

Gaff Sail: 8000333 Geoffrey-3 Fore Gaff.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: 3/4/2024
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic: 7.800m
Leech Geodesic: 9.800m
Foot Geodesic: 6.600m
Head Geodesic: 5.950m
Diagonal Girth: 8.800m
Foot Median: 7.731m
Girth (50%-50%): 6.152m
Surface Area: 51.466m?

Luff Slides

- 1, Position: 0.430m
- 2, Position: 0.926m
- 3, Position: 1.421m
- 4, Position: 1.917m
- 5, Position: 2.413m
- 6, Position: 2.909m
- 7, Position: 3.404m
- 8, Position: 3.900m
- 9, Position: 4.396m
- 10, Position: 4.891m
- 11, Position: 5.387m
- 12, Position: 5.883m
- 13, Position: 6.379m
- 14, Position: 6.874m
- 15, Position: 7.370m

Foot Slides

- 1, Position: 0.479m
- 2, Position: 0.992m
- 3, Position: 1.505m
- 4, Position: 2.018m
- 5, Position: 2.531m
- 6, Position: 3.044m
- 7, Position: 3.556m
- 8, Position: 4.069m
- 9, Position: 4.582m
- 10, Position: 5.095m
- 11, Position: 5.608m
- 12, Position: 6.121m

Luff Curve

7.799m,	0.000m
5.849m,	-0.057m
3.900m,	-0.076m
1.950m,	-0.057m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.326m])

100% (12.677m) :	-0.000m	-0.000m
90% (11.469m) :	0.622m	0.741m
81% (10.235m) :	1.243m	1.468m
71% (9.013m) :	1.837m	2.141m
61% (7.782m) :	2.442m	2.789m
51% (6.422m) :	2.337m	2.658m
40% (5.128m) :	1.898m	2.172m
30% (3.838m) :	1.444m	1.656m
20% (2.554m) :	0.976m	1.121m
10% (1.275m) :	0.492m	0.567m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	39.45
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
8oz p	51.39	1,2,3,4,5 6,7,8,9

