

## Segmented Woodturning

	4	6	8	12	18	24	36	Number of sides Cut angle
	45.00	30.00	22.50	15.00	10.00	7.50	5.00	
Ring Diameter	Side Length	Side Length	Side Length	Side Length	Side Length	Side Length	Side Length	
3.00	3.00	1.73	1.24	0.80	0.53	0.39	0.26	
3.25	3.25	1.88	1.35	0.87	0.57	0.43	0.28	
3.50	3.50	2.02	1.45	0.94	0.62	0.46	0.31	
3.75	3.75	2.17	1.55	1.00	0.66	0.49	0.33	
4.00	4.00	2.31	1.66	1.07	0.71	0.53	0.35	
4.25	4.25	2.45	1.76	1.14	0.75	0.56	0.37	
4.50	4.50	2.60	1.86	1.21	0.79	0.59	0.39	
4.75	4.75	2.74	1.97	1.27	0.84	0.63	0.42	
5.00	5.00	2.89	2.07	1.34	0.88	0.66	0.44	
5.25	5.25	3.03	2.17	1.41	0.93	0.69	0.46	
5.50	5.50	3.18	2.28	1.47	0.97	0.72	0.48	
5.75	5.75	3.32	2.38	1.54	1.01	0.76	0.50	
6.00	6.00	3.46	2.49	1.61	1.06	0.79	0.52	
6.25	6.25	3.61	2.59	1.67	1.10	0.82	0.55	
6.50	6.50	3.75	2.69	1.74	1.15	0.86	0.57	
6.75	6.75	3.90	2.80	1.81	1.19	0.89	0.59	
7.00	7.00	4.04	2.90	1.88	1.23	0.92	0.61	
7.25	7.25	4.19	3.00	1.94	1.28	0.95	0.63	
7.50	7.50	4.33	3.11	2.01	1.32	0.99	0.66	
7.75	7.75	4.47	3.21	2.08	1.37	1.02	0.68	
8.00	8.00	4.62	3.31	2.14	1.41	1.05	0.70	
8.25	8.25	4.76	3.42	2.21	1.45	1.09	0.72	
8.50	8.50	4.91	3.52	2.28	1.50	1.12	0.74	
8.75	8.75	5.05	3.62	2.34	1.54	1.15	0.77	
9.00	9.00	5.20	3.73	2.41	1.59	1.18	0.79	
9.25	9.25	5.34	3.83	2.48	1.63	1.22	0.81	
9.50	9.50	5.48	3.94	2.55	1.68	1.25	0.83	
9.75	9.75	5.63	4.04	2.61	1.72	1.28	0.85	
10.00	10.00	5.77	4.14	2.68	1.76	1.32	0.87	
10.25	10.25	5.92	4.25	2.75	1.81	1.35	0.90	
10.50	10.50	6.06	4.35	2.81	1.85	1.38	0.92	
10.75	10.75	6.21	4.45	2.88	1.90	1.42	0.94	
11.00	11.00	6.35	4.56	2.95	1.94	1.45	0.96	
11.25	11.25	6.50	4.66	3.01	1.98	1.48	0.98	
11.50	11.50	6.64	4.76	3.08	2.03	1.51	1.01	
11.75	11.75	6.78	4.87	3.15	2.07	1.55	1.03	
12.00	12.00	6.93	4.97	3.22	2.12	1.58	1.05	

  

Sides	Angle
3	60
4	45
5	36
6	30
8	22.5
9	20
10	18
12	15
15	12
18	10
20	9
24	7.5
30	6
36	5

## Stave Construction Vessel Woodturning

Slope of Sides	4 Sides		6 Sides		8 Sides		12 Sides	
	Miter Gage	Blade Tilt	Miter Gage	Blade Tilt	Miter Gage	Blade Tilt	Miter Gage	Blade Tilt
0	45	0	60	0	67.5	0	75	0
5	45.11	3.53	60.09	2.50	67.58	1.91	75.05	1.29
10	45.44	7.05	60.38	4.98	67.81	3.81	75.22	2.58
15	45.99	10.55	60.85	7.44	68.19	5.68	75.49	3.84
20	46.78	14.00	61.52	9.85	68.73	7.52	75.87	5.08
25	47.81	17.39	62.38	12.20	69.42	9.31	76.35	6.28
30	49.11	20.70	63.43	14.48	70.27	11.03	76.94	7.44
35	50.68	23.93	64.69	16.67	71.26	12.68	77.62	8.54
40	52.55	27.03	66.14	18.75	72.40	14.24	78.40	9.58
45	54.74	30.00	67.79	20.70	73.68	15.70	79.27	10.55
50	57.27	32.80	69.64	22.52	75.09	17.05	80.23	11.44
55	60.16	35.40	71.68	24.18	76.64	18.27	81.26	12.24
60	63.43	37.76	73.90	25.66	78.30	19.35	82.37	12.95
65	67.09	39.86	76.29	26.95	80.07	20.29	83.54	13.57
70	71.12	41.64	78.83	28.02	81.94	21.08	84.76	14.08
75	75.49	43.08	81.50	28.88	83.88	21.69	86.03	14.48
80	80.15	44.14	84.27	29.50	85.89	22.14	87.34	14.77
85	85.02	44.78	87.12	29.87	87.93	22.41	88.66	14.94
90	90	45	90	45	90	45	90	45

## Open Segmented Construction

	18	24	Number of segments 4 degrees between segments
	8.0	5.5	
Bowl Diameter	Side Length	Side Length	
3.00	0.42	0.29	
3.25	0.46	0.31	
3.50	0.49	0.34	
3.75	0.53	0.36	
4.00	0.56	0.39	
4.25	0.60	0.41	
4.50	0.63	0.43	
4.75	0.67	0.46	
5.00	0.70	0.48	
5.25	0.74	0.51	
5.50	0.77	0.53	
5.75	0.81	0.55	
6.00	0.84	0.58	
6.25	0.88	0.60	
6.50	0.91	0.63	
6.75	0.95	0.65	
7.00	0.98	0.67	
7.25	1.02	0.70	
7.50	1.05	0.72	
7.75	1.09	0.75	
8.00	1.12	0.77	
8.25	1.16	0.79	
8.50	1.19	0.82	
8.75	1.23	0.84	
9.00	1.26	0.87	
9.25	1.30	0.89	
9.50	1.34	0.91	
9.75	1.37	0.94	
10.00	1.41	0.96	
10.25	1.44	0.99	
10.50	1.48	1.01	
10.75	1.51	1.04	
11.00	1.55	1.06	
11.25	1.58	1.08	
11.50	1.62	1.11	
11.75	1.65	1.13	
12.00	1.69	1.16	