

Genoa: 8000609 Vincent Headsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000609 Vincent h

Initial Design Date: 13/6/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	12.623m
Leech geodesic:	11.422m
Foot geodesic:	5.867m
Headboard width:	0.050m
Luff perpendicular (HLP):	5.345m
Upper width (HUW):	0.594m
Three-quarter width (HTW):	1.175m
Half width (HHW):	2.504m
Quarter width (HQW):	3.901m
Foot median:	11.847m
ORC Headsail area:	32.543m?
IRC Headsail area:	32.439m?
Surface area:	32.863m?
Forestay height:	13.850m
J:	3.959m

Draft Stripes

- 1, Luff: 3.169m ; Leech: 2.117m ;
- 2, Luff: 6.337m ; Leech: 5.232m ;
- 3, Luff: 9.493m ; Leech: 8.297m ;

Luff Curve

12.621m,	0.000m
11.572m,	0.043m
10.412m,	0.077m
9.391m,	0.095m
8.204m,	0.102m
6.281m,	0.090m
4.102m,	0.061m
2.133m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.284m])

100% (12.621m) :	-0.000m	0.000m
90% (11.359m) :	-0.050m	-0.017m
80% (10.098m) :	-0.091m	-0.026m
70% (8.835m) :	-0.108m	-0.010m
60% (7.573m) :	-0.106m	0.017m
50% (6.311m) :	-0.095m	0.038m
40% (5.049m) :	-0.079m	0.049m
30% (3.786m) :	-0.060m	0.050m
20% (2.525m) :	-0.040m	0.041m
10% (1.262m) :	-0.020m	0.022m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 8000609 Vincent Headsail.des

Seam Allowances			
Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.100m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.100m	0.070m

Total Seam Lengths (m)

Horizontal	25.55
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	32.95	1,2,3,4,5 6,7,8,9,10

