



Townsville Motor Boat & Yacht Club Limited
A.C.N. 009 782 567
A.B.N. 83 009 782 567

Townsville Yacht Club

Notice to all boat owners in TYC Marina

Recommended Mooring Guidelines for boat owners in TYC Marina

In order to ensure the safety of all boats in the marina and , as well as the marina and persons on the marina, and particularly to reduce the risk of damage caused by a boat breaking free from its mooring, the Marina Committee has determined that minimum standards should be set for mooring in the marina.

1. General Responsibility

- Vessel owners are **fully responsible** for the safe mooring and security of their vessel at all times.
- Mooring arrangements must be **appropriate for the vessel's size, weight, and design** and kept in good condition.
- Owners must ensure their vessel is **secured to withstand local wind, tide, and wake conditions**.
- **Extra preparations and doubling of mooring lines** are required when a cyclone warning has been issued.

2. Mooring Lines

- Use **high-quality, UV-resistant marine-grade ropes** (e.g., nylon or polyester) with adequate breaking strength. The Club recommends the use of polyester double braided nylon rope or three-strand silver or nylon rope. Nylon ropes can absorb some of the strain created by strong winds and swell.
- **At least four (4) mooring lines** are recommended: minimum one bow and one stern line, plus aft and forward spring lines – refer Diagram 1.
- **Dock Line Sizing** - The diameter and length of dock lines will vary depending on the size of your boat. **Minimum** recommended line sizing is as follows:

Vessel length (m)	8 - 10	10 - 12	12 - 14	14 - 16	18 - 22
Displacement (Tons)	5	9	13	16	25
Rope Diameter	12mm	14mm	16mm	18/20mm	20/24mm

- Fit **chafe protection** (e.g., hose or leather sleeves) if appropriate.
- Maintain **some elasticity** in lines to absorb motion — avoid over-tightening. Sheet ropes are not recommended for use in securing your boat as they have limited stretching ability.

1 Plume St Townsville
P.O. Box 484
Townsville
Qld. 4810
Tel: (07) 4772 1192
Fax: (07) 4772 7363
admin@townsvillyachtclub.com.au
www.townsvillyachtclub.com.au

- Under **no** circumstances can **chain or shackles** be attached to the marina. Chain has no ability to stretch and will damage your vessel and/or the marina

3. Spring Lines

- Install **fore and aft spring lines** to prevent the vessel from surging forward or aft in the berth.
- Cross-spring lines can further reduce movement in strong winds or surge conditions.

4. Fendering

- Fit **adequate fenders** along both sides of the vessel — at least **three per side** for most boats.
- Fenders should be **clean, inflated and correctly positioned** to prevent hull damage or damage to the marina
- Fenders should be positioned so they hang off the marina fender strip and should **not** be placing direct **contact** or strain to the black plastic section of the pontoons.

5. Cleats and Attachment Points

- Ensure **all cleats, bollards, and fairleads** on the vessel are **secure and structurally sound**.
- Avoid tying lines to railings, stanchions, or lifelines.
- Double up lines during **storms, strong winds, or extended absences**.

6. Inspection and Maintenance

- **Inspect** mooring lines, shackles, and fenders **regularly** for wear, UV damage, or corrosion.
- **Replace** any chafed, frayed, UV damaged or stiff lines **immediately**.
- Check **shore power leads**, hoses, and equipment are **neatly stowed and do not obstruct** walkways.

7. Emergency Preparedness

- Review the marina's **Cyclone and Severe Weather Plan**
- In strong weather, **add extra lines**, ensure fenders are secure, and check neighbouring vessels
- During severe weather warnings, **secure or remove sails, biminis, covers, and loose equipment**
- Provide the marina office with **up-to-date contact details**.
- Notify the marina office if leaving your vessel unattended for long periods.

8. Environmental and Safety

- Avoid trailing lines, hoses, or electrical cables across walkways.
- Do not discharge **pollutants, sewage, or bilge water** into the marina.
- Keep pontoons and berths **tidy and free of obstructions**.

10. Marina Assistance

- If uncertain about mooring setup, **ask marina staff** for guidance.
- The marina may inspect and request **adjustments to unsafe or inadequate moorings**.

The recommended alternatives of securing mooring lines are shown in diagram 1:

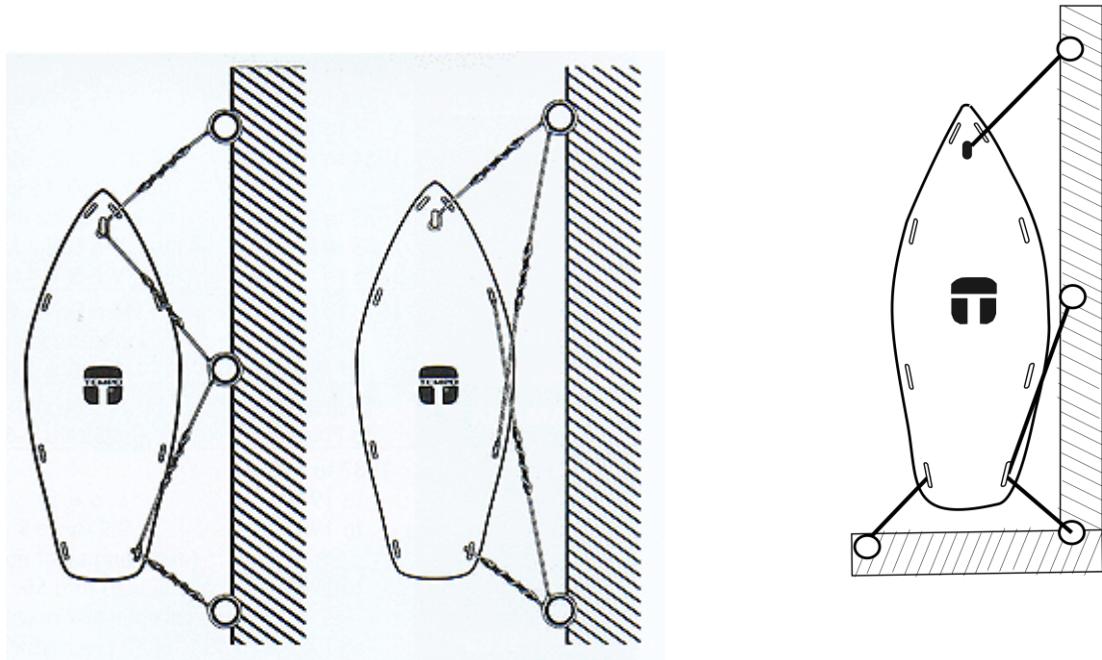


Diagram 1

Alternatively, where vessels are stern or bow on to a pontoon an additional bow/stern line can be used to replace the aft/forward spring line.

Marina Committee
16/9/2025