

Garant**Solid carbide torus cutter, uncoated, Ø e8 DC / R1: 20/5,0mm**

Order data

Order number	206040 20/5,0
GTIN	4062406087487
Item class	11X

Description

Version:With **double relief ground side clearance angle and corner radius.****High strength** due to **strengthened core.**Tolerance: **R₁ = ±0.01 mm.**

Technical description

Feed f_z for copy milling in short-chipping aluminium	0.15 mm
Shank Ø D _s	20 mm
Overhang length L ₁ incl. recess	54 mm
No. of teeth Z	2
Recess Ø D ₁	19 mm
Corner radius R ₁	5 mm
Helix angle	30 degrees
Overall length L	104 mm
Cutting edge Ø D _c	20 mm
Feed f_z for side milling in short-chipping aluminium	0.12 mm
Shank	DIN 6535 HA to h6
Flute length L _c	20 mm
Coating	uncoated

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	0.05×D for copy milling
Through-coolant	no
Shank tolerance	h6
Colour ring	yellow
Type of product	Torus cutter

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable	105 m/min	N
PMMA acrylic	Suitable	180 m/min	N
PE-HD	Suitable	130 m/min	N
PA 66	Suitable	150 m/min	N
PEEK	Suitable	130 m/min	N
PF 31	Suitable	110 m/min	N
Cu	Suitable	80 m/min	N
CuZn	Suitable	100 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		

Air	suitable only under restricted conditions
Services	
Shank grinding Type HB	129100 HB