

# Asymmetric: 8001034-2 Sondre Grinde27 codezeroV3.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001034 Sondre G

Initial Design Date: 15/11/2024  
Boat:  
Grinde27 codezero  
Client:

Comments:

Design Data  
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Asymmetric

Measurements

Luff length (SLU):	11.450m	
Leech length (SLE):	10.385m	
Foot length (SFL):	7.335m	
Headboard Width:	0.015m	
Three-quarter width:	2.435m	Closest Pt: 2.091m
Half width (SHW):	4.496m	Closest Pt: 4.003m
Quarter width:	6.072m	Closest Pt: 5.579m
ORC Area:	46.071m <sup>2</sup>	
IRC Area:	45.887m <sup>2</sup>	
Surface Area:	44.653m <sup>2</sup>	
Hoist height:	11.400m	
J:	4.600m	

Luff Curve		Fanned Luff (@ 5.00% [0.352m])	Before BSeam
15.500m,	0.000m	100% (11.440m) :	0.000m -0.000m
11.625m,	0.000m	89% (10.236m) :	-0.068m 0.116m
7.750m,	0.000m	79% (9.048m) :	-0.135m 0.228m
3.875m,	0.000m	69% (7.885m) :	-0.187m 0.323m
0.000m,	0.000m	59% (6.736m) :	-0.211m 0.381m
		49% (5.597m) :	-0.204m 0.400m
		39% (4.467m) :	-0.186m 0.378m
		29% (3.344m) :	-0.154m 0.318m
		19% (2.225m) :	-0.111m 0.242m
		10% (1.111m) :	-0.057m 0.138m
		0% (0.000m) :	0.000m 0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	0.000%	40.000%	18.000?	0.679?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	13.611%	40.375%	15.750?	42.245?	-23.331?	0.206m	0.168m	0.136m	10.990%	10.338%
74.97%	17.607%	40.750%	13.500?	50.899?	-29.539?	0.370m	0.300m	0.220m	14.110%	13.265%
62.47%	19.323%	41.125%	11.250?	54.067?	-30.708?	0.416m	0.367m	0.251m	15.404%	14.432%
49.93%	19.032%	41.500%	9.000?	54.765?	-30.463?	0.397m	0.366m	0.250m	15.181%	14.208%
37.49%	17.947%	41.875%	6.750?	53.117?	-29.455?	0.331m	0.325m	0.219m	14.313%	13.444%
25.00%	16.299%	42.250%	4.500?	50.297?	-28.060?	0.241m	0.248m	0.164m	13.024%	12.319%
12.50%	14.879%	42.625%	2.250?	46.480?	-24.599?	0.135m	0.136m	0.090m	11.872%	11.257%
0.00%	11.851%	43.000%	0.000?	42.038?	-20.369?	0.000m	0.000m	0.000m	9.609%	9.084%

Chord Data

Luff : 11.4069m  
Leech : 10.0826m  
Foot : 7.0444m  
Headboard width : 0.0150m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0163m	0.0084m	0.0021m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	9.54
Radial/Vertical	140.56
Bi-Radial Split	10.91

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	32.79	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,2\1,2\2,2\3 2\4,2\5,2b\1,2b\2,2b\3 2b\4,2b\5,3\1,3\2,3\3 3\4,3b\1,3b\2,3b\3,3b\4
Material 2	11.95	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

