





FURLING V-BOOMS

AXXON Composites furling booms have several advantages:

- The V boom design improves the overall appearance of your yacht.
- Just a push button to haul down the main sail ...

Process

All booms are built with pre-preg material cured, in autoclave at 90 degrees and 1.2 bar of pressure in female tooling giving a perfect finish.

Structure

V boom structure is made with 3 beams of monolithic unidirectional HR 235 gpa carbon fiber linked together with a carbon foam sandwich. Mandrel is also made of monolithic unidirectional HR 235 gpa carbon fiber with a slider frame, if required, at the reef area to limit deflection and shaft bearings and the end.



Equipment

Hydraulic Drive

The Reckman hydraulic motorizations with stainless body is made up by a reduction gear and hydraulic motor, integrated and protected inside a cylindrical structure designed to be housed inside the mainsail furling mandrel.



Electric Drive

24V DC Reckman electric drive system inside the mandrel, stowed in the mast end of the boom with clutch allows for save sailing, even when reefed.

The electric drives are delivered with electronic controls. The engine's rotational speed will reduce in the event of overloading, which prevent the engine from being destroyed through overloading.





Furling V Boom - Hydraulic Drive



Y70 08 Celeste



Furling V Boom - Electric Drive



Swan 65



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