

# Genoa: 7000501 Dan 4D Membrane Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000501 Dan\7000501

Initial Design Date: 9/5/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	14.480m
Leech geodesic:	13.835m
Foot geodesic:	6.702m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.378m
Upper width (HUW):	0.697m
Three-quarter width (HTW):	1.398m
Half width (HHW):	2.959m
Quarter width (HQW):	4.628m
Foot median:	13.963m
ORC Headsail area:	44.313m?
IRC Headsail area:	44.216m?
Surface area:	44.605m?
Forestay height:	14.630m
J:	4.115m

### Draft Stripes

- 1, Luff: 3.635m ; Leech: 3.180m ;
- 2, Luff: 7.268m ; Leech: 6.754m ;
- 3, Luff: 10.889m ; Leech: 10.280m ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.330m])	Before BSeam
14.477m,	0.000m	100% (14.478m) :	-0.000m
13.274m,	0.049m	90% (13.029m) :	-0.006m
11.944m,	0.089m	80% (11.584m) :	-0.006m
10.772m,	0.109m	70% (10.135m) :	0.009m
9.411m,	0.117m	60% (8.687m) :	0.029m
7.204m,	0.103m	50% (7.239m) :	0.041m
4.705m,	0.070m	40% (5.791m) :	0.047m
2.447m,	0.035m	30% (4.343m) :	0.051m
0.000m,	0.000m	20% (2.896m) :	0.048m
		10% (1.447m) :	0.030m
		0% (0.000m) :	0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.080m	0.080m	0.080m
Zone: 2	0.080m	0.080m	0.080m
Zone: 3	0.080m	0.080m	0.080m
Zone: 4	0.080m	0.080m	0.080m
Zone: 5	0.080m	0.080m	0.080m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	13.36
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	44.79	1\1,2\1,3\1,4\1,5\1

