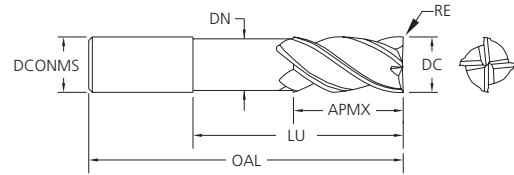


TuffCut® XR - Series 177L



- Variable helix.



ALtima®		DC (h10)		DCONMS	DN	OAL	APMX	LU	RE
Tool No.	EDP	mm	Decimal	mm	mm	mm	mm	mm	Inch
177L2360R010N5A	18186	6	.2362	6	5.8	101	12	31	0.25
177L2360R020N5A	18183	6	.2362	6	5.8	101	12	31	0.5
177L2360R039N5A	18184	6	.2362	6	5.8	101	12	31	1.0
177L3150R020N5A	18187	8	.3150	8	7.6	101	16	41	0.5
177L3150R039N5A	18194	8	.3150	8	7.6	101	16	41	1.0
177L3150R078N5A	18195	8	.3150	8	7.6	101	16	41	2.0
177L3150R118N5A	18196	8	.3150	8	7.6	101	16	41	3.0
177L3930R020N5A	18188	10	.3937	10	9.6	127	20	51	0.5
177L3930R039N5A	18197	10	.3937	10	9.6	127	20	51	1.0
177L3930R078N5A	18198	10	.3937	10	9.6	127	20	51	2.0
177L3930R118N5A	18199	10	.3937	10	9.6	127	20	51	3.0
177L4720R020N5A	18189	12	.4724	12	11.4	150	24	62	0.5
177L4720R039N5A	18176	12	.4724	12	11.4	150	24	62	1.0
177L4720R078N5A	18177	12	.4724	12	11.4	150	24	62	2.0
177L4720R118N5A	18190	12	.4724	12	11.4	150	24	62	3.0
177L4720R157N5A	18178	12	.4724	12	11.4	150	24	62	4.0
177L6290R020N5A	18181	16	.6299	16	15.2	150	32	82	0.5
177L6290R039N5A	18191	16	.6299	16	15.2	150	32	82	1.0
177L6290R078N5A	18179	16	.6299	16	15.2	150	32	82	2.0
177L6290R118N5A	18180	16	.6299	16	15.2	150	32	82	3.0
177L7870R020N5A	18182	20	.7874	20	19.2	150	40	102	0.5
177L7870R039N5A	18192	20	.7874	20	19.2	150	40	102	1.0
177L7870R118N5A	18193	20	.7874	20	19.2	150	40	102	3.0

TuffCut® End Mills
Series 177L

Inch size available upon request.

Metric (mm)	
DC	Tolerance (h10)
6.00	+0.00/-0.048
>6.00 - 10.00	+0.00/-0.058
>10.00 - 18.00	+0.00/-0.070
>18.00 - 20.00	+0.00/-0.084

Metric (mm)	
DCONMS	Tolerance (h6)
6.0	+0/-0.008
6.01 - 10.0	+0/-0.009
10.01 - 18.0	+0/-0.011
18.01 - 20.0	+0/-0.013

Metric (mm)	
RE	Tolerance
6.0 - 20.0	+0.00/-0.10

