

Genoa: 7000922 Scott-3 Pearson 365 Ketch Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000922 Scott\7000

Initial Design Date: 19/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	474.21In
Leech geodesic:	444.05In
Foot geodesic:	261.22In
Headboard width:	1.38In
Luff perpendicular (HLP):	242.89In
Upper width (HUW):	28.20In
Three-quarter width (HTW):	56.12In
Half width (HHW):	115.44In
Quarter width (HQW):	178.36In
Foot median:	448.92In
ORC Headsail area:	389.637Ft?
IRC Headsail area:	388.796Ft?
Surface area:	393.971Ft?
Forestay height:	492.13In
J:	179.92In

Draft Stripes

- 1, Luff: 119.18In ; Leech: 100.82In ;
- 2, Luff: 238.32In ; Leech: 215.67In ;
- 3, Luff: 356.89In ; Leech: 328.28In ;

Luff Curve

		Fanned Luff (@ 5.00% [12.85In])	Before BSeam
474.11In,	0.00In	100% (474.12In) :	-0.00In
434.72In,	1.61In	90% (426.68In) :	0.40In
391.14In,	2.91In	80% (379.36In) :	0.96In
352.79In,	3.58In	70% (331.91In) :	1.50In
308.19In,	3.83In	60% (284.50In) :	1.96In
235.94In,	3.36In	50% (237.08In) :	2.32In
154.09In,	2.28In	40% (189.66In) :	2.47In
80.14In,	1.14In	30% (142.24In) :	2.32In
0.00In,	0.00In	20% (94.85In) :	1.87In
		10% (47.37In) :	1.08In
		0% (0.00In) :	0.00In

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	1.378In	1.378In	1.378In
Cover 1	0.984In	0.984In	0.984In
Cover 2	0.984In	0.984In	0.984In
Cover 3	0.000In	0.000In	0.000In
Cover 4	0.000In	0.000In	0.000In

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000In	0.000In	0.000In
Cover 0	2.756In	3.937In	2.756In
Cover 1	2.756In	2.756In	3.937In
Cover 2	0.000In	2.756In	2.756In
Cover 3	0.000In	2.756In	2.756In

Total Seam Lengths (In)

Horizontal	1291.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	394.61	1,2,3,4,5 6,7,8,9,10

