

International 2.4mR Class Association, Technical Committee

$$R = (L + 2d - F + \sqrt{S}) / 2.37 = 2.4$$



2.4mR TC ADVICE 2025

2.4 NOD CORRECTOR WEIGHT

BACKGROUND

The 2.4mR Technical Committee has been asked for advice regarding the 2.4 NOD corrector weight class rules.

2.4 NOD CLASS RULES

C.6.1 WEIGHT

(a)

	minimum	maximum
The weight of the boat in dry condition	253 kg	254 kg

C.6.2 CORRECTOR WEIGHTS

- (a) **Corrector weights** of lead shall be securely fixed to the **hull** when the boat weight is less than the minimum requirement.
- (b) **Corrector weights** shall be placed on the underside of the deck not more than 200 mm aft of the mast.

C.7.3 BALLAST

- (a) **Ballast** pigs shall comply with D.8.
- (b) The maximum weight of the **ballast**, including any equipment (eg. battery) placed below the floor level, but excluding electrical pump and associated hoses and cables, is 181kg. To exclude electrical pump and associated hoses and cables, the weight of these may not exceed 1.5 kg.

D.2.3 MATERIALS

- (a) The **hull** shell, **keel** and deck mouldings shall be built from Glass Reinforced Plastic. Aluminium or stainless-steel reinforcements are permitted where required for mounting fittings.
- (b) The **hull** shell, **keel** and deck mouldings shall not weigh less than 3.6kg/m².
- (c) Where sandwich construction is used, the core material shall be of balsa, PVC or polyester or combinations thereof and shall be of density before lamination not less than 60kg/m³ in average over a square with the sides 25mm.
- (d) Parts of the **hull** excluding **hull** shell, **keel** and deck mouldings may also be made from aluminium.
- (e) Parts or a structure of several parts that in no direction exceed the size of 120 mm may be of any material if the weight is less than 0.3 kg.
- (f) Wiring, pumps and adherent hoses may be of any material.
- (g) Parts of the steering system may be of any material. Such parts shall not add structural strength to the hull.
- (h) Hatches may be of any plastic material. The minimum weight of hatches in the deck shall be no lighter than the pieces of deck they replace. This includes the original hatch over the **rudder**.
- (i) Any soft material may be used to cover the cockpit. A hard cover shall be made of GRP.
- (j) Stainless steel may be used for mast foot and shroud levers.
- (k) Parts intended to protect edges around holes according to D.2.4 (c) including **mast** hole may be of any material.
- (l) Navigation instruments may be of any material.
- (m) In case a disabled sailor cannot sail without a specific part, that does not comply with these rules, a dispensation may be given by the ICA.

EQUIPMENT RULES OF SAILING 2025-28

C.6.3 BOAT CONTROL DEFINITIONS

(v) CORRECTOR WEIGHT

Weight installed in accordance with the **class rules** to correct deficiency in weight and/or its distribution.

THE 2.4 NOD CORRECTOR WEIGHT CLASS RULE PRINCIPLES

The Equipment Rules of Sailing 2025-28 specifies that corrector weights are in to comply with the class rules.

2.4mR class rules are **open class rules** and do not specify boat weight and maximum ballast, the boat weight is in accordance with its certificate to ensure that the boat floats on its waterline.

2.4 NOD class rules are **closed class rules** and specify boat and ballast weight, anything not specifically allowed by the class rules is prohibited.

2.4 NOD class rules specify that the hull is constructed in accordance with D.2.3 of laminated glass reinforced plastic.

2.4 NOD class rules specify a boat weight in accordance with C.6.1 (a) of 253kg to-254kg

2.4 NOD class rules specify a maximum ballast weight in accordance with C.7.3 (c) of 181kg.

2.4 NOD class rules permit corrector weights in accordance with C.6.2 so that the boat weight can be maintained in accordance with C.6.1 (a) at 253kg to 254kg.

2.4 NOD class rule C.6.2 (a) specifies that corrector weights are of lead and securely fixed to the hull.

2.4 NOD class rule C.6.2 (b) specifies that corrector weights are located on the underside of the deck not more than 200mm aft of the mast.



Charger 2.4kg corrector weight showing slotted holes for fixing to underside of deck

SO, IF YOUR BOAT IS CERTIFIED AS A 2.4 NOD BOAT AND IT IS UNDERWEIGHT WITH 181KG OF BALLAST YOU WILL NEED CORRECTOR WEIGHTS OF LEAD FIXED TO THE HULL.

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