

Genoa: 8000916 Thomas Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000916 Thomas

Initial Design Date: 13/9/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	9.650m
Leech geodesic:	8.733m
Foot geodesic:	4.336m
Headboard width:	0.032m
Luff perpendicular (HLP):	3.949m
Upper width (HUW):	0.450m
Three-quarter width (HTW):	0.887m
Half width (HHW):	1.846m
Quarter width (HQW):	2.871m
Foot median:	9.066m
ORC Headsail area:	18.387m?
IRC Headsail area:	18.355m?
Surface area:	18.578m?
Forestay height:	10.330m
J:	3.590m

Draft Stripes

- 1, Luff: 3.197m ; Leech: 2.568m ;
- 2, Luff: 6.389m ; Leech: 5.594m ;

Luff Curve

9.649m,	0.000m
8.847m,	0.024m
7.960m,	0.044m
7.180m,	0.054m
6.272m,	0.058m
4.802m,	0.051m
3.136m,	0.034m
1.631m,	0.017m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.214m])

100% (9.649m) :	-0.000m	0.000m
90% (8.684m) :	-0.025m	0.002m
80% (7.720m) :	-0.045m	0.007m
70% (6.755m) :	-0.056m	0.014m
60% (5.790m) :	-0.058m	0.023m
50% (4.825m) :	-0.055m	0.031m
40% (3.860m) :	-0.047m	0.034m
30% (2.895m) :	-0.038m	0.033m
20% (1.930m) :	-0.027m	0.026m
10% (0.964m) :	-0.014m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	14.54
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.59	1,2,3,4,5 6,7,8

