

# Genoa: 7001018 Stephanie Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001018 Stephanie

Initial Design Date: 3/11/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 13.720m  
Leech geodesic: 12.800m  
Foot geodesic: 6.137m  
Headboard width: 0.033m  
Luff perpendicular (HLP): 5.750m  
Upper width (HUW): 0.633m  
Three-quarter width (HTW): 1.271m  
Half width (HHW): 2.667m  
Quarter width (HQW): 4.188m  
Foot median: 13.098m  
ORC Headsail area: 37.932m?  
IRC Headsail area: 37.799m?  
Surface area: 38.253m?  
Forestay height: 14.350m  
J: 4.290m

### Draft Stripes

1, Luff: 3.445m ; Leech: 2.802m ;  
2, Luff: 6.888m ; Leech: 6.147m ;  
3, Luff: 10.319m ; Leech: 9.449m ;

### Luff Curve

13.717m, 0.000m  
12.577m, 0.046m  
11.317m, 0.083m  
10.207m, 0.103m  
8.917m, 0.110m  
6.826m, 0.096m  
4.458m, 0.065m  
2.319m, 0.033m  
0.000m, 0.000m

### Fanned Luff (@ 5.00% [0.298m])

100% (13.718m) : 0.000m  
90% (12.345m) : -0.053m  
80% (10.976m) : -0.090m  
70% (9.603m) : -0.108m  
60% (8.231m) : -0.109m  
50% (6.859m) : -0.099m  
40% (5.487m) : -0.083m  
30% (4.115m) : -0.063m  
20% (2.744m) : -0.043m  
10% (1.371m) : -0.022m  
0% (0.000m) : 0.000m

### Before BSeam

0.000m  
-0.011m  
-0.009m  
0.003m  
0.021m  
0.040m  
0.053m  
0.058m  
0.051m  
0.031m  
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
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	29.98
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	38.31	1,2,3,4,5 6,7,8,9,10 11

