

# Genoa: 8000806 Ryan J80 135% genoaV1.des

## Design Info =====

Design File: \\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000806 Ryan J80

Initial Design Date: 15/8/2024  
Boat:  
J 80  
Client:

Comments:

## Design Data =====

### Genoa

#### Measurements

Luff geodesic: 9.280m  
Leech geodesic: 8.963m  
Foot geodesic: 4.061m  
Headboard width: 0.050m  
Luff perpendicular (HLP): 3.909m  
Upper width (HUW): 0.464m  
Three-quarter width (HTW): 0.897m  
Half width (HHW): 1.848m  
Quarter width (HQW): 2.872m  
Foot median: 9.180m  
ORC Headsail area: 17.669m?  
IRC Headsail area: 17.599m?  
Surface area: 18.118m?  
Forestay height: 9.601m  
J: 2.896m

#### Draft Stripes

1, Luff: 3.073m ; Leech: 2.950m ;  
2, Luff: 6.228m ; Leech: 5.993m ;

#### Luff Curve

9.280m, 0.000m  
6.960m, 0.029m  
4.640m, 0.038m  
2.320m, 0.029m  
0.000m, 0.000m

#### Fanned Luff (@ 5.00% [0.201m])

100% (9.279m) : 0.000m  
90% (8.351m) : -0.012m  
80% (7.424m) : -0.023m  
70% (6.496m) : -0.033m  
60% (5.568m) : -0.039m  
50% (4.640m) : -0.042m  
40% (3.712m) : -0.042m  
30% (2.784m) : -0.039m  
20% (1.856m) : -0.032m  
10% (0.927m) : -0.018m  
0% (0.000m) : -0.000m

#### Before BSeam

0.000m  
0.017m  
0.033m  
0.045m  
0.055m  
0.061m  
0.064m  
0.059m  
0.045m  
0.022m  
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.15
Radial/Vertical	52.33
Bi-Radial Split	6.06

## Materials

Material	Area (m <sup>2</sup> )	Panels
8oz p	18.15	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

