

Genoa: 7001013 Stig Membrane HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001013 Stig\7001013

Initial Design Date: 21/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.650m
Leech geodesic:	11.550m
Foot geodesic:	4.200m
Headboard width:	0.033m
Luff perpendicular (HLP):	3.838m
Upper width (HUW):	0.419m
Three-quarter width (HTW):	0.828m
Half width (HHW):	1.736m
Quarter width (HQW):	2.752m
Foot median:	12.085m
ORC Headsail area:	23.053m?
IRC Headsail area:	22.997m?
Surface area:	23.259m?
Forestay height:	14.620m
J:	3.990m

Reefing Points

1, Luff: 1.992m ; Leech: 2.033m ; Offset: -0.075m ; Number Eyelets: 3

Draft Stripes

1, Luff: 1.269m ; Leech: 0.507m ;
2, Luff: 4.187m ; Leech: 3.344m ;
3, Luff: 8.369m ; Leech: 7.373m ;

Luff Slides

1, Position: 0.970m
2, Position: 1.944m
3, Position: 2.917m
4, Position: 3.891m
5, Position: 4.865m
6, Position: 5.838m
7, Position: 6.812m
8, Position: 7.785m
9, Position: 8.759m
10, Position: 9.733m
11, Position: 10.706m
12, Position: 11.680m

Luff Curve

12.649m,	0.000m
11.598m,	0.032m
10.435m,	0.058m
9.412m,	0.071m
8.222m,	0.076m
6.294m,	0.067m
4.111m,	0.045m
2.138m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.205m])

100% (12.649m) :	-0.000m
90% (11.384m) :	-0.035m
80% (10.120m) :	-0.060m
70% (8.855m) :	-0.073m
60% (7.590m) :	-0.076m
50% (6.325m) :	-0.071m
40% (5.060m) :	-0.061m
30% (3.795m) :	-0.047m
20% (2.530m) :	-0.033m
10% (1.264m) :	-0.017m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.006m
-0.005m
0.002m
0.012m
0.021m
0.027m
0.028m
0.025m
0.016m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.060m	0.060m	0.060m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	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	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	6.86
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.44	1,2,3,4

