

Genoa: 8000420 Thorsten-2 Bavaria34 furlgenV2.des

Job Number:

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000420 Thorsten

Job No:
Initial Design Date: 6/5/2024
Boat:
Bavaria 34
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 10.791m
Leech geodesic: 10.186m
Foot geodesic: 5.164m
Headboard width: 0.035m
Luff perpendicular (HLP): 4.860m
Upper width (HUW): 0.537m
Three-quarter width (HTW): 1.068m
Half width (HHW): 2.253m
Quarter width (HQW): 3.520m
Foot median: 10.376m
ORC Headsail area: 25.159m?
IRC Headsail area: 25.113m?
Surface area: 25.461m?
Forestay height: 11.300m
J: 3.600m

Draft Stripes

1, Luff: 3.578m ; Leech: 3.182m ;
2, Luff: 7.150m ; Leech: 6.614m ;

Luff Curve

10.789m, 0.000m
9.892m, 0.038m
8.901m, 0.068m
8.028m, 0.084m
7.013m, 0.090m
5.369m, 0.079m
3.506m, 0.053m
1.824m, 0.027m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.253m])

100% (10.789m) : 0.000m
90% (9.710m) : -0.038m
80% (8.633m) : -0.070m
70% (7.553m) : -0.085m
60% (6.474m) : -0.086m
50% (5.395m) : -0.079m
40% (4.316m) : -0.066m
30% (3.237m) : -0.051m
20% (2.158m) : -0.034m
10% (1.078m) : -0.017m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.006m
-0.008m
0.001m
0.015m
0.028m
0.037m
0.038m
0.033m
0.019m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	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	5.43
Radial/Vertical	69.30
Bi-Radial Split	6.42

Materials

Material	Area (m ²)	Panels
Material 1	25.50	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4

