

Genoa: 7000338 Frode-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000338 Frode\7000338

Initial Design Date: 13/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.500m
Leech geodesic:	13.785m
Foot geodesic:	6.595m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.250m
Upper width (HUW):	0.696m
Three-quarter width (HTW):	1.390m
Half width (HHW):	2.897m
Quarter width (HQW):	4.537m
Foot median:	13.960m
ORC Headsail area:	43.553m?
IRC Headsail area:	43.452m?
Surface area:	43.832m?
Forestay height:	14.690m
J:	4.630m

Draft Stripes

1, Luff: 4.807m ; Leech: 4.392m ;
2, Luff: 9.606m ; Leech: 9.001m ;

Luff Curve

14.497m,	0.000m
13.292m,	0.049m
11.960m,	0.089m
10.787m,	0.109m
9.423m,	0.117m
7.214m,	0.103m
4.712m,	0.070m
2.450m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.325m])

100% (14.497m) :	0.000m	0.000m
90% (13.047m) :	-0.054m	0.001m
80% (11.600m) :	-0.094m	0.008m
70% (10.149m) :	-0.114m	0.018m
60% (8.699m) :	-0.117m	0.029m
50% (7.249m) :	-0.108m	0.040m
40% (5.799m) :	-0.090m	0.046m
30% (4.349m) :	-0.069m	0.046m
20% (2.900m) :	-0.047m	0.039m
10% (1.449m) :	-0.024m	0.024m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses			
Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	33.02
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	43.90	1,2,3,4,5 6,7,8,9,10 11

