

# Genoa: 8000519 Soren-2 Dehler 35CR Furljib.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000519 Soren De

Initial Design Date: 29/5/2024  
Boat:  
Dehler 35CR  
Client:

Comments:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic:	12.160m
Leech geodesic:	11.664m
Foot geodesic:	4.205m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.040m
Upper width (HUW):	0.454m
Three-quarter width (HTW):	0.886m
Half width (HHW):	1.845m
Quarter width (HQW):	2.910m
Foot median:	11.819m
ORC Headsail area:	23.469m?
IRC Headsail area:	23.405m?
Surface area:	23.426m?
Forestay height:	12.600m
J:	3.700m

### Draft Stripes

1, Luff: 4.026m ; Leech: 3.823m ;  
2, Luff: 8.046m ; Leech: 7.673m ;

### Luff Curve

12.159m,	0.000m
11.148m,	0.031m
10.031m,	0.055m
9.047m,	0.068m
7.903m,	0.073m
6.051m,	0.064m
3.952m,	0.043m
2.055m,	0.022m
0.000m,	0.000m

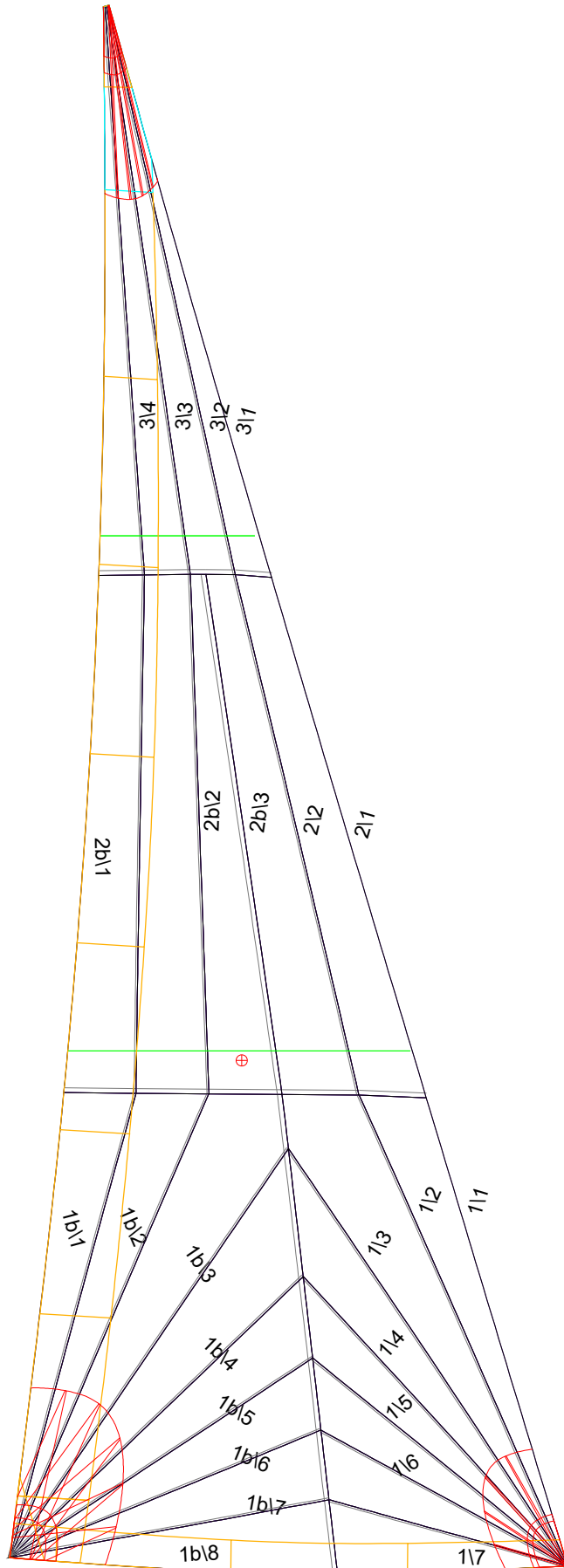
### Fanned Luff (@ 5.00% [0.208m])

100% (12.159m) :	0.000m
90% (10.942m) :	-0.031m
80% (9.728m) :	-0.054m
70% (8.511m) :	-0.066m
60% (7.296m) :	-0.068m
50% (6.080m) :	-0.063m
40% (4.864m) :	-0.054m
30% (3.648m) :	-0.043m
20% (2.432m) :	-0.030m
10% (1.215m) :	-0.016m
0% (0.000m) :	0.000m

### Before BSeam

-0.000m
-0.005m
-0.005m
0.001m
0.010m
0.018m
0.024m
0.026m
0.023m
0.015m
0.000m

# Genoa: 8000519 Soren-2 Dehler 35CR Furljib.des



## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	0.035m
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	4.18
Radial/Vertical	63.93
Bi-Radial Split	7.72

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.47	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4