

# Genoa: 7000608 Magnus 707radial hank jibV1.des

## Fareast / Michael Job Number:

Design Info  
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Design File:  
 \\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000608 Magnus\700

Job No:  
 Initial Design Date: 13/6/2023  
 Boat:  
 707  
 Client:  
 Fareast / Michael

Comments:

Design Data  
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### Genoa

#### Measurements

Luff geodesic:	7.781m
Leech geodesic:	7.413m
Foot geodesic:	3.894m
Headboard width:	0.050m
Luff perpendicular (HLP):	3.710m
Upper width (HUW):	0.459m
Three-quarter width (HTW):	0.886m
Half width (HHW):	1.794m
Quarter width (HQW):	2.754m
Foot median:	7.588m
ORC Headsail area:	14.244m?
IRC Headsail area:	14.192m?
Surface area:	14.705m?
Forestay height:	8.000m
J:	2.500m

#### Draft Stripes

1, Luff: 2.580m ; Leech: 2.365m ;  
 2, Luff: 5.147m ; Leech: 4.845m ;

#### Luff Slides

1, Position: 0.494m  
 2, Position: 1.188m  
 3, Position: 1.882m  
 4, Position: 2.576m  
 5, Position: 3.270m  
 6, Position: 3.965m  
 7, Position: 4.659m  
 8, Position: 5.353m  
 9, Position: 6.047m  
 10, Position: 6.741m  
 11, Position: 7.435m

#### Luff Curve

7.780m,	0.000m
7.012m,	0.014m
5.835m,	0.031m
3.890m,	0.041m
1.945m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.192m])		Before BSeam
100% (7.780m) :	0.000m	-0.000m
90% (7.002m) :	-0.014m	0.011m
80% (6.225m) :	-0.026m	0.022m
70% (5.446m) :	-0.036m	0.033m
60% (4.668m) :	-0.041m	0.044m
50% (3.890m) :	-0.043m	0.052m
40% (3.112m) :	-0.042m	0.056m
30% (2.334m) :	-0.037m	0.057m
20% (1.556m) :	-0.028m	0.050m
10% (0.777m) :	-0.015m	0.031m
0% (0.000m) :	-0.000m	0.000m

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### Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	0.025m
Zone: 4	0.025m	0.014m	0.025m

### Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

### Total Seam Lengths (m)

Horizontal	5.75
Radial/Vertical	49.49
Bi-Radial Split	2.16

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	14.72	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\7,2\1 2\2,2\3,2\4,2\5,2\6 3\1,3\2,3\3,3\4,3\5 4\1,4\2,4\3,4\4

