

# Genoa: 8000333 Geoffrey-1 Fore Staysail.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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## Genoa

### Measurements

Luff geodesic:	8.600m
Leech geodesic:	6.500m
Foot geodesic:	5.300m
Headboard width:	0.065m
Luff perpendicular (HLP):	4.064m
Upper width (HUW):	0.495m
Three-quarter width (HTW):	0.954m
Half width (HHW):	1.929m
Quarter width (HQW):	2.971m
Foot median:	7.163m
ORC Headsail area:	17.060m?
IRC Headsail area:	17.028m?
Surface area:	16.952m?
Forestay height:	16.900m
J:	5.400m

### Luff Slides

- 1, Position: 0.700m
- 2, Position: 1.600m
- 3, Position: 2.500m
- 4, Position: 3.400m
- 5, Position: 4.300m
- 6, Position: 5.200m
- 7, Position: 6.100m
- 8, Position: 7.000m
- 9, Position: 7.900m

### Luff Curve

8.599m,	0.000m
6.449m,	0.041m
4.299m,	0.055m
2.150m,	0.041m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.240m])		Before BSeam
100% (8.599m) :	-0.000m	0.000m
90% (7.740m) :	-0.018m	0.012m
80% (6.879m) :	-0.038m	0.021m
70% (6.019m) :	-0.054m	0.028m
60% (5.159m) :	-0.062m	0.035m
50% (4.299m) :	-0.066m	0.040m
40% (3.439m) :	-0.064m	0.042m
30% (2.579m) :	-0.056m	0.042m
20% (1.720m) :	-0.042m	0.037m
10% (0.859m) :	-0.022m	0.023m
0% (0.000m) :	0.000m	0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.038m	0.030m
Zone: 2	0.000m	0.000m	0.038m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	11.32
Radial/Vertical	6.36
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
8oz p	17.00	1\1,1\2,1\3,1\4,1\5 2\1,2\2,2\3,2\4,2\5 2\6

