

CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

Interpretation 049 of AC75 Class Rule Version 1.10 issued 21st May 2020

Rule References:

- 19.1 The components that may make up a **jib** are limited to:
- (a) a maximum of one **sail skin**;
 - (b) up to 8 **battens**, which can terminate on any sail edge, and shall not be adjusted while the **jib** is hoisted;
 - (c) **sail hardware**;
 - (d) **luff** attachment devices permitted in Rule 19.8;
 - (e) **head pennants**;
 - (f) soft fairings around a **head pennant** and that part of the forestay adjacent to a **head pennant**;
 - (g) components of an **ILS**; and
 - (h) **woollies**.
- 19.4 With the exception of **battens**, the largest dimension of any **sail hardware** for a **headsail** shall not exceed 250 mm.
- 19.10 No **control system** shall be attached to, or bear upon a **headsail** except:
- (b) a halyard attached near the **head point**;
- 20.7 All one-design **mast** fittings and spreaders shall be built and installed according to the supplied **mast** drawings provided in accordance to Rule 20.1 (d).
- 20.9 The **supplied rigging** shall not be modified other than the addition of fairings and vibration mitigation devices permitted in Rule 20.8. Shock cords or ropes may be attached to **supplied rigging** to manage slack and prevent sails being fouled.
- 20.10 No components of the **mast**, other than rigging and components of the **mast** drawing package are permitted to extend more than: ...

Context:

It has been noted on **yachts** that a 2:1 purchase system for the **jib** halyard is installed (see sketches below). For this interpretation we assume that:

1. The dead end of the purchase is attached to the pin of the unmodified one-design forestay fitting.
2. The one-design forestay fitting is not modified and is installed on the **mast tube** according to the supplied **mast** drawings provided in accordance to rule 20.1 (d).

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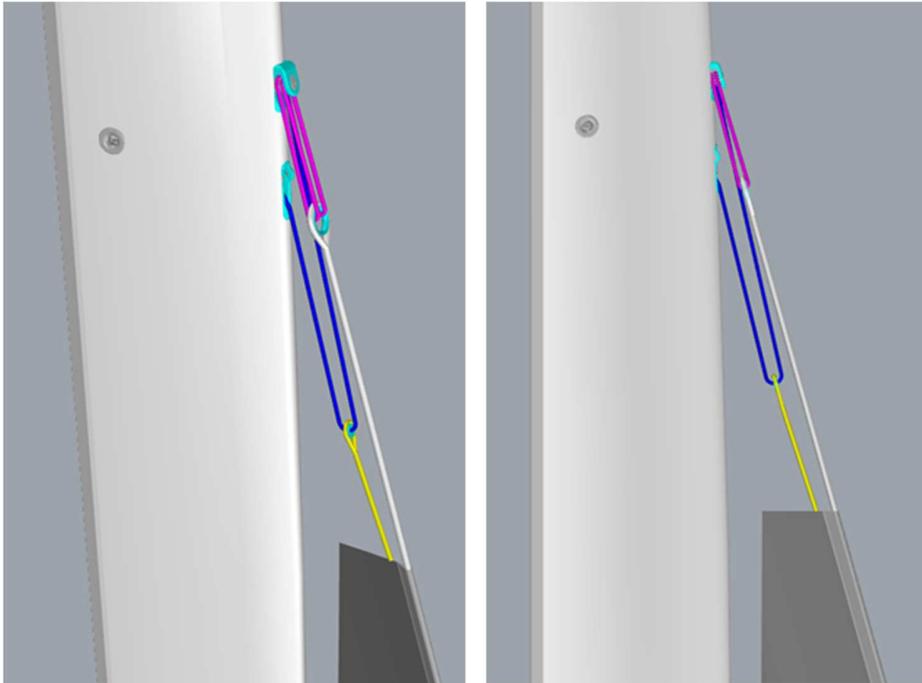


Fig. 1 and Fig. 2: Purchase system: A ferrule (turquoise), not larger than necessary, integrated into a **head pennant** (yellow) is used to obtain a 2:1 purchase ratio. The two images show the same configuration just from different viewing angles.

Questions:

1. Is the described configuration rule compliant if the ferrule is directly attached to the **headsail** near the **head point**? If the answer is “no” which rules are infringed?
2. Is the described configuration rule compliant if the ferrule is integrated into a rule compliant **head pennant**? If the answer is “no” which rules are infringed?

Interpretation:

- A. There is no **AC75 class rule** banning a 2:1 **headsail** halyard purchase system nor the dead end of a 2:1 **headsail** purchase system to be fixed to the one-design headstay fitting.
- B. From rule 19.1 (e) and 19.2 (d) it follows that the **head pennant** is part of the **headsail**. But its definition (35.46) defines it is an extension of the halyard; which is not part of the **headsail**. Rule 19.10 (b) imposes that a halyard must be attached near the **head point**.
- C. The ferrule attached to the **head point** of the **headsail** and/or integrated into the **head pennant** of the **headsail** is considered constituting **sail hardware** as part of a **control system** that is allowed under rule 19.1; but must comply, amongst others, with rule 19.4.
- D. The integration of a piece of **sail hardware** into the **head pennant** is further addressed and detailed in Interpretation 043.

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Answers:

1. Yes.
2. Yes.

END