

# Mainsail: 7000207 Victor mainsail V1.des

Design Info  
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Design File:  
C:\Users\Administrator\Desktop\0217\0217\7000207 Victor mainsail V1.des

Initial Design Date: 15/2/2023  
Boat:

Comments:

Client:

Design Data  
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Main

## Measurements

Luff geodesic:	7.984m
Leech geodesic:	8.324m
Foot geodesic:	2.618m
Head geodesic:	0.115m
Upper width (MUW):	0.543m
Three-quarter width (MTW):	0.973m
Half width (MHW):	1.683m
Quarter width (MQW):	2.207m
Foot median:	8.112m
ORC Mainsail area:	12.432m <sup>2</sup>
Surface area:	12.678m <sup>2</sup>
Clew height:	0.100m
Mast rake:	0.000m

## Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.580m	0.167m	73.999?	6.382m	6.637m	
60.000%	0.785m	0.230m	73.999?	4.786m	4.978m	
40.000%	0.785m	0.206m	73.999?	3.190m	3.319m	
20.000%	0.654m	0.117m	73.999?	1.595m	1.659m	

## Reefing Points

1, Luff: 1.197m ; Leech: 1.231m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 2.394m ; Leech: 2.462m ; Offset: 0.000m ; Number Eyelets: 2

## Draft Stripes

1, Luff: 2.634m ; Leech: 2.654m ;  
2, Luff: 5.268m ; Leech: 5.405m ;

## Luff Curve

		Fanned Luff (@ 5.00% [0.130m])	Before BSeam
7.984m,	0.000m	100% (7.984m) :	0.000m
6.989m,	-0.022m	90% (7.186m) :	0.033m
5.988m,	-0.039m	80% (6.387m) :	0.064m
4.984m,	-0.047m	70% (5.589m) :	0.087m
3.992m,	-0.048m	60% (4.790m) :	0.100m
2.975m,	-0.045m	50% (3.992m) :	0.101m
1.996m,	-0.036m	40% (3.194m) :	0.093m
0.995m,	-0.020m	30% (2.395m) :	0.076m
0.000m,	0.000m	20% (1.597m) :	0.053m
		10% (0.798m) :	0.026m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.26
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.67	1,2,3,4,5 6,7,8

