

Garant

GARANT Master Titan solid carbide finishing cutter HPC, uncoated, Ø e8 DC: 20mm



Order data

Order number	203632 20
GTIN	4045197991621
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_c	41 mm
Helix angle	40 degrees
Direction of infeed	horizontal
Tolerance nominal \varnothing	e8
Cutting edge $\varnothing D_c$	20 mm
Overall length L	104 mm
Shank $\varnothing D_s$	20 mm
Shank	DIN 6535 HA to h6
Feed f_z for side milling in titanium > 850 N/mm ²	0.045 mm

Corner rounding r_v	0.1 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 ²	suitable	60 m/min	S
wet maximum	suitable		

Services

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