

# Genoa: 8000320 Bernardo -2 Headsail.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: 27/3/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	13.760m
Leech geodesic:	13.214m
Foot geodesic:	5.823m
Headboard width:	0.045m
Luff perpendicular (HLP):	5.580m
Upper width (HUW):	0.603m
Three-quarter width (HTW):	1.199m
Half width (HHW):	2.567m
Quarter width (HQW):	4.047m
Foot median:	13.336m
ORC Headsail area:	36.708m?
IRC Headsail area:	36.568m?
Surface area:	36.831m?
Forestay height:	14.140m
J:	3.990m

### Draft Stripes

- 1, Luff: 3.454m ; Leech: 3.154m ;
- 2, Luff: 6.907m ; Leech: 6.515m ;
- 3, Luff: 10.347m ; Leech: 9.834m ;

### Luff Curve

13.757m,	0.000m
12.614m,	0.047m
11.350m,	0.084m
10.237m,	0.104m
8.943m,	0.111m
6.846m,	0.098m
4.471m,	0.066m
2.325m,	0.033m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.286m])

100% (13.757m) :	0.000m	-0.000m
90% (12.381m) :	-0.052m	-0.020m
80% (11.008m) :	-0.096m	-0.031m
70% (9.631m) :	-0.113m	-0.017m
60% (8.255m) :	-0.112m	0.009m
50% (6.879m) :	-0.100m	0.030m
40% (5.503m) :	-0.084m	0.043m
30% (4.127m) :	-0.064m	0.051m
20% (2.752m) :	-0.044m	0.046m
10% (1.375m) :	-0.024m	0.026m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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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	5.52
Radial/Vertical	144.13
Bi-Radial Split	9.13

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.91	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

