

# Mainsail: 7000922 Scott-2 Pearson 365 Ketch Mizzen.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000922 Scott\7000

Initial Design Date: 19/10/2023  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	278.39In
Leech geodesic:	291.14In
Foot geodesic:	95.04In
Head geodesic:	4.52In
Upper width (MUW):	19.31In
Three-quarter width (MTW):	34.10In
Half width (MHW):	58.87In
Quarter width (MQW):	79.15In
Foot median:	284.66In
ORC Mainsail area:	107.232Ft²
Surface area:	110.111Ft²
Clew height:	3.94In
Mast rake:	0.00In

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	19.96In	5.30In	73.343?	222.54In	232.17In	
60.000%	23.62In	6.88In	73.343?	166.90In	174.13In	
40.000%	23.62In	6.06In	73.343?	111.28In	116.09In	
20.000%	23.62In	3.50In	73.343?	55.66In	58.04In	

### Reefing Points

1, Luff: 34.79In ; Leech: 35.96In ; Offset: 0.00In ; Number Eyelets: 2

### Draft Stripes

1, Luff: 91.84In ; Leech: 92.97In ;  
2, Luff: 183.70In ; Leech: 189.24In ;

### Luff Slides

1, Position: 28.36In  
2, Position: 56.72In  
3, Position: 84.39In  
4, Position: 112.07In  
5, Position: 139.75In  
6, Position: 167.43In  
7, Position: 195.11In  
8, Position: 222.80In  
9, Position: 250.59In

### Luff Curve

		Fanned Luff (@ 5.00% [4.74In])	Before BSeam
278.38In,	0.00In	100% (278.39In) :	0.00In
243.69In,	-0.64In	90% (250.56In) :	1.02In
208.78In,	-1.10In	80% (222.71In) :	1.93In
173.79In,	-1.30In	70% (194.87In) :	2.54In
139.19In,	-1.32In	60% (167.03In) :	2.87In
103.73In,	-1.22In	50% (139.19In) :	2.96In
69.59In,	-0.98In	40% (111.35In) :	2.89In
34.69In,	-0.56In	30% (83.52In) :	2.55In
0.00In,	0.00In	20% (55.68In) :	1.93In
		10% (27.84In) :	1.01In
		0% (0.00In) :	0.00In

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Seam Allowances			
Zone:	Split	Radial	Cross
1	1.181In	1.181In	1.181In

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

Total Seam Lengths (In)

Horizontal	399.90
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	109.78	1,2,3,4,5 6,7

