

Mainsail: 7000402 Pier-1 Bavaria30 MainsailV1.des

Job Number:

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000402 Pier\7000402 Pier-1

Job No:
Initial Design Date: 13/4/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 11.200m
Leech geodesic: 11.820m
Foot geodesic: 4.380m
Head geodesic: 0.115m
Upper width (MUW): 0.761m
Three-quarter width (MTW): 1.406m
Half width (MHW): 2.568m
Quarter width (MQW): 3.543m
Foot median: 11.396m
ORC Mainsail area: 27.339m?
Surface area: 27.831m?
Clew height: 0.167m
Mast rake: 0.151m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.000%	1.155m	0.185m	71.758?	9.067m	9.535m	Full
61.000%	2.127m	0.245m	71.758?	6.828m	7.180m	Full
40.320%	3.002m	0.220m	71.758?	4.513m	4.746m	Full
19.311%	3.758m	0.127m	71.758?	2.162m	2.273m	Full

Reefing Points

1, Luff: 1.450m ; Leech: 1.515m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.450m ; Leech: 2.410m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

1, Position: 0.590m
2, Position: 1.318m
3, Position: 2.946m
4, Position: 3.730m
5, Position: 5.285m
6, Position: 6.057m
7, Position: 7.575m
8, Position: 8.321m
9, Position: 9.778m
10, Position: 10.489m

Luff Curve

		Fanned Luff (@ 5.00% [0.218m])	Before BSeam
11.200m,	0.000m	100% (11.200m) :	0.000m -0.000m
10.069m,	0.000m	90% (10.080m) :	-0.001m 0.026m
8.960m,	0.000m	80% (8.960m) :	-0.001m 0.051m
7.829m,	0.000m	70% (7.840m) :	-0.001m 0.075m
6.720m,	0.000m	60% (6.720m) :	-0.002m 0.091m
5.062m,	0.000m	50% (5.600m) :	-0.003m 0.097m
3.360m,	0.000m	40% (4.480m) :	-0.005m 0.090m
1.779m,	0.000m	30% (3.360m) :	-0.006m 0.073m
0.000m,	0.000m	20% (2.240m) :	-0.007m 0.050m
		10% (1.120m) :	-0.005m 0.022m
		0% (0.000m) :	-0.000m 0.000m

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

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

Total Seam Lengths (m)

Horizontal	24.16
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	27.86	1,2,3,4,5 6,7,8,9,10

