

# Genoa: 8000327 Christoph Tayana Vancouver 42 CC HeadsailV3.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000327 Christoph

Initial Design Date: 12/4/2024  
Boat:  
Tayana Vancouver 42 CC  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	10.400m
Leech geodesic:	7.681m
Foot geodesic:	5.030m
Headboard width:	0.040m
Luff perpendicular (HLP):	3.611m
Upper width (HUW):	0.408m
Three-quarter width (HTW):	0.803m
Half width (HHW):	1.663m
Quarter width (HQW):	2.615m
Foot median:	8.964m
ORC Headsail area:	18.029m <sup>2</sup>
IRC Headsail area:	17.973m <sup>2</sup>
Surface area:	18.675m <sup>2</sup>
Forestay height:	11.900m
J:	3.900m

### Draft Stripes

1, Luff: 3.448m ; Leech: 0.959m ;  
2, Luff: 6.890m ; Leech: 4.270m ;

### Luff Curve

10.397m,	0.000m
9.533m,	0.035m
8.578m,	0.064m
7.736m,	0.078m
6.758m,	0.084m
5.174m,	0.074m
3.379m,	0.050m
1.757m,	0.025m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.216m])

100% (10.397m) :	-0.000m	-0.000m
90% (9.361m) :	-0.049m	-0.006m
80% (8.318m) :	-0.085m	-0.001m
70% (7.279m) :	-0.102m	0.014m
60% (6.239m) :	-0.102m	0.034m
50% (5.199m) :	-0.092m	0.052m
40% (4.159m) :	-0.076m	0.063m
30% (3.120m) :	-0.057m	0.066m
20% (2.080m) :	-0.038m	0.060m
10% (1.039m) :	-0.019m	0.039m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.070m	0.100m	0.070m
Cover 3	0.070m	0.070m	0.100m

## Total Seam Lengths (m)

Horizontal	16.83
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	18.69	1,2,3,4,5 6,7,8

