

# Mainsail: 8000101 Peter MainsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000101 Peter\8000101 Peter

Initial Design Date: 28/7/2020  
Boat:

Comments:  
tack anglei 88.5 d

Client:

Design Data  
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Main

Measurements

Luff geodesic: 7.230m  
Leech geodesic: 7.830m  
Foot geodesic: 2.840m  
Head geodesic: 0.105m  
Upper width (MUW): 0.562m  
Three-quarter width (MTW): 1.024m  
Half width (MHW): 1.788m  
Quarter width (MQW): 2.369m  
Foot median: 7.493m  
ORC Mainsail area: 12.025m?  
Surface area: 12.381m?  
Clew height: -0.092m  
Mast rake: 0.200m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.891m	0.135m	71.398?	5.749m	6.236m	Full
60.000%	0.760m	0.178m	71.398?	4.278m	4.677m	
40.000%	0.760m	0.148m	71.398?	2.807m	3.118m	
20.000%	0.760m	0.084m	71.398?	1.337m	1.559m	

Reefing Points

1, Luff: 1.600m ; Leech: 1.694m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 2.500m ; Leech: 2.650m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.617m ; Leech: 3.897m ;

Luff Slides

1, Position: 0.722m  
2, Position: 1.445m  
3, Position: 2.167m  
4, Position: 2.889m  
5, Position: 3.612m  
6, Position: 4.334m  
7, Position: 5.057m  
8, Position: 6.505m

Luff Curve

		Fanned Luff (@ 5.00% [0.141m])	Before BSeam
7.228m,	0.000m	100% (7.230m) :	0.000m
6.327m,	-0.046m	90% (6.507m) :	0.051m
5.421m,	-0.080m	80% (5.784m) :	0.099m
4.513m,	-0.097m	70% (5.061m) :	0.133m
3.614m,	-0.100m	60% (4.338m) :	0.151m
2.693m,	-0.093m	50% (3.615m) :	0.154m
1.807m,	-0.074m	40% (2.892m) :	0.143m
0.901m,	-0.042m	30% (2.169m) :	0.119m
0.000m,	0.000m	20% (1.446m) :	0.086m
		10% (0.723m) :	0.044m
		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	12.23
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.36	1,2,3,4,5 6,7,8

