

# James Watt Dock Marina

Origin 1878

## GUIDANCE NOTE 1:

### MOORING LINES, FENDERING & CLEATS

#### Mooring Lines & Fendering:

We recommend that good quality, multi-plait rope is used for the mooring of vessels. Where possible please do not use old halyards or sheets for mooring lines and never use polypropylene rope as this offers very poor holding strength.

From time-to-time it may be necessary to place additional lines on your boat; accordingly 2 spare mooring lines of suitable length and diameter for your boat should be kept in an accessible place for marina to use.

Fenders should be secured to a strong point on the boats and attached using at least 8mm multi-plait rope or similar. We would recommend the use of the cylindrical style of fender (as opposed to the round type) as these offer better protection in a marina environment. The marina's management kindly ask boat owners not to fix additional fendering to the pontoon structure. Should you wish to attach a bow/stern fender to your berth, please speak to the marina manager on how best to do this. Please note that whilst we check boats in the marina on at least a daily basis, we cannot accept responsibility for any damage resulting from inadequate mooring preparation.

The following table provides an outline of the minimum line diameters and fender requirements for the given size of yacht.

Length of Vessel	Mooring Line Ø (min)	Fenders (no & circ.)
<7m	10mm	4 @ 15cm
7.1m – 10m	12mm	4 – 6 @ 20 – 25cm
10.1m – 13m	14mm	6-8 @ 25-30cm
13m – 16m	16mm	8-10 @ 30cm

#### Cleats and Fairleads:

The most common reasons for mooring failure are as a result of chafe to mooring lines and a failure of the mooring point. Fairleads and cleats should be checked to ensure that they are strong enough for the task in hand and that there are no sharp edges which may prompt the chafing of lines. To prevent chafing we would recommend that chafe protectors are fitted to those lines which may be susceptible to chafe and that mooring lines are inspected regularly. This is particularly relevant if your boat is afloat during the winter. Owners may wish to fit 'snubbers' to their mooring lines which can assist in reducing the impact of shock loads on the boat.



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