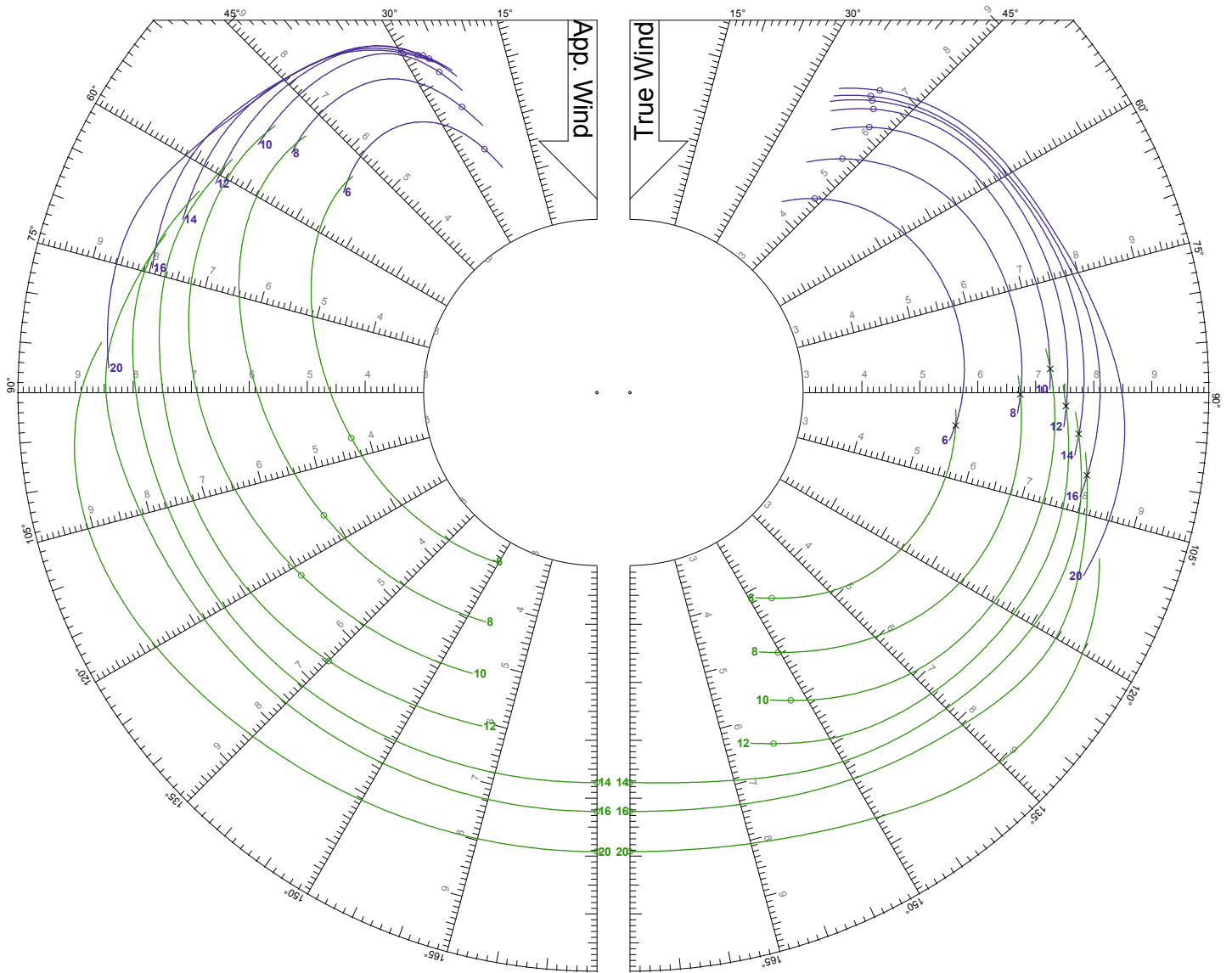


# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



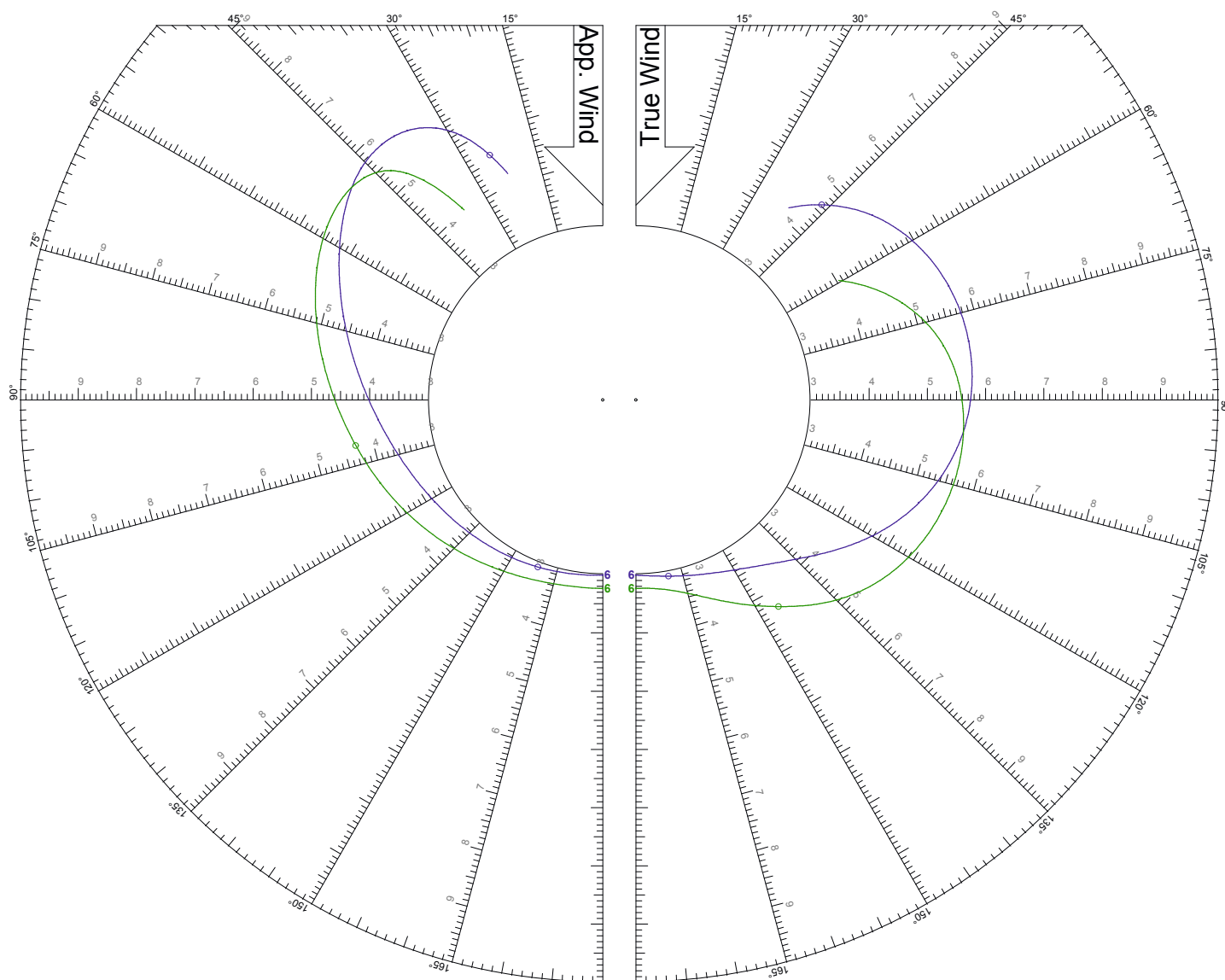
TWS: 6, 8, 10, 12, 14, 16, 20 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



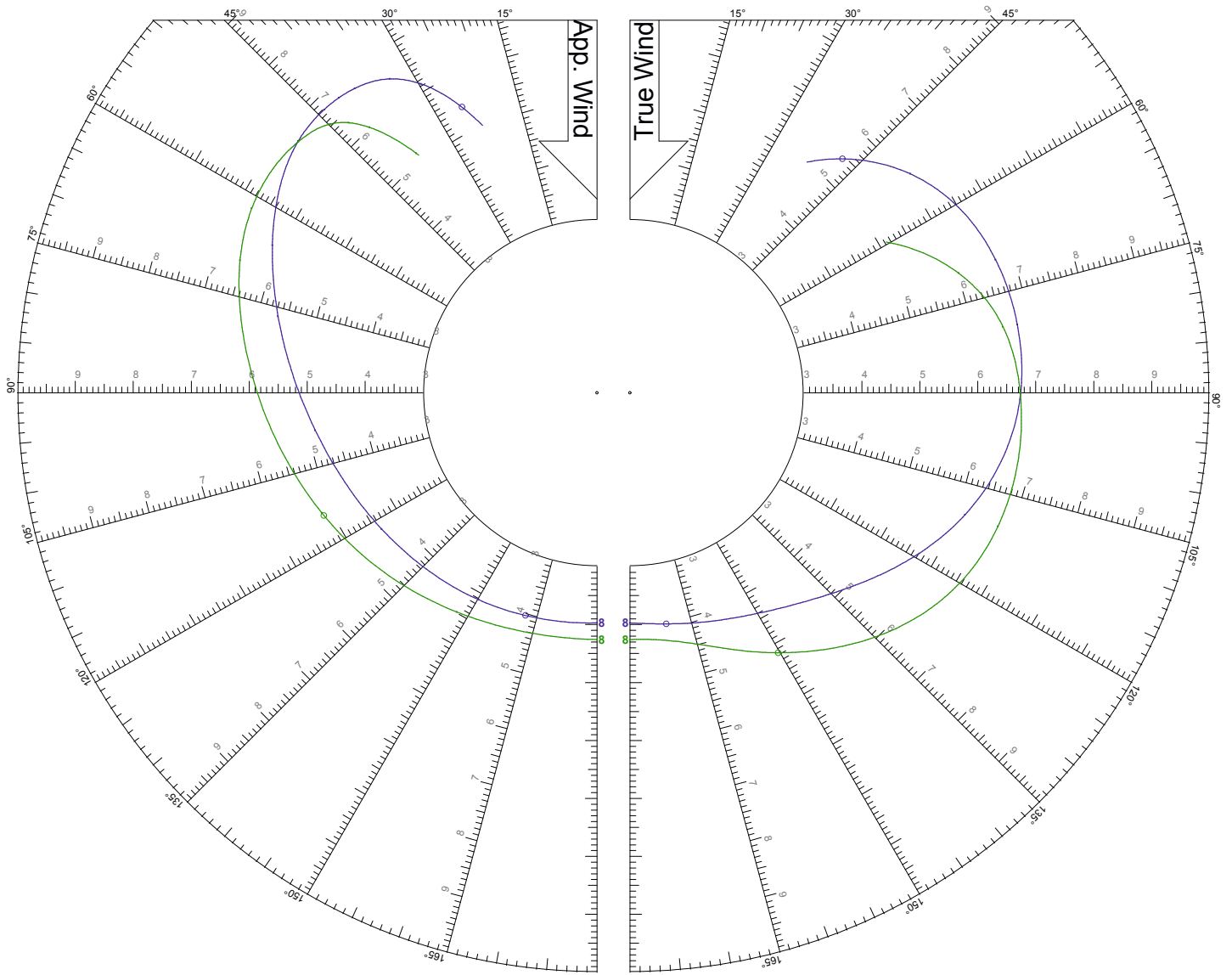
TWS: 6 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



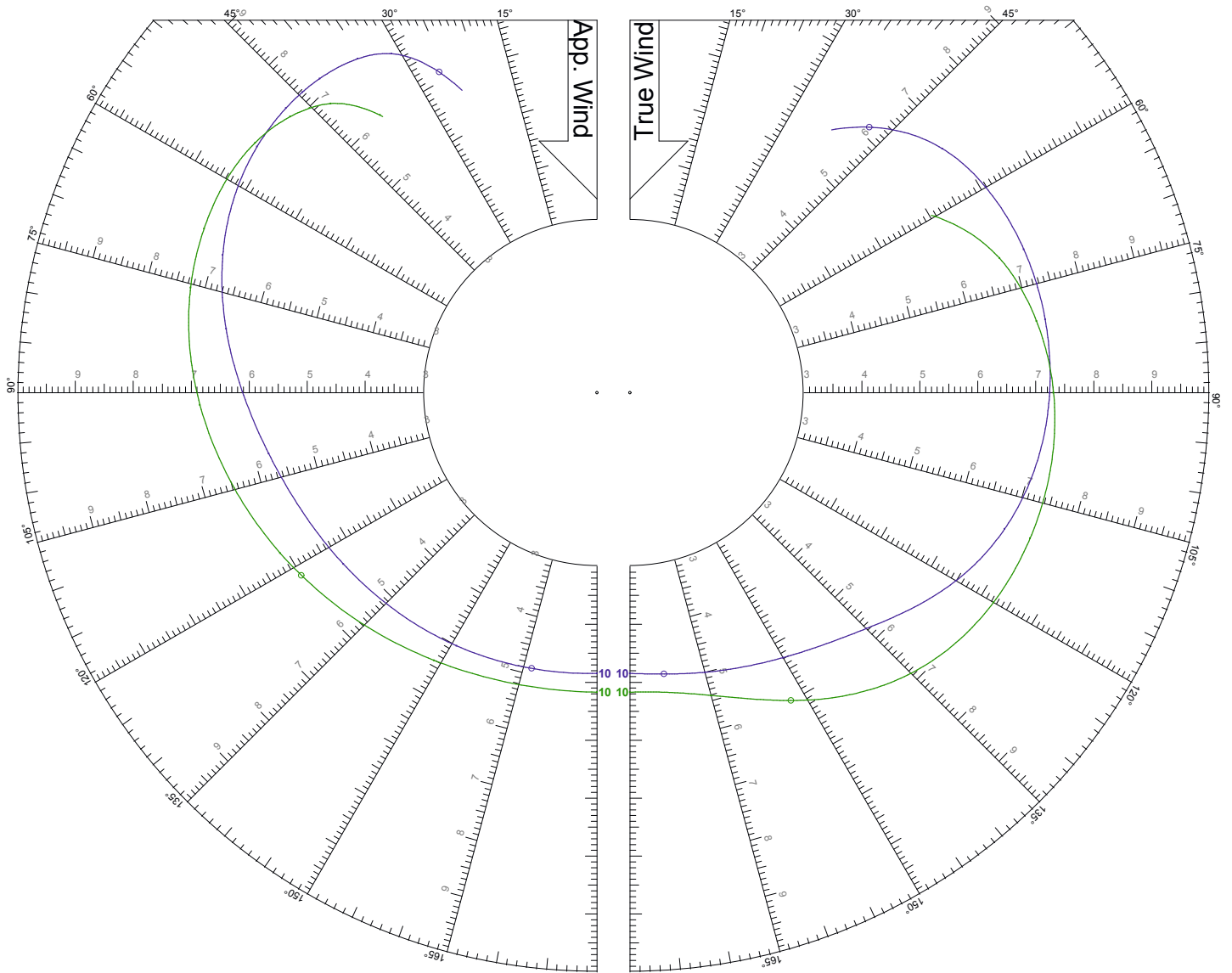
TWS: 8 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



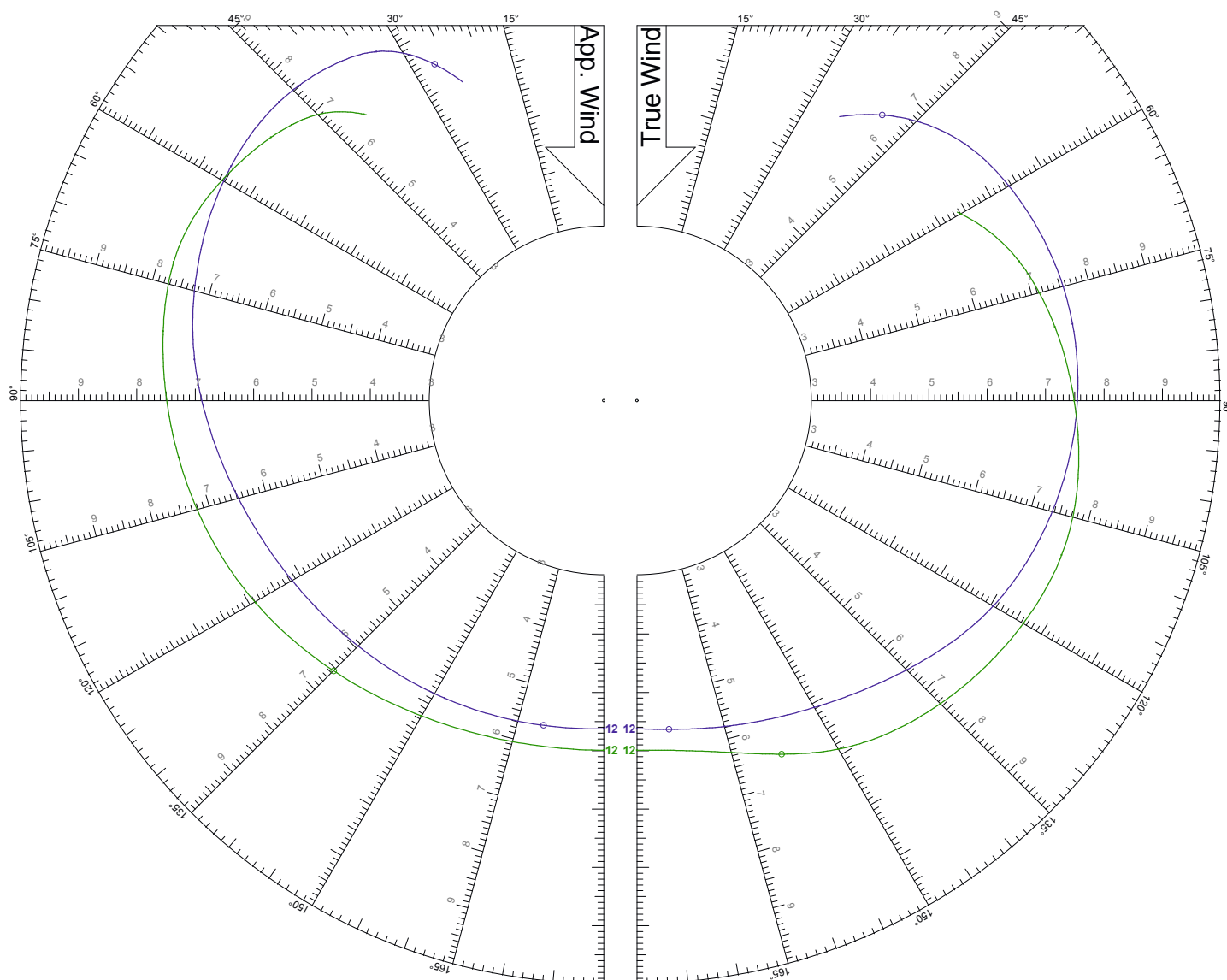
TWS: 10 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



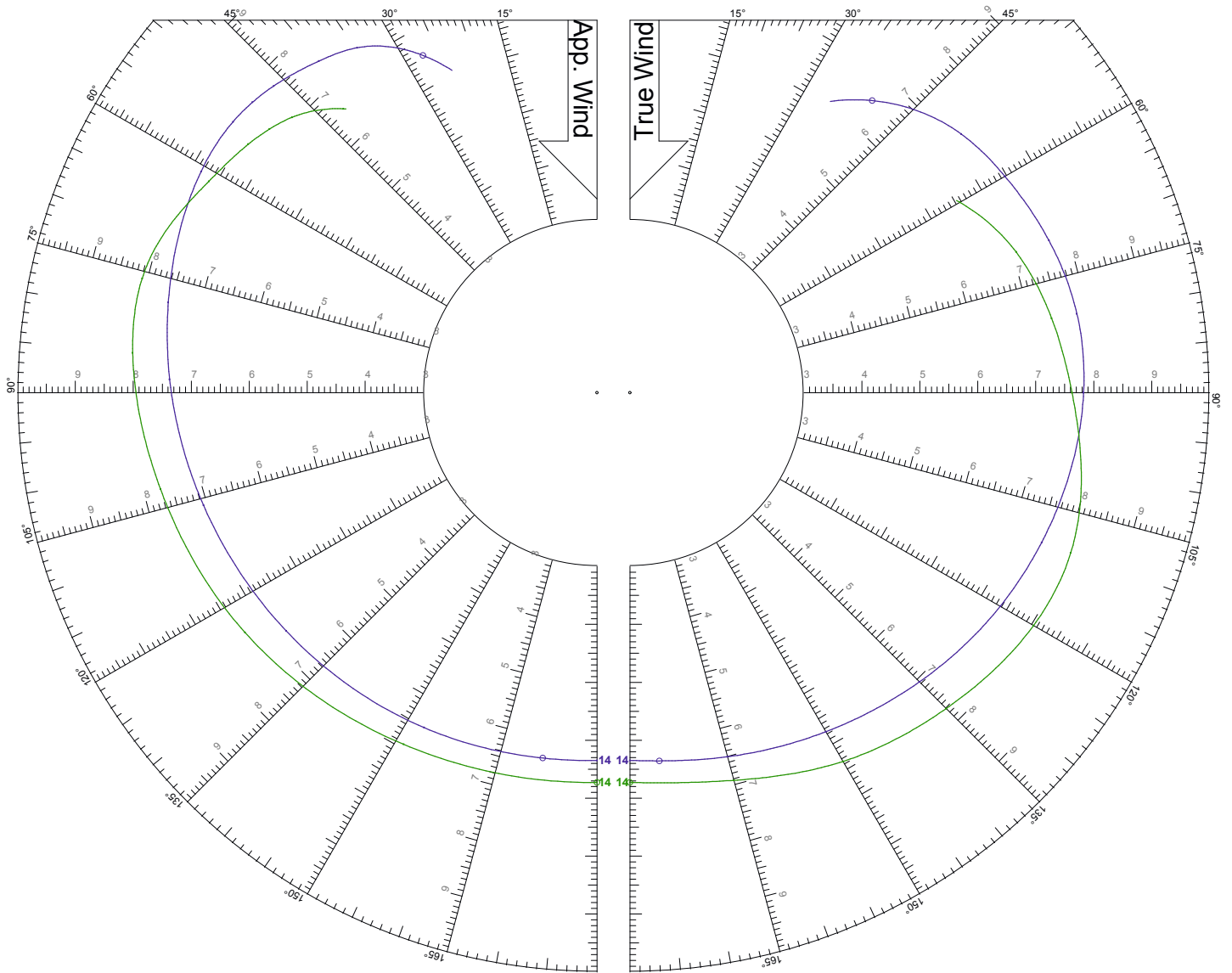
TWS: 12 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



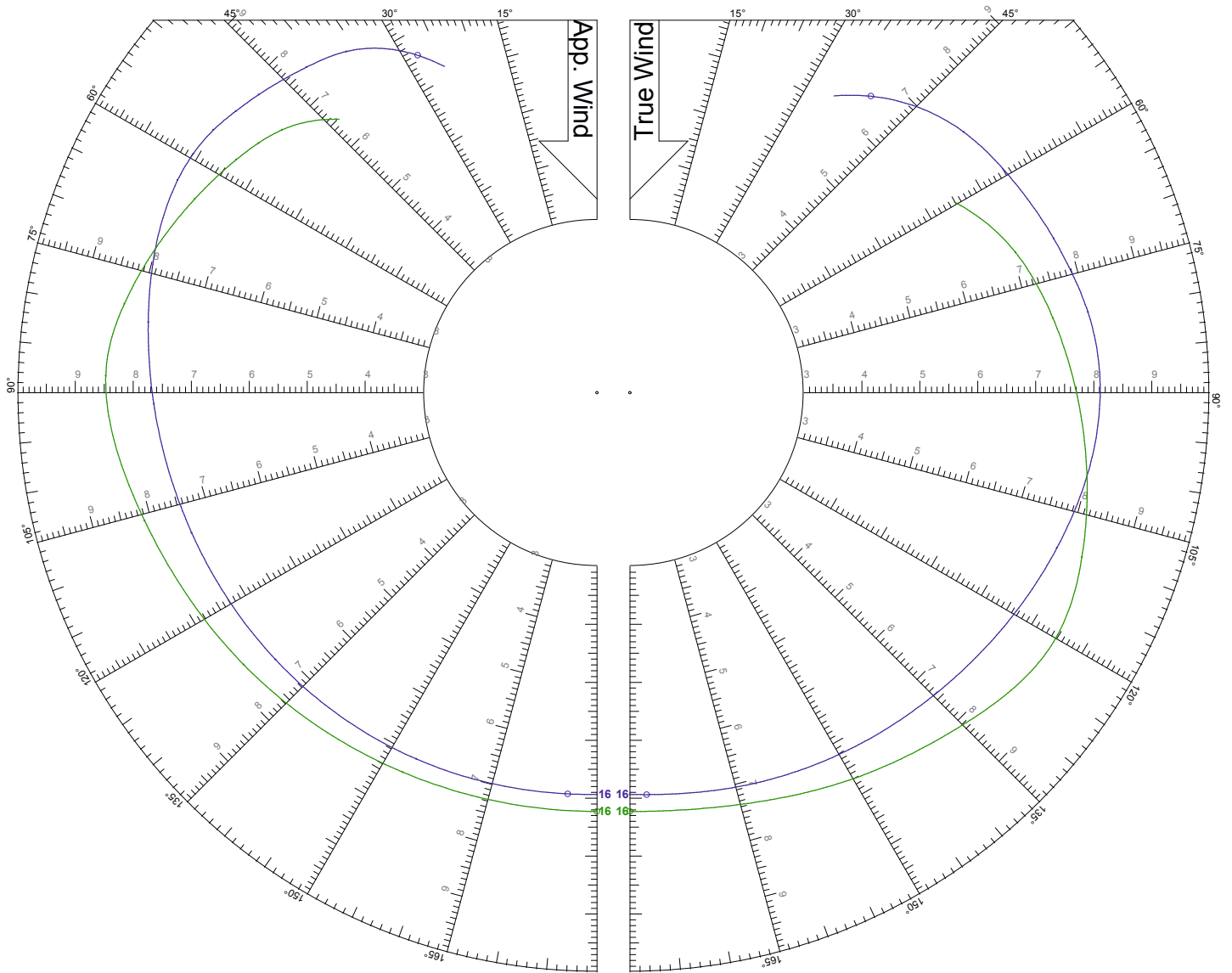
TWS: 14 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



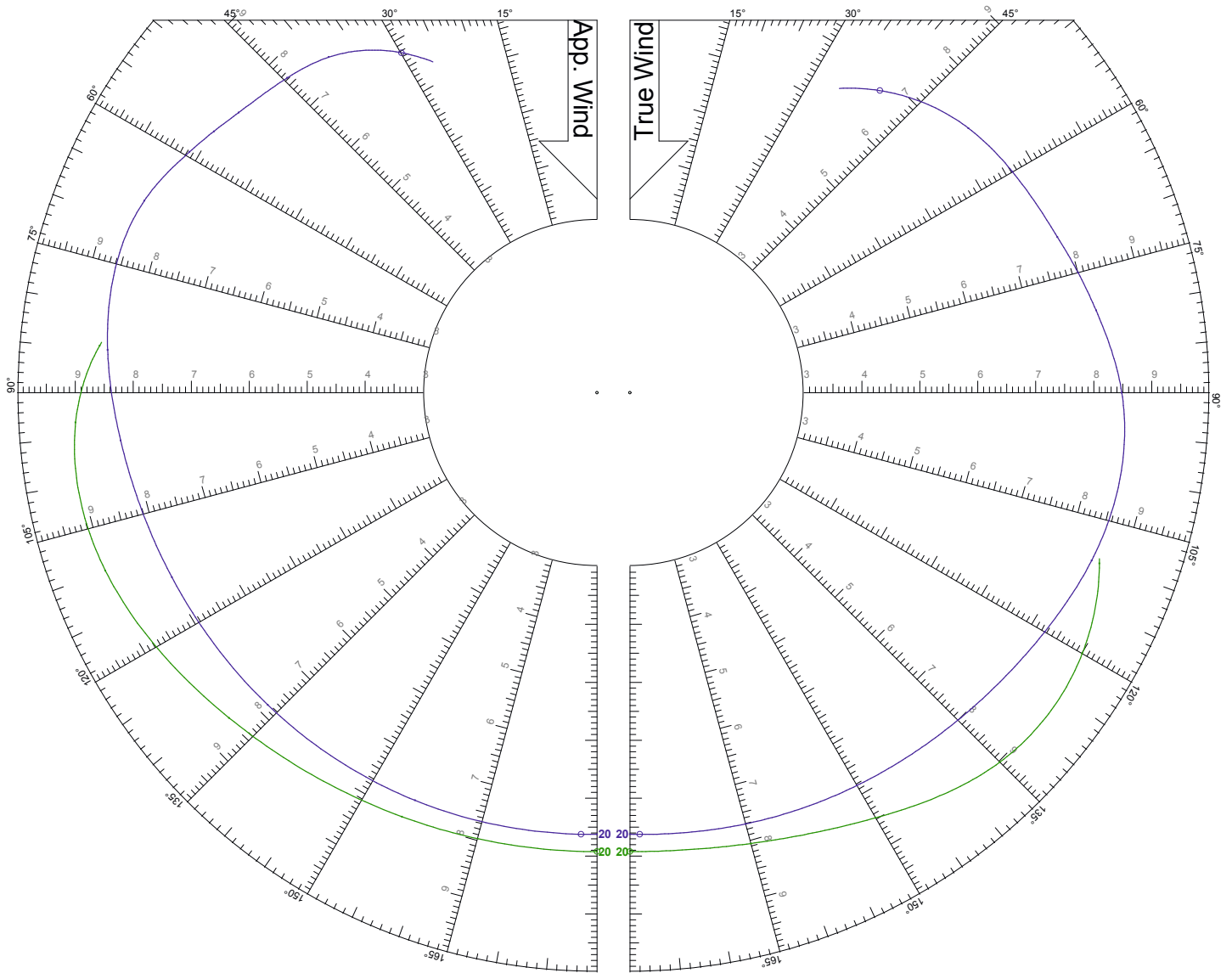
TWS: 16 kts

Jib

Symmetric Spinnaker

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



TWS: 20 kts

Jib

Symmetric Spinnaker



# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



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TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.6° (b)	4.62	3.35	9.88	24.8°	4.7°	1.00	0.97
52°	5.15	3.17	10.02	28.1°	5.0°	1.00	1.00
60°	5.47	2.74	9.94	31.5°	4.9°	1.00	1.00
70°	5.71	1.95	9.59	36.0°	4.5°	1.00	1.00
75°	5.77	1.49	9.34	38.4°	4.2°	1.00	1.00
80°	5.80	1.01	9.04	40.8°	3.9°	1.00	1.00
90°	5.74	0.00	8.31	46.3°	3.3°	1.00	1.00
110°	5.59	1.91	6.65	57.9°	11.8°	1.00	1.00
120°	5.40	2.70	5.72	65.2°	11.2°	1.00	1.00
135°	4.86	3.44	4.29	81.7°	9.3°	1.00	1.00
150°	4.08	3.53	3.20	110.5°	7.4°	1.00	1.00
165°	3.44	3.32	2.82	146.6°	6.8°	1.00	1.00
180°	3.24	3.24	2.76	180.0°	6.6°	1.00	1.00
145.4° (r)	4.31	3.55	3.46	100.5°	7.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.3° (b)	5.45	4.03	12.58	25.3°	10.7°	1.00	0.96
52°	6.13	3.78	12.73	29.7°	12.0°	1.00	1.00
60°	6.49	3.24	12.57	33.4°	11.3°	1.00	1.00
70°	6.71	2.30	12.07	38.5°	9.5°	1.00	1.00
75°	6.76	1.75	11.74	41.2°	8.4°	1.00	1.00
80°	6.78	1.18	11.35	44.0°	7.2°	1.00	1.00
90°	6.74	0.00	10.46	49.9°	5.0°	1.00	1.00
110°	6.75	2.31	8.52	61.9°	13.5°	1.00	1.00
120°	6.57	3.28	7.39	69.7°	12.2°	1.00	1.00
135°	5.97	4.22	5.67	86.9°	10.6°	1.00	1.00
150°	5.18	4.49	4.37	113.6°	8.1°	1.00	1.00
165°	4.49	4.34	3.84	147.4°	7.1°	1.00	1.00
180°	4.26	4.26	3.74	180.0°	6.7°	1.00	1.00
150.3° (r)	5.16	4.49	4.35	114.2°	8.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	6.17	4.58	15.16	26.2°	19.4°	1.00	0.95
52°	6.84	4.21	15.20	31.2°	20.5°	1.00	0.98
60°	7.09	3.54	14.87	35.6°	19.6°	1.00	1.00
70°	7.23	2.47	14.20	41.4°	16.2°	1.00	1.00
75°	7.26	1.88	13.80	44.4°	14.3°	1.00	1.00
80°	7.27	1.26	13.35	47.5°	12.4°	1.00	1.00
90°	7.31	0.00	12.39	53.8°	21.6°	1.00	0.99
110°	7.35	2.51	10.18	67.3°	15.8°	1.00	1.00
120°	7.24	3.62	8.95	75.5°	13.4°	1.00	1.00
135°	6.85	4.85	7.07	91.8°	11.3°	1.00	1.00
150°	6.13	5.31	5.61	116.9°	8.9°	1.00	1.00
165°	5.41	5.23	4.98	148.7°	7.4°	1.00	1.00
180°	5.17	5.17	4.83	180.0°	6.8°	1.00	1.00
152.4° (r)	6.00	5.31	5.45	121.7°	8.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.6° (b)	6.45	4.89	17.41	26.7°	25.0°	1.00	0.86
52°	7.14	4.39	17.33	33.1°	27.5°	1.00	0.92
60°	7.36	3.68	16.92	37.9°	26.8°	1.00	0.95
70°	7.51	2.57	16.19	44.1°	24.4°	1.00	1.00
75°	7.56	1.96	15.75	47.4°	21.4°	1.00	1.00
80°	7.58	1.32	15.26	50.7°	18.4°	1.00	1.00
90°	7.54	0.00	14.17	57.8°	12.4°	1.00	1.00
110°	7.74	2.65	11.85	72.1°	17.6°	1.00	1.00
120°	7.64	3.82	10.52	81.0°	15.3°	1.00	1.00
135°	7.35	5.20	8.56	97.6°	11.8°	1.00	1.00
150°	6.90	5.97	6.94	120.2°	9.9°	1.00	1.00
165°	6.24	6.03	6.18	149.8°	7.9°	1.00	1.00
180°	5.99	5.99	6.01	180.0°	6.9°	1.00	1.00
157.7° (r)	6.55	6.06	6.44	135.1°	8.6°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.7° (b)	6.55	5.04	19.49	27.3°	26.2°	1.00	0.73
52°	7.25	4.46	19.33	34.8°	28.7°	1.00	0.79
60°	7.47	3.73	18.88	40.0°	29.5°	1.00	0.84
70°	7.69	2.63	18.13	46.5°	29.9°	1.00	0.94
75°	7.77	2.01	17.69	49.9°	28.0°	1.00	0.97
80°	7.83	1.36	17.19	53.3°	26.0°	1.00	1.00
90°	7.83	0.00	16.04	60.8°	17.5°	1.00	1.00
110°	8.09	2.77	13.56	75.9°	22.0°	1.00	0.95
120°	8.04	4.02	12.17	85.1°	16.5°	1.00	1.00
135°	7.71	5.45	10.14	102.5°	12.5°	1.00	1.00
150°	7.35	6.37	8.47	124.3°	10.7°	1.00	1.00
165°	6.93	6.69	7.53	151.2°	8.4°	1.00	1.00
180°	6.73	6.73	7.27	180.0°	7.1°	1.00	1.00
180.0° (r)	6.73	6.73	7.27	180.0°	7.1°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	6.59	5.12	21.52	28.0°	26.3°	1.00	0.62
52°	7.31	4.50	21.29	36.3°	29.2°	1.00	0.68
60°	7.53	3.76	20.81	41.7°	30.3°	1.00	0.73
70°	7.78	2.66	20.04	48.6°	31.2°	1.00	0.82
75°	7.90	2.05	19.59	52.1°	31.6°	1.00	0.89
80°	8.02	1.39	19.10	55.6°	30.9°	1.00	0.95
90°	8.11	0.00	17.94	63.1°	24.0°	1.00	1.00
110°	8.30	2.84	15.30	79.4°	22.1°	0.94	0.93
120°	8.48	4.24	13.86	88.0°	19.6°	1.00	1.00
135°	8.11	5.74	11.76	105.8°	13.4°	1.00	1.00
150°	7.70	6.66	10.10	127.6°	11.1°	1.00	1.00
165°	7.36	7.11	9.09	152.9°	9.1°	1.00	1.00
180°	7.23	7.23	8.77	180.0°	7.2°	1.00	1.00
180.0° (r)	7.23	7.23	8.77	180.0°	7.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.6° (b)	6.77	5.21	25.58	29.9°	26.0°	0.48	0.60
52°	7.41	4.56	25.25	38.6°	26.7°	0.51	0.60
60°	7.62	3.81	24.71	44.5°	27.7°	0.70	0.60
70°	7.85	2.68	23.85	52.0°	31.8°	1.00	0.63
75°	8.00	2.07	23.39	55.7°	32.7°	1.00	0.69
80°	8.17	1.42	22.88	59.4°	33.3°	1.00	0.76
90°	8.48	0.00	21.73	67.0°	33.8°	1.00	0.92
110°	8.62	2.95	18.88	84.6°	22.4°	0.85	0.88
120°	9.01	4.50	17.35	93.3°	22.1°	0.93	0.95
135°	9.02	6.38	15.04	109.9°	16.1°	1.00	1.00
150°	8.47	7.34	13.35	131.5°	12.1°	1.00	1.00
165°	8.06	7.78	12.39	155.3°	10.6°	1.00	1.00
180°	7.92	7.92	12.08	180.0°	7.7°	1.00	1.00
180.0° (r)	7.92	7.92	12.08	180.0°	7.7°	1.00	1.00

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



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TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.6° (b)	4.62	3.35	9.68	24.3°	4.7°	1.00	0.97
52°	5.15	3.17	9.83	27.6°	5.0°	1.00	1.00
60°	5.47	2.74	9.76	30.9°	4.9°	1.00	1.00
70°	5.71	1.95	9.42	35.2°	4.5°	1.00	1.00
75°	5.77	1.49	9.17	37.5°	4.2°	1.00	1.00
80°	5.80	1.01	8.88	40.0°	3.9°	1.00	1.00
90°	5.74	0.00	8.16	45.2°	3.3°	1.00	1.00
110°	5.17	1.77	6.32	59.8°	2.0°	1.00	1.00
120°	4.68	2.34	5.34	70.7°	1.4°	1.00	1.00
135°	3.87	2.74	4.14	93.6°	0.8°	1.00	1.00
150°	3.37	2.92	3.36	119.9°	0.5°	1.00	1.00
165°	3.13	3.02	2.89	148.8°	0.3°	1.00	1.00
180°	3.01	3.01	2.79	180.0°	0.1°	1.00	1.00
169.5° (r)	3.08	3.03	2.83	158.0°	0.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.3° (b)	5.45	4.03	12.27	24.5°	10.7°	1.00	0.96
52°	6.13	3.78	12.41	28.7°	12.0°	1.00	1.00
60°	6.49	3.24	12.25	32.4°	11.3°	1.00	1.00
70°	6.71	2.30	11.78	37.4°	9.5°	1.00	1.00
75°	6.76	1.75	11.46	40.1°	8.4°	1.00	1.00
80°	6.78	1.18	11.09	42.9°	7.2°	1.00	1.00
90°	6.74	0.00	10.24	48.8°	5.0°	1.00	1.00
110°	6.15	2.10	8.07	64.3°	2.7°	1.00	1.00
120°	5.66	2.83	6.95	75.2°	2.0°	1.00	1.00
135°	4.90	3.47	5.54	96.2°	1.2°	1.00	1.00
150°	4.40	3.81	4.53	121.0°	0.8°	1.00	1.00
165°	4.11	3.97	3.91	149.2°	0.5°	1.00	1.00
180°	3.97	3.97	3.76	180.0°	0.1°	1.00	1.00
171.1° (r)	4.04	3.99	3.79	161.6°	0.3°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	6.17	4.58	14.61	24.5°	19.4°	1.00	0.95
52°	6.84	4.21	14.58	29.1°	20.5°	1.00	0.98
60°	7.09	3.54	14.24	33.4°	19.6°	1.00	1.00
70°	7.23	2.47	13.64	39.5°	16.2°	1.00	1.00
75°	7.26	1.88	13.29	42.8°	14.3°	1.00	1.00
80°	7.27	1.26	12.89	46.0°	12.4°	1.00	1.00
90°	7.24	0.00	11.99	52.9°	8.3°	1.00	1.00
110°	6.88	2.35	9.77	68.6°	3.5°	1.00	1.00
120°	6.49	3.25	8.56	79.0°	2.6°	1.00	1.00
135°	5.76	4.07	6.97	99.3°	1.7°	1.00	1.00
150°	5.28	4.57	5.77	122.8°	1.2°	1.00	1.00
165°	5.00	4.83	5.01	150.0°	0.7°	1.00	1.00
180°	4.84	4.84	4.82	180.0°	0.2°	1.00	1.00
173.1° (r)	4.89	4.86	4.84	166.2°	0.4°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.6° (b)	6.45	4.89	16.57	24.1°	25.0°	1.00	0.86
52°	7.14	4.39	16.27	29.4°	27.5°	1.00	0.92
60°	7.36	3.68	15.79	34.1°	26.8°	1.00	0.95
70°	7.51	2.57	15.08	40.7°	24.4°	1.00	1.00
75°	7.56	1.96	14.77	44.5°	21.4°	1.00	1.00
80°	7.58	1.32	14.43	48.4°	18.4°	1.00	1.00
90°	7.54	0.00	13.60	56.3°	12.4°	1.00	1.00
110°	7.28	2.49	11.39	73.2°	4.4°	1.00	1.00
120°	7.05	3.52	10.16	83.1°	3.3°	1.00	1.00
135°	6.53	4.62	8.43	101.8°	2.2°	1.00	1.00
150°	6.07	5.26	7.06	124.6°	1.6°	1.00	1.00
165°	5.78	5.59	6.19	151.0°	1.0°	1.00	1.00
180°	5.62	5.62	5.97	180.0°	0.3°	1.00	1.00
174.4° (r)	5.66	5.63	5.98	169.2°	0.5°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.7° (b)	6.55	5.04	18.42	24.4°	26.2°	1.00	0.73
52°	7.25	4.46	17.95	30.8°	28.7°	1.00	0.79
60°	7.47	3.73	17.30	35.4°	29.5°	1.00	0.84
70°	7.69	2.63	16.35	41.5°	29.9°	1.00	0.94
75°	7.77	2.01	15.98	45.4°	28.0°	1.00	0.97
80°	7.83	1.36	15.61	49.4°	26.0°	1.00	1.00
90°	7.83	0.00	15.06	58.7°	17.5°	1.00	1.00
110°	7.56	2.58	13.03	77.1°	6.0°	1.00	1.00
120°	7.38	3.69	11.77	87.2°	4.0°	1.00	1.00
135°	7.06	4.99	9.96	105.0°	2.9°	1.00	1.00
150°	6.76	5.85	8.42	126.4°	2.1°	1.00	1.00
165°	6.51	6.28	7.44	151.9°	1.3°	1.00	1.00
180°	6.35	6.35	7.18	180.0°	0.4°	1.00	1.00
175.4° (r)	6.38	6.36	7.18	171.3°	0.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	6.59	5.12	20.24	25.0°	26.3°	1.00	0.62
52°	7.31	4.50	19.60	32.0°	29.2°	1.00	0.68
60°	7.53	3.76	18.86	36.9°	30.3°	1.00	0.73
70°	7.78	2.66	17.77	43.2°	31.2°	1.00	0.82
75°	7.90	2.05	17.19	46.5°	31.6°	1.00	0.89
80°	8.02	1.39	16.69	50.3°	30.9°	1.00	0.95
90°	8.11	0.00	16.20	59.9°	24.0°	1.00	1.00
110°	7.84	2.68	14.62	80.0°	9.2°	1.00	1.00
120°	7.65	3.82	13.42	90.6°	5.2°	1.00	1.00
135°	7.40	5.23	11.56	108.2°	3.6°	1.00	1.00
150°	7.21	6.25	9.93	128.8°	2.6°	1.00	1.00
165°	7.05	6.81	8.84	153.1°	1.6°	1.00	1.00
180°	6.94	6.94	8.52	180.0°	0.5°	1.00	1.00
177.6° (r)	6.94	6.94	8.52	175.7°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.6° (b)	6.77	5.21	23.61	26.8°	26.0°	0.48	0.60
52°	7.41	4.56	22.97	34.8°	26.7°	0.51	0.60
60°	7.62	3.81	22.22	40.2°	27.7°	0.70	0.60
70°	7.85	2.68	20.73	46.4°	31.8°	1.00	0.63
75°	8.00	2.07	20.01	49.9°	32.7°	1.00	0.69
80°	8.17	1.42	19.28	53.6°	33.3°	1.00	0.76
90°	8.48	0.00	17.88	61.7°	33.8°	1.00	0.92
110°	8.47	2.90	17.40	83.9°	17.8°	1.00	1.00
120°	8.26	4.13	16.53	95.0°	11.7°	1.00	1.00
135°	8.00	5.65	14.80	112.8°	6.6°	1.00	1.00
150°	7.83	6.78	13.16	132.8°	4.0°	1.00	1.00
165°	7.71	7.44	12.04	155.5°	2.4°	1.00	1.00
180°	7.62	7.62	11.70	180.0°	0.9°	1.00	1.00
178.7° (r)	7.63	7.63	11.70	177.9°	1.0°	1.00	1.00

# SPEED GUIDE

## COMPETITION KEEL, CARBON RIG, SYMMETRIC SPINNAKER



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TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.08	2.04	8.65	35.4°	12.2°	1.00	0.97
70°	4.86	1.66	8.77	38.2°	12.8°	1.00	0.98
75°	5.15	1.33	8.70	39.9°	13.0°	1.00	0.99
80°	5.36	0.93	8.55	41.7°	13.1°	1.00	0.99
90°	5.59	0.00	8.04	45.9°	12.9°	1.00	1.00
110°	5.59	1.91	6.51	56.9°	11.8°	1.00	1.00
120°	5.40	2.70	5.60	64.2°	11.2°	1.00	1.00
135°	4.86	3.44	4.19	80.8°	9.3°	1.00	1.00
150°	4.08	3.53	3.13	109.9°	7.4°	1.00	1.00
165°	3.44	3.32	2.74	146.3°	6.8°	1.00	1.00
180°	3.24	3.24	2.68	180.0°	6.6°	1.00	1.00
145.4° (r)	4.31	3.55	3.39	99.9°	7.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.18	2.59	11.25	35.8°	15.3°	1.00	0.97
70°	6.03	2.06	11.26	39.2°	16.3°	1.00	0.98
75°	6.33	1.64	11.11	41.1°	16.6°	1.00	0.99
80°	6.54	1.13	10.85	43.3°	16.7°	1.00	1.00
90°	6.73	0.00	10.14	48.4°	16.1°	1.00	1.00
110°	6.75	2.31	8.28	60.7°	13.5°	1.00	1.00
120°	6.57	3.28	7.18	68.6°	12.2°	1.00	1.00
135°	5.97	4.22	5.51	86.1°	10.6°	1.00	1.00
150°	5.18	4.49	4.26	113.1°	8.1°	1.00	1.00
165°	4.49	4.34	3.74	147.1°	7.1°	1.00	1.00
180°	4.26	4.26	3.63	180.0°	6.7°	1.00	1.00
150.3° (r)	5.16	4.49	4.24	113.7°	8.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.08	3.04	13.59	36.0°	20.3°	1.00	0.96
70°	6.78	2.32	13.24	40.1°	22.2°	0.98	0.94
75°	6.98	1.81	12.93	42.6°	22.2°	0.98	0.94
80°	7.12	1.24	12.56	45.4°	22.3°	0.99	0.93
90°	7.31	0.00	11.70	51.3°	21.6°	1.00	0.99
110°	7.35	2.51	9.76	66.0°	15.8°	1.00	1.00
120°	7.24	3.62	8.63	74.5°	13.4°	1.00	1.00
135°	6.85	4.85	6.86	91.2°	11.3°	1.00	1.00
150°	6.13	5.31	5.46	116.5°	8.9°	1.00	1.00
165°	5.41	5.23	4.84	148.4°	7.4°	1.00	1.00
180°	5.17	5.17	4.69	180.0°	6.8°	1.00	1.00
152.4° (r)	6.00	5.31	5.30	121.4°	8.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.40	3.20	15.41	37.3°	22.6°	0.93	0.87
70°	6.97	2.38	14.93	42.7°	22.7°	0.92	0.83
75°	7.13	1.85	14.57	45.8°	22.5°	0.93	0.82
80°	7.27	1.26	14.15	48.9°	22.4°	0.94	0.84
90°	7.49	0.00	13.19	55.4°	22.3°	0.95	0.88
110°	7.74	2.65	11.21	70.7°	17.6°	1.00	1.00
120°	7.64	3.82	10.03	80.1°	15.3°	1.00	1.00
135°	7.35	5.20	8.28	97.2°	11.8°	1.00	1.00
150°	6.90	5.97	6.74	120.0°	9.9°	1.00	1.00
165°	6.24	6.03	6.02	149.7°	7.9°	1.00	1.00
180°	5.99	5.99	5.84	180.0°	6.9°	1.00	1.00
157.7° (r)	6.55	6.06	6.27	134.9°	8.6°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.57	3.29	17.16	39.0°	22.8°	0.85	0.84
70°	7.09	2.42	16.58	45.0°	22.7°	0.85	0.81
75°	7.25	1.88	16.16	48.3°	22.6°	0.85	0.83
80°	7.39	1.28	15.70	51.7°	22.6°	0.86	0.85
90°	7.63	0.00	14.69	58.7°	22.4°	0.87	0.89
110°	8.09	2.77	12.44	74.2°	22.0°	1.00	0.95
120°	8.04	4.02	11.52	84.3°	16.5°	1.00	1.00
135°	7.71	5.45	9.77	102.2°	12.5°	1.00	1.00
150°	7.35	6.37	8.22	124.2°	10.7°	1.00	1.00
165°	6.93	6.69	7.33	151.1°	8.4°	1.00	1.00
180°	6.73	6.73	7.08	180.0°	7.1°	1.00	1.00
180.0° (r)	6.73	6.73	7.08	180.0°	7.1°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.52	3.26	18.82	40.8°	23.3°	0.85	0.66
70°	7.08	2.42	18.22	47.3°	22.9°	0.85	0.65
75°	7.26	1.88	17.79	50.7°	22.8°	0.85	0.67
80°	7.41	1.29	17.30	54.3°	22.7°	0.85	0.69
90°	7.70	0.00	16.27	61.7°	22.1°	0.85	0.78
110°	8.30	2.84	13.91	77.7°	22.1°	0.94	0.93
120°	8.48	4.24	12.86	87.3°	19.6°	1.00	1.00
135°	8.11	5.74	11.29	105.7°	13.4°	1.00	1.00
150°	7.70	6.66	9.79	127.7°	11.1°	1.00	1.00
165°	7.36	7.11	8.86	152.9°	9.1°	1.00	1.00
180°	7.23	7.23	8.55	180.0°	7.2°	1.00	1.00
180.0° (r)	7.23	7.23	8.55	180.0°	7.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.57	56.8°	28.0°	0.85	0.62
70°	-0.01	0.00	17.26	67.6°	28.0°	0.85	0.62
75°	-0.01	0.00	17.14	73.2°	28.0°	0.85	0.62
80°	-0.01	0.00	17.05	78.7°	28.0°	0.85	0.62
90°	-0.01	0.00	16.98	90.0°	28.0°	0.85	0.62
110°	8.62	2.95	16.92	83.2°	22.4°	0.85	0.88
120°	9.01	4.50	15.70	92.8°	22.1°	0.93	0.95
135°	9.02	6.38	14.27	110.2°	16.1°	1.00	1.00
150°	8.47	7.34	12.93	131.8°	12.1°	1.00	1.00
165°	8.06	7.78	12.08	155.5°	10.6°	1.00	1.00
180°	7.92	7.92	11.80	180.0°	7.7°	1.00	1.00
180.0° (r)	7.92	7.92	11.80	180.0°	7.7°	1.00	1.00