

Genoa: 8000232 Chris Corrabee 21 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000232 Chris Cor

Initial Design Date: 2/3/2024
Boat:
Corrabee 21
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 5.940m
Leech geodesic: 5.550m
Foot geodesic: 3.500m
Headboard width: 0.030m
Luff perpendicular (HLP): 3.236m
Upper width (HUW): 0.387m
Three-quarter width (HTW): 0.761m
Half width (HHW): 1.552m
Quarter width (HQW): 2.385m
Foot median: 5.588m
ORC Headsail area: 9.420m?
IRC Headsail area: 9.398m?
Surface area: 9.528m?
Forestay height: 7.200m
J: 2.900m

Draft Stripes

1, Luff: 2.987m ; Leech: 2.714m ;

Luff Curve

5.939m, 0.000m
5.445m, 0.020m
4.899m, 0.036m
4.419m, 0.045m
3.860m, 0.048m
2.955m, 0.042m
1.930m, 0.029m
1.004m, 0.014m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.172m])

100% (5.939m) : -0.000m
90% (5.345m) : -0.022m
80% (4.752m) : -0.039m
70% (4.157m) : -0.048m
60% (3.564m) : -0.049m
50% (2.970m) : -0.045m
40% (2.376m) : -0.038m
30% (1.782m) : -0.029m
20% (1.188m) : -0.020m
10% (0.593m) : -0.010m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.007m
0.015m
0.023m
0.029m
0.034m
0.036m
0.033m
0.026m
0.015m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	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

	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	7.72
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	9.55	1,2,3,4,5

