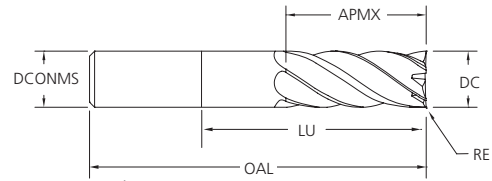


# TuffCut® XR7 - Series 180N



- 40% increase in productivity over a 5 flute tool.
- Designed specifically for Titanium, Inconel and similar materials.
- ALtima® Blaze coating for increased performance.

ALtima® Blaze		DC			DCONMS		OAL		APMX		LU		RE	
Tool No.	EDP	Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
18047203NB	18500		12.0	.4724		12.0		120		30		60		1.0
18047205NB	18502		12.0	.4724		12.0		120		30		60		2.0
18047207NB	18504		12.0	.4724		12.0		120		30		60		3.0
18047209NB	18506		12.0	.4724		12.0		120		30		60		4.0
18050024NB	18526	1/2		.5000	1/2		4		1-1/4		2-1/8		.030	
18062524NB	18546	5/8		.6250	5/8		4		1-1/4		2-1/8		.030	
18062903NB	18548		16.0	.6299		16.0		150		40		80		1.0
18062905NB	18550		16.0	.6299		16.0		150		40		80		2.0
18062907NB	18552		16.0	.6299		16.0		150		40		80		3.0
18062909NB	18554		16.0	.6299		16.0		150		40		80		4.0
18075024NB	18588	3/4		.7500	3/4		5		1-7/8		3		.030	
18078713NB	18590		20.0	.7874		20.0		150		50		100		1.0
18078715NB	18592		20.0	.7874		20.0		150		50		100		2.0
18078717NB	18594		20.0	.7874		20.0		150		50		100		3.0
18078719NB	18596		20.0	.7874		20.0		150		50		100		4.0
180100205NB	18614	1		1.0000	1		6		3		4		.045	

Inch	
DC	Tolerance
.5000-1.0000	+0/- .0025

Inch	
DCONMS	Tolerance (h6)
.5000-.7087	+0/- .00043
.7088-1.0000	+0/- .00051

Metric (mm)	
DC	Tolerance
12.00-20.00	+0/- .064

Metric (mm)	
DCONMS	Tolerance (h6)
12.00-18.00	+0/- .011
18.01-20.00	+0/- .013

Inch	
RE	Tolerance
1/4 - 1	+ .001/- .001

Metric (mm)	
RE	Tolerance
6.0 - 20.0	+ .025/- .025



TuffCut® End Mills  
Series 180N