

Mainsail: 7001229 Taso-1 Beneteau Oceanis 37 fullbattmain.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001229 Taso Ber

Initial Design Date: 29/5/2024
Boat:
Beneteau Oceanis 37
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic:	18.810m
Leech geodesic:	19.161m
Foot geodesic:	3.860m
Head geodesic:	0.135m
Upper width (MUW):	0.827m
Three-quarter width (MTW):	1.471m
Half width (MHW):	2.495m
Quarter width (MQW):	3.273m
Foot median:	19.003m
ORC Mainsail area:	43.489m?
Surface area:	44.049m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.261m	0.265m	79.785?	15.043m	15.306m	Full
60.000%	2.151m	0.344m	79.785?	11.281m	11.480m	Full
40.000%	2.853m	0.294m	79.785?	7.520m	7.653m	Full
20.000%	3.410m	0.164m	79.785?	3.760m	3.827m	Full

Reefing Points

1, Luff: 2.482m ; Leech: 2.512m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 4.984m ; Leech: 5.042m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 4.702m ; Leech: 4.700m ;
2, Luff: 9.403m ; Leech: 9.475m ;
3, Luff: 14.106m ; Leech: 14.272m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.192m])	Before BSeam
18.809m,	0.000m	100% (18.810m) :	0.000m
16.465m,	-0.050m	90% (16.929m) :	0.030m
14.107m,	-0.086m	80% (15.048m) :	0.054m
11.743m,	-0.102m	70% (13.167m) :	0.069m
9.404m,	-0.103m	60% (11.286m) :	0.074m
7.008m,	-0.096m	50% (9.405m) :	0.074m
4.702m,	-0.077m	40% (7.524m) :	0.070m
2.344m,	-0.043m	30% (5.643m) :	0.060m
0.000m,	0.000m	20% (3.762m) :	0.045m
		10% (1.881m) :	0.023m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.13
Radial/Vertical	138.60
Bi-Radial Split	12.34

Materials

Material	Area (m ²)	Panels
Material 1	44.08	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

