068 mm
Feed f_z for side milling in INOX < 900 N/mm^2	0.06 mm
Helix angle	45 degrees
Flute length L_c	20 mm
Overall length L	82 mm
Shank ∅ D_s	16 mm
Cutting edge ∅ D_C	16 mm
No. of teeth Z	4
Radius R	8 mm
Series	Master INOX

Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal ∅	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.05×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	Ball-nosed slot drill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	250 m/min	P
Steel < 750 N/mm²	suitable	230 m/min	P
Steel < 900 N/mm²	suitable	200 m/min	P
Steel < 1100 N/mm²	suitable	180 m/min	P
Steel < 1400 N/mm²	suitable	170 m/min	P
TOOLOX 33	suitable	115 m/min	H
TOOLOX 44	suitable	80 m/min	H
INOX < 900 N/mm²	suitable	110 m/min	M
INOX > 900 N/mm²	suitable	90 m/min	M
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable		

dry	suitable only under restricted conditions
Air	suitable

Services

Shank grinding Type HB	129100 HB