

Genoa: 7000112 George-1 j24 genoa.des

Design Info

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Design File:

C:\Users\Administrator\Desktop\0208\0208\7000112 George-1 j24 genoa.des

Initial Design Date: 8/2/2023

Boat:

J24

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	8.430m
Leech geodesic:	7.710m
Foot geodesic:	4.740m
Headboard width:	0.070m
Luff perpendicular (HLP):	4.357m
Upper width (HUW):	0.547m
Three-quarter width (HTW):	1.047m
Half width (HHW):	2.112m
Quarter width (HQW):	3.235m
Foot median:	8.028m
ORC Headsail area:	18.155m ²
IRC Headsail area:	18.090m ²
Surface area:	18.798m ²
Forestay height:	8.123m
J:	2.896m

Draft Stripes

1, Luff: 2.798m ; Leech: 2.281m ;
2, Luff: 5.666m ; Leech: 5.019m ;

Luff Slides

1, Position: 0.643m
2, Position: 1.284m
3, Position: 1.924m
4, Position: 2.565m
5, Position: 3.205m
6, Position: 3.846m
7, Position: 4.486m
8, Position: 5.127m
9, Position: 5.767m
10, Position: 6.408m
11, Position: 7.048m
12, Position: 7.689m
13, Position: 8.330m

Luff Curve

8.429m,	0.000m
6.735m,	0.036m
5.042m,	0.051m
3.358m,	0.046m
1.677m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.234m])

100% (8.429m) :	-0.000m	0.000m
90% (7.586m) :	-0.019m	0.020m
80% (6.744m) :	-0.037m	0.039m
70% (5.900m) :	-0.050m	0.056m
60% (5.057m) :	-0.056m	0.070m
50% (4.214m) :	-0.057m	0.079m
40% (3.372m) :	-0.054m	0.081m
30% (2.528m) :	-0.049m	0.072m
20% (1.686m) :	-0.038m	0.053m
10% (0.842m) :	-0.022m	0.027m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.015m	0.015m	0.050m
Zone: 2	0.015m	0.015m	0.050m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	13.44
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.85	1\1,1\2,1\3,1\4,2\1 2\2,2\3

