

# Genoa: 7000503 Ken hanks Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000503 Ken\7000503

Initial Design Date: 12/5/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	9.108m
Leech geodesic:	8.300m
Foot geodesic:	3.200m
Headboard width:	0.050m
Luff perpendicular (HLP):	2.916m
Upper width (HUW):	0.316m
Three-quarter width (HTW):	0.618m
Half width (HHW):	1.300m
Quarter width (HQW):	2.082m
Foot median:	8.653m
ORC Headsail area:	12.547m?
IRC Headsail area:	12.494m?
Surface area:	12.620m?
Forestay height:	9.800m
J:	2.600m

## Draft Stripes

1, Luff: 3.018m ; Leech: 2.366m ;  
2, Luff: 6.031m ; Leech: 5.279m ;

## Luff Slides

1, Position: 0.350m  
2, Position: 1.051m  
3, Position: 1.751m  
4, Position: 2.452m  
5, Position: 3.153m  
6, Position: 3.853m  
7, Position: 4.554m  
8, Position: 5.255m  
9, Position: 5.955m  
10, Position: 6.656m  
11, Position: 7.357m  
12, Position: 8.057m  
13, Position: 8.758m

## Luff Curve

9.106m,	0.000m
8.349m,	0.033m
7.512m,	0.059m
6.776m,	0.073m
5.919m,	0.078m
4.531m,	0.068m
2.959m,	0.046m
1.539m,	0.023m
0.000m,	0.000m

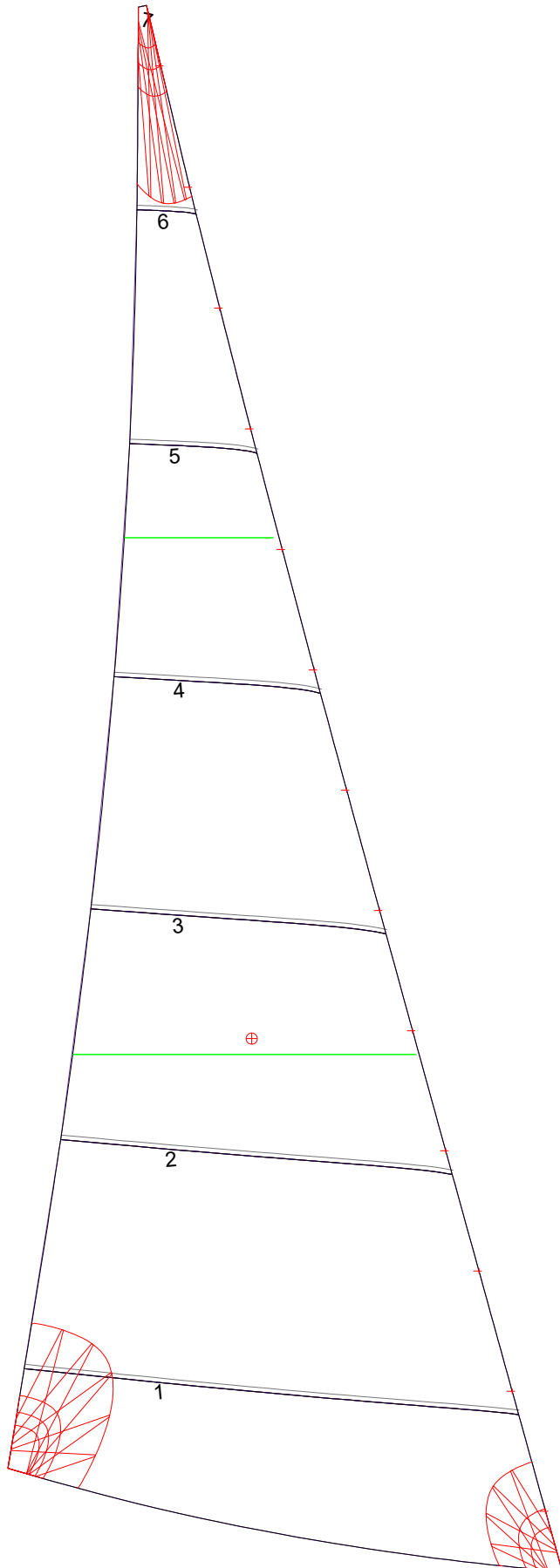
## Fanned Luff (@ 5.00% [0.156m])

100% (9.106m) :	0.000m
90% (8.196m) :	-0.040m
80% (7.286m) :	-0.066m
70% (6.375m) :	-0.078m
60% (5.464m) :	-0.080m
50% (4.553m) :	-0.072m
40% (3.643m) :	-0.060m
30% (2.732m) :	-0.046m
20% (1.822m) :	-0.031m
10% (0.910m) :	-0.016m
0% (0.000m) :	0.000m

## Before BSeam

-0.000m
-0.020m
-0.024m
-0.021m
-0.015m
-0.005m
0.004m
0.012m
0.012m
0.007m
0.000m

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

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

### Total Seam Lengths (m)

Horizontal	9.27
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.66	1,2,3,4,5 6,7