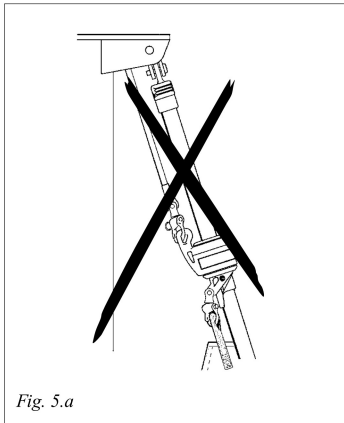


5 Halyard routing

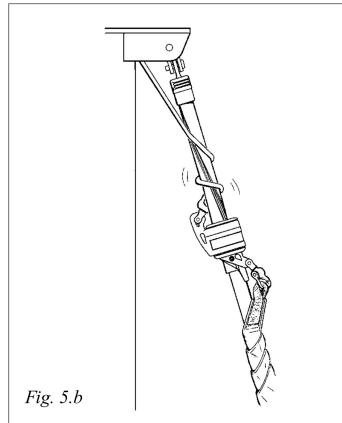
The angle between the halyard and the forestay must be 5–10° - see Fig. 5.4.c. If this angle is less, the halyard may wrap around the luff section when the sail is being furled, possibly damaging the halyard and the luff extrusion. Failure to observe what is happening in this situation may even result in damage to the forestay wire.



Incorrect halyard routing can promote "Halyard wrap" which may cause severe damage to the forestay, and put the entire rig at risk. If the sail is furled with the aid of a winch, take great care. It can be difficult to control the tension on the furling line.



May lead to

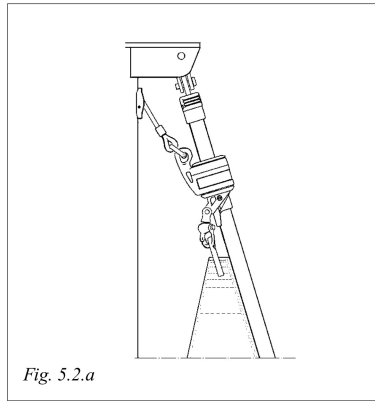


5.1 Halyard leads

To avoid halyard wrap, 2 halyard leads are included in the Furlex kit. These are easy to fit and are suitable for all makes of mast. When sailing, movement occurs between the wire halyard and the halyard lead. To prevent halyard wear, the halyard lead is made of bronze. This is "softer" than a wire halyard, so the halyard lead will wear before the wire. Halyard leads should be inspected once a year and any sharp edges smoothed with a file. The halyard lead should be replaced when wear reaches 50%. The halyard leads are not covered by the 2 year Furlex warranty.

5.2 Halyard sheave box

A sheave box can also be fitted to the mast to meet the 5–10° requirement. The sheave box will not damage the halyard, nor is it worn by the wire. Installation is more complicated but the box will eliminate the need to replace the halyard leads in future as above. Newly manufactured Seldén Masts on which Furlex is to be fitted are always fitted with a sheave box. Sheave box kits (with assembly instructions) are obtainable from all Furlex dealers.



5.2.1 Sheave boxes

Wire Halyard	Ø 4 (5/32")	Ø 5 (3/16")	Ø 6 (1/4")
Rope Halyard	Ø 8(5/16")	Ø10(3/8")	Ø 12(1/2")
Sheave box	AL-45	AL-70	AL-90
Article no.	505-004-10	505-006-10	505-012-10
Sheave width	13 mm(1/2")	13 mm(1/2")	16 mm(5/8")

Fig. 5.2.b

5.3 Spinnaker halyard

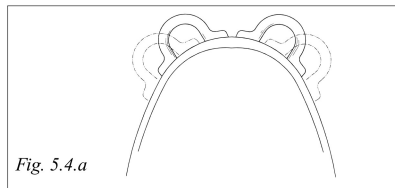
If the boat is equipped with a spinnaker halyard, this must be kept clear of the Furlex-system to avoid halyard wrap. An effective solution is to lead the halyard around the upper shroud and then down aft the spreaders.



Stowing a spinnaker halyard parallel to the Furlex stay is not recommended!

5.4 Fitting the halyard lead

The Furlex kit contains 2 halyard leads. If the mast is equipped with two genoa halyards they should each run through a halyard lead. The halyard leads can be fitted side by side or moved round the side of the mast if there is a lack of space.



To avoid corrosion between the bronze lead and the aluminium mast, each lead is supplied with a self-adhesive insulator sheet. It is important to fit this between the lead and the mast.

Figs. 5.4.c–5.4.e give the fitting measurements for Seldén masts. These measurements can also be used for other makes of mast, but the angle must be checked carefully.

An angle of more than 10° may result in unnecessary wear to the halyard lead.