

## MAST SECTIONS - Aluminum

### Dwyer DM-284

w	0.908	lbs/ft
y	2.84	in
x	2.12	in
lyy	0.610	in^4
lxx	0.334	in^4

### i550 - Original Plans

1.35	kg/m
72.1	mm
53.8	mm
25.4	cm^4
13.9	cm^4

feet	\$	15.75
24.70	\$	389.03
feet		
26		23.61 lbs.



### Selden/Proctor 3525

w	0.94	lbs/ft
y	3.54	in
x	2.52	in
lyy	1.033	in^4
lxx	0.697	in^4

### Viper 640

1.40	kg/m
90	mm
64	mm
43	cm^4
29	cm^4

feet	Complete rig
29.5	< \$500 (USED)
feet	
26	24.46 lbs.



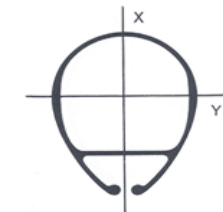
### Dwyer DM-4

w	1.05	lbs/ft
y	3.00	in
x	2.40	in
lyy	0.732	in^4
lxx	0.548	in^4

### i550 - Aluminum Mast of choice

1.56	kg/m
76.2	mm
61.0	mm
30.5	cm^4
22.8	cm^4

feet	\$	18.65
24.58	\$	458.48
29.50	\$	550.18
26		27.3 lbs.



### Dwyer DM-5

w	1.11	lbs/ft
y	3.25	in
x	2.63	in
lyy	0.966	in^4
lxx	0.691	in^4

1.65	kg/m
82.6	mm
66.8	mm
40.2	cm^4
28.8	cm^4

feet	\$	19.80
26.00	\$	514.80
feet		
26		28.86 lbs.



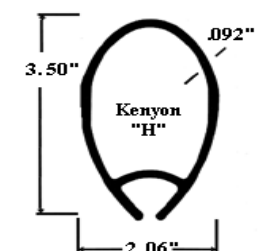
### Kenyon H Section

w	1.1	lbs/ft
y	3.50	in
x	2.06	in
lyy	1.000	in^4
lxx	0.420	in^4

### i550- Wild Child (1st mast)

1.64	kg/m
88.9	mm
52.3	mm
41.6	cm^4
17.5	cm^4

feet		
26		28.6 lbs.



### Dwyer DM-368

w	1.29	lbs/ft
y	3.68	in
x	2.44	in
lyy	1.600	in^4
lxx	0.751	in^4

### i550 on plans

1.92	kg/m
93.5	mm
62.0	mm
66.6	cm^4
31.3	cm^4

feet	\$	22.25
26.33	\$	585.92
30.42	\$	676.77
26		33.54 lbs.



### Selden/Proctor 4028

w	1.28	lbs/ft
y	4.02	in
x	2.80	in
lyy	1.994	in^4
lxx	0.913	in^4

### SB3, Sonar

1.90	kg/m
102.0	mm
71.0	mm
83.0	cm^4
38.0	cm^4

feet		
26		33.2 lbs.



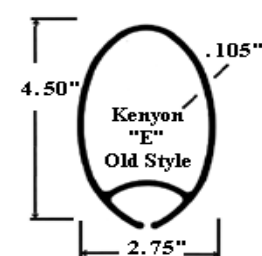
### Kenyon E Section

w	1.5	lbs/ft
y	4.50	in
x	2.75	in
lyy	2.700	in^4
lxx	1.200	in^4

### Tempest, San Juan 21

2.23	kg/m
114.3	mm
69.9	mm
112.4	cm^4
49.9	cm^4

feet		
26		39 lbs.



### Z Spar

w		lbs/ft
y		in
x		in
lyy		in^4
lxx		in^4

### i550 - Wild Child (New Mast)

0.00	kg/m
0.0	mm
0.0	mm
0.0	cm^4
0.0	cm^4

feet		
26		0 lbs.

<https://www.dwyermast.com/default.asp>



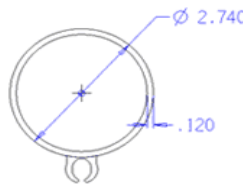
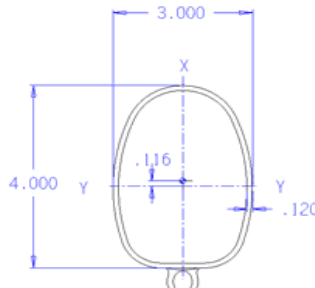
<http://www.seldenmast.co.uk>

[http://www.rigrite.com/Spars/Kenyon\\_Spars/KENYON.html#Kenyon Mast Sections](http://www.rigrite.com/Spars/Kenyon_Spars/KENYON.html#Kenyon Mast Sections)

<http://www.allspars.co.uk/dayboattuning/mastsections.html>

<http://www.apsltd.com/c-933-mast-boom-and-spreader-parts.aspx>

conversions		
kg/m	0.6720	lbs/ft
mm	0.0394	in
cm^4	0.0240	in^4

MAST SECTIONS - Carbon Fiber																					
<b>C-Tech</b>			<b>I550 (Chicago, So Cal, Baltimore)</b>																		
w	0.56	lbs/ft	0.84	kg/m	ESTIMATED																
y	2.76	in	70.0	mm																	
x	2.76	in	70.0	mm																	
thk	0.10	in	2.6	mm																	
lyy		in^4		cm^4		feet															
lxx		in^4		cm^4		26	14.69 lbs.	14.68745	est												
<b>CST-681</b>			<b>I550 (Portland - PRELIMINARY)</b>																		
w	0.63	lbs/ft	0.94	kg/m	ESTIMATED																
y	2.60	in	66.0	mm																	
x	2.60	in	66.0	mm																	
thk		in		mm																	
lyy	1.46	in^4	60.94	cm^4	ESTIMATED	feet															
lxx	0.88	in^4	36.50	cm^4	ESTIMATED	26	16.38 lbs.														
<b>Selden - Series 3</b>			<b>Merlin Rocket, Fly Dutchman</b>																		
w	0.32 - 0.44	lbs/ft	0.47 - 0.65	kg/m																	
y	2.52	in	64.0	mm																	
x	2.05	in	52.0	mm																	
thk	0.10	in	2.6	mm																	
lyy	0.43 - 0.65	in^4	18 - 27	cm^4		feet															
lxx	0.36 - 0.55	in^4	15 - 23	cm^4		26	9.78 lbs.														
<b>Selden - Series 4</b>			<b>International 14, K19</b>																		
w	0.46 - 0.59	lbs/ft	0.68 - 0.88	kg/m																	
y	3.11	in	79.0	mm																	
x	2.44	in	62.0	mm																	
thk		in		mm																	
lyy	0.65 - 0.99	in^4	27 - 41	cm^4		feet															
lxx	0.55 - 0.82	in^4	23 - 34	cm^4		26	13.63 lbs.														
<b>Selden - CC086</b>			<b>X</b>																		
w	0.60 - 0.67	lbs/ft	0.90 - 1.00	kg/m																	
y	3.43	in	87.0	mm																	
x	2.44	in	62.0	mm																	
thk	0.09 - 0.12	in	2.4 - 3.0	mm																	
Elyy		in^4	30 - 47	GNmm2		feet															
Elxx		in^4	18 - 30	GNmm2		26	16.6 lbs.														
<b>Forte R2740</b>			<b>-</b>																		
w	0.649	lbs/ft	0.97	kg/m																	
y	2.74	in	69.6	mm																	
x	2.74	in	69.6	mm																	
thk	0.12	in	3.0	mm																	
lyy	0.849	in^4	35.3	cm^4		feet															
lxx	0.849	in^4	35.3	cm^4		26	16.88 lbs.														
<b>Forte D-4000</b>			<b>-</b>																		
w	0.748	lbs/ft	1.11	kg/m																	
y	4.00	in	101.6	mm																	
x	3.00	in	76.2	mm																	
thk	0.12	in	3.0	mm																	
lyy	2.079	in^4	86.5	cm^4		feet															
lxx	1.133	in^4	47.2	cm^4		26	19.44 lbs.														
<b>in-lbs</b>			<b>X</b>																		
w	-	lbs/ft	X - X	kg/m																	
y		in	X	mm																	
x		in	X	mm																	
thk		in	X	mm																	
lyy	-	in^4	X - X	cm^4		feet															
lxx	-	in^4	X - X	cm^4		26	0 lbs.														
<b>mm-kg</b>			<b>X</b>																		
w	X - X	lbs/ft	-	kg/m																	
y	X	in		mm																	
x	X	in		mm																	
thk	X	in		mm																	
lyy	X - X	in^4	-	cm^4		feet															
lxx	X - X	in^4	-	cm^4		26	0 lbs.														
<div><a href="http://www.seldenmast.co.uk">http://www.seldenmast.co.uk</a> <a href="http://fortecarbon.com/marine/mast-section-diagrams/">http://fortecarbon.com/marine/mast-section-diagrams/</a> <a href="http://www.c-tech.co.nz/shop/Class+Products/Sport+boats/i550.html#i550_products">http://www.c-tech.co.nz/shop/Class+Products/Sport+boats/i550.html#i550_products</a></div> <table><tr><th colspan="3">conversions</th></tr><tr><td>kg/m</td><td>0.6720</td><td>lbs/ft</td></tr><tr><td>mm</td><td>0.0394</td><td>in</td></tr><tr><td>cm^4</td><td>0.0240</td><td>in^4</td></tr></table>										conversions			kg/m	0.6720	lbs/ft	mm	0.0394	in	cm^4	0.0240	in^4
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