

# Mainsail: 8000803 Jason-1 Flamence 25 battenless mainsailV1.des

## Design Info =====

Initial Design Date: 15/8/2024  
Boat:  
Flamence 25 batten less  
Client:

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

Comments:

## Design Data =====

### Main

#### Measurements

Luff geodesic:	7.623m
Leech geodesic:	8.220m
Foot geodesic:	3.069m
Head geodesic:	0.050m
Upper width (MUW):	0.389m
Three-quarter width (MTW):	0.745m
Half width (MHW):	1.513m
Quarter width (MQW):	2.284m
Foot median:	7.867m
ORC Mainsail area:	11.619m?
Surface area:	11.709m?
Clew height:	0.012m
Mast rake:	0.000m

#### Reefing Points

1, Luff: 0.854m ; Leech: 0.943m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 1.715m ; Leech: 1.890m ; Offset: 0.000m ; Number Eyelets: 0  
3, Luff: 2.630m ; Leech: 2.882m ; Offset: 0.000m ; Number Eyelets: 0

#### Luff Curve

		Fanned Luff (@ 5.00% [0.153m])	Before BSeam
7.623m,	0.000m	100% (7.623m) :	0.000m
6.673m,	-0.018m	90% (6.861m) :	0.010m
5.717m,	-0.030m	80% (6.098m) :	0.020m
4.759m,	-0.036m	70% (5.336m) :	0.026m
3.811m,	-0.036m	60% (4.574m) :	0.028m
2.840m,	-0.034m	50% (3.811m) :	0.028m
1.906m,	-0.027m	40% (3.049m) :	0.025m
0.950m,	-0.015m	30% (2.287m) :	0.021m
0.000m,	0.000m	20% (1.525m) :	0.015m
		10% (0.762m) :	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	11.61
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	11.73	1,2,3,4,5 6,7,8

