

Genoa: 7000519 Holger-2 staysail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000519 Holger\7000

Initial Design Date: 27/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	24.750Ft
Leech geodesic:	21.300Ft
Foot geodesic:	8.900Ft
Headboard width:	0.161Ft
Luff perpendicular (HLP):	7.504Ft
Upper width (HUW):	0.874Ft
Three-quarter width (HTW):	1.645Ft
Half width (HHW):	3.392Ft
Quarter width (HQW):	5.380Ft
Foot median:	22.856Ft
ORC Headsail area:	88.575Ft?
IRC Headsail area:	88.250Ft?
Surface area:	89.236Ft?
Forestay height:	40.000Ft
J:	13.000Ft

Draft Stripes

1, Luff: 8.206Ft ; Leech: 5.479Ft ;
2, Luff: 16.398Ft ; Leech: 13.240Ft ;

Luff Slides

1, Position: 1.476Ft
2, Position: 3.722Ft
3, Position: 5.967Ft
4, Position: 8.212Ft
5, Position: 10.458Ft
6, Position: 12.703Ft
7, Position: 14.948Ft
8, Position: 17.194Ft
9, Position: 19.439Ft
10, Position: 21.684Ft
11, Position: 23.930Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.427Ft])	Before BSeam
24.745Ft,	0.000Ft	100% (24.745Ft) :	0.000Ft -0.000Ft
22.689Ft,	0.084Ft	90% (22.270Ft) :	-0.101Ft -0.052Ft
20.414Ft,	0.152Ft	80% (19.799Ft) :	-0.171Ft -0.080Ft
18.413Ft,	0.187Ft	70% (17.323Ft) :	-0.205Ft -0.081Ft
16.085Ft,	0.200Ft	60% (14.849Ft) :	-0.208Ft -0.064Ft
12.314Ft,	0.175Ft	50% (12.373Ft) :	-0.189Ft -0.037Ft
8.042Ft,	0.119Ft	40% (9.899Ft) :	-0.157Ft -0.010Ft
4.183Ft,	0.060Ft	30% (7.424Ft) :	-0.120Ft 0.008Ft
0.000Ft,	0.000Ft	20% (4.950Ft) :	-0.080Ft 0.016Ft
		10% (2.473Ft) :	-0.041Ft 0.011Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.082Ft	0.082Ft	0.082Ft

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

Total Seam Lengths (Ft)

Horizontal	26.43
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	89.65	1,2,3,4,5 6,7

