

Mainsail: 7000821 Peter MainsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed Order\7000821 Peter MainsailV1.des

Initial Design Date: 30/8/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 8.692m
 Leech geodesic: 9.030m
 Foot geodesic: 3.118m
 Head geodesic: 0.115m
 Upper width (MUW): 0.600m
 Three-quarter width (MTW): 1.094m
 Half width (MHW): 1.931m
 Quarter width (MQW): 2.592m
 Foot median: 8.836m
 ORC Mainsail area: 15.714m?
 Surface area: 16.119m?
 Clew height: 0.058m
 Mast rake: 0.370m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.954m	0.178m	73.089?	6.959m	7.211m	Full
60.000%	1.665m	0.242m	73.089?	5.233m	5.408m	Full
40.000%	2.251m	0.219m	73.089?	3.506m	3.605m	Full
20.000%	2.716m	0.127m	73.089?	1.780m	1.803m	Full

Reefing Points

1, Luff: 1.149m ; Leech: 1.178m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 2.499m ; Leech: 2.561m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.155m])	Before BSeam
8.692m,	0.000m	100% (8.692m) :	0.000m
6.519m,	-0.034m	90% (7.823m) :	0.009m
4.346m,	-0.045m	80% (6.954m) :	0.056m
2.173m,	-0.034m	70% (6.084m) :	0.080m
0.000m,	0.000m	60% (5.215m) :	0.094m
		50% (4.346m) :	0.099m
		40% (3.477m) :	0.096m
		30% (2.608m) :	0.082m
		20% (1.738m) :	0.057m
		10% (0.869m) :	0.026m
		0% (0.000m) :	0.000m

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

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

Total Seam Lengths (m)

Horizontal	15.34
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	16.10	1,2,3,4,5 6,7,8,9

