

Genoa: 8000423 Gry hanks headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000423 Gry head

Initial Design Date: 14/6/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.870m
Leech geodesic:	7.544m
Foot geodesic:	3.489m
Headboard width:	0.050m
Luff perpendicular (HLP):	3.328m
Upper width (HUW):	0.378m
Three-quarter width (HTW):	0.731m
Half width (HHW):	1.545m
Quarter width (HQW):	2.421m
Foot median:	7.609m
ORC Headsail area:	12.609m?
IRC Headsail area:	12.559m?
Surface area:	12.675m?
Forestay height:	8.778m
J:	2.560m

Draft Stripes

- 1, Luff: 2.608m ; Leech: 2.411m ;
- 2, Luff: 5.212m ; Leech: 4.928m ;

Luff Curve

7.869m,	0.000m
7.215m,	0.027m
6.492m,	0.048m
5.855m,	0.059m
5.115m,	0.064m
3.916m,	0.056m
2.557m,	0.038m
1.330m,	0.019m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.171m])

100% (7.869m) :	-0.000m	0.000m
90% (7.081m) :	-0.030m	-0.012m
80% (6.296m) :	-0.054m	-0.018m
70% (5.508m) :	-0.064m	-0.010m
60% (4.722m) :	-0.063m	0.005m
50% (3.935m) :	-0.056m	0.018m
40% (3.148m) :	-0.047m	0.025m
30% (2.361m) :	-0.036m	0.026m
20% (1.574m) :	-0.024m	0.022m
10% (0.786m) :	-0.012m	0.012m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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

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

Total Seam Lengths (m)

Horizontal	10.37
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	12.72	1,2,3,4,5 6,7

