



Mooring Officer

Tamar River Sailing Club
883 Wolseley Road
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Plymouth
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TRSC Mooring Specification

General: These are the minimum requirements. All vessels' mooring gear should meet or exceed these specifications. Moorings consist of a Block, Riser Chain and Buoy. Buoys shall be top loaded (i.e. pick up gear shall be attached to the top of the buoy not the bottom). Mooring warps shall be shackled to the top of the buoy.

Mooring Warps	Quantity:	4 (2 Bow, 2 Stern)	
	Type:	3 strand nylon	
	Size:	Vessels up to 6m	12mm
		Vessels up to 8.5m	16mm
		Vessels up to 11m	18mm

The buoy end of each line shall have a metal thimble spliced into the line. This is connected to the buoy by shackles (see below). Vessel end should be protected with suitable anti-chafe measures. It is preferable not to splice loops or tie bowlines at the vessel end. This still allows the vessel to cast off in the event of a buoy sinking. Mooring warp length will depend on vessel and span length. The spans are either 14m (middle 2 to 20 inclusive), 20m (end moorings on all three trots) or 17m for all others. Mooring warps need to fill the space between the buoys and the boat cleats. If cleats are, say, 8m apart, subtract this from the span length and divide by 2. For each warp then add sufficient for splicing in the thimbles, making off on the cleats, and at least a further metre on each warp to allow for movement of buoys at different states of the tide.

Some vessels still use chain or part chain rather than mooring warps. This is only acceptable if:

1. the chain is of equal or greater strength than the appropriate mooring warp; and
2. the chain is sheathed to avoid chafe damage to the buoy
3. shackles of the appropriate dimensions are used at both ends of the chain (see below).

Shackles All shackle pins must be securely moused with galvanised mousing wire or heavy-duty cable ties. I have found a number of shackles with flimsy cable ties which have snapped in the last year. Shackles shall be 3/4 inch. Quantity 4 (one per mooring warp). Alternatively, some members have had chafe problems from this arrangement, so it is also acceptable to use one shackle per two mooring warps in which case the shackle shall be 1 inch and moused as above.

Dinghy, outboard and paddle storage

Please note mooring holders are entitled to a single space for storing a dinghy of maximum of 2.8m. There is a waiting list for space in the paddle/outboard store and it is likely that new mooring holders will not be immediately allocated space. In both instances the space is allocated by the Quay Master who you should contact regarding this.