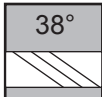


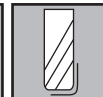
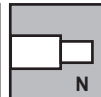
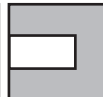
7
Flute

TuffCut® XR7 Series 180N

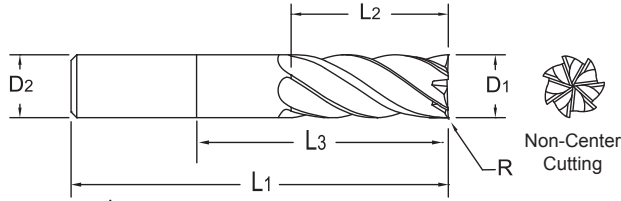
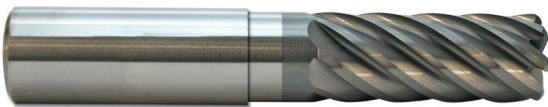
Z7



ALtima® Blaze



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		Diameter			Shank		OAL		Flute Length		Neck Length		Corner Radius	
		D1			D2 (h6)		L1		L2		L3		R	
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	
D1	Tolerance
.5000-1.0000	+0/- .0025

Metric (mm)	
D1	Tolerance
12.00-20.00	+0/- .064

Inch	
D2	Tolerance (h6)
.5000-.7087	+0/- .00043
.7088-1.0000	+0/- .00051

Metric (mm)	
D2	Tolerance (h6)
12.00-18.00	+0/- .011
18.01-20.00	+0/- .013

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

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