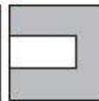
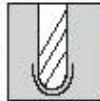
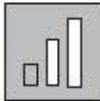
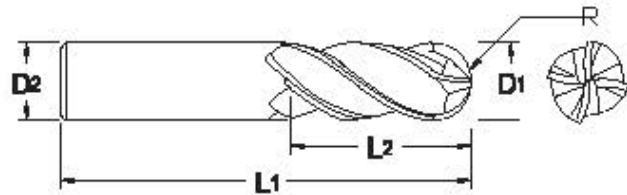


# TuffCut® XR Series 179

Z4



4  
Flute  
Ball



• Variable helix.

ALTi maX		Diameter			Shank		OAL		Flute Length	
		D1			D2 (h6)		L1		L2	
Tool No.	EDP	Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
17905900A	18272		1.5	.0591		3		38		3.0
17906250A	18284	1/16		.0625	1/8		1-1/2		1.8	
17907810A	18286	5/64		.0781	1/8		1-1/2		5/32	
17907870A	18274		2	.0787		3		38		4.0
17909370A	18288	3/32		.0937	1/8		1-1/2		3/16	
17909840A	18276		2.5	.0984		3		38		5.0
17911800A	18018		3	.1181		6		57		8.0
17911803A	18278		3	.1181		3		38		6.0
17912500A	18034	1/8		.1250	1/8		1-1/2		1.4	
17912510A	18035	1/8		.1250	1/8		1-1/2		3.8	
17913700A	18280		3.5	.1378		6		63		7.0
17915700A	18019		4	.1575		6		57		11.0
17917700A	18282		4.5	.1772		6		63		9.0
17918700A	18038	3/16		.1875	3/16		2		3.8	
17918710A	18039	3/16		.1875	3/16		2		5.8	
17919600A	18020		5	.1968		6		57		13.0
17923600A	18021		6	.2362		6		57		13.0
17925000A	18042	1/4		.2500	1/4		2		3.8	
17925010A	18043	1/4		.2500	1/4		2-1/2		3.4	
17925020A	18063	1/4		.2500	1/4		4		1.2	
17931200A	18045	5/16		.3125	5/16		2		1.2	
17931210A	18046	5/16		.3125	5/16		2-1/2		13/16	
17931500A	18022		8	.3150		8		63		19.0
17937500A	18048	3/8		.3750	3/8		2		1.2	
17937510A	18049	3/8		.3750	3/8		2-1/2		7.8	
17937520A	18064	3/8		.3750	3/8		4		9/16	
17939300A	18023		10	.3937		10		72		22.0
17947200A	18024		12	.4724		12		83		26.0
17950000A	18054	1/2		.5000	1/2		2-1/2		5.8	
17950010A	18055	1/2		.5000	1/2		3		1-1/4	
17950020A	18065	1/2		.5000	1/2		5		5.8	
17962510A	18058	5/8		.6250	5/8		3-1/2		1-1/4	
17962520A	18066	5/8		.6250	5/8		6		3/4	
17962900A	18059		16	.6299		16		92		32.0
17975010A	18060	3/4		.7500	3/4		4		1-1/2	
17975020A	18067	3/4		.7500	3/4		6		1	
17910010A	18062	1		1.0000	1		4		1-1/2	
17910020A	18068	1		1.0000	1		6		1-1/4	

Inch	
D1	Tolerance
1/16 - 1/4	+0.000/-0.002
> 1/4 - 1.0	+0.000/-0.003

Metric (mm)	
D1	Tolerance (h10)
1.50 - 3.00	+0.000/-0.040
>3.00 - 6.00	+0.000/-0.048
>6.00 - 10.00	+0.000/-0.058
>10.00 - 16.00	+0.000/-0.070

Inch	
D2	Tolerance (h6)
.1182 - .2362	+0/-0.00031
.2363 - .3937	+0/-0.00035
.3938 - .7087	+0/-0.00043
.7088 - 1.000	+0/-0.00051

Metric (mm)	
D2	Tolerance (h6)
3.0	+0/-0.006
3.01 - 6.0	+0/-0.008
6.01 - 10.0	+0/-0.009
10.01 - 16.0	+0/-0.011

Inch	
R	Tolerance
1/16 - 1	+0/-0.001

Metric (mm)	
R	Tolerance
1.5 - 16.0	+0/-0.025



Page 336

178N / 179  
TuffCut® XR

HIGH PERFORMANCE