



Mooring Your Vessel

This policy is based on ensuring vessels are safely moored to meet the most severe weather conditions experienced at the OBC marina, this will reduce the risk of the marina and other boats from damage

The Club will consider if the vessel owner has the boats manufacturers engineered cleat load ratings in the unlikely event they are less than those recommended in this document.

The mooring lines diameter is the minimum to be used; owners may choose to have larger diameter.

Rope Type

- Mooring lines should be non-floating.
- Polyester is advised; Nylon is suitable if the stretch is accounted for correctly.
- Under no circumstances is polypropylene or polyethylene permitted.

Rope Size (not including spring lines)

Berth Length	Minimum Line Diameter
• 10.5mtr berth	12mm line
• 12mtr berth	12mm line
• 14mtr berth	14mm line
• 16mtr berth	16mm line

Note: Spring lines for all vessels are required to have a minimum line diameter of 12mm.

Attaching Lines to Marina Fitting

- Lines shall be attached to marina 'D' rings. It is permitted to use a spliced hitch, that is the line passed through the 'D' ring back through the spliced loop.
- No lines, including spring lines, shall be attached to screwed 'D' rings or cleats.
- No metal-to-metal fittings shall be used.
- OBC can add cleats to the marina structure, discuss with operations team your requirements for consideration.

Docking Wheels

- Docking wheel installation may be approved by the OBC, only in special circumstances. Please note: These are not a preference of the OBC due to frequent instances of damage they cause to the marina structure and vessel in the event they fail.
- No dock line shall be attached under the docking wheel. Dock lines must be routed so as not to foul in, or interfere with, the docking wheel. See examples.

Mooring Line Guidelines

- The vessel must be secured within the confines of the berth in all weather conditions
- No vessel shall extend over the pier walkway or past a line through the outer side of the outer finger piles. If a vessel extends beyond its limits of the berth it will be liable for damage caused in an incident.
- Vessels, and their stored equipment, shall not contact the marina structure or adjacent components.
- Lines shall be attached to the vessel with a spliced loop except for spring lines if preferred.
- Spring line(s) are required to ensure the vessel is held in position.
- Lines must not have knots tied in them or joint lines. (This weakens the line.)

- Offside lines may be retained, while not in use, by utilising pulleys and weights on the centre pile. Nearside lines should be laid neatly along the finger so as not to create a trip hazard.
- **The test of the mooring lines correctly fitted to the vessel should be that it cannot touch any part of the berth structure in any direction.**

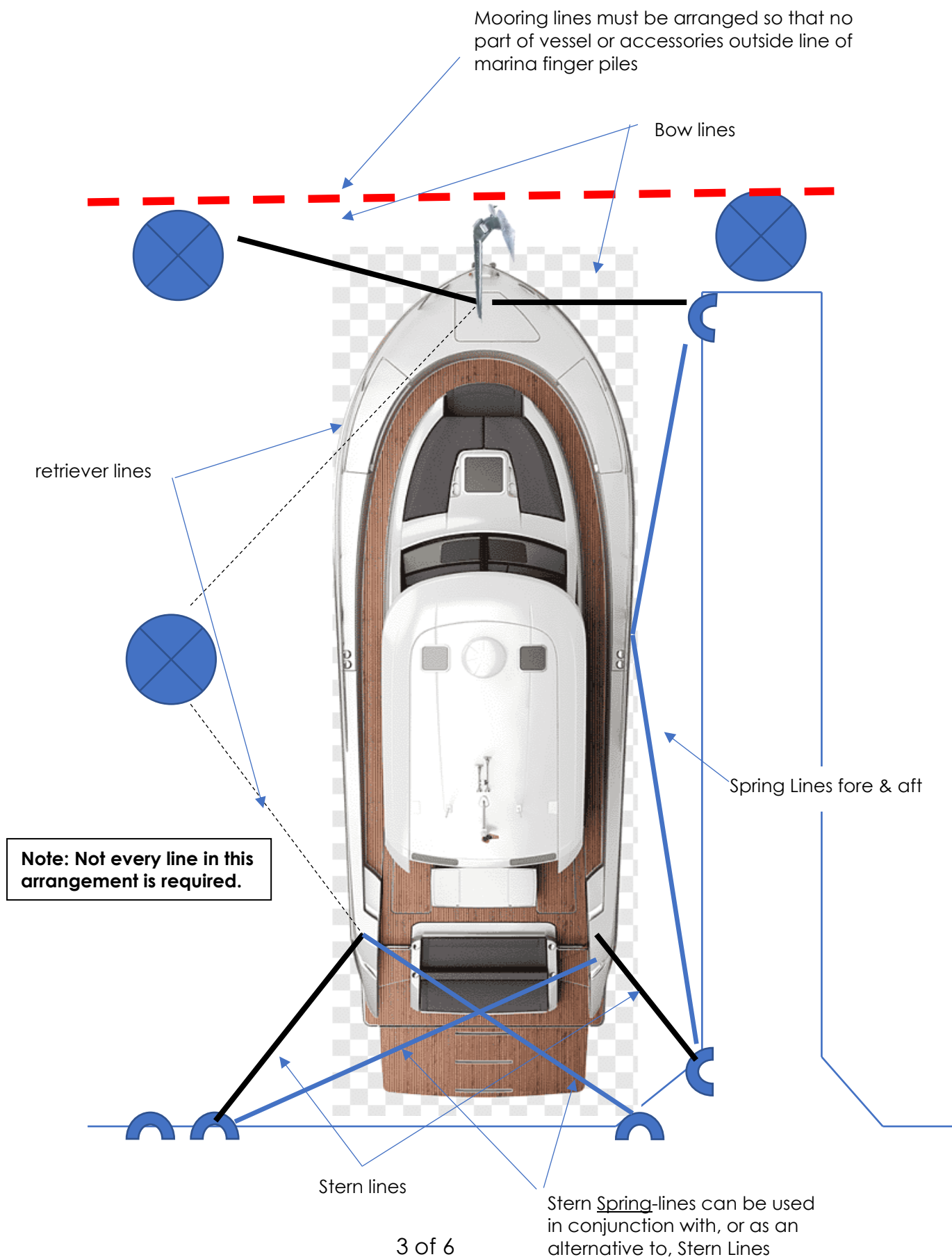
When choosing dock lines, a NZ rope supplier has developed a very good product called Prosplice dockline. It is a polyester braided rope specifically developed to be easily spliced and a weave pattern that gives soft exterior with a some of give or stretch under gentle load. It is fast becoming the standard economical mooring line used by most people in the marine industry.

Caniwi Rigging, Hauraki fenders and Kennedy Point Marina as three examples.

<https://www.finelinemarine.co.nz/collections/dockline>

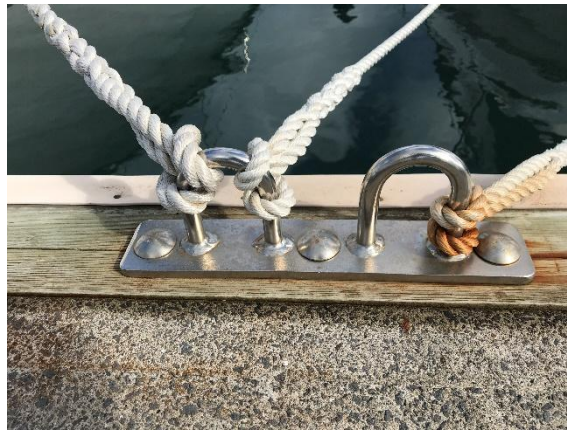


Typical Marina Line Arrangement:



Examples of Correct Lines:

Spliced cow hitch



Correct fore & aft lines with fore and aft springs



Stern Spring lines – hold transom central in marina



Examples of Incorrect Lines:

Incorrect use of screwed 'D' rings or cleats



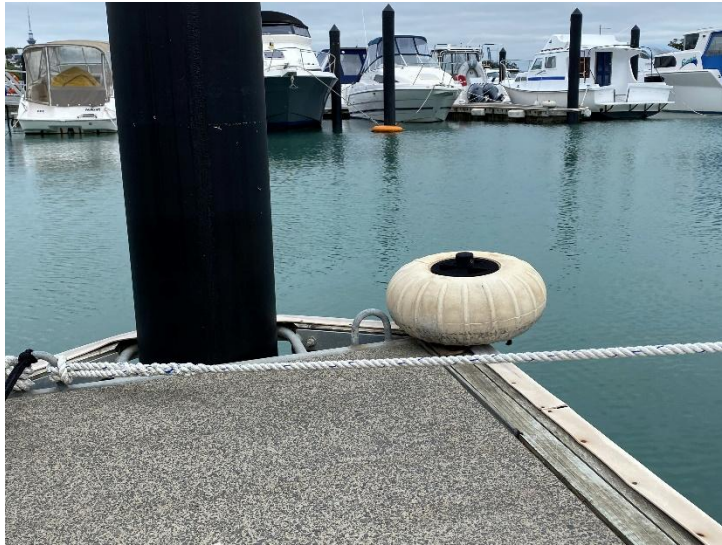
Cautionary Example:

For those who think that lines secure to screwed 'D' rings are safe, this photo demonstrates a "bolted" 'D' ring ripped from a marina water in a severe weather event.



Examples of Correct Docking Wheel:

Dock line is attached correctly to opposite 'D' Ring. This is an acceptable dock line route which takes dock line alongside or above docking wheel.



Examples of Incorrect Docking Wheel:

Routing dock line under the docking wheel leads to damage of the marina.

