Falmouth Harbour Leisure Measuring Mooring Strop

1. ROPE DIAMETER

The first thing to establish for your mooring strop is the size and weight of the vessel. This will help determine what thickness of strop is required.

What is the approximate weight of the Vessel?

Diameter of rope required	Weight of your vessel
14mm	3.9ton
16mm	4.7ton
18mm	6.6ton
20mm	9.2ton
24mm	11.2ton
28mm	14.6ton
32mm	18.8ton

It is the width of the bow roller of fairlead that dictates what the biggest diameter strop you can fit.
Generally, it's best to fit the biggest diameter you can within reason.

2. KEY MEASUREMENTS

Where the line will come aboard

1. Inside width of your bow roller
2. Fairlead opening measurement

3. Fairlead depth

Where the line will be secured

To ensure the strop fits easily onto the 'Strong point' (Cleat/Samson post) on deck, we require the following dimensions – length, gap between deck and underside of cleat.

1. Cleat length
2. Cleat gap

Key distances

The length of the mooring strop is also important. The aim is that the thimble and shackle are at sea level, when the boat is on its mooring. This ensures the connection between the strop and chain is easily visible and can be monitored for any causes for concern. A longer strop does not necessarily make the boat safer!

1. **From** the **back of the cleat** to the **bow roller**
2. From the **bow roller down to the waterline/sea level**
3. **From** the **back of the cleat** to the **fairlead**

4. From the **fairlead to the waterline/sea level**