

# Genoa: 8001034-1 Sondre Grinde27 Headsail.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001034 Sondre G

Initial Design Date: 8/11/2024  
Boat:  
Grinde 27  
Client:

Comments:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic: 10.791m  
Leech geodesic: 10.157m  
Foot geodesic: 4.713m  
Headboard width: 0.035m  
Luff perpendicular (HLP): 4.440m  
Upper width (HUW): 0.495m  
Three-quarter width (HTW): 0.982m  
Half width (HHW): 2.059m  
Quarter width (HQW): 3.218m  
Foot median: 10.340m  
ORC Headsail area: 23.011m?  
IRC Headsail area: 22.964m?  
Surface area: 23.109m?  
Forestay height: 11.250m  
J: 3.700m

### Draft Stripes

1, Luff: 3.578m ; Leech: 3.228m ;  
2, Luff: 7.150m ; Leech: 6.630m ;

### Luff Curve

10.789m, 0.000m  
9.892m, 0.037m  
8.901m, 0.066m  
8.028m, 0.081m  
7.013m, 0.087m  
5.369m, 0.077m  
3.506m, 0.052m  
1.824m, 0.026m  
0.000m, 0.000m

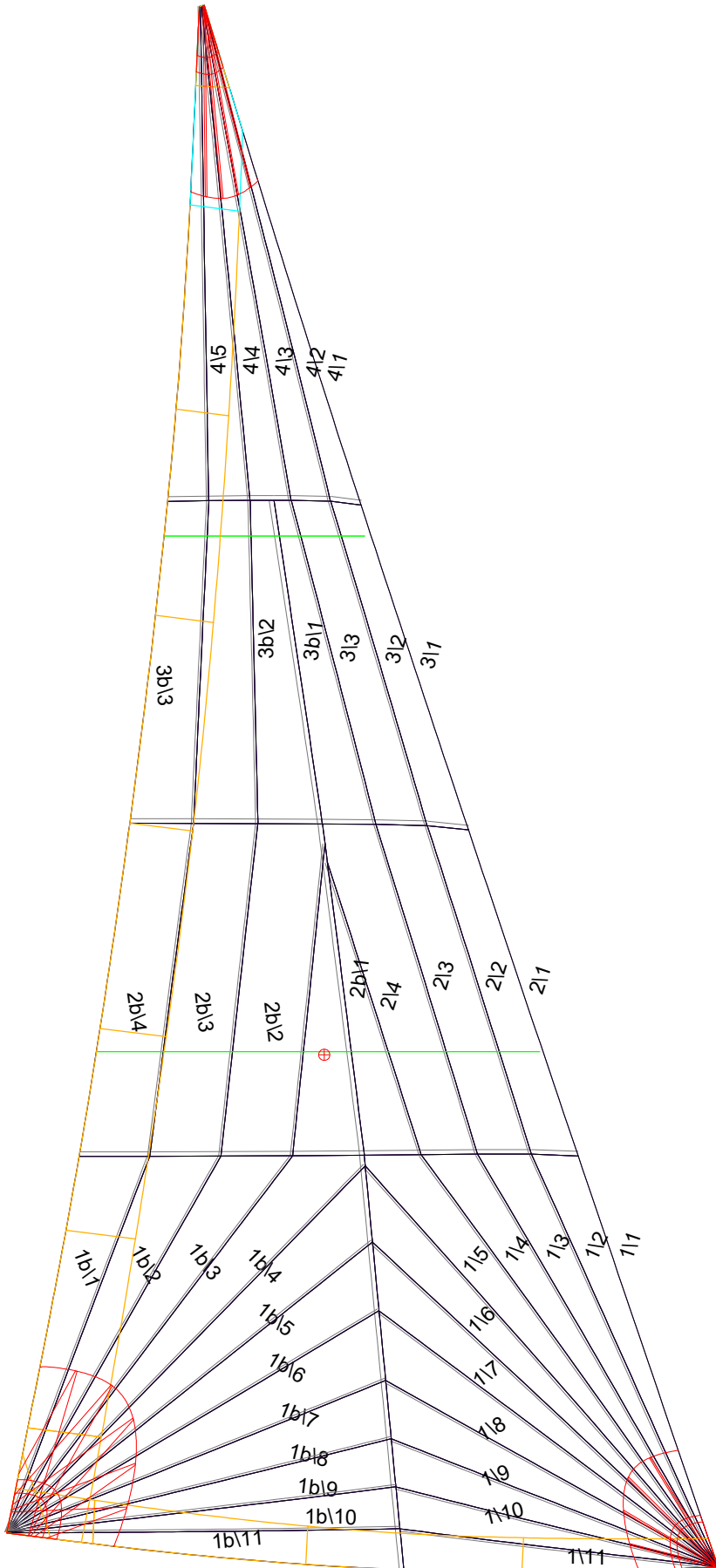
### Fanned Luff (@ 5.00% [0.233m])

100% (10.789m) : 0.000m  
90% (9.709m) : -0.038m  
80% (8.633m) : -0.066m  
70% (7.553m) : -0.081m  
60% (6.474m) : -0.084m  
50% (5.395m) : -0.078m  
40% (4.316m) : -0.066m  
30% (3.237m) : -0.051m  
20% (2.158m) : -0.035m  
10% (1.078m) : -0.019m  
0% (0.000m) : 0.000m

### Before BSeam

-0.000m  
-0.007m  
-0.008m  
-0.002m  
0.009m  
0.019m  
0.026m  
0.028m  
0.026m  
0.017m  
0.000m

# Genoa: 8001034-1 Sondre Grinde27 Headsail.des



## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3/a	0.030m	0.015m	0.030m
Zone: 3/b	0.030m	0.015m	0.030m
Zone: 4	0.030m	0.015m	0.030m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

## Edge Excesses

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

## Total Seam Lengths (m)

Horizontal	7.07
Radial/Vertical	92.13
Bi-Radial Split	7.39

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.16	1l1, 1l2, 1l3, 1l4, 1l5 1l6, 1l7, 1l8, 1l9, 1l10 1l11, 1b1, 1b2, 1b3, 1b4 1b5, 1b6, 1b7, 1b8, 1b9 1b10, 1b11, 2l1, 2l2, 2l3 2l4, 2b1, 2b2, 2b3, 2b4 3l1, 3l2, 3l3, 3b1, 3b2 3b3, 4l1, 4l2, 4l3, 4l4 4l5