

# Mainsail: 6001205 Darko Tasman 26 Main - V1-1209.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 - V

Initial Design Date: 8/12/2022  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 9.700m  
Leech geodesic: 10.119m  
Foot geodesic: 3.200m  
Head geodesic: 0.115m  
Upper width (MUW): 0.585m  
Three-quarter width (MTW): 1.068m  
Half width (MHW): 1.909m  
Quarter width (MQW): 2.597m  
Foot median: 9.905m  
ORC Mainsail area: 17.528m?  
Surface area: 17.862m?  
Clew height: 0.100m  
Mast rake: 0.000m

Battens

| Position | Length | Roach  | Angle   | Luff   | Leech  | Full |
|----------|--------|--------|---------|--------|--------|------|
| 75.000%  | 0.670m | 0.132m | 73.764? | 7.271m | 7.570m |      |
| 50.000%  | 0.957m | 0.150m | 73.764? | 4.847m | 5.047m |      |
| 25.000%  | 1.000m | 0.090m | 73.764? | 2.423m | 2.523m |      |

Reefing Points

1, Luff: 1.455m ; Leech: 1.509m ; 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) :                 | 0.032m       |
| 7.275m, | -0.035m | 80% (7.760m) :                 | 0.064m       |
| 6.056m, | -0.042m | 70% (6.790m) :                 | 0.088m       |
| 4.850m, | -0.043m | 60% (5.820m) :                 | 0.102m       |
| 3.614m, | -0.040m | 50% (4.850m) :                 | 0.104m       |
| 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      | 3.77  |
| Radial/Vertical | 68.10 |
| Bi-Radial Split | 6.78  |

## Materials

| Material   | Area (m <sup>2</sup> ) | Panels  |
|------------|------------------------|---|
| Material 1 | 17.89                  | 1\1,1\2,1\3,1\4,1\5<br>1\6,1\7,1\8,1\9,1\10<br>1b\1,1b\2,1b\3,1b\4,1b\5<br>1b\6,1b\7,1b\8,1b\9,1b\10<br>2\1,2\2,2\3,2b\1,2b\2<br>2b\3,3\1,3\2,3\3,3\4 |

