

# Genoa: 7001224 Bruce-2 Beneteau First310 HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001224 Bruce\700

Initial Design Date: 14/5/2018  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	10.540m
Leech geodesic:	9.821m
Foot geodesic:	4.412m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.125m
Upper width (HUW):	0.465m
Three-quarter width (HTW):	0.917m
Half width (HHW):	1.905m
Quarter width (HQW):	2.988m
Foot median:	10.076m
ORC Headsail area:	20.873m?
IRC Headsail area:	20.823m?
Surface area:	21.016m?
Forestay height:	11.290m
J:	3.300m

### Draft Stripes

1, Luff: 3.495m ; Leech: 3.055m ;  
2, Luff: 6.984m ; Leech: 6.372m ;

### Luff Curve

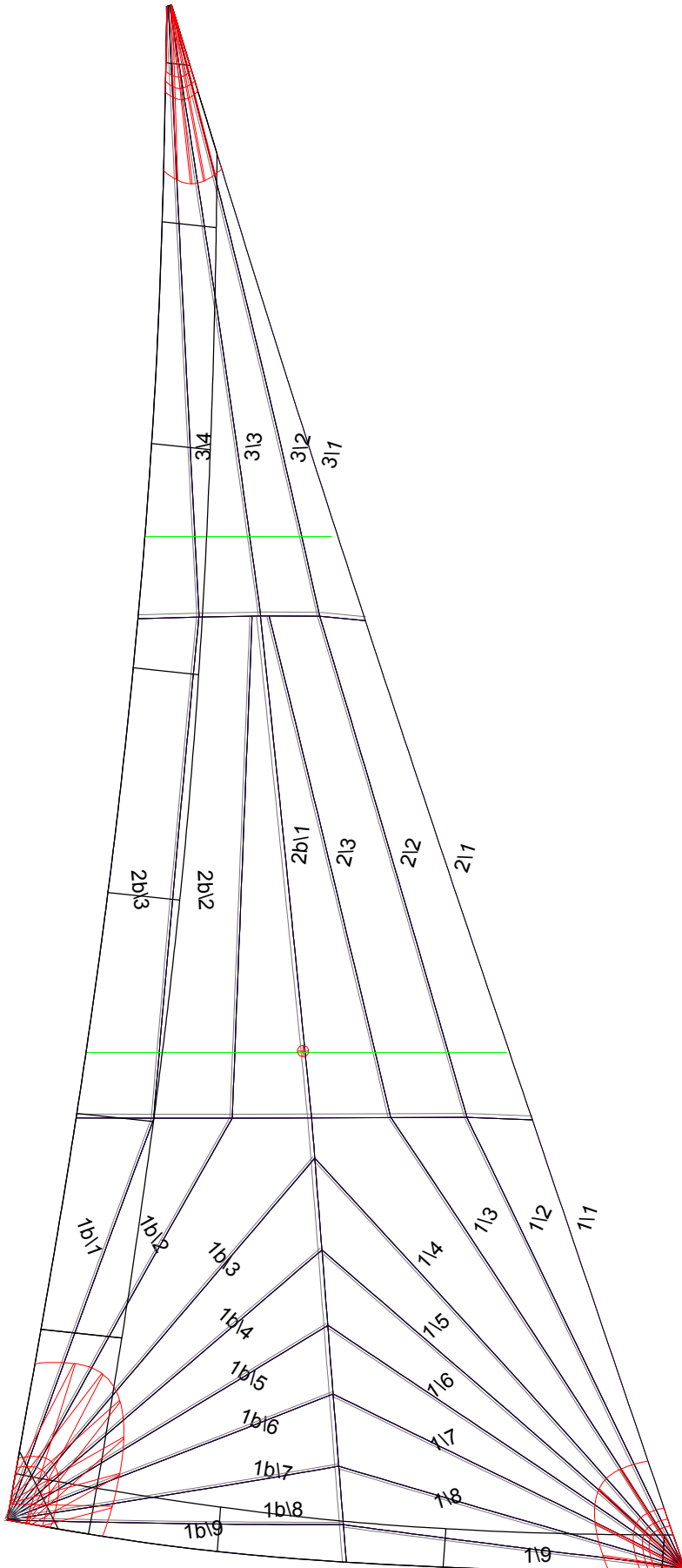
10.538m,	0.000m
9.662m,	0.036m
8.694m,	0.066m
7.841m,	0.081m
6.850m,	0.087m
5.244m,	0.076m
3.425m,	0.052m
1.781m,	0.026m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.217m])

100% (10.538m) :	-0.000m	-0.000m
90% (9.484m) :	-0.041m	-0.003m
80% (8.432m) :	-0.070m	-0.001m
70% (7.377m) :	-0.085m	0.005m
60% (6.323m) :	-0.087m	0.013m
50% (5.269m) :	-0.080m	0.021m
40% (4.216m) :	-0.067m	0.026m
30% (3.161m) :	-0.051m	0.027m
20% (2.108m) :	-0.034m	0.024m
10% (1.053m) :	-0.017m	0.015m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.63
Radial/Vertical	69.28
Bi-Radial Split	6.26

## Materials

Material	Area (m <sup>2</sup> )	Panels
6oz p	21.04	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,2\1,2\2 2\3,2b\1,2b\2,2b\3,3\1 3\2,3\3,3\4