

Mainsail: 8000903 Jaap Golden Hind 31 stdmainV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000903 Jaap Golden Hind 31

Initial Design Date: 19/9/2024
Boat:
Golden Hind 31
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 8.420m
Leech geodesic: 9.150m
Foot geodesic: 4.560m
Head geodesic: 0.115m
Upper width (MUW): 0.796m
Three-quarter width (MTW): 1.480m
Half width (MHW): 2.674m
Quarter width (MQW): 3.686m
Foot median: 8.644m
ORC Mainsail area: 21.419m?
Surface area: 22.241m?
Clew height: 0.537m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	1.212m	0.299m	66.442?	6.909m	7.448m	Full
62.000%	1.050m	0.345m	66.442?	5.233m	5.632m	
42.000%	1.050m	0.285m	66.442?	3.558m	3.815m	
22.000%	0.950m	0.153m	66.442?	1.884m	1.998m	

Reefing Points

1, Luff: 0.850m ; Leech: 0.906m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 1.700m ; Leech: 1.804m ; Offset: 0.000m ; Number Eyelets: 2
3, Luff: 2.600m ; Leech: 2.757m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.775m ; Leech: 2.506m ;
2, Luff: 5.553m ; Leech: 5.632m ;

Luff Slides

1, Position: 0.617m
2, Position: 1.233m
3, Position: 1.850m
4, Position: 2.410m
5, Position: 2.971m
6, Position: 3.532m
7, Position: 4.094m
8, Position: 4.655m
9, Position: 5.216m
10, Position: 5.778m
11, Position: 6.340m
12, Position: 7.408m
13, Position: 7.914m

Luff Curve

		Fanned Luff (@ 5.00% [0.226m])	Before BSeam
8.420m,	0.000m	100% (8.420m) :	0.000m
7.370m,	-0.019m	90% (7.579m) :	0.012m
6.315m,	-0.033m	80% (6.736m) :	0.021m
5.256m,	-0.039m	70% (5.894m) :	0.026m
4.210m,	-0.040m	60% (5.052m) :	0.027m
3.137m,	-0.037m	50% (4.210m) :	0.026m
2.105m,	-0.030m	40% (3.368m) :	0.024m
1.049m,	-0.017m	30% (2.526m) :	0.019m
0.000m,	0.000m	20% (1.684m) :	0.013m
		10% (0.842m) :	0.005m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Total Seam Lengths (m)

Horizontal	24.11
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.22	1,2,3,4,5 6,7,8,9

