

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 ²)			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									

Art. No.	16655 490
Cutting material	VHM
Surface	Uncoated
Type	W
Number of cutting edges	4 PCS
Twist angle	38°, 41°
Tool holding device	HA parallel shank
Overall length	Normal
Cutting edge diameter	20 mm
Cutting edge length	38 mm
Clearance length	52 mm
Length	104 mm
Clearance diameter	19 mm
Shaft diameter	20 mm
Edge radius	4 mm
fz aluminium	0.231 mm

EAN-Code

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