

# Genoa: 8000320 Bernardo -2 HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000320 Bernardo

Initial Design Date: 5/4/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	13.860m
Leech geodesic:	13.294m
Foot geodesic:	5.862m
Headboard width:	0.080m
Luff perpendicular (HLP):	5.580m
Upper width (HUW):	0.720m
Three-quarter width (HTW):	1.390m
Half width (HHW):	2.750m
Quarter width (HQW):	4.140m
Foot median:	13.435m
ORC Headsail area:	38.499m?
IRC Headsail area:	38.491m?
Surface area:	38.938m?
Forestay height:	14.140m
J:	3.990m

### Draft Stripes

- 1, Luff: 3.500m ; Leech: 3.157m ;
- 2, Luff: 6.967m ; Leech: 6.524m ;
- 3, Luff: 10.416m ; Leech: 9.874m ;

### Luff Curve

13.856m,	0.000m
11.087m,	0.069m
8.315m,	0.123m
5.543m,	0.137m
2.772m,	0.104m
1.386m,	0.058m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.288m])

100% (13.856m) :	-0.000m
90% (12.469m) :	-0.043m
80% (11.086m) :	-0.077m
70% (9.699m) :	-0.106m
60% (8.314m) :	-0.127m
50% (6.928m) :	-0.138m
40% (5.542m) :	-0.140m
30% (4.155m) :	-0.132m
20% (2.771m) :	-0.109m
10% (1.381m) :	-0.063m
0% (0.000m) :	0.000m

### Before BSeam

-0.000m
-0.011m
-0.010m
-0.005m
-0.000m
0.005m
0.008m
0.008m
0.003m
-0.003m
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.016m	0.035m
Zone: 1/b	0.035m	0.016m	0.035m
Zone: 2/a	0.035m	0.016m	0.035m
Zone: 2/b	0.035m	0.016m	0.035m
Zone: 3	0.035m	0.016m	0.035m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.88
Radial/Vertical	145.12
Bi-Radial Split	9.20

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	39.01	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6

