

Genoa: 8000528 Binne-2 Etap 22i Headsail tri-radialV2.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000528 Binne Etap

Initial Design Date: 6/6/2024

Boat:

Etap 22i

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	6.435m
Leech geodesic:	5.950m
Foot geodesic:	3.000m
Headboard width:	0.050m
Luff perpendicular (HLP):	2.783m
Upper width (HUW):	0.328m
Three-quarter width (HTW):	0.629m
Half width (HHW):	1.317m
Quarter width (HQW):	2.038m
Foot median:	6.106m
ORC Headsail area:	8.707m ²
IRC Headsail area:	8.678m ²
Surface area:	8.800m ²
Forestay height:	6.650m
J:	2.200m

Draft Stripes

1, Luff: 2.134m ; Leech: 1.798m ;
2, Luff: 4.263m ; Leech: 3.832m ;

Luff Slides

1, Position: 0.516m
2, Position: 1.303m
3, Position: 2.089m
4, Position: 2.876m
5, Position: 3.662m
6, Position: 4.449m
7, Position: 5.236m
8, Position: 6.022m

Luff Curve

6.434m,	0.000m
5.899m,	0.021m
5.308m,	0.039m
4.787m,	0.048m
4.182m,	0.051m
3.202m,	0.045m
2.091m,	0.030m
1.087m,	0.015m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.147m])

100% (6.434m) :	0.000m	-0.000m
90% (5.790m) :	-0.024m	-0.008m
80% (5.148m) :	-0.045m	-0.012m
70% (4.504m) :	-0.052m	-0.004m
60% (3.861m) :	-0.051m	0.009m
50% (3.217m) :	-0.046m	0.020m
40% (2.574m) :	-0.039m	0.025m
30% (1.930m) :	-0.030m	0.026m
20% (1.287m) :	-0.020m	0.021m
10% (0.643m) :	-0.010m	0.011m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	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	3.13
Radial/Vertical	36.38
Bi-Radial Split	4.02

Materials

Material	Area (m ²)	Panels
Material 1	8.82	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4

