

CHALLENGER OF RECORD & DEFENDER

AMERICA'S CUP 36

AC75 Interpretation 024

of

AC75 Class Rule Version 1.2 issued 10th December 2018

Rule References:

13.1 Each **foil** must comprise:

- (a) a **foil arm** and a **foil wing**, which must form a single **linear component**;
- (b) two **foil flaps**, each of which must be a **linear component**; and
- (c) one or more **foil systems**.

15.2 Each **foil** shall include two **foil flaps**, one lying entirely on one side of the **foil wing** symmetry plane, and one lying entirely on the other side of the **foil wing** symmetry plane.

Context:

The figure below shows a foil with a foil arm (grey), foil wing (turquoise) and foil flaps (blue). For the purpose of this interpretation we assume that the foil flaps meet all constraints on maximum chord length, symmetry, size, location, etc.

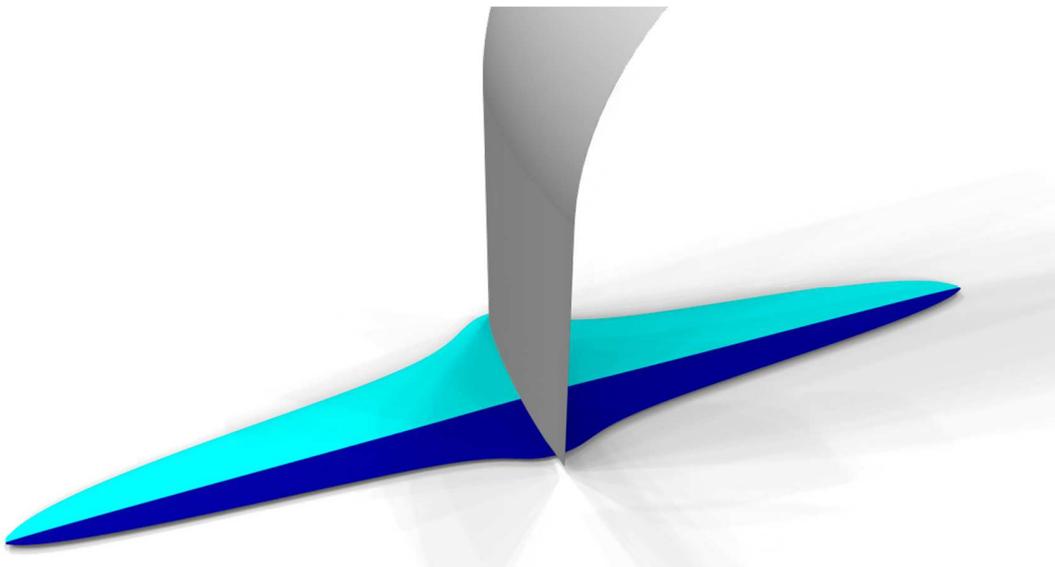


Figure 1: Perspective view of a foil with a foil wing (turquoise) and foil flaps (blue).

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Questions:

1. Is it compliant with rule 15.2 to connect the two foil flaps (inboard and outboard) such that they form together a linear component? We assume that the single linear component counts as two foil flaps for the purpose of rule 5. We assume furthermore that the lateral movement of the foil flaps is within the typical range of play in the hinges (of the order of one millimetre).
2. Is it compliant with rule 15.2 to build the two foil flaps (inboard and outboard) from a single piece such that they form together a linear component? We assume that in this case the single foil flap counts as two foil flaps (inboard and outboard) for the purpose of rules 5. Furthermore, we assume that the lateral movement of the foil flaps is within the typical range of play in the hinges (of the order of one millimetre).
3. If the answer to question 1 and/or 2 is "NO" can the Rules Committee give guidance as to which rules are infringed and why?

Interpretation:

This interpretation does not imply compliance with rule 5 or any other rules other than 15. 2..

Answers:

1. Yes, provided that the two foil flaps function together as a linear component solely as the result of being connected by a foil system.
By rule 15.2, neither foil flap shall ever touch or cross the foil wing symmetry plane, while respecting rule 3.11 (b). The hinge play allowed for in rule 15.4 does not provide an exception to this.
2. No. One single foil flap is inconsistent with rule 15.2 and may also be inconsistent with other rules.
3. See above.

END