

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

Segmented Woodturning

Ring Diameter	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	
	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	

<u>Sides</u>	<u>Angle</u>
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

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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
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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