

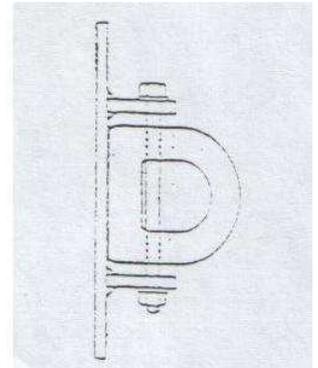
## Fenders Fitting Instructions

### **D Shaped Fenders - Method A**

Metal bars should fillet welded to form angle pieces to hull on each side of the fender, as shown. The distance between the bars should be 12.5mm or more, greater than the nominal base dimension of the fender to be installed. The metal bars should not project more than half the nominal fender projection dimension from the hull.

Drill through the metal and the fender so that the bolt shank will lie above the base of the fender, as shown. A steel strip may be placed in the base of the fender. A steel strip may be placed in the bore of the fender to lie underneath the bolt shank.

Galvanised or non-ferrous components should be used.

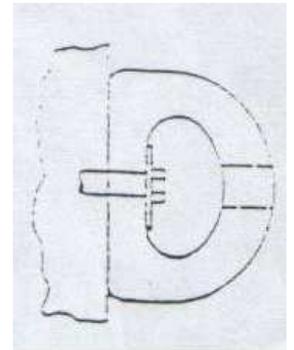


### **D Shaped Fenders - Method B**

A flat metal strip, as wide as possible, is inserted through the bore of the fender. Drill through the fender and the metal strip at 18 inch centres (maximum) for bolts, and 12 inch centres (maximum) for screws. It will be necessary to enlarge the top hole to allow the bolt head to pass through it.

Metal strips should not terminate at the end of one fender, but should extend far enough into the next fender to be anchored by at least one bolt.

Galvanised or non-ferrous components should be used.



### **Solid Rectangular Fenders**

This type of fender may be secured as in Method A, above or alternatively, they may be drilled at regular intervals and countersunk to approximately half their depth, as shown. The holes should be staggered and up to 18 inches apart (maximum), depending on the particular application.

### **Flange Type Fenders**

A metal strip should lie longitudinally along each lug. Bolts or screws pass through this metal strip and the rubber to hold it onto the hull. A staggered arrangement provides better support than if the bolts or screws are opposite each other.

Suggested centres: Maximum 18 inches for bolts and 12 inches for screws.

Metal strips should not terminate at the end of one fender, but should extend far enough onto the next fender to be anchored to at least one point.

Galvanised or non-ferrous components should be used.

