



Bridle Plate Mooring System Guidelines

#33040 Monohull, #33040S Monohull-Safety System
#33050 Multihull, #33050S Multihull-Safety System

Please follow these installation guidelines to ensure the Bridal Plate Mooring System will function safely and properly.

[Lines](#)

Choose lines suitable for your boat length, displacement and for typical weather conditions at your mooring. (If your mooring location has heavy wave conditions, your mooring lines will be subject to higher than normal loads which must be considered when selecting line size) Nylon is the preferred material for mooring lines because of superior stretch properties that allow it to absorb some of the load before it reaches your boat. Three-strand nylon is a good choice; double braid nylon is stronger but more expensive. Your lines will be in constant sunlight so always select a quality, marine grade line with UV protection. Include adequate chafe guards at the chocks and/or anywhere else your tensioned lines come in contact with your boat to reduce wear and extend the useful life of the lines.

For extra security, make each line long enough to reach a primary cleat and continue to a secondary cleat farther aft or to halyard winches. Splicing should be professionally done with proper whipping of the splice. Make sure to use good quality stainless steel or hot dipped galvanized thimbles. The 5/8 inch shackles on the Bridle Plate Mooring System can handle up to 1 inch line with thimbles. Make sure your cleats are sized to your line! Too small a cleat will not hold the line adequately and may pull out under load.

[Setting up your system](#)

1. Connect the lines to the plate with the shackles thru the thimbled eye splice. Lubricate the threads on each shackle with machine oil before assembly. The shackles are placed in the smaller ¾ inch holes in the plate. Align the shackle pins such that the head of each pin is on the same side of the plate (diagram A). Use a large screwdriver and a crescent wrench to tighten the shackles. Next, seize (mouse) the shackle with monel, (nickel-copper alloy) corrosion resistant seizing wire, being careful to route the wire so it will not get pinched between the shackle and plate and cause a fracture in the wire. If you have purchased the Safety System version, make sure to tighten the nut on the pin with a wrench. It is important to tighten the nut sufficiently to lock it to the pin. Insert and bend the cotter pin once the nut is tightened. The cotter pin acts as a safety measure in case the nut comes loose.
2. On some Bridal Plate systems, the swivel is an integral part of the Bridle Plate. If your swivel is integrated, proceed to step 3. If your system has a swivel/shackle it will attach in the larger 1” hole in the plate. Lubricate the threads prior to attaching. Attach the Swivel to the Bridle Plate such that the head of the pin is on the same side as the heads of the shackle pins and tighten and seize the pin with monel wire. If you have purchased the Safety System version, make sure to tighten the nut on the pin with a wrench. Insert and bend the cotter pin once the nut is tightened. It is important to tighten the nut sufficiently to lock it to the pin. The cotter pin acts as a safety measure in case the nut comes loose.



3. Secure each line to your boat allowing enough length to attach the swivel to the mooring system. Take care to run the lines around any hardware on the boat such that each tensioned line has a clear path to the mooring system. To minimize any interference with the shackle pins, make sure the lines are attached such that the Bridle Plate has the heads facing upward.
4. Use a Taylor Made Sur-Moor™ traditional or T3C™ style mooring ball to float the mooring system. The Bridle Plate Mooring System weighs 10 -12 lbs depending on which system you purchase. Make sure the buoyancy of your buoy can accommodate this weight along with the weight of your mooring chain. Select a mooring buoy with a flotation rating equal or greater than twice the combined weight of the bridle plate system and mooring chain.
5. Attach the swivel to the anchor chain at the base of the mooring buoy and tighten the pin with a large screwdriver and crescent wrench. Lubricate the threads on the shackle with some machine oil before assembly. Once the pin is tight, seize it with monel wire. If you have purchased the Safety System version, make sure to tighten the nut on the pin with a wrench. Insert and bend the cotter pin once the nut is tightened. It is important to tighten the nut sufficiently to lock it to the pin. The cotter pin acts as a safety measure in case the nut comes loose.
6. Adjust each line until the mooring buoy is 4-5 feet in front of the center of the boat. This is a good general distance from the mooring buoy, however, you need to set the distance for your boat type and harbor conditions. Too much distance increases the chance of catching a line under the mooring buoy which could cause premature failure of the line. Too short a distance means less scope from the buoy and less line to absorb any shock load. It can also increase the possibility of the mooring float contacting the boat. The line length from the mooring buoy should be balanced with the conditions that exist in your mooring location. It is best to monitor the system for a few days to make sure everything is working well for the given conditions and any future conditions.
7. Position Taylor Made Perimeter® or Taylor Made® Rubber chafe guards anywhere your tensioned lines come in contact with your boat to reduce wear.
8. Always inspect your mooring system frequently for loose shackle pin nuts, corrosion and wear.

WARNING: Attach the Bridle Plate System on your mooring below the mooring buoy and directly to the mooring chain. Any hardware on the top of your mooring buoy runs the risk of damaging your boat. Never exceed the safe working load of the system components!

Safe Working Loads

Swivel	8,000 lbs
Shackles	6,500 lbs
Galvanized Bridle Plate	12,000 lbs



Installation Diagrams



Diagram A - Multihull system shown.

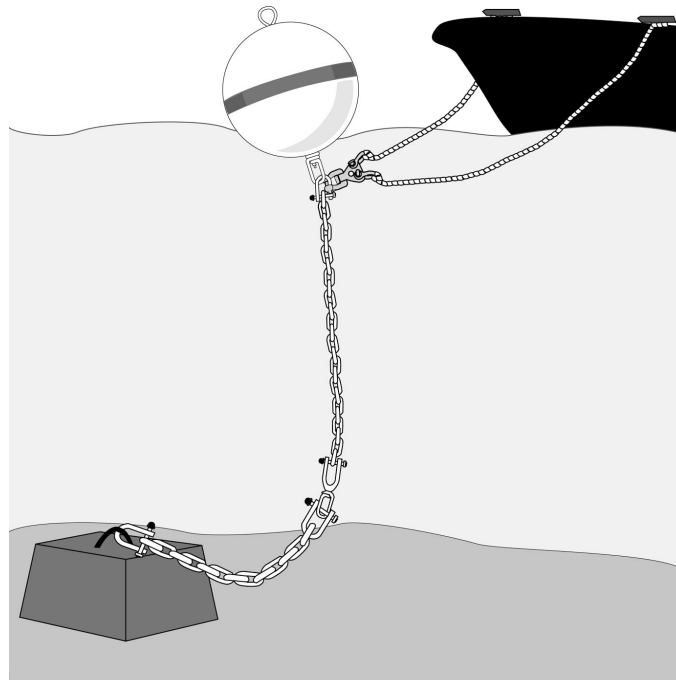


Diagram B - Monohull system shown.

The information in this document is meant as a guideline only. The function of the Bridle Plate Mooring System is highly dependant on the methods of installation and Taylor Made Products cannot be responsible for an improperly installed system. The Safe Working Load of the system must never be exceeded for proper function of the Bridle Plate Mooring System.



Warranty Information

LIMITED WARRANTY

This product is warranted to be free from defects in material and workmanship for thirty (30) days from the date of original purchase of the product provided it was not subject to accident, abuse, or improper use.

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