

# Mainsail: 6001204 Torodd Dehler 29-1 Main - 1217.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001204 Tor

Initial Design Date: 13/12/2022  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic: 11.180m  
 Leech geodesic: 11.774m  
 Foot geodesic: 3.980m  
 Head geodesic: 0.120m  
 Upper width (MUW): 0.871m  
 Three-quarter width (MTW): 1.596m  
 Half width (MHW): 2.663m  
 Quarter width (MQW): 3.394m  
 Foot median: 11.457m  
 ORC Mainsail area: 27.137m?  
 Surface area: 28.089m?  
 Clew height: 0.100m  
 Mast rake: 0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.000%	1.379m	0.396m	72.330?	9.048m	9.494m	Full
61.000%	2.346m	0.507m	72.330?	6.813m	7.150m	Full
42.000%	2.957m	0.388m	72.330?	4.690m	4.923m	Full
21.000%	3.513m	0.214m	72.330?	2.345m	2.461m	Full

### Reefing Points

1, Luff: 1.453m ; Leech: 1.499m ; Offset: 0.000m ; Number Eyelets: 3  
 2, Luff: 2.906m ; Leech: 2.996m ; Offset: 0.000m ; Number Eyelets: 3  
 3, Luff: 4.414m ; Leech: 4.553m ; Offset: 0.000m ; Number Eyelets: 2

### Luff Slides

1, Position: 0.744m  
 2, Position: 1.488m  
 3, Position: 2.978m  
 4, Position: 3.722m  
 5, Position: 5.212m  
 6, Position: 5.957m  
 7, Position: 7.447m  
 8, Position: 8.192m  
 9, Position: 9.685m  
 10, Position: 10.433m

### Luff Curve

		Fanned Luff (@ 5.00% [0.198m])	Before BSeam
11.179m,	0.000m	100% (11.180m) :	0.000m
9.786m,	-0.047m	90% (10.062m) :	0.027m
8.384m,	-0.081m	80% (8.944m) :	0.051m
6.979m,	-0.098m	70% (7.826m) :	0.066m
6.724m,	-0.100m	60% (6.708m) :	0.072m
5.589m,	-0.100m	50% (5.590m) :	0.071m
4.165m,	-0.090m	40% (4.472m) :	0.065m
2.795m,	-0.071m	30% (3.354m) :	0.056m
1.393m,	-0.042m	20% (2.236m) :	0.042m
0.000m,	0.000m	10% (1.118m) :	0.024m
		0% (0.000m) :	0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.33
Radial/Vertical	117.58
Bi-Radial Split	7.84

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	28.13	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6

