

# Genoa: 7000406 Manuel HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000406 Manuel\700

Initial Design Date: 19/4/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	10.395m
Leech geodesic:	9.900m
Foot geodesic:	3.600m
Headboard width:	0.033m
Luff perpendicular (HLP):	3.434m
Upper width (HUW):	0.375m
Three-quarter width (HTW):	0.738m
Half width (HHW):	1.550m
Quarter width (HQW):	2.459m
Foot median:	10.097m
ORC Headsail area:	16.934m?
IRC Headsail area:	16.892m?
Surface area:	16.985m?
Forestay height:	10.670m
J:	3.200m

## Draft Stripes

1, Luff: 3.445m ; Leech: 3.208m ;  
2, Luff: 6.885m ; Leech: 6.493m ;

## Luff Curve

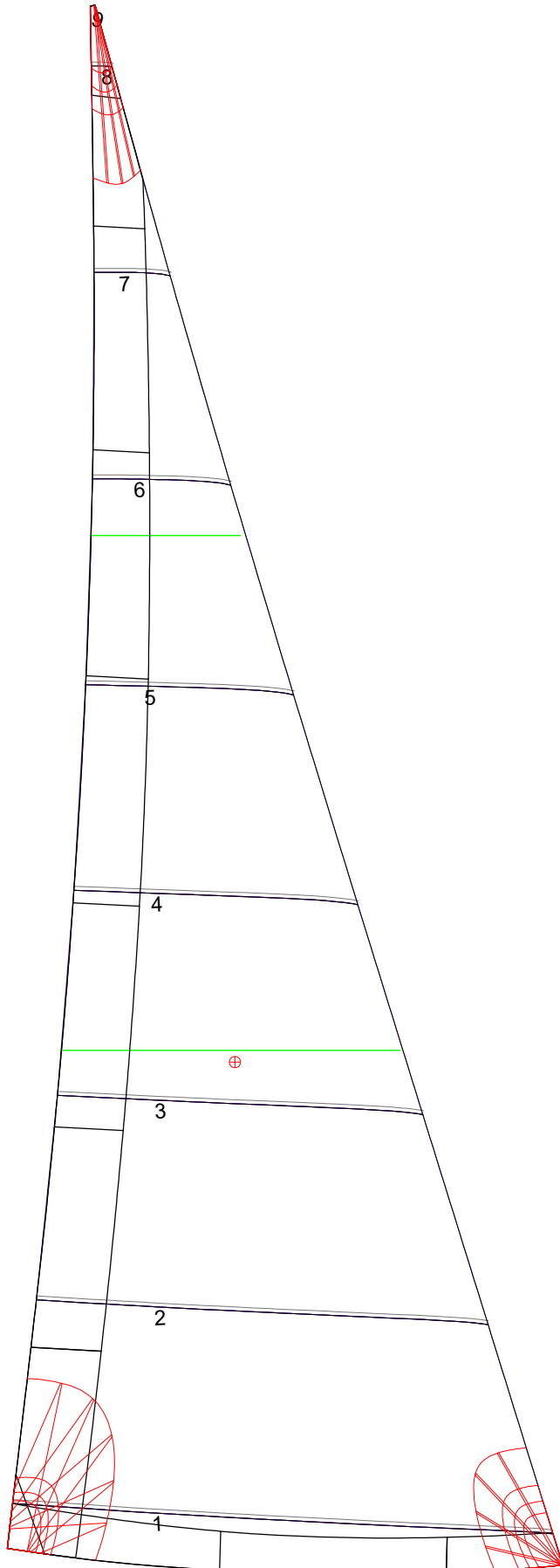
10.393m,	0.000m
9.529m,	0.035m
8.574m,	0.064m
7.733m,	0.078m
6.756m,	0.084m
5.172m,	0.074m
3.378m,	0.050m
1.757m,	0.025m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.177m])

100% (10.393m) :	0.000m	0.000m
90% (9.353m) :	-0.038m	-0.012m
80% (8.316m) :	-0.066m	-0.017m
70% (7.276m) :	-0.079m	-0.015m
60% (6.237m) :	-0.081m	-0.010m
50% (5.197m) :	-0.074m	-0.002m
40% (4.158m) :	-0.061m	0.005m
30% (3.118m) :	-0.046m	0.009m
20% (2.079m) :	-0.031m	0.011m
10% (1.039m) :	-0.015m	0.009m
0% (0.000m) :	-0.000m	0.000m

## Before BSeam

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## Seam Allowances

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

Sail:	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	13.88
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	17.04	1,2,3,4,5 6,7,8,9