

# Genoa: 8000432 Franklin-1 Marples CC37 HeadsailV3.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000432 Franklin 1

Initial Design Date: 21/5/2024  
Boat:  
Marples CC37

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	12.970m
Leech geodesic:	12.458m
Foot geodesic:	4.763m
Headboard width:	0.050m
Luff perpendicular (HLP):	4.572m
Upper width (HUW):	0.507m
Three-quarter width (HTW):	0.993m
Half width (HHW):	2.082m
Quarter width (HQW):	3.292m
Foot median:	12.630m
ORC Headsail area:	28.274m <sup>2</sup>
IRC Headsail area:	28.187m <sup>2</sup>
Surface area:	28.338m <sup>2</sup>
Forestay height:	13.462m
J:	4.572m

## Draft Stripes

1, Luff: 4.302m ; Leech: 4.206m ;  
2, Luff: 8.596m ; Leech: 8.253m ;

## Luff Curve

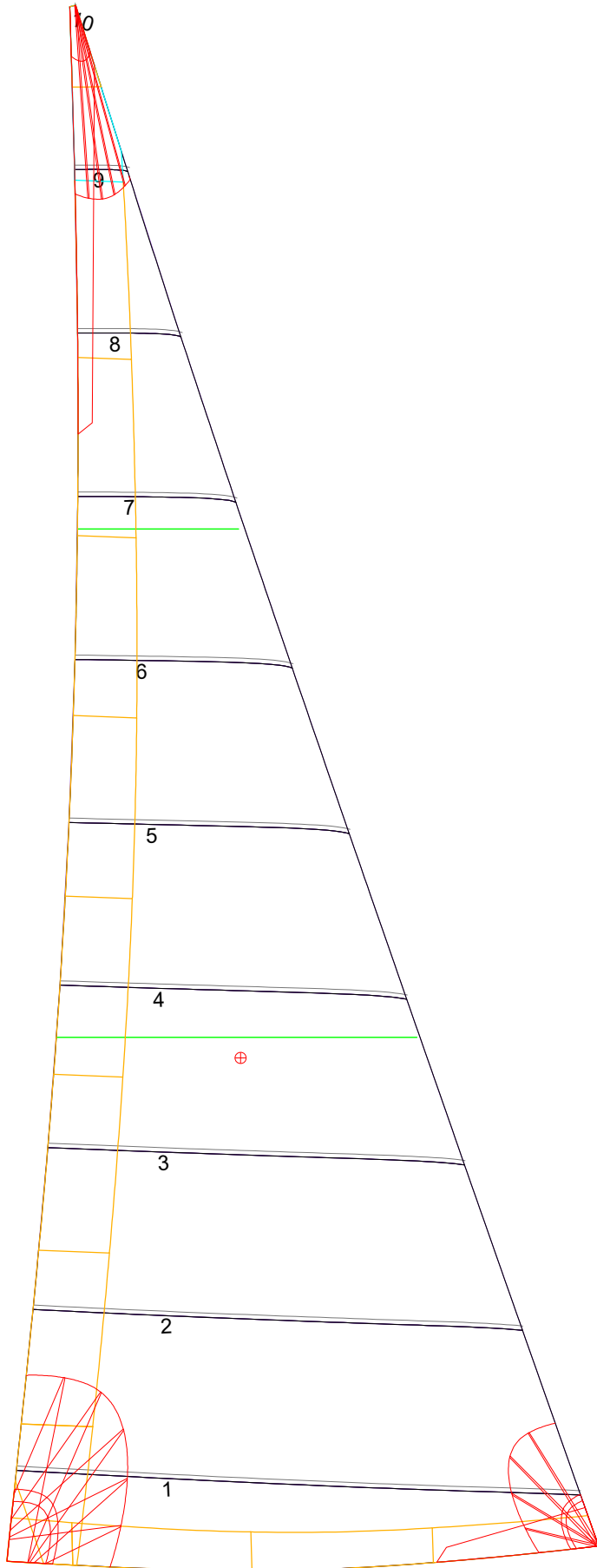
12.967m,	0.000m
11.890m,	0.046m
10.698m,	0.083m
9.649m,	0.102m
8.429m,	0.110m
6.453m,	0.096m
4.214m,	0.065m
2.192m,	0.033m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.236m])

100% (12.968m) :	0.000m	-0.000m
90% (11.669m) :	-0.048m	-0.017m
80% (10.376m) :	-0.084m	-0.025m
70% (9.078m) :	-0.101m	-0.021m
60% (7.781m) :	-0.104m	-0.011m
50% (6.484m) :	-0.096m	0.002m
40% (5.187m) :	-0.081m	0.012m
30% (3.890m) :	-0.063m	0.017m
20% (2.594m) :	-0.043m	0.018m
10% (1.295m) :	-0.022m	0.013m
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	0.035m
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	0.100m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.070m	0.100m

## Total Seam Lengths (m)

Horizontal	21.72
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	28.42	1,2,3,4,5 6,7,8,9,10