

Mainsail: 7001218 Antoine-3 Try sail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001218 Antoine\7001218 Antoine-3 Try sail.des

Initial Design Date: 30/12/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	5.000m
Leech geodesic:	6.200m
Foot geodesic:	2.800m
Head geodesic:	0.060m
Upper width (MUW):	0.374m
Three-quarter width (MTW):	0.706m
Half width (MHW):	1.379m
Quarter width (MQW):	2.042m
Foot median:	5.451m
ORC Mainsail area:	6.940m?
Surface area:	6.727m?
Clew height:	-0.562m
Mast rake:	0.000m

Luff Slides

- 1, Position: 0.368m
- 2, Position: 0.934m
- 3, Position: 1.506m
- 4, Position: 2.078m
- 5, Position: 2.649m
- 6, Position: 3.221m
- 7, Position: 3.791m
- 8, Position: 4.366m
- 9, Position: 4.880m
- 10, Position: 4.927m

Luff Curve

5.000m,	0.000m
3.750m,	-0.024m
2.500m,	-0.032m
1.250m,	-0.024m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.137m])		Before BSeam
100% (5.000m) :	0.000m	0.000m
90% (4.499m) :	0.008m	0.021m
80% (4.000m) :	0.016m	0.041m
70% (3.500m) :	0.022m	0.057m
60% (3.000m) :	0.024m	0.068m
50% (2.500m) :	0.025m	0.071m
40% (2.000m) :	0.023m	0.067m
30% (1.500m) :	0.020m	0.056m
20% (1.000m) :	0.014m	0.039m
10% (0.499m) :	0.006m	0.018m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
Zone: 2	0.040m	0.040m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	7.11
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
8oz p	6.80	1\1,1\2,2\1,2\2,2\3 2\4

