ᏥᎾ Hoffmann Group

Garant

GARANT Master INOX solid carbide milling cutter HPC, TiAlN, Ø h10 DC: 20 mm

Order data

Order number	202998 20
GTIN	4045197860996
Item class	11X

Description

Version:
For **roughing and finishing**.
HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels. **Greater oxidation resistance** and **high-temperature hardness**.
Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.
Advantage:
Particularly low vibration running.
Tolerance nominal Ø: h10
No. of teeth Z: 4
Helix angle: 40 degrees
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length L_c: 26 mm
Overall length L: 92 mm
Shank Ø D_s: 20 mm
Corner chamfer width at 45°: 0.35 mm
Feed f_z for slot milling in stainless steel > 900 N/mm^2: 0.07 mm

Technical description

Tolerance nominal Ø	h10
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical

Feed f_z for slot milling in stainless steel > 900 N/mm^2	0.07 mm
Feed f_z for side milling in INOX > 900 N/mm^2	0.08 mm
No. of teeth Z	4
Overall length L	92 mm
Flute length L_c	26 mm
Corner chamfer width at 45°	0.35 mm
Shank Ø D_s	20 mm
Cutting edge Ø D_c	20 mm
Helix angle	40 degrees
Corner chamfer angle	45 degrees
Series	GARANT Master INOX
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
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×D
Cutting width a_e for milling operation	0.3×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 Ø tool 20 mm	SZ2025 20