

Genoa: 7000129 Torstein-2 Nauticat 33 headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7000129 Torstein

Initial Design Date: 13/4/2024
Boat:
Nauticat 33
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 10.098m
Leech geodesic: 10.026m
Foot geodesic: 5.644m
Headboard width: 0.035m
Luff perpendicular (HLP): 5.434m
Upper width (HUW): 0.610m
Three-quarter width (HTW): 1.218m
Half width (HHW): 2.572m
Quarter width (HQW): 3.991m
Foot median: 9.826m
ORC Headsail area: 26.618m?
IRC Headsail area: 26.532m?
Surface area: 26.800m?
Forestay height: 12.410m
J: 4.180m

Draft Stripes

1, Luff: 3.349m ; Leech: 3.433m ;
2, Luff: 6.691m ; Leech: 6.665m ;

Luff Curve

10.096m, 0.000m
9.257m, 0.034m
8.329m, 0.062m
7.512m, 0.076m
6.563m, 0.082m
5.024m, 0.072m
3.281m, 0.049m
1.707m, 0.024m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.278m])

100% (10.096m) : 0.000m
90% (9.085m) : -0.039m
80% (8.079m) : -0.071m
70% (7.068m) : -0.083m
60% (6.058m) : -0.081m
50% (5.048m) : -0.072m
40% (4.039m) : -0.060m
30% (3.029m) : -0.045m
20% (2.020m) : -0.030m
10% (1.009m) : -0.016m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.010m
-0.014m
0.003m
0.026m
0.042m
0.050m
0.051m
0.042m
0.023m
0.000m

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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 | 24.74 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|----------------------|
| Material 1 | 26.88 | 1,2,3,4,5 6,7,8,9 |

