

# CHALLENGER OF RECORD & DEFENDER AMERICA'S CUP 36

## Interpretation 077 of AC75 Class Rule Version 1.27 issued 15<sup>th</sup> January 2021

### Rule References:

- 20.10 No components of the **mast**, other than rigging and components of the **mast** drawing package are permitted to extend more than:
- (a) 7700 mm aft of the **mast surface** or 3 mm forward of the leading edge of the **mast surface**, within the **mast lower zone**;
  - (b) 300 mm aft of the **mast surface** or 3 mm forward of the leading edge of the **mast surface**, within the **mast upper zone**;
  - (c) 100 mm aft of the **mast surface**, between the **mast lower zone** and **mast upper zone**; or
  - (d) 3 mm outside of the **mast surface**, forward of the aft face of the **mast surface** between the **mast lower zone** and **mast upper zone**.

### 35.73 **Mast**

All components of the rig that are not hoisted with the **mainsail** or **headsails**. This includes **mainsail** support structures and **control systems** such as booms that are not part of the **mainsail** as well as halyards, rigging, spreaders, fittings, fairings, instrument displays, instrument sensors, cameras, cables, flotation systems and hydraulic rams that remain as part of the rig whilst sailing. Sheets shall be considered as part of the **mast** if they cannot be easily disconnected from **mast** structures and **control systems**.

Excerpt from 031 750 101A Rig and Sailplan:

- \* The **supplied rigging** shall be connected to the one design mast fittings with continuous strops in basket configuration. No additional mechanisms, hardware or fairings are permitted except as allowed in rule 20.8. A fairing is allowed at the connection of the forestay and lower strop to allow sail hanks to pass over the jaw fitting.

### Context:

**Mast** fairings are attached to each side of the **mast tube** (see figure 1 below). The dimensions of the fairings are within the limits given in rule 20.10 (a) to (d). The fairings are attached to the mast and will not be attached to the **mainsail skin** but rather just bear on the **mainsail skin**.

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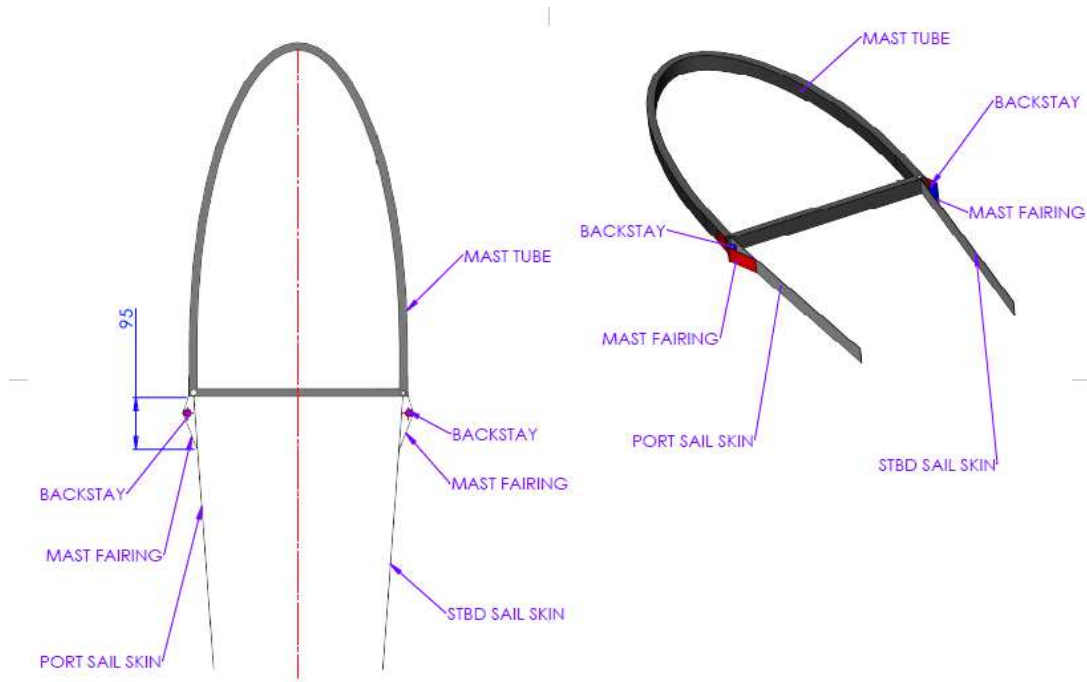


Figure 1: Mast fairings attached to the mast tube

## Questions:

1. Are these fairings rule compliant? If the answer is no we ask the **RC** to cite the rules that are infringed?
2. Is it rule compliant to put the running backstays in between the described fairings and the **sail skin** (see figure 1) when racing? By tightening the backstays from the lower end they are easily freed and taken aft to the position as shown in 031 750 101A Rig and Sailplan.

If the answer is no we ask the **RC** to cite the rules that are infringed?

## Interpretation:

The definition of **mast** (rule 35.73) includes fairings, the limitations of which are set out in Rule 20.10 as being a component of the **mast**.

## Answers:

1. Yes.
2. No. The added **mast** fairing is an additional fairing to the running backstay which is prohibited by the note in the 031 750 101A Rig and Sail plan.

END