

# Genoa: 8000701 Age-2 Grinde 27 157% furlgen.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000701 Age Grin

Initial Design Date: 22/7/2024  
Boat:  
Grinde 27  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	11.100m
Leech geodesic:	10.752m
Foot geodesic:	6.099m
Headboard width:	0.045m
Luff perpendicular (HLP):	5.809m
Upper width (HUW):	0.670m
Three-quarter width (HTW):	1.335m
Half width (HHW):	2.775m
Quarter width (HQW):	4.282m
Foot median:	10.686m
ORC Headsail area:	31.475m?
IRC Headsail area:	31.381m?
Surface area:	31.778m?
Forestay height:	11.250m
J:	3.700m

### Draft Stripes

1, Luff: 2.788m ; Leech: 2.615m ;  
2, Luff: 5.576m ; Leech: 5.336m ;  
3, Luff: 8.351m ; Leech: 8.020m ;

### Luff Slides

1, Position: 0.500m  
2, Position: 1.221m  
3, Position: 1.943m  
4, Position: 2.664m  
5, Position: 3.386m  
6, Position: 4.107m  
7, Position: 4.829m  
8, Position: 5.550m  
9, Position: 6.271m  
10, Position: 6.993m  
11, Position: 7.714m  
12, Position: 8.436m  
13, Position: 9.157m  
14, Position: 9.879m  
15, Position: 10.600m

### Luff Curve

		Fanned Luff (@ 5.00% [0.298m])	Before BSeam
11.098m,	0.000m	100% (11.098m) :	0.000m
10.176m,	0.038m	90% (9.987m) :	-0.043m
9.156m,	0.068m	80% (8.880m) :	-0.073m
8.258m,	0.084m	70% (7.769m) :	-0.087m
7.214m,	0.090m	60% (6.659m) :	-0.088m
5.523m,	0.079m	50% (5.549m) :	-0.080m
3.607m,	0.053m	40% (4.440m) :	-0.067m
1.876m,	0.027m	30% (3.329m) :	-0.051m
0.000m,	0.000m	20% (2.220m) :	-0.035m
		10% (1.109m) :	-0.018m
		0% (0.000m) :	0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	6.28
Radial/Vertical	101.92
Bi-Radial Split	7.04

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	31.81	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,2\1,2\2,2\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5

