

Mainsail: 8000714 Andre Beneteau 42 cc Furling Mainsail.des

Design Info =====

Initial Design Date: 25/7/2024
Boat:
Beneteau 42 cc Furling Main
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000714 Andre Be

Comments:

Design Data =====

Main

Measurements

Luff geodesic:	12.310m
Leech geodesic:	13.127m
Foot geodesic:	5.660m
Head geodesic:	0.035m
Upper width (MUW):	0.657m
Three-quarter width (MTW):	1.314m
Half width (MHW):	2.729m
Quarter width (MQW):	4.177m
Foot median:	12.462m
ORC Mainsail area:	34.031m?
Surface area:	33.720m?
Clew height:	0.792m
Mast rake:	0.000m

Draft Stripes

1, Luff: 4.060m ; Leech: 4.069m ;
2, Luff: 8.122m ; Leech: 8.577m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.281m])	Before BSeam
12.310m,	0.000m	100% (12.310m) :	-0.000m
10.776m,	-0.017m	90% (11.079m) :	0.031m
9.232m,	-0.029m	80% (9.848m) :	0.062m
7.685m,	-0.036m	70% (8.617m) :	0.089m
6.155m,	-0.037m	60% (7.386m) :	0.109m
4.587m,	-0.034m	50% (6.155m) :	0.117m
3.077m,	-0.027m	40% (4.924m) :	0.112m
1.534m,	-0.016m	30% (3.693m) :	0.095m
0.000m,	0.000m	20% (2.462m) :	0.068m
		10% (1.231m) :	0.035m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	6.07
Radial/Vertical	109.77
Bi-Radial Split	7.72

Materials

Material	Area (m ²)	Panels
Material 1	33.78	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1b\1, 1b\2, 1b\3, 1b\4, 1b\5 1b\6, 1b\7, 1b\8, 1b\9, 1b\10 1b\11, 2\1, 2\2, 2\3, 2b\4 2b\3, 2b\2, 2b\1, 3\1, 3\2 3\3, 3\4, 3\5

