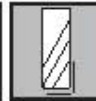
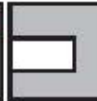
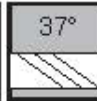


# TuffCut® XT9 Series 380

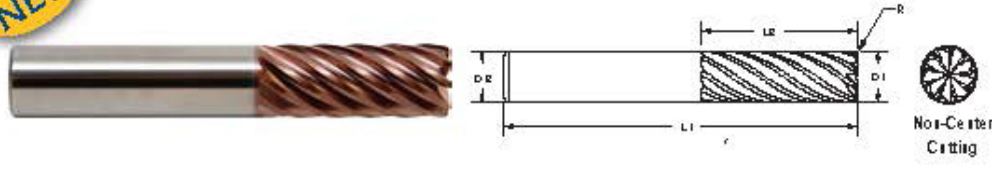
Z9



9 Flute

- Designed for high speed machining of Titanium, Inconel, and similar materials.
- New Altima® Xtreme (AX) coating designed for high speed machining and dry machining.
- Uneven number of flutes reduces harmonics to provide stable machining zones.

**NEW**



Altima® Xtreme Coating Properties	
Microhardness (HV)	3800
Max. Service Temp.	1100° C / 2012° F
Friction Coefficient	0.3 - 0.5
Designation	AX
Color	Copper

Altima® Xtreme		Diameter			Shank		OAL		Flute Length		Corner Radius	
		D1			D2 (h6)		L1		L2		R	
Tool No.	EDP	Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	Inch	mm
380M0800-0.5RAX	38042		8	.3150		8.0		63		22		0.50
380M0800-1.0RAX	38044		8	.3150		8.0		63		22		1.00
38037511AX	18973	3/8		.3750	3/8		2-1/2		1		.010	
38037512AX	38038	3/8		.3750	3/8		2-1/2		1		.015	
38037513AX	18974	3/8		.3750	3/8		2-1/2		1		.020	
38037514AX	38040	3/8		.3750	3/8		2-1/2		1		.030	
380M1000-0.5RAX	38046		10	.3937		10.0		72		27		0.50
380M1000-1.0RAX	38048		10	.3937		10.0		72		27		1.00
380M1200-0.5RAX	38026		12	.4724		12.0		84		32		0.50
380M1200-1.0RAX	38028		12	.4724		12.0		84		32		1.00
38050011AX	18975	1/2		.5000	1/2		3		1-1/4		.010	
38050012AX	38000	1/2		.5000	1/2		3		1-1/4		.015	
38050013AX	18976	1/2		.5000	1/2		3		1-1/4		.020	
38050014AX	38002	1/2		.5000	1/2		3		1-1/4		.030	
38050016AX	38004	1/2		.5000	1/2		3		1-1/4		.060	
380L5004AX	38006	1/2		.5000	1/2		3-1/2		1-3/4		.030	
38062512AX	38008	5/8		.6250	5/8		3-1/2		1-1/4		.015	
38062514AX	38010	5/8		.6250	5/8		3-1/2		1-1/4		.030	
38062516AX	38012	5/8		.6250	5/8		3-1/2		1-1/4		.060	
380L6254AX	38014	5/8		.6250	5/8		4		1-7/8		.030	
380M1600-0.5RAX	38030		16	.6299		16.0		92		42		0.50
380M1600-1.0RAX	38032		16	.6299		16.0		92		42		1.00
38075012AX	38016	3/4		.7500	3/4		4		1-1/2		.015	
38075014AX	38018	3/4		.7500	3/4		4		1-1/2		.030	
38075016AX	38020	3/4		.7500	3/4		4		1-1/2		.060	
38075018AX	38022	3/4		.7500	3/4		4		1-1/2		.120	
380L7504AX	38024	3/4		.7500	3/4		5		2-1/4		.030	
380M2000-0.5RAX	38034		20	.7874		20.0		104		52		0.50
380M2000-1.0RAX	38036		20	.7874		20.0		104		52		1.00

Inch	
D1	Tolerance
.3750 - .3937	+0/- .0020
> .3937 - .7874	+0/- .0025

mm	
D1	Tolerance
8.0 - 10.0	+0/- .050
>10.0 - 20.0	+0/- .064

Inch	
D2	Tolerance (h6)
.3750 - .3937	+0/- .00035
.3938 - .7087	+0/- .00043
.7088 - .7874	+0/- .00051

mm	
D2	Tolerance (h6)
8.0 - 10.0	+0/- .009
>10.0 - 18.0	+0/- .011
>18.0 - 20.0	+0/- .013



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HIGH PERFORMANCE