

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

Interpretation 087 of AC75 Class Rule Version 1.27 issued 15th January 2021

Rule References:

- 1.3 An **AC75 Class Yacht** shall comply with the **AC75 Class Rule** when racing, and at other times as required by the **AC75 Class Rule** and the **Protocol**.
- 16.2 For the purpose of Rule 5.1:
- (a) any material attached to the **rudder** below the **hull lower surface** must be declared as part of the **rudder** upper or the **rudder** lower;
 - (b) any part that does not make up the **linear component** of the **rudder** shall not be included in the declaration; and
 - (c) any removable part of the **rudder linear component** that is entirely above the **hull lower surface** can optionally be declared as part of the **rudder** upper, but if it is first declared, will always be controlled by Rule 5.1.
- 16.6 Only the following **rudder** movements are permitted relative to the AC75 **yacht**:
- (d) yaw, being a rotation about an axis joining the lower and upper **bearing centres**; and
 - (e) rake, being a rotation about a **transverse** axis through the lower **bearing centre**.

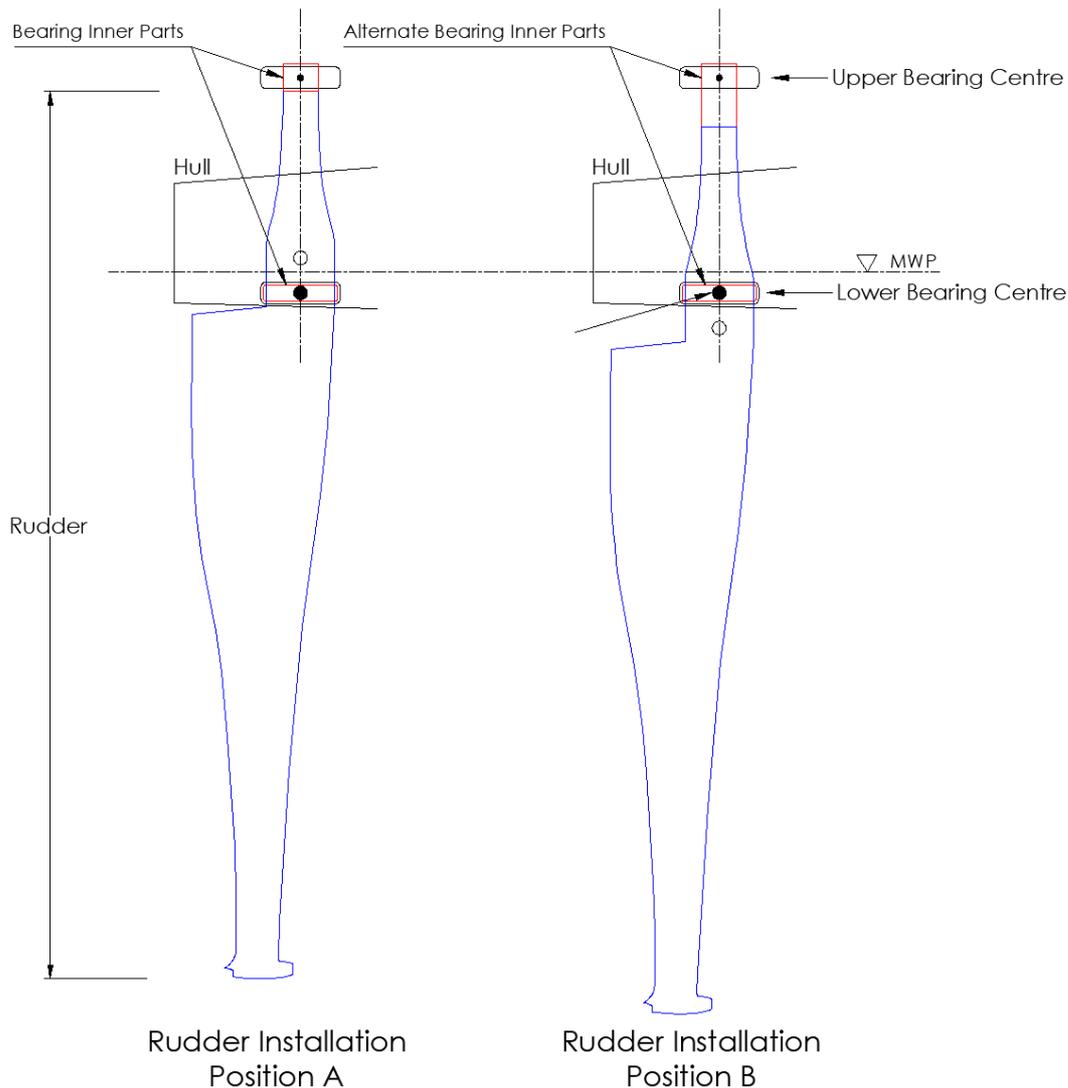
Context:

A **rudder** upper is supported by an upper bearing and a lower bearing. Both bearings (upper and lower) include a bearing inner part, which is fixed relative to the **rudder** and removable as per rule 16.2 (c), and a bearing outer part, which transfers load into the structure of the yacht. Neither of the bearing parts are declared as part of the **rudder** upper. The upper and lower bearings together restrict **rudder** movement to only yaw and rake.

Refer to the attached sketch. One or more sets of bearing inner parts exist, and the position of the rudder relative to the hull may change depending on which set of bearing inner parts is used.

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Questions:

1. May a **rudder** be removed from the yacht and reinstalled between races, without invalidating the yacht's measurement certificate?
2. May the bearing inner parts be removed and replaced between races such that the position of the rudder relative to the hull is vertically altered, without invalidating the yacht's measurement certificate, if the mass and LCG remain within the required ranges?

Answers:

1. Yes, provided this is done in time for the **Measurement Committee** to re-inspect the changed component.
2. Yes, provided this is done in time for the **Measurement Committee** to re-inspect the changed component and provided none of the components declared as **rudder upper**, **rudder lower**, or the **linear component** of the **rudder** are altered.

END