

# Mainsail: 8000803 Jason-1 Flamence 25 battenless mainsail1.des

Design Info  
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Initial Design Date: 8/8/2024  
Boat:  
Flamence 25  
Client:

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000803 Jason Fla

Comments:

Design Data  
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Main

Measurements

Luff geodesic:	7.230m
Leech geodesic:	7.623m
Foot geodesic:	3.069m
Head geodesic:	0.050m
Upper width (MUW):	0.385m
Three-quarter width (MTW):	0.739m
Half width (MHW):	1.505m
Quarter width (MQW):	2.280m
Foot median:	7.360m
ORC Mainsail area:	10.987m?
Surface area:	11.070m?
Clew height:	0.263m
Mast rake:	0.000m

Reefing Points

- 1, Luff: 0.809m ; Leech: 0.974m ; Offset: 0.000m ; Number Eyelets: 0
- 2, Luff: 1.625m ; Leech: 1.875m ; Offset: 0.000m ; Number Eyelets: 0
- 3, Luff: 2.492m ; Leech: 2.801m ; Offset: 0.000m ; Number Eyelets: 0

Luff Curve

		Fanned Luff (@ 5.00% [0.152m])	Before BSeam
7.230m,	0.000m	100% (7.230m) :	0.000m
6.329m,	-0.018m	90% (6.507m) :	0.010m
5.422m,	-0.030m	80% (5.784m) :	0.019m
4.514m,	-0.036m	70% (5.061m) :	0.025m
3.615m,	-0.036m	60% (4.338m) :	0.027m
2.694m,	-0.034m	50% (3.615m) :	0.027m
1.807m,	-0.027m	40% (2.892m) :	0.024m
0.901m,	-0.015m	30% (2.169m) :	0.020m
0.000m,	0.000m	20% (1.446m) :	0.014m
		10% (0.723m) :	0.007m
		0% (0.000m) :	0.000m

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

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

Total Seam Lengths (m)

Horizontal	10.97
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	11.09	1,2,3,4,5 6,7

