

## SC HPC torus milling cutter

4 cutters, ULTRA MS-coated

**ATORN®**



### Application

HPC torus milling cutter with an unequal twist and unequal pitch for smoothing and rough machining stainless steels and titanium, Ni and Co alloys. The unequal twist angle prevents vibration on the tool, thereby ensuring excellent finishing surfaces as well as higher feed rates and greater cutting depths.

### Version

- Ultra-fine grain cemented carbide
- HB straight shank
- With clearance
- ULTRA MS high-performance coating
- Defined cutting edge rounding
- Centre cutting

### Advantage

- Rough machining and smoothing with a single tool
- Ideal for trochoidal milling
- HPC geometry for optimum feed rates and running smoothness
- Suitable for large cutting depths

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
	140	130		70	60										70	60	70		

<b>Art. no.</b>	<b>16672 178</b>
<b>Cutting material</b>	VHM
<b>Surface</b>	ULTRA MS
<b>Type</b>	VA
<b>Number of cutting edges</b>	4 PCS
<b>Twist angle</b>	35°, 38°
<b>Tool holding device</b>	HB parallel shank
<b>Overall length</b>	Normal
<b>Cutting edge diameter</b>	12 mm
<b>Cutting edge length</b>	26 mm
<b>Clearance length</b>	37 mm
<b>Length</b>	83 mm
<b>Clearance diameter</b>	11 mm
<b>Shaft diameter</b>	12 mm
<b>Edge radius</b>	1 mm
<b>fz stainless steel</b>	0.045 mm

### EAN-Code

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