

## Solid carbide end mill

3-cutter, ULTRA N PRO-coated

**ATORN®**



### Application

Long HPC end mill with variable pitch for roughing and finishing non-ferrous metals with maximum results.

### Version

- Solid carbide ultra-fine grain
- straight shank in line with DIN 6535 HB
- ULTRA-N PRO-coated
- with edge protection chamfer
- Defined edge rounding of the cutting edge
- centre cutting
- with clearance
- Polish sanding

### Advantage

- Ultra-smooth coating thickness
- Excellent chip removal
- defined edge rounding for maximum service life
- Large chip area for optimum chip flow
- 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
						180	380	170	225	160	190	315							

<b>Art. No.</b>	<b>16665 421</b>
<b>Cutting material</b>	VHM
<b>Surface</b>	ULTRA N PRO
<b>Type</b>	W
<b>Number of cutting edges</b>	3 PCS
<b>Twist angle</b>	45°
<b>Tool holding device</b>	HB parallel shank
<b>Overall length</b>	Long
<b>Cutting edge diameter</b>	10 mm
<b>Cutting edge length</b>	16 mm
<b>Clearance length</b>	58 mm
<b>Length</b>	100 mm
<b>Edge protection chamfer length</b>	0.2 mm
<b>Clearance diameter</b>	9.7 mm
<b>Shaft diameter</b>	10 mm
<b>fz aluminium</b>	0.05 mm
<b>Overall stainless steel suitability</b>	3
<b>fitness not iron total</b>	1
<b>fitness Titan/Nickel/Super total</b>	3

### EAN-Code

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