

## 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.

#### Technical description

No. of teeth Z	7
Flute length L <sub>c</sub>	22 mm
Tolerance nominal Ø	e8
Overall length L	72 mm
Direction of infeed	horizontal
Helix angle	40 degrees
Shank	DIN 6535 HA to h6
Shank Ø D <sub>s</sub>	10 mm
Cutting edge Ø D <sub>c</sub>	10 mm
Feed f <sub>z</sub> for side milling in titanium > 850 N/mm <sup>2</sup>	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	$0.1 \times D$ 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 <sup>2</sup>	suitable	60 m/min	S
wet maximum	suitable		

## Services

Shank grinding Type HB	129100 HB
------------------------	-----------