

# Genoa: 8000231 Peter Racing headsailV2.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000231 Peter head

Initial Design Date: 21/3/2024  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic: 11.278m  
Leech geodesic: 11.151m  
Foot geodesic: 6.425m  
Headboard width: 0.055m  
Luff perpendicular (HLP): 6.194m  
Upper width (HUW): 0.735m  
Three-quarter width (HTW): 1.438m  
Half width (HHW): 2.957m  
Quarter width (HQW): 4.568m  
Foot median: 11.105m  
ORC Headsail area: 34.154m?  
IRC Headsail area: 34.044m?  
Surface area: 35.250m?  
Forestay height: 11.887m  
J: 3.859m

## Draft Stripes

1, Luff: 2.834m ; Leech: 2.839m ;  
2, Luff: 5.660m ; Leech: 5.622m ;  
3, Luff: 8.475m ; Leech: 8.349m ;

## Luff Curve

11.276m, 0.000m  
9.015m, 0.048m  
6.755m, 0.066m  
4.500m, 0.060m  
2.248m, 0.038m  
0.000m, 0.000m

## Fanned Luff (@ 5.00% [0.311m])

100% (11.277m) : 0.000m  
90% (10.149m) : -0.022m  
80% (9.022m) : -0.044m  
70% (7.894m) : -0.059m  
60% (6.766m) : -0.066m  
50% (5.638m) : -0.066m  
40% (4.511m) : -0.063m  
30% (3.383m) : -0.056m  
20% (2.256m) : -0.042m  
10% (1.126m) : -0.023m  
0% (0.000m) : -0.000m

## Before BSeam

0.000m  
0.022m  
0.043m  
0.066m  
0.087m  
0.102m  
0.107m  
0.099m  
0.079m  
0.046m  
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.030m
Zone: 1/b	0.030m	0.016m	0.030m
Zone: 2/a	0.030m	0.016m	0.030m
Zone: 2/b	0.030m	0.016m	0.030m
Zone: 3	0.030m	0.016m	0.030m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	6.26
Radial/Vertical	130.44
Bi-Radial Split	7.72

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	35.18	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

