

Gaff Sail: 8000333 Geoffrey-2 Mizzen GaffV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000333 Geoffrey

Initial Design Date: 5/4/2024
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic:	6.030m
Leech Geodesic:	8.550m
Foot Geodesic:	5.800m
Head Geodesic:	4.650m
Diagonal Girth:	7.495m
Foot Median:	6.245m
Girth (50%-50%):	4.932m
Surface Area:	34.616m?

Luff Slides

- 1, Position: 0.453m
- 2, Position: 0.919m
- 3, Position: 1.385m
- 4, Position: 1.851m
- 5, Position: 2.316m
- 6, Position: 2.782m
- 7, Position: 3.248m
- 8, Position: 3.714m
- 9, Position: 4.179m
- 10, Position: 4.645m
- 11, Position: 5.111m
- 12, Position: 5.577m

Foot Slides

- 1, Position: 0.480m
- 2, Position: 0.964m
- 3, Position: 1.448m
- 4, Position: 1.932m
- 5, Position: 2.416m
- 6, Position: 2.900m
- 7, Position: 3.384m
- 8, Position: 3.868m
- 9, Position: 4.352m
- 10, Position: 4.836m
- 11, Position: 5.320m

Luff Curve

6.029m,	0.000m
4.522m,	-0.049m
3.015m,	-0.065m
1.507m,	-0.049m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.288m])

100% (10.068m) :	0.000m
90% (9.098m) :	0.426m
81% (8.111m) :	0.846m
71% (7.129m) :	1.250m
61% (6.141m) :	1.652m
50% (5.079m) :	1.596m
40% (4.056m) :	1.301m
30% (3.036m) :	0.993m
20% (2.021m) :	0.673m
10% (1.009m) :	0.340m
0% (0.000m) :	0.000m

Before BSeam

0.000m
0.488m
0.963m
1.412m
1.851m
1.787m
1.463m
1.120m
0.761m
0.385m
0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.038m	0.038m	0.038m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	27.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	34.46	1,2,3,4,5 6,7,8

