

# Genoa: 8000431 Ole Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000431 Ole head

Initial Design Date: 14/5/2024  
Boat:

Comments:

Client:

Design Data  
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Genoa

Measurements

Luff geodesic:	13.266m
Leech geodesic:	12.195m
Foot geodesic:	8.544m
Headboard width:	0.045m
Luff perpendicular (HLP):	7.763m
Upper width (HUW):	0.876m
Three-quarter width (HTW):	1.750m
Half width (HHW):	3.687m
Quarter width (HQW):	5.703m
Foot median:	12.337m
ORC Headsail area:	50.029m?
IRC Headsail area:	49.894m?
Surface area:	51.291m?
Forestay height:	13.500m
J:	5.750m

Luff Curve

13.263m,	0.000m
12.161m,	0.045m
10.942m,	0.081m
9.869m,	0.100m
8.621m,	0.107m
6.600m,	0.094m
4.311m,	0.064m
2.242m,	0.032m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.419m])

100% (13.263m) :	-0.000m	-0.000m
90% (11.935m) :	-0.052m	-0.007m
80% (10.613m) :	-0.096m	-0.005m
70% (9.285m) :	-0.113m	0.022m
60% (7.959m) :	-0.110m	0.057m
50% (6.632m) :	-0.098m	0.080m
40% (5.306m) :	-0.081m	0.090m
30% (3.979m) :	-0.061m	0.088m
20% (2.653m) :	-0.041m	0.072m
10% (1.325m) :	-0.022m	0.041m
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	0.040m
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	39.93
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	51.21	10,9,8,7,6 5,4,3,2,1

