

# Mainsail: 6001205 Darko Tasman 26 Main.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001205 Darko\6001205 Darko Tasman 26 Main.des

Initial Design Date: 8/12/2022  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 9.700m  
Leech geodesic: 10.121m  
Foot geodesic: 3.200m  
Head geodesic: 0.115m  
Upper width (MUW): 0.597m  
Three-quarter width (MTW): 1.093m  
Half width (MHW): 1.939m  
Quarter width (MQW): 2.615m  
Foot median: 9.906m  
ORC Mainsail area: 17.702m?  
Surface area: 18.057m?  
Clew height: 0.100m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
75.000%	0.670m	0.158m	73.764?	7.270m	7.570m	
50.000%	0.957m	0.180m	73.764?	4.847m	5.047m	
25.000%	1.000m	0.108m	73.764?	2.423m	2.523m	

Reefing Points

1, Luff: 1.455m ; Leech: 1.506m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

1, Position: 0.882m  
2, Position: 1.764m  
3, Position: 2.645m  
4, Position: 3.527m  
5, Position: 4.409m  
6, Position: 5.291m  
7, Position: 6.173m  
8, Position: 7.055m  
9, Position: 7.936m  
10, Position: 8.818m

Luff Curve

		Fanned Luff (@ 5.00% [0.159m])	Before BSeam
9.700m,	0.000m	100% (9.700m) :	0.000m
8.491m,	-0.020m	90% (8.730m) :	0.033m
7.275m,	-0.035m	80% (7.760m) :	0.064m
6.056m,	-0.042m	70% (6.790m) :	0.089m
4.850m,	-0.043m	60% (5.820m) :	0.103m
3.614m,	-0.040m	50% (4.850m) :	0.105m
2.425m,	-0.032m	40% (3.880m) :	0.096m
1.209m,	-0.018m	30% (2.910m) :	0.079m
0.000m,	0.000m	20% (1.940m) :	0.055m
		10% (0.970m) :	0.027m
		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

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	3.82
Radial/Vertical	68.09
Bi-Radial Split	6.78

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	18.09	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

