

Mainsail: 7000612 Miodrag-1 Zut 20 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000612 Miodrag\7000612 Miodrag-1

Initial Design Date: 14/9/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 6.682m
Leech geodesic: 7.045m
Foot geodesic: 2.475m
Head geodesic: 0.105m
Upper width (MUW): 0.501m
Three-quarter width (MTW): 0.907m
Half width (MHW): 1.567m
Quarter width (MQW): 2.077m
Foot median: 6.854m
ORC Mainsail area: 9.753m?
Surface area: 10.062m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.804m	0.170m	70.363?	5.357m	5.619m	Full
60.000%	1.366m	0.221m	70.363?	4.034m	4.214m	Full
40.000%	0.743m	0.195m	70.363?	2.711m	2.810m	
20.000%	0.619m	0.112m	70.363?	1.388m	1.405m	

Reefing Points

1, Luff: 0.835m ; Leech: 0.866m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 1.703m ; Leech: 1.763m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.204m ; Leech: 2.231m ;
2, Luff: 4.409m ; Leech: 4.554m ;

Luff Slides

1, Position: 0.708m
2, Position: 1.416m
3, Position: 2.074m
4, Position: 2.732m
5, Position: 3.390m
6, Position: 4.706m
7, Position: 6.023m

Luff Curve

		Fanned Luff (@ 5.00% [0.123m])	Before BSeam
6.682m,	0.000m	100% (6.682m) :	0.000m
5.849m,	-0.015m	90% (6.014m) :	0.023m
5.011m,	-0.026m	80% (5.346m) :	0.048m
4.171m,	-0.031m	70% (4.677m) :	0.067m
3.341m,	-0.032m	60% (4.009m) :	0.078m
2.490m,	-0.029m	50% (3.341m) :	0.081m
1.670m,	-0.023m	40% (2.673m) :	0.079m
0.833m,	-0.013m	30% (2.005m) :	0.067m
0.000m,	0.000m	20% (1.336m) :	0.046m
		10% (0.668m) :	0.021m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.21
Radial/Vertical	47.53
Bi-Radial Split	4.70

Materials

Material	Area (m ²)	Panels
Material 1	10.07	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 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

