

# Genoa: 7000219 Romain headsail.des

Design Info  
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Design File:  
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000219 Romain\7000219 R

Initial Design Date: 28/2/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 11.400m  
Leech geodesic: 10.900m  
Foot geodesic: 5.261m  
Headboard width: 0.033m  
Luff perpendicular (HLP): 5.003m  
Upper width (HUW): 0.560m  
Three-quarter width (HTW): 1.112m  
Half width (HHW): 2.316m  
Quarter width (HQW): 3.627m  
Foot median: 11.033m  
ORC Headsail area: 27.394m?  
IRC Headsail area: 27.332m?  
Surface area: 27.670m?  
Forestay height: 11.850m  
J: 3.690m

### Luff Curve

		Fanned Luff (@ 5.00% [0.259m])	Before BSeam
11.398m,	0.000m	100% (11.398m) :	0.000m
10.451m,	0.039m	90% (10.258m) :	-0.002m
9.403m,	0.070m	80% (9.120m) :	-0.000m
8.481m,	0.086m	70% (7.979m) :	0.008m
7.409m,	0.092m	60% (6.839m) :	0.019m
5.672m,	0.081m	50% (5.699m) :	0.029m
3.704m,	0.055m	40% (4.560m) :	0.035m
1.927m,	0.027m	30% (3.419m) :	0.034m
0.000m,	0.000m	20% (2.280m) :	0.029m
		10% (1.139m) :	0.019m
		0% (0.000m) :	0.000m

### Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	15.853%	41.000%	19.969?	60.870?	-25.377?	0.000m	12.515%	11.697%
90.00%	15.444%	40.500%	17.972?	59.799?	-24.838?	-0.076m	12.218%	11.502%
80.00%	15.012%	40.000%	15.975?	58.520?	-23.980?	-0.145m	11.887%	11.237%
60.00%	13.739%	39.000%	11.982?	56.964?	-22.275?	-0.228m	10.955%	10.392%
40.00%	11.906%	38.000%	7.988?	55.305?	-19.765?	-0.231m	9.609%	9.116%
20.00%	9.318%	37.000%	3.994?	53.814?	-16.105?	-0.149m	7.698%	7.239%
10.00%	8.003%	36.500%	1.997?	52.576?	-13.177?	-0.079m	6.711%	6.228%
0.00%	5.886%	36.000%	0.000?	51.473?	-10.160?	0.000m	5.130%	4.629%

### Chord Data

Luff LL : 11.3978m  
Leech : 10.8284m  
Luff Perpendicular : 4.7344m  
Clew Height : 0.2032m  
Headboard width : 0.0330m

### Fanned Foot Curve Depths

25.0% 50.0% 75.0%  
0.1131m 0.1506m 0.1211m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

### Total Seam Lengths (m)

Horizontal	21.60
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.75	1,2,3,4,5 6,7,8,9

