

RS800 rule updates proposal 2021

Proposal number	Section	Existing rule	New rule	Reason
1	C.6.3	N/A	The length of ropes, rigging wires and shockcord are unrestricted	To clarify that lengths of shrouds, sheets etc of varying lengths are not subject to measurement under B.1.2.
2	C.8.1	N/A	4) The rudder downhaul rope, blocks/sheaves and cleat may be replaced. The replacement parts may be obtained from any supplier. Maximum velocity ratio is 2:1.	All other ropes, blocks and cleats are replaceable under the rules for rig and hull, but the rudder downhaul tackle was in theory not replaceable as it is not covered by the rig and hull sections of the rule.
3	C.8.2	The tiller length is unrestricted, so long as aluminium tubing of the same strength and specification is used.	Delete "so long as aluminium tubing of the same strength and specification is used".	Tillers are now supplied by RS in aluminium or carbon fibre; the existing rule only allows for aluminium. There is no advantage to using a significantly different specification to that supplied by RS, so no need for the latter part of the rule.
4	C.9.2	5) The upper shrouds may be tensioned by: a bottlescrew, or a rope purchase that utilises any fittings, so long as the purchase has a maximum velocity ratio of 4:1 and is solely attached to the original fitting on the mast or mast step fitting and the upper shrouds	Change "4:1" to "5:1"	RS have supplied 5:1 purchase for many years and most boats in the fleet use this; rule is updated to reflect the status quo.

5	C.9.3	N/A	<p>C.9.3 LIMITATIONS</p> <p>1) The lower spreaders shall be 460mm +/- 10mm in length, when measured from the centre of the shroud wire along the spreader to the wall of the mast.</p> <p>2) From a line between the centre of both main shrouds at the ends of the lower spreaders, the distance to the aftermost edge of the sail track will be no less than 140 mm when measured without loads on the mast or supporting stays.</p> <p>3) The upper spreaders shall be 360 mm +/- 5mm in length, when measured from the centre of the shroud wire along the spreader to the wall of the mast.</p>	<p>Some masts were fitted with faulty spreaders which deflected significantly or failed under load, requiring replacement. To avoid replacements being fitted out of factory specification, the minimum deflection of the lower spreaders is put back into the rules, along with the length limitations on both sets of spreaders that were removed from the rules when the adjustable spreader mast brackets were phased out many years ago. This should ensure the one-design nature of the fleet and minimise risk of mast inversion (due to too little spreader deflection) while not making existing boats with greater deflections illegal.</p> <p>This change was agreed at the 2019 Special General Meeting - see https://www.rs800.org/documents/p1e4o2jn701g5p7cas3ud8g1npb3.pdf</p>
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