

Mainsail: 8000903 Jaap Golden Hind 31 stdmain.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

Initial Design Date: 10/9/2024
Boat:
Golden Hind 31
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 8.420m
Leech geodesic: 9.200m
Foot geodesic: 4.560m
Head geodesic: 0.115m
Upper width (MUW): 0.797m
Three-quarter width (MTW): 1.482m
Half width (MHW): 2.678m
Quarter width (MQW): 3.689m
Foot median: 8.671m
ORC Mainsail area: 21.439m?
Surface area: 22.277m?
Clew height: 0.483m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	1.213m	0.299m	66.442?	6.902m	7.489m	Full
62.000%	1.050m	0.345m	66.442?	5.216m	5.663m	
42.000%	1.050m	0.285m	66.442?	3.532m	3.836m	
22.000%	0.950m	0.153m	66.442?	1.850m	2.009m	

Reefing Points

- 1, Luff: 0.850m ; Leech: 0.910m ; Offset: 0.000m ; Number Eyelets: 2
- 2, Luff: 1.700m ; Leech: 1.812m ; Offset: 0.000m ; Number Eyelets: 2
- 3, Luff: 2.600m ; Leech: 2.770m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 2.775m ; Leech: 2.564m ;
- 2, Luff: 5.553m ; Leech: 5.688m ;

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) :	0.042m
6.315m,	-0.033m	80% (6.736m) :	0.079m
5.256m,	-0.039m	70% (5.894m) :	0.104m
4.210m,	-0.040m	60% (5.052m) :	0.119m
3.137m,	-0.037m	50% (4.210m) :	0.123m
2.105m,	-0.030m	40% (3.368m) :	0.119m
1.049m,	-0.017m	30% (2.526m) :	0.102m
0.000m,	0.000m	20% (1.684m) :	0.075m
		10% (0.842m) :	0.037m
		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	24.04
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.26	1,2,3,4,5 6,7,8,9

