

Genoa: 7000510 Philip Headsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000510 Philip\70005

Initial Design Date: 17/5/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic: 6.435m
Leech geodesic: 6.300m
Foot geodesic: 3.600m
Headboard width: 0.030m
Luff perpendicular (HLP): 3.442m
Upper width (HUW): 0.395m
Three-quarter width (HTW): 0.781m
Half width (HHW): 1.627m
Quarter width (HQW): 2.518m
Foot median: 6.221m
ORC Headsail area: 10.747m?
IRC Headsail area: 10.723m?
Surface area: 10.834m?
Forestay height: 7.600m
J: 2.300m

Draft Stripes

1, Luff: 3.231m ; Leech: 3.111m ;

Luff Curve

6.434m, 0.000m
5.899m, 0.022m
5.308m, 0.039m
4.787m, 0.049m
4.182m, 0.052m
3.202m, 0.046m
2.091m, 0.031m
1.087m, 0.015m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.178m])

100% (6.434m) : 0.000m
90% (5.790m) : -0.023m
80% (5.148m) : -0.041m
70% (4.504m) : -0.049m
60% (3.861m) : -0.049m
50% (3.217m) : -0.045m
40% (2.574m) : -0.039m
30% (1.930m) : -0.030m
20% (1.287m) : -0.021m
10% (0.643m) : -0.011m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.000m
0.003m
0.014m
0.026m
0.032m
0.034m
0.033m
0.028m
0.017m
0.000m

Genoa: 7000510 Philip Headsail.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

	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	8.53
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	10.87	1,2,3,4,5 6

