

Mainsail: 8000435 Daniel-1 BENETEAU OC 37 furlingmainV1.des

Design Info

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Initial Design Date: 17/5/2024
Boat:
BENETEAU OCEANIS 37
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000435 Daniel B

Comments:
tack angle 87deg

Design Data

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Main

Measurements

Luff geodesic:	12.730m
Leech geodesic:	13.089m
Foot geodesic:	3.750m
Head geodesic:	0.030m
Upper width (MUW):	0.442m
Three-quarter width (MTW):	0.868m
Half width (MHW):	1.799m
Quarter width (MQW):	2.755m
Foot median:	12.810m
ORC Mainsail area:	23.263m?
Surface area:	23.229m?
Clew height:	0.100m
Mast rake:	0.000m

Draft Stripes

1, Luff: 6.363m ; Leech: 6.502m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.187m])	Before BSeam
12.730m,	0.000m	100% (12.730m) :	-0.000m
11.143m,	-0.020m	90% (11.457m) :	0.027m
9.547m,	-0.034m	80% (10.184m) :	0.055m
7.947m,	-0.042m	70% (8.911m) :	0.079m
6.365m,	-0.043m	60% (7.638m) :	0.095m
4.743m,	-0.040m	50% (6.365m) :	0.101m
3.182m,	-0.032m	40% (5.092m) :	0.098m
1.586m,	-0.018m	30% (3.819m) :	0.084m
0.000m,	0.000m	20% (2.546m) :	0.062m
		10% (1.273m) :	0.031m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.030m	0.030m
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	21.32
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.26	1,2,3,4,5 6,7,8,9,10 11,12

