

Genoa: 8001104 Ric-2 Samson Ketch 68 furlJib1.des

Design Info =====

Initial Design Date: 14/12/2024
Boat:
Samson Ketch 68
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001104 Ric Samson

Comments: J1

Design Data =====

Genoa

Measurements

Luff geodesic:	15.345m
Leech geodesic:	14.355m
Foot geodesic:	9.600m
Headboard width:	0.055m
Luff perpendicular (HLP):	8.855m
Upper width (HUW):	1.046m
Three-quarter width (HTW):	2.085m
Half width (HHW):	4.285m
Quarter width (HQW):	6.557m
Foot median:	14.436m
ORC Headsail area:	66.777m ²
IRC Headsail area:	66.635m ²
Surface area:	68.016m ²
Forestay height:	15.850m
J:	5.700m

Draft Stripes

1, Luff: 3.859m ; Leech: 3.008m ;
2, Luff: 7.704m ; Leech: 6.817m ;
3, Luff: 11.535m ; Leech: 10.550m ;

Luff Curve

15.343m,	0.000m
12.267m,	0.065m
9.192m,	0.090m
6.122m,	0.082m
3.059m,	0.051m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.467m])

100% (15.343m) :	0.000m	0.000m
90% (13.808m) :	-0.032m	0.030m
80% (12.276m) :	-0.064m	0.057m
70% (10.741m) :	-0.085m	0.082m
60% (9.206m) :	-0.094m	0.104m
50% (7.672m) :	-0.094m	0.118m
40% (6.137m) :	-0.088m	0.118m
30% (4.603m) :	-0.076m	0.106m
20% (3.069m) :	-0.056m	0.084m
10% (1.532m) :	-0.030m	0.050m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.038m	0.038m	0.038m
Cover 1	0.350m	0.350m	0.350m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	56.79
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	68.11	1,2,3,4,5 6,7,8,9,10 11,12

