

Genoa: 6001226 Daniel Bavaria 30 cruiser genoa-V1.des

Daniel Peter Job Number: 6001226 Daniel

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\6001226 D

Job No: 6001226 Daniel
Initial Design Date: 31/1/2012
Boat:
Bavaria 30 Cruiser
Client:
Daniel Peter

Comments:
Bavaria 30, FR rig, Tri-radial furlgen,
I = approx. 13.00 m, J = 2.75 m
Luff = max10.80 m, Leech = 10.12 m, Foot = 4.52 m
LP = 4.13 m (138%%)
radial seams = 15 mm, zone seams = 35 mm
clew radial patches, fan patch at head & tack
2 Draft stripe

Design Data
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Genoa

Measurements

Luff geodesic: 10.700m
Leech geodesic: 10.100m
Foot geodesic: 4.500m
Headboard width: 0.040m
Luff perpendicular (HLP): 4.250m
Upper width (HUW): 0.465m
Three-quarter width (HTW): 0.922m
Half width (HHW): 1.971m
Quarter width (HQW): 3.078m
Foot median: 10.301m
ORC Headsail area: 21.797m?
IRC Headsail area: 21.748m?
Surface area: 21.943m?
Forestay height: 13.000m
J: 3.000m

Draft Stripes

1, Luff: 3.545m ; Leech: 3.093m ;
2, Luff: 7.085m ; Leech: 6.534m ;

Luff Curve

10.698m, 0.000m
9.809m, 0.036m
8.826m, 0.066m
7.960m, 0.081m
6.954m, 0.087m
5.324m, 0.076m
3.477m, 0.052m
1.808m, 0.026m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.221m])

100% (10.698m) : 0.000m
90% (9.628m) : -0.041m
80% (8.560m) : -0.075m
70% (7.489m) : -0.089m
60% (6.419m) : -0.088m
50% (5.349m) : -0.079m
40% (4.280m) : -0.066m
30% (3.209m) : -0.050m
20% (2.140m) : -0.033m
10% (1.069m) : -0.017m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.013m
-0.020m
-0.011m
0.006m
0.019m
0.027m
0.028m
0.024m
0.014m
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	0.100m	0.100m	0.100m
Cover 1	0.100m	0.100m	0.100m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.30
Radial/Vertical	82.84
Bi-Radial Split	7.10

Materials

Material	Area (m ²)	Panels
Material 1	21.99	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,1b\10,2\1 2\2,2\3,2b\1,2b\2,2b\3 2b\4,3\1,3\2,3\3,3\4 3\5

