

Genoa: 7000704 Jackson-2 Leopard 42 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000704 Jackson\7000704 Jackson-2 Leopard 42 Headsail.des

Initial Design Date: 12/7/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	15.515m
Leech geodesic:	13.512m
Foot geodesic:	6.221m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.421m
Upper width (HUW):	0.596m
Three-quarter width (HTW):	1.186m
Half width (HHW):	2.477m
Quarter width (HQW):	3.907m
Foot median:	14.395m
ORC Headsail area:	40.137m?
IRC Headsail area:	40.048m?
Surface area:	40.581m?
Forestay height:	16.200m
J:	4.800m

Draft Stripes

- 1, Luff: 3.895m ; Leech: 2.241m ;
- 2, Luff: 7.789m ; Leech: 6.008m ;
- 3, Luff: 11.668m ; Leech: 9.726m ;

Luff Curve

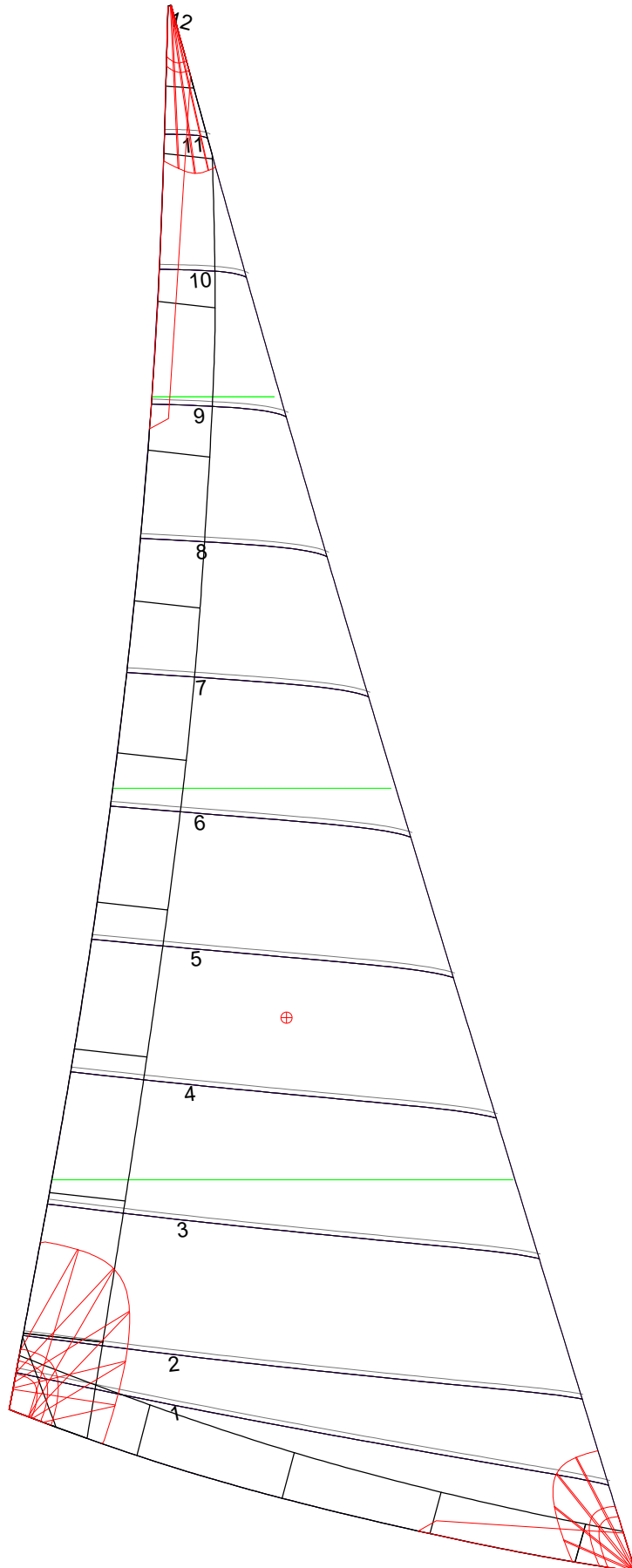
15.512m,	0.000m
14.223m,	0.053m
12.797m,	0.095m
11.542m,	0.117m
10.083m,	0.125m
7.719m,	0.110m
5.041m,	0.075m
2.622m,	0.037m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.297m])

100% (15.512m) :	0.000m	-0.000m
90% (13.963m) :	-0.062m	-0.006m
80% (12.410m) :	-0.107m	-0.002m
70% (10.860m) :	-0.129m	0.008m
60% (9.308m) :	-0.131m	0.020m
50% (7.757m) :	-0.120m	0.033m
40% (6.205m) :	-0.100m	0.042m
30% (4.654m) :	-0.076m	0.046m
20% (3.103m) :	-0.051m	0.040m
10% (1.550m) :	-0.026m	0.024m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.046m	0.046m	0.046m
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	34.42
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	40.65	1,2,3,4,5 6,7,8,9,10 11,12