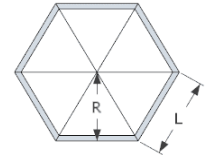
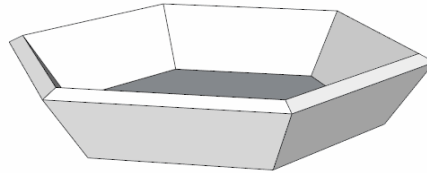


Tapered polygon miter cut table

Use this table to determine the miter saw miter and tilt angle for making tapered regular polygons.

For more, see <http://woodgears.ca/miter>



Number of sides --> Flat miter angle	3 60 deg		4 45 deg		5 36 deg		6 30 deg		8 22.5 deg		10 18 deg		12 15 deg	
L/R	3.4641		2		1.45309		1.1547		0.82843		0.64984		0.5359	
Side outward tilt from vertical	Miter	Tilt	Miter	Tilt	Miter	Tilt	Miter	Tilt	Miter	Tilt	Miter	Tilt	Miter	Tilt
0	0.00	60.00	0.00	45.00	0.00	36.00	0.00	30.00	0.00	22.50	0.00	18.00	0.00	15.00
2	3.46	59.94	2.00	44.97	1.45	35.97	1.15	29.98	0.83	22.49	0.65	17.99	0.54	14.99
4	6.89	59.76	3.99	44.86	2.90	35.90	2.31	29.92	1.66	22.44	1.30	17.95	1.07	14.96
5	8.58	59.62	4.98	44.78	3.62	35.84	2.88	29.87	2.07	22.41	1.62	17.93	1.34	14.94
6	10.26	59.46	5.97	44.69	4.34	35.77	3.45	29.82	2.48	22.37	1.95	17.90	1.60	14.92
8	13.55	59.05	7.92	44.45	5.77	35.60	4.59	29.68	3.30	22.27	2.59	17.82	2.14	14.85
10	16.74	58.53	9.85	44.14	7.19	35.37	5.73	29.50	4.11	22.14	3.23	17.72	2.66	14.77
12	19.80	57.90	11.75	43.76	8.59	35.10	6.84	29.28	4.92	21.98	3.86	17.59	3.19	14.66
14	22.73	57.17	13.60	43.32	9.97	34.77	7.95	29.02	5.72	21.80	4.49	17.45	3.71	14.54
15	24.15	56.77	14.51	43.08	10.65	34.59	8.50	28.88	6.12	21.69	4.81	17.37	3.97	14.48
16	25.52	56.35	15.41	42.82	11.32	34.40	9.04	28.73	6.51	21.58	5.12	17.28	4.22	14.41
18	28.16	55.45	17.17	42.26	12.65	33.99	10.12	28.39	7.29	21.34	5.73	17.09	4.73	14.25
20	30.64	54.47	18.88	41.64	13.95	33.53	11.17	28.02	8.06	21.08	6.34	16.88	5.24	14.08
22	32.98	53.41	20.54	40.97	15.23	33.02	12.20	27.62	8.82	20.78	6.94	16.65	5.73	13.88
24	35.16	52.29	22.13	40.24	16.46	32.48	13.22	27.18	9.56	20.46	7.53	16.40	6.22	13.68
25	36.20	51.71	22.91	39.86	17.07	32.19	13.71	26.95	9.93	20.29	7.82	16.26	6.46	13.57
26	37.21	51.11	23.67	39.46	17.67	31.89	14.20	26.71	10.29	20.12	8.11	16.13	6.70	13.45
28	39.12	49.88	25.15	38.63	18.83	31.26	15.17	26.20	11.00	19.75	8.67	15.83	7.17	13.21
30	40.89	48.59	26.57	37.76	19.96	30.60	16.10	25.66	11.70	19.35	9.23	15.52	7.63	12.95
32	42.55	47.26	27.92	36.85	21.06	29.90	17.01	25.09	12.38	18.94	9.77	15.19	8.08	12.68
34	44.08	45.89	29.21	35.89	22.11	29.16	17.89	24.49	13.04	18.50	10.30	14.84	8.52	12.39
35	44.81	45.19	29.84	35.40	22.62	28.78	18.32	24.18	13.36	18.27	10.56	14.66	8.74	12.24
36	45.51	44.48	30.45	34.89	23.12	28.39	18.75	23.86	13.68	18.03	10.81	14.48	8.95	12.09
38	46.84	43.03	31.62	33.86	24.10	27.59	19.57	23.20	14.31	17.55	11.31	14.09	9.37	11.77
40	48.07	41.56	32.73	32.80	25.03	26.76	20.36	22.52	14.91	17.05	11.80	13.69	9.77	11.44
42	49.21	40.06	33.79	31.70	25.93	25.90	21.12	21.81	15.49	16.52	12.27	13.28	10.16	11.09
44	50.27	38.53	34.79	30.57	26.78	25.01	21.85	21.08	16.05	15.98	12.72	12.84	10.54	10.73
45	50.77	37.76	35.26	30.00	27.19	24.56	22.21	20.70	16.32	15.70	12.94	12.62	10.73	10.55
46	51.25	36.98	35.73	29.42	27.59	24.10	22.55	20.32	16.59	15.42	13.16	12.40	10.91	10.36
48	52.16	35.41	36.62	28.24	28.37	23.16	23.22	19.55	17.11	14.84	13.57	11.93	11.26	9.97
50	53.00	33.83	37.45	27.03	29.10	22.20	23.86	18.75	17.60	14.24	13.98	11.46	11.60	9.58
52	53.77	32.22	38.24	25.81	29.79	21.22	24.46	17.93	18.08	13.63	14.36	10.97	11.92	9.17
54	54.49	30.60	38.97	24.56	30.45	20.21	25.04	17.09	18.53	13.00	14.73	10.47	12.23	8.75
55	54.82	29.78	39.32	23.93	30.76	19.70	25.31	16.67	18.74	12.68	14.90	10.21	12.38	8.54
56	55.15	28.97	39.66	23.29	31.06	19.19	25.58	16.24	18.95	12.36	15.08	9.95	12.52	8.32
58	55.75	27.32	40.30	22.01	31.64	18.15	26.09	15.36	19.35	11.70	15.41	9.42	12.80	7.88
60	56.31	25.66	40.89	20.70	32.18	17.09	26.57	14.48	19.73	11.03	15.72	8.89	13.06	7.44
62	56.82	23.99	41.44	19.39	32.68	16.02	27.01	13.58	20.09	10.35	16.01	8.34	13.31	6.98
64	57.28	22.31	41.95	18.06	33.15	14.93	27.43	12.66	20.42	9.66	16.28	7.79	13.54	6.51
65	57.50	21.47	42.19	17.39	33.36	14.38	27.62	12.20	20.58	9.31	16.41	7.50	13.65	6.28
66	57.71	20.62	42.41	16.71	33.57	13.83	27.81	11.73	20.73	8.95	16.53	7.22	13.75	6.04
68	58.09	18.93	42.84	15.36	33.97	12.72	28.16	10.80	21.01	8.24	16.77	6.65	13.95	5.56
70	58.43	17.23	43.22	14.00	34.32	11.60	28.48	9.85	21.27	7.52	16.98	6.07	14.13	5.08
72	58.74	15.52	43.56	12.62	34.64	10.47	28.77	8.89	21.50	6.79	17.17	5.48	14.30	4.59
74	59.01	13.81	43.87	11.24	34.93	9.32	29.03	7.92	21.71	6.05	17.35	4.89	14.44	4.09
75	59.13	12.95	44.01	10.55	35.06	8.75	29.15	7.44	21.81	5.68	17.42	4.59	14.51	3.84
76	59.25	12.09	44.14	9.85	35.18	8.18	29.26	6.95	21.90	5.31	17.50	4.29	14.57	3.59
78	59.45	10.37	44.37	8.45	35.40	7.02	29.45	5.97	22.06	4.56	17.63	3.68	14.69	3.08
80	59.62	8.65	44.56	7.05	35.58	5.86	29.62	4.98	22.19	3.81	17.74	3.08	14.78	2.58
82	59.76	6.92	44.72	5.65	35.73	4.69	29.76	3.99	22.30	3.05	17.84	2.46	14.86	2.06
84	59.86	5.19	44.84	4.24	35.85	3.52	29.86	3.00	22.39	2.29	17.91	1.85	14.92	1.55
85	59.91	4.33	44.89	3.53	35.90	2.94	29.91	2.50	22.42	1.91	17.94	1.54	14.95	1.29
86	59.94	3.46	44.93	2.83	35.93	2.35	29.94	2.00	22.45	1.53	17.96	1.24	14.97	1.03
88	59.98	1.73	44.98	1.41	35.98	1.18	29.98	1.00	22.49	0.77	17.99	0.62	14.99	0.52
90	60.00	0.00	45.00	0.00	36.00	0.00	30.00	0.00	22.50	0.00	18.00	0.00	15.00	0.00