

## Solid carbide HPC torus milling cutter with internal cooling

4 blades, uncoated

**ATORN®**



### Application

HPC torus milling cutter with uneven pitch for roughing and finishing of non-ferrous metals with maximum machining performance.

### Version

- Solid carbide ultra-fine grain
- Straight shank in line with DIN 6535 HA
- With chip breaker on the end
- Defined edge rounding of the cutting edge
- centre cutting
- Radius tolerance = +/- 0.01 mm
- Clearance
- Polish sanding
- Internal cooling

### Advantage

- Chip breakers on the end ensure short chips for long-chipping materials
- High material removal rate
- Uneven pitch and twist reduces vibrations
- High-gloss polished cutting edges for better chip removal
- Ideal for NF metals and plastics

Application	Steel (N/mm <sup>2</sup> )			Stainless steel		Alu		Brass		Bronze		Plas-tics	Graphite G(C)FK	GG(G) GJMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.		
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55 HRC	<65 HRC	
						680	850	220	270	220	270									

<b>Art. No.</b>	<b>16655 480</b>
<b>Cutting material</b>	VHM
<b>Surface</b>	Uncoated
<b>Type</b>	W
<b>Number of cutting edges</b>	4 PCS
<b>Twist angle</b>	38°, 41°
<b>Tool holding device</b>	HA parallel shank
<b>Overall length</b>	Normal
<b>Cutting edge diameter</b>	20 mm
<b>Cutting edge length</b>	38 mm
<b>Clearance length</b>	52 mm
<b>Length</b>	104 mm
<b>Clearance diameter</b>	19 mm
<b>Shaft diameter</b>	20 mm
<b>Edge radius</b>	3 mm
<b>fz aluminium</b>	0.231 mm

### EAN-Code

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