

# Genoa: 8000307 Chris Abbott 33 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000307 Chris Abbott

Initial Design Date: 12/3/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	10.500m
Leech geodesic:	10.300m
Foot geodesic:	5.250m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.060m
Upper width (HUW):	0.575m
Three-quarter width (HTW):	1.148m
Half width (HHW):	2.386m
Quarter width (HQW):	3.714m
Foot median:	10.403m
ORC Headsail area:	25.782m <sup>2</sup>
IRC Headsail area:	25.690m <sup>2</sup>
Surface area:	26.551m <sup>2</sup>
Forestay height:	10.970m
J:	3.510m

### Draft Stripes

- 1, Luff: 3.481m ; Leech: 3.482m ;
- 2, Luff: 6.956m ; Leech: 6.830m ;

### Luff Curve

10.498m,	0.000m
9.626m,	0.036m
8.661m,	0.064m
7.812m,	0.079m
6.824m,	0.085m
5.224m,	0.074m
3.412m,	0.051m
1.774m,	0.025m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.256m])

100% (10.498m) :	0.000m
90% (9.447m) :	-0.040m
80% (8.400m) :	-0.069m
70% (7.349m) :	-0.083m
60% (6.300m) :	-0.084m
50% (5.249m) :	-0.076m
40% (4.200m) :	-0.064m
30% (3.149m) :	-0.049m
20% (2.100m) :	-0.033m
10% (1.049m) :	-0.017m
0% (0.000m) :	-0.000m

### Before BSeam

0.000m
-0.006m
-0.003m
0.008m
0.023m
0.038m
0.048m
0.050m
0.042m
0.024m
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.032m	0.016m	0.040m
Zone: 1/b	0.032m	0.016m	0.040m
Zone: 2/a	0.032m	0.016m	0.040m
Zone: 2/b	0.032m	0.016m	0.040m
Zone: 3	0.032m	0.016m	0.040m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.33
Radial/Vertical	114.55
Bi-Radial Split	7.08

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	26.59	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

