

Genoa: 7001013 Stig Membrane Headsail.des

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

Initial Design Date: 21/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.700m
Leech geodesic:	11.550m
Foot geodesic:	4.200m
Headboard width:	0.033m
Luff perpendicular (HLP):	3.819m
Upper width (HUW):	0.421m
Three-quarter width (HTW):	0.829m
Half width (HHW):	1.735m
Quarter width (HQW):	2.744m
Foot median:	12.050m
ORC Headsail area:	23.087m?
IRC Headsail area:	23.031m?
Surface area:	23.139m?
Forestay height:	14.620m
J:	3.990m

Reefing Points

1, Luff: 2.000m ; Leech: 2.000m ; Offset: -0.075m ; Number Eyelets: 3

Draft Stripes

1, Luff: 4.203m ; Leech: 3.315m ;
2, Luff: 8.402m ; Leech: 7.362m ;

Luff Curve

12.699m,	0.000m
11.643m,	0.032m
10.476m,	0.058m
9.449m,	0.071m
8.254m,	0.076m
6.319m,	0.067m
4.127m,	0.045m
2.146m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.205m])

100% (12.699m) :	0.000m	-0.000m
90% (11.429m) :	-0.034m	-0.006m
80% (10.160m) :	-0.059m	-0.006m
70% (8.890m) :	-0.072m	-0.000m
60% (7.620m) :	-0.075m	0.009m
50% (6.350m) :	-0.070m	0.019m
40% (5.080m) :	-0.059m	0.025m
30% (3.810m) :	-0.047m	0.027m
20% (2.540m) :	-0.032m	0.025m
10% (1.269m) :	-0.017m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.060m	0.060m	0.060m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	8.55
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.26	1,2,3,4,5

