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# D Fender Fitting

Item Code: RC0801

## Installation Guide

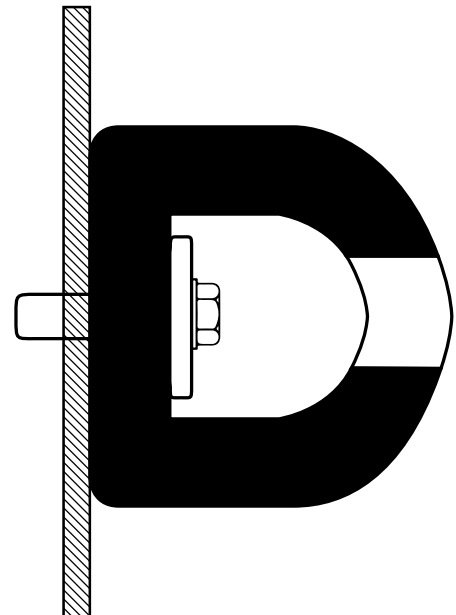
D fenders can be installed using two main methods: Drilled Fixing or Metal Retaining Bars. The drilled method is suitable for DD fenders with a D-shaped internal bore, but not for DO (DC) fenders with a circular bore. The metal retaining bar method can be used for all D fender types and is recommended for heavy-duty industrial and marine applications on steel structures. D fenders are commonly used to protect boat hulls, docks, quay walls, and similar surfaces.

## 1. Drilled Fixing Method

**Required:** Metal fixing strip, bolts or screws, marine-grade sealant, plugging cord, adhesive.

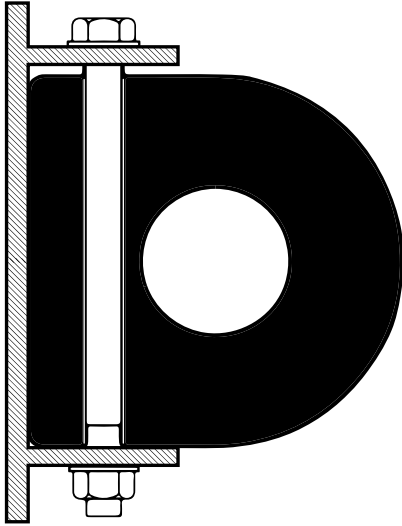
### Steps:

1. Insert a metal fixing strip inside the hollow fender.
2. Position the fender against the hull, dock, or mounting surface.
3. Mark guide holes along the fender at regular intervals, typically 150 mm to 450 mm apart, depending on the fender size.
4. Drill through the fender and the mounting surface. Apply sealant for marine installations.
5. Insert bolts or screws and tighten fully.
6. Cover exposed bolt or screw heads on the outer fender face with a plugging cord bonded with adhesive to create a watertight seal.
7. Trim the cord flush with the fender surface for a neat finish.
8. Ensure all fixings and sealant are marine-grade to prevent corrosion and leaks.



## 2. Metal Retaining Bar Method

**Required:** Fillet-welded metal angle bars, bolts or screws, steel strips (optional), marine-grade fixings.



### Steps:

1. Fabricate metal bars fillet welded to form angle sections.
2. Position one bar on each side of the fender, ensuring a tight fit as shown in the installation diagram.
3. Ensure the clear distance between bars is at least 12.5 mm or greater than the nominal fender base width.
4. Confirm that the bars do not extend beyond 50% of the fender's nominal projection from the hull.
5. Drill fixing holes through both the retaining bars and the fender so the bolt shank sits above the fender base.
6. If required, insert a steel strip in the base of the fender and/or within the bore beneath the bolt shank to distribute load and prevent localised compression.
7. Secure all fixings using galvanised or non-ferrous materials suitable for marine environments.
8. Check that the fender is seated evenly and all fixings are tight.

### Notes:

- Always refer to the installation diagram for bar placement and hole alignment.
- Use marine-grade hardware and sealant for boat or dock installations.
- Both methods ensure protection of hulls, quay walls, docks, and other surfaces from impact and wear.

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