

Garant
GARANT Master Titan solid carbide finishing cutter HPC, uncoated, Ø e8 DC: 12mm

Order data

Order number	203633 12
GTIN	4045197992048
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

Shank Ø D _s	12 mm
Direction of infeed	horizontal
No. of teeth Z	7
Flute length L _c	36 mm
Cutting edge Ø D _c	12 mm
Helix angle	40 degrees
Tolerance nominal Ø	e8
Overall length L	93 mm
Shank	DIN 6535 HA to h6
Feed f _z for side milling in titanium > 850 N/mm ²	0.04 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	$0.07 \times D$ 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
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