

# Mainsail: 7001026 Martin MainsailV1.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001026 Martin\700

Initial Design Date: 6/11/2023  
Boat:

Comments:

Client:

Design Data  
=====

## Main

### Measurements

Luff geodesic: 16.067m  
 Leech geodesic: 16.487m  
 Foot geodesic: 4.148m  
 Head geodesic: 0.133m  
 Upper width (MUW): 0.909m  
 Three-quarter width (MTW): 1.621m  
 Half width (MHW): 2.747m  
 Quarter width (MQW): 3.581m  
 Foot median: 16.201m  
 ORC Mainsail area: 40.591m?  
 Surface area: 41.150m?  
 Clew height: 0.100m  
 Mast rake: 0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	1.304m	0.358m	77.439?	13.169m	13.488m	Full
62.000%	2.301m	0.483m	77.439?	9.956m	10.198m	Full
42.000%	3.079m	0.448m	77.439?	6.744m	6.908m	Full
22.000%	3.680m	0.296m	77.439?	3.532m	3.619m	Full

### Reefing Points

1, Luff: 1.992m ; Leech: 2.019m ; Offset: 0.000m ; Number Eyelets: 3  
 2, Luff: 4.256m ; Leech: 4.314m ; Offset: 0.000m ; Number Eyelets: 3  
 3, Luff: 7.228m ; Leech: 7.336m ; Offset: 0.000m ; Number Eyelets: 2

### Draft Stripes

1, Luff: 4.016m ; Leech: 3.975m ;  
 2, Luff: 8.032m ; Leech: 8.087m ;  
 3, Luff: 12.048m ; Leech: 12.234m ;

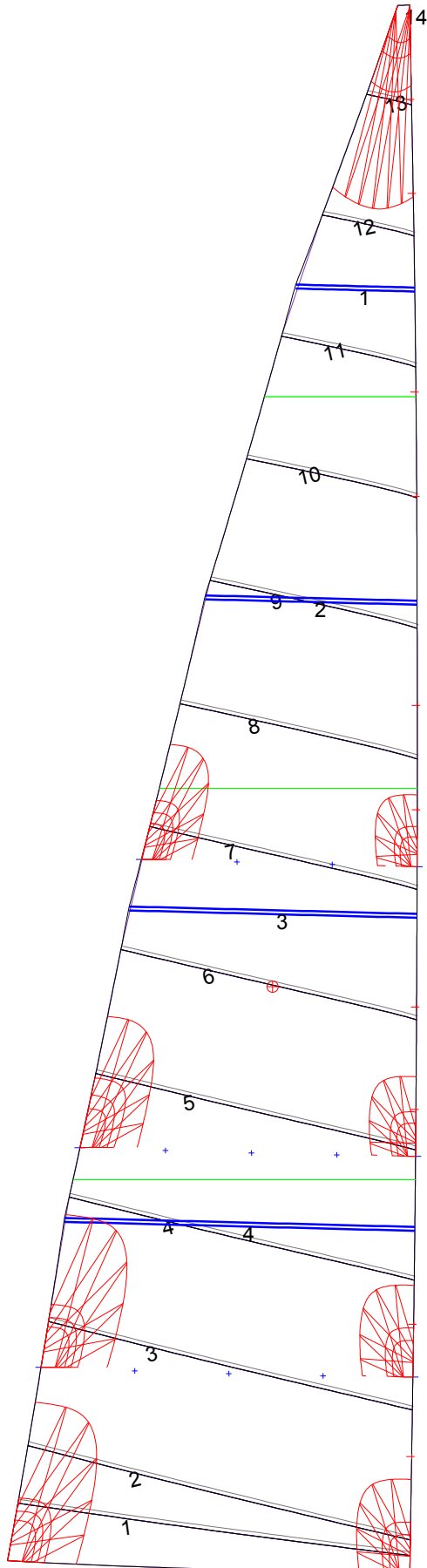
### Luff Slides

1, Position: 1.177m  
 2, Position: 2.534m  
 3, Position: 4.738m  
 4, Position: 5.788m  
 5, Position: 7.813m  
 6, Position: 8.883m  
 7, Position: 11.025m  
 8, Position: 12.096m  
 9, Position: 14.134m  
 10, Position: 15.100m

### Luff Curve

		Fanned Luff (@ 5.00% [0.206m])	Before BSeam
16.066m,	0.000m	100% (16.067m) :	0.000m
14.064m,	-0.037m	90% (14.461m) :	0.052m
12.050m,	-0.064m	80% (12.854m) :	0.099m
10.030m,	-0.075m	70% (11.247m) :	0.131m
8.033m,	-0.076m	60% (9.640m) :	0.147m
5.987m,	-0.071m	50% (8.034m) :	0.150m
4.017m,	-0.056m	40% (6.427m) :	0.140m
2.002m,	-0.032m	30% (4.820m) :	0.118m
0.000m,	0.000m	20% (3.213m) :	0.086m
		10% (1.607m) :	0.046m
		0% (0.000m) :	0.000m

# Mainsail: 7001026 Martin MainsailV1.des



Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.040m	0.040m	0.040m

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

Total Seam Lengths (m)

Horizontal	35.29
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	41.18	1,2,3,4,5 6,7,8,9,10 11,12,13,14