

Genoa: 7000107 Tobias HeadsailV1.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000107 Tobias\7000

Initial Design Date: 27/5/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	11.350m
Leech geodesic:	10.780m
Foot geodesic:	5.400m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.126m
Upper width (HUW):	0.568m
Three-quarter width (HTW):	1.134m
Half width (HHW):	2.378m
Quarter width (HQW):	3.740m
Foot median:	10.908m
ORC Headsail area:	28.000m?
IRC Headsail area:	27.885m?
Surface area:	28.227m?
Forestay height:	11.800m
J:	3.530m

Draft Stripes

1, Luff: 3.762m ; Leech: 3.356m ;
2, Luff: 7.517m ; Leech: 7.010m ;

Luff Curve

11.348m,	0.000m
10.405m,	0.038m
9.362m,	0.070m
8.444m,	0.086m
7.376m,	0.092m
5.647m,	0.080m
3.688m,	0.055m
1.918m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.266m])

100% (11.348m) :	0.000m	-0.000m
90% (10.213m) :	-0.042m	-0.003m
80% (9.080m) :	-0.072m	0.000m
70% (7.944m) :	-0.087m	0.009m
60% (6.809m) :	-0.089m	0.023m
50% (5.674m) :	-0.081m	0.038m
40% (4.540m) :	-0.068m	0.051m
30% (3.404m) :	-0.052m	0.057m
20% (2.270m) :	-0.035m	0.052m
10% (1.134m) :	-0.018m	0.032m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000107 Tobias HeadsailV1.des

Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	21.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	28.28	1,2,3,4,5 6,7,8,9

