

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 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
						180	380	170	225	160	190	315							

Art. no.	16665 435
Cutting material	VHM
Surface	ULTRA N PRO
Type	W
Number of cutting edges	3 PCS
Twist angle	45°
Tool holding device	HB parallel shank
Overall length	Long
Cutting edge diameter	20 mm
Cutting edge length	32 mm
Clearance length	100 mm
Length	150 mm
Edge protection chamfer length	0.2 mm
Clearance diameter	19.5 mm
Shaft diameter	20 mm
fz aluminium	0.11 mm
Overall stainless steel suitability	3
fitness not iron total	1
fitness Titan/Nickel/Super total	3

EAN-Code

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