

Genoa: 8000710 Gordon Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000710 Gordon h

Initial Design Date: 25/7/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.742m
Leech geodesic:	11.226m
Foot geodesic:	6.096m
Headboard width:	0.050m
Luff perpendicular (HLP):	5.774m
Upper width (HUW):	0.640m
Three-quarter width (HTW):	1.282m
Half width (HHW):	2.708m
Quarter width (HQW):	4.227m
Foot median:	11.255m
ORC Headsail area:	32.761m?
IRC Headsail area:	32.634m?
Surface area:	33.026m?
Forestay height:	12.192m
J:	6.645m

Draft Stripes

1, Luff: 2.959m ; Leech: 3.449m ;
2, Luff: 5.916m ; Leech: 6.021m ;
3, Luff: 8.853m ; Leech: 8.578m ;

Luff Curve

11.739m,	0.000m
10.764m,	0.040m
9.685m,	0.072m
8.735m,	0.089m
7.631m,	0.095m
5.842m,	0.083m
3.815m,	0.057m
1.984m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.297m])

100% (11.740m) :	-0.000m
90% (10.562m) :	-0.048m
80% (9.395m) :	-0.079m
70% (8.218m) :	-0.093m
60% (7.045m) :	-0.093m
50% (5.870m) :	-0.083m
40% (4.696m) :	-0.069m
30% (3.522m) :	-0.052m
20% (2.349m) :	-0.035m
10% (1.172m) :	-0.019m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.016m
-0.017m
-0.002m
0.019m
0.039m
0.055m
0.061m
0.052m
0.027m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	30.63
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	33.08	1,2,3,4,5 6,7,8,9,10

