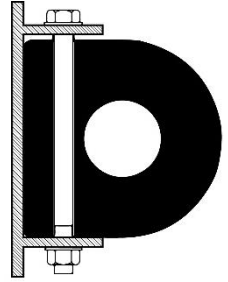## *Fender fitting instructions*

D Shape Fenders – Method A

Metal bars should be fillet welded which will form angle pieces to fit on each side of the fender, as shown in the diagram. The distance between the bars should be at least 12.5mm or more than the nominal base dimension of the fender to be installed. The metal bars should not procced more than half of the nominal fender projection dimensions from the hull.
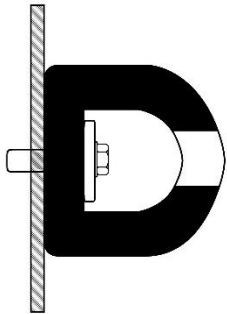
Drill through the metal and the fender so that the bolt shank will sit above the base of the fender, as shown in the diagram. A strip of steel can be placed in the base of the fender. A strip of steel can be placed in the bore of the fender to sit underneath the bolt shank. (Galvanised or non-ferrous components should be used.)
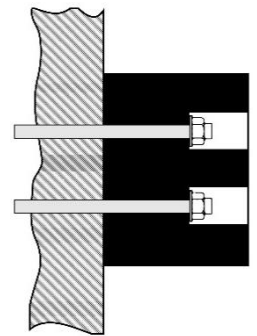
D Shape Fenders – Method B

A flat metal strip as wide as can possibly fit is inserted into the bore of the fender. Drill through both the fender and the metal strip with 18 inch centres maximum for the bolts and then 12 inch centres for the screws. It will be important to make the top hole larger to make sure the bolt head passes through it.

The metal strips should not be terminated at the end of one fender, they should however be extended far enough into the other fender to be attached with at least one bolt. (Galvanised or non-ferrous components should be used.)

Solid Rectangle Fenders

This type of fender can be secured the same way as in Method A. it can also be drilled at exact intervals and countersunk to exactly half of the depth as can be seen in the diagram. The holes should be up to 18 inches apart depending on the application.

Flange Type Fenders

A metal strip should be placed lengthwise along each lug of the fender. Bolts and screws will pass through this strip and the rubber to hold it onto the hull. A staggered arrangement will give better support than if the bolts and screws were placed opposite each other. The suggest centres are a maximum 18 inches for bolts and 12 inches for the screws. The metal strips should not stop at the end of one fender but should extend across far enough onto the next fender to be anchored to at least one point.
 (Galvanised or non-ferrous components should be used.)

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