

Genoa: 8000433 Peter Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000433 Peter head

Initial Design Date: 3/5/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.712m
Leech geodesic:	10.226m
Foot geodesic:	5.334m
Headboard width:	0.050m
Luff perpendicular (HLP):	5.080m
Upper width (HUW):	0.594m
Three-quarter width (HTW):	1.156m
Half width (HHW):	2.399m
Quarter width (HQW):	3.723m
Foot median:	10.320m
ORC Headsail area:	26.439m?
IRC Headsail area:	26.359m?
Surface area:	26.847m?
Forestay height:	11.784m
J:	3.606m

Draft Stripes

- 1, Luff: 3.551m ; Leech: 3.217m ;
- 2, Luff: 7.095m ; Leech: 6.655m ;

Luff Curve

10.710m,	0.000m
9.820m,	0.036m
8.836m,	0.066m
7.969m,	0.081m
6.962m,	0.087m
5.330m,	0.076m
3.481m,	0.052m
1.810m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.258m])

100% (10.710m) :	0.000m	0.000m
90% (9.639m) :	-0.034m	0.007m
80% (8.569m) :	-0.066m	0.015m
70% (7.498m) :	-0.085m	0.031m
60% (6.427m) :	-0.086m	0.052m
50% (5.355m) :	-0.077m	0.071m
40% (4.284m) :	-0.065m	0.081m
30% (3.213m) :	-0.051m	0.080m
20% (2.142m) :	-0.035m	0.066m
10% (1.070m) :	-0.019m	0.039m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	23.96
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.81	1,2,3,4,5 6,7,8,9

