

***IOM Headsail Boom Kit***  
***Lightweight Version***  
*also useful for 36R class*

**BOOM**

1	piece arrow shaft, 10 mm diameter	circa
400 mm		

Quantity	Item Description	SAILSETC Cat No
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**FITTINGS**

1	boom band	48-100
2	bowsie, small	57C
1	small crimp	70-012
1	'O' ring for 10 mm diameter	82-010
1	hook, wire	87B (note 1)
1	clip hook, large	87-025
1	headsail boom fitting, forward end	101-100 (note 2)
1	allen key for above	-
1	headsail boom fitting, aft end	101G
1	clew attachment	105-100
1	forestay attachment, three holes	106-100

**DRAWINGS**

1	Headsail Boom Kit - Lightweight Version - One Metre BOOM-H-LW
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*note 1*

*alternatively use the ball raced headsail boom swivel, item 120-100*

*note 2*

*the counterbalance weight is NOT included in this kit - order item 102-15 if required.*

## Instructions:

- 99 The boom material is provided at the correct length - 400 mm.
- 100 If the boom is to be used on a SAILSetc IOM, tie the middle of a 500 mm long piece of D30 around the boom band with pin, item 46-100, and then add it to the boom. After you have rigged the boom and established the correct position for this fitting you can fix it in place with cyanoglue. Add the bowsie, clip hook and 'O' ring to the line aft of the fitting as shown. Add a bowsie to the line forward of the fitting - it will be used to tension the headsail luff.
- If the boom is to be fitted with a ball race swivel (item 120-100) place it where shown relying on its own in-built friction to keep it in place. In this case add the lines as shown.*
- 101 Add the attachment for the headsail sheet where shown. After you have rigged the boom and established the correct position for this fitting you can fix it in place with cyanoglue.
- 102 Push the clew attachment fitting onto the aft end of the boom and carefully bend the hook part of the fitting forward through about 45 degrees until it is open enough to permit the clew eyelet of the headsail to hook on.
- Because they are made of soft stainless steel the hole in items 105-100 and 106-100 can be distorted to a slight oval shape until it grips the tube enough to permit alteration of their position on the boom.*
- 103 Cut the wire for the forestay (1500 mm approximately). Pass one end through the small hole in the central hole of the forestay attachment fitting, 106-100, and form a small loop with a crimp leaving about 50 mm of excess wire projecting. Push the fitting onto the boom in approximately the correct place. After you have rigged the boom and established the correct position for this fitting you can fix it in place with cyanoglue.
- 104 Add the forward end fitting by pushing it into the boom end. Choose whether you want the screw head on the top or to one side of the boom. Use a spot of cyanoacrylate glue to lock in place.
- 105 To fit a counterbalance weight, slacken the screw a little, push the wire of the counterbalance weight into the hole in the forward end fitting and re-tighten the screw.
- When the boom is rigged on the boat you should ensure the counterbalance weight does not project beyond the bow.*
- 106 Applies if the boom band with pin/ring system or ball race headsail boom swivel is not to be used.
- Take 250 mm of D50 and tie one end to the boom where indicated. Tie the hook to the other end leaving 20-40 mm gap between the hook and boom. Carefully lock in place with a spot of cyanoglue taking care not to stiffen the intervening line with glue.
- 107 Push the headsail boom fitting, aft end, item 101G, into the aft end of the boom and, after ensuring it aligns properly with the other fittings, lock in place with a spot of cyanoglue.
- end

