

# Genoa: 8000420 Thorsten-2 Bavaria34 furlgen.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: 23/4/2024  
Boat:  
Bavaria 34  
Client:

Comments:

Design Data  
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### Genoa

#### Measurements

Luff geodesic:	10.950m
Leech geodesic:	10.323m
Foot geodesic:	5.195m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.887m
Upper width (HUW):	0.540m
Three-quarter width (HTW):	1.074m
Half width (HHW):	2.266m
Quarter width (HQW):	3.540m
Foot median:	10.526m
ORC Headsail area:	25.677m?
IRC Headsail area:	25.630m?
Surface area:	25.982m?
Forestay height:	11.300m
J:	3.620m

#### Draft Stripes

1, Luff: 3.631m ; Leech: 3.227m ;  
2, Luff: 7.255m ; Leech: 6.704m ;

#### Luff Curve

10.948m,	0.000m
10.038m,	0.038m
9.032m,	0.068m
8.146m,	0.084m
7.116m,	0.090m
5.448m,	0.079m
3.558m,	0.053m
1.850m,	0.027m
0.000m,	0.000m

#### Fanned Luff (@ 5.00% [0.255m])

100% (10.948m) :	-0.000m
90% (9.853m) :	-0.038m
80% (8.760m) :	-0.071m
70% (7.664m) :	-0.086m
60% (6.569m) :	-0.087m
50% (5.474m) :	-0.080m
40% (4.380m) :	-0.067m
30% (3.284m) :	-0.052m
20% (2.190m) :	-0.035m
10% (1.094m) :	-0.018m
0% (0.000m) :	0.000m

#### Before BSeam

-0.000m
-0.006m
-0.007m
0.001m
0.015m
0.029m
0.037m
0.039m
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

### Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

### Total Seam Lengths (m)

Horizontal	5.47
Radial/Vertical	70.09
Bi-Radial Split	6.51

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	26.02	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

