

# Mainsail: 6001226 Daniel Furling Main Bavaria 30-V1-0107.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001226 Daniel Bavaria 30\6001226 Daniel Furling

Initial Design Date: 31/12/2022  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 10.917m  
Leech geodesic: 11.262m  
Foot geodesic: 4.100m  
Head geodesic: 0.040m  
Upper width (MUW): 0.538m  
Three-quarter width (MTW): 1.046m  
Half width (MHW): 2.083m  
Quarter width (MQW): 3.094m  
Foot median: 10.956m  
ORC Mainsail area: 22.627m?  
Surface area: 22.621m?  
Clew height: 0.429m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.200m	-0.051m	159.085?	120.424m	8.987m	
60.000%	1.200m	-0.080m	159.085?	224.788m	6.740m	
40.000%	1.200m	-0.080m	159.085?	329.150m	4.493m	
20.000%	1.200m	-0.051m	159.085?	433.513m	2.247m	

Reefing Points

1, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0  
3, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0

Draft Stripes

1, Luff: 2.728m ; Leech: 2.848m ;  
2, Luff: 5.456m ; Leech: 5.665m ;  
3, Luff: 8.186m ; Leech: 8.457m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.203m])	Before BSeam
10.917m,	0.000m	100% (10.917m) :	-0.000m
9.557m,	-0.009m	90% (9.825m) :	0.005m
8.188m,	-0.016m	80% (8.733m) :	0.010m
6.816m,	-0.019m	70% (7.642m) :	0.013m
5.459m,	-0.020m	60% (6.550m) :	0.014m
4.068m,	-0.019m	50% (5.459m) :	0.013m
2.729m,	-0.015m	40% (4.367m) :	0.011m
1.360m,	-0.008m	30% (3.275m) :	0.008m
0.000m,	0.000m	20% (2.183m) :	0.005m
		10% (1.092m) :	0.002m
		0% (0.000m) :	0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m
Cover 1	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.14
Radial/Vertical	79.46
Bi-Radial Split	7.48

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	22.62	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

