

Genoa: 7000114 Elliott headsail.des

Design Info
=====

Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000114 ELLIOTT

Initial Design Date: 31/1/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	9.027m
Leech geodesic:	9.297m
Foot geodesic:	5.996m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.787m
Upper width (HUW):	0.675m
Three-quarter width (HTW):	1.346m
Half width (HHW):	2.767m
Quarter width (HQW):	4.263m
Foot median:	8.893m
ORC Headsail area:	25.522m?
IRC Headsail area:	25.467m?
Surface area:	25.868m?
Forestay height:	12.674m
J:	3.734m

Draft Stripes

1, Luff: 2.992m ; Leech: 3.087m ;
2, Luff: 5.979m ; Leech: 6.141m ;

Luff Curve

9.025m,	0.000m
8.275m,	0.031m
7.446m,	0.055m
6.716m,	0.068m
5.867m,	0.073m
4.491m,	0.064m
2.933m,	0.043m
1.526m,	0.022m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.295m])

100% (9.026m) :	0.000m	0.000m
90% (8.122m) :	-0.030m	0.012m
80% (7.222m) :	-0.054m	0.024m
70% (6.318m) :	-0.066m	0.037m
60% (5.416m) :	-0.068m	0.049m
50% (4.513m) :	-0.063m	0.058m
40% (3.610m) :	-0.052m	0.059m
30% (2.708m) :	-0.040m	0.052m
20% (1.805m) :	-0.026m	0.041m
10% (0.902m) :	-0.013m	0.024m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

Genoa: 7000114 Elliott headsail.des

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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	22.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	25.94	1,2,3,4,5 6,7,8

