

Genoa: 7000616 Kenneth-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000616 Kenneth\700

Initial Design Date: 30/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.811m
Leech geodesic:	8.823m
Foot geodesic:	5.469m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.250m
Upper width (HUW):	0.605m
Three-quarter width (HTW):	1.209m
Half width (HHW):	2.514m
Quarter width (HQW):	3.867m
Foot median:	8.557m
ORC Headsail area:	22.581m ²
IRC Headsail area:	22.534m ²
Surface area:	22.799m ²
Forestay height:	10.700m
J:	3.500m

Draft Stripes

- 1, Luff: 2.922m ; Leech: 2.940m ;
- 2, Luff: 5.838m ; Leech: 5.828m ;

Luff Curve

8.809m,	0.000m
8.077m,	0.030m
7.268m,	0.054m
6.555m,	0.066m
5.726m,	0.071m
4.384m,	0.063m
2.863m,	0.042m
1.489m,	0.021m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.270m])

100% (8.810m) :	-0.000m	0.000m
90% (7.928m) :	-0.031m	0.003m
80% (7.049m) :	-0.057m	0.010m
70% (6.167m) :	-0.068m	0.028m
60% (5.286m) :	-0.069m	0.046m
50% (4.405m) :	-0.063m	0.055m
40% (3.524m) :	-0.053m	0.056m
30% (2.643m) :	-0.041m	0.053m
20% (1.762m) :	-0.028m	0.045m
10% (0.880m) :	-0.015m	0.026m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	21.30
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.86	1,2,3,4,5 6,7,8

