

# Genoa: 8001010 Graham Traditional 30 headsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001010 Graham

Initial Design Date: 26/11/2024  
Boat:  
Traditional 30  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	9.810m
Leech geodesic:	9.675m
Foot geodesic:	5.820m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.565m
Upper width (HUW):	0.654m
Three-quarter width (HTW):	1.302m
Half width (HHW):	2.684m
Quarter width (HQW):	4.117m
Foot median:	9.547m
ORC Headsail area:	26.784m?
IRC Headsail area:	26.719m?
Surface area:	27.262m?
Forestay height:	10.300m
J:	3.240m

### Draft Stripes

1, Luff: 3.252m ; Leech: 3.146m ;  
2, Luff: 6.492m ; Leech: 6.357m ;

### Luff Curve

9.809m,	0.000m
7.842m,	0.041m
5.876m,	0.057m
3.914m,	0.052m
1.955m,	0.033m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.284m])

100% (9.809m) :	0.000m	0.000m
90% (8.827m) :	-0.021m	0.015m
80% (7.848m) :	-0.040m	0.029m
70% (6.866m) :	-0.053m	0.043m
60% (5.886m) :	-0.058m	0.058m
50% (4.905m) :	-0.058m	0.068m
40% (3.924m) :	-0.054m	0.071m
30% (2.942m) :	-0.047m	0.066m
20% (1.962m) :	-0.035m	0.051m
10% (0.980m) :	-0.019m	0.028m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	23.51
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.31	1,2,3,4,5 6,7,8

