

Garant

GARANT Master Titan solid carbide finishing cutter HPC, uncoated, Ø e8 DC: 10mm



Order data

Order number	203632 10
GTIN	4045197991591
Item class	11Z

Description

Version:

For **finishing operations**.

Special geometry for optimum chip evacuation.

Unequal spacing gives high **intrinsic stability and smooth cutting action**.

For **profile milling as a finishing operation** in **titanium and titanium alloys**.

Advantage:

Suitable for medical technology and approved for foodstuffs.

Tolerance nominal Ø: e8

No. of teeth Z: 7

Helix angle: 40 °

Direction of infeed: horizontal

Shank: DIN 6535 HA to h6

No. of teeth Z: 7

Flute length L_c : 22 mm

Overall length L: 72 mm

Shank Ø D_s : 10 mm

Corner rounding r_v : 0.05 mm

Feed f_z for side milling in titanium > 850 N/mm²: 0.038 mm

Technical description

No. of teeth Z	7
Flute length L_c	22 mm
Tolerance nominal Ø	e8

Overall length L	72 mm
Direction of infeed	horizontal
Helix angle	40 °
Shank	DIN 6535 HA to h6
Shank $\varnothing D_s$	10 mm
Cutting edge $\varnothing D_c$	10 mm
Feed f_z for side milling in titanium > 850 N/mm ²	0.038 mm
Corner rounding r_v	0.05 mm
Series	Master Titan
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	0.1×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	pink
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable only under restricted conditions	130 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	100 m/min	N
Alu > 10% Si	suitable only under restricted conditions	85 m/min	N
Ti > 850 N/mm ²	suitable	60 m/min	S
wet maximum	suitable		

Services

Shank grinding Type HB

129100 HB