

# Mainsail: 6000214 Hans christian 43- Robert.des

Design Info  
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Design File:  
E:\Dropbox\Fareast Sails\2022 Order\6000214 Robert\6000214 Hans christian 43- Robert.des

Initial Design Date: 17/2/2022  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 14.020m  
Leech geodesic: 14.610m  
Foot geodesic: 4.480m  
Head geodesic: 0.115m  
Upper width (MUW): 0.827m  
Three-quarter width (MTW): 1.533m  
Half width (MHW): 2.745m  
Quarter width (MQW): 3.685m  
Foot median: 14.269m  
ORC Mainsail area: 35.965m?  
Surface area: 36.677m?  
Clew height: 0.100m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.949m	0.236m	73.895?	11.215m	11.653m	
60.000%	1.355m	0.320m	73.895?	8.415m	8.739m	
40.000%	1.355m	0.267m	73.895?	5.615m	5.826m	
20.000%	1.129m	0.147m	73.895?	2.816m	2.913m	

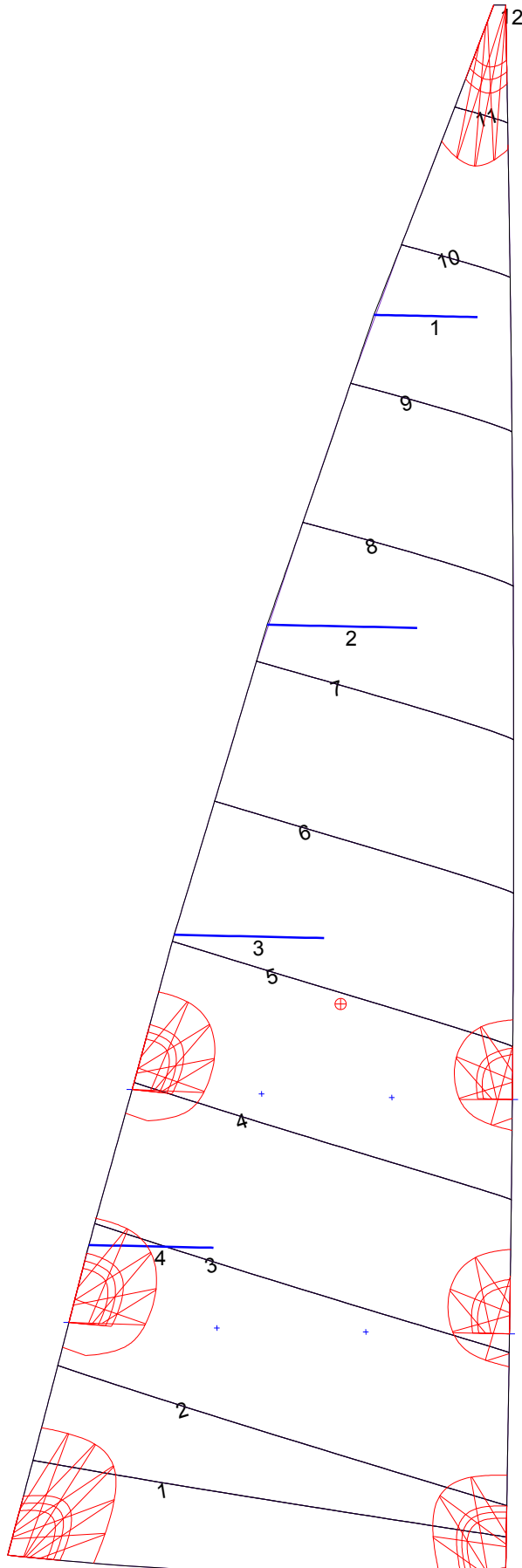
Reefing Points

1, Luff: 2.102m ; Leech: 2.169m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 4.205m ; Leech: 4.338m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.223m])	Before BSeam
14.019m,	0.000m	100% (14.020m) :	0.000m
10.515m,	-0.053m	90% (12.618m) :	0.016m
7.010m,	-0.071m	80% (11.216m) :	0.086m
3.505m,	-0.053m	70% (9.814m) :	0.123m
0.000m,	0.000m	60% (8.412m) :	0.148m
		50% (7.010m) :	0.153m
		40% (5.608m) :	0.140m
		30% (4.206m) :	0.116m
		20% (2.804m) :	0.080m
		10% (1.402m) :	0.037m
		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	30.26
Radial/Vertical	0.00
Bi-Radial Split	0.00

**Materials**

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.71	1,2,3,4,5 6,7,8,9,10 11,12