

8 Sided

SIDES = 8		ANGLE = 22.5										Board Length	
Outside Diameter	Seg. Len.	Board Width for Desired Wall Thickness										Blade Kerf	
		1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	0.100	0.125
1	0.414	0.269	0.500	-	-	-	-	-	-	-	-	4.114	4.314
1 1/2	0.621	0.288	0.519	0.750	-	-	-	-	-	-	-	5.771	5.971
2	0.828	0.307	0.538	0.769	1.000	-	-	-	-	-	-	7.427	7.627
2 1/2	1.036	0.326	0.557	0.788	1.019	1.250	-	-	-	-	-	9.084	9.284
3	1.243	0.345	0.576	0.807	1.038	1.269	1.500	-	-	-	-	10.741	10.941
3 1/2	1.450	0.364	0.595	0.826	1.057	1.288	1.519	1.750	-	-	-	12.398	12.598
4	1.657	0.383	0.614	0.845	1.076	1.307	1.538	1.769	2.000	-	-	14.055	14.255
4 1/2	1.864	0.402	0.633	0.864	1.095	1.326	1.557	1.788	2.019	2.250	-	15.712	15.912
5	2.071	0.421	0.652	0.883	1.114	1.345	1.576	1.807	2.038	2.269	2.500	17.369	17.569
5 1/2	2.278	0.440	0.671	0.902	1.133	1.364	1.595	1.826	2.057	2.288	2.519	19.025	19.225
6	2.485	0.459	0.690	0.921	1.152	1.383	1.614	1.845	2.076	2.307	2.538	20.682	20.882
6 1/2	2.692	0.478	0.709	0.940	1.171	1.402	1.633	1.864	2.095	2.326	2.557	22.339	22.539
7	2.899	0.497	0.728	0.959	1.190	1.421	1.652	1.883	2.114	2.345	2.576	23.996	24.196
7 1/2	3.107	0.516	0.747	0.978	1.209	1.440	1.671	1.902	2.133	2.364	2.595	25.653	25.853
8	3.314	0.535	0.766	0.997	1.228	1.459	1.690	1.921	2.152	2.383	2.614	27.310	27.510
8 1/2	3.521	0.554	0.785	1.016	1.247	1.478	1.709	1.940	2.171	2.402	2.633	28.967	29.167
9	3.728	0.574	0.804	1.035	1.266	1.497	1.728	1.959	2.190	2.421	2.652	30.623	30.823
9 1/2	3.935	0.593	0.824	1.054	1.285	1.516	1.747	1.978	2.209	2.440	2.671	32.280	32.480
10	4.142	0.612	0.843	1.074	1.304	1.535	1.766	1.997	2.228	2.459	2.690	33.937	34.137
10 1/2	4.349	0.631	0.862	1.093	1.324	1.554	1.785	2.016	2.247	2.478	2.709	35.594	35.794
11	4.556	0.650	0.881	1.112	1.343	1.574	1.804	2.035	2.266	2.497	2.728	37.251	37.451
11 1/2	4.763	0.669	0.900	1.131	1.362	1.593	1.824	2.054	2.285	2.516	2.747	38.908	39.108
12	4.971	0.688	0.919	1.150	1.381	1.612	1.843	2.074	2.304	2.535	2.766	40.565	40.765
12 1/2	5.178	0.707	0.938	1.169	1.400	1.631	1.862	2.093	2.324	2.554	2.785	42.221	42.421
13	5.385	0.726	0.957	1.188	1.419	1.650	1.881	2.112	2.343	2.574	2.804	43.878	44.078
13 1/2	5.592	0.745	0.976	1.207	1.438	1.669	1.900	2.131	2.362	2.593	2.824	45.535	45.735
14	5.799	0.764	0.995	1.226	1.457	1.688	1.919	2.150	2.381	2.612	2.843	47.192	47.392
14 1/2	6.006	0.783	1.014	1.245	1.476	1.707	1.938	2.169	2.400	2.631	2.862	48.849	49.049
15	6.213	0.802	1.033	1.264	1.495	1.726	1.957	2.188	2.419	2.650	2.881	50.506	50.706
15 1/2	6.420	0.821	1.052	1.283	1.514	1.745	1.976	2.207	2.438	2.669	2.900	52.162	52.362
16	6.627	0.840	1.071	1.302	1.533	1.764	1.995	2.226	2.457	2.688	2.919	53.819	54.019
16 1/2	6.835	0.859	1.090	1.321	1.552	1.783	2.014	2.245	2.476	2.707	2.938	55.476	55.676
17	7.042	0.878	1.109	1.340	1.571	1.802	2.033	2.264	2.495	2.726	2.957	57.133	57.333
17 1/2	7.249	0.897	1.128	1.359	1.590	1.821	2.052	2.283	2.514	2.745	2.976	58.790	58.990
18	7.456	0.916	1.147	1.378	1.609	1.840	2.071	2.302	2.533	2.764	2.995	60.447	60.647
18 1/2	7.663	0.935	1.166	1.397	1.628	1.859	2.090	2.321	2.552	2.783	3.014	62.104	62.304
19	7.870	0.954	1.185	1.416	1.647	1.878	2.109	2.340	2.571	2.802	3.033	63.760	63.960
19 1/2	8.077	0.973	1.204	1.435	1.666	1.897	2.128	2.359	2.590	2.821	3.052	65.417	65.617
20	8.284	0.992	1.223	1.454	1.685	1.916	2.147	2.378	2.609	2.840	3.071	67.074	67.274
20 1/2	8.491	1.011	1.242	1.473	1.704	1.935	2.166	2.397	2.628	2.859	3.090	68.731	68.931
21	8.698	1.030	1.261	1.492	1.723	1.954	2.185	2.416	2.647	2.878	3.109	70.388	70.588
21 1/2	8.906	1.049	1.280	1.511	1.742	1.973	2.204	2.435	2.666	2.897	3.128	72.045	72.245
22	9.113	1.068	1.299	1.530	1.761	1.992	2.223	2.454	2.685	2.916	3.147	73.702	73.902
22 1/2	9.320	1.087	1.318	1.549	1.780	2.011	2.242	2.473	2.704	2.935	3.166	75.358	75.558
23	9.527	1.106	1.337	1.568	1.799	2.030	2.261	2.492	2.723	2.954	3.185	77.015	77.215
23 1/2	9.734	1.125	1.356	1.587	1.818	2.049	2.280	2.511	2.742	2.973	3.204	78.672	78.872
24	9.941	1.144	1.375	1.606	1.837	2.068	2.299	2.530	2.761	2.992	3.223	80.329	80.529
24 1/2	10.148	1.163	1.394	1.625	1.856	2.087	2.318	2.549	2.780	3.011	3.242	81.986	82.186
25	10.355	1.182	1.413	1.644	1.875	2.106	2.337	2.568	2.799	3.030	3.261	83.643	83.843

1/16	0.0625	1/4	0.2500	7/16	0.4375	5/8	0.6250	13/16	0.8125
3/32	0.0938	9/32	0.2813	15/32	0.4688	21/32	0.6563	27/32	0.8438
1/8	0.1250	5/16	0.3125	1/2	0.5000	11/16	0.6875	7/8	0.8750
5/32	0.1563	11/32	0.3438	17/32	0.5313	23/32	0.7188	29/32	0.9063
3/16	0.1875	3/8	0.3750	9/16	0.5625	3/4	0.7500	15/16	0.9375
7/32	0.2188	13/32	0.4063	19/32	0.5938	25/32	0.7813	31/32	0.9688