

Shift your adventure



Articulated propeller shaft



ECA Development

- The development of the articulated propeller shaft emerges, at the attempt to solve a problem that we saw, specially in the field of coastal commercial fishing, where fishermen needs a versatile system that allows them to combine, on a single system, the benefits of a traditional axis, focused at performance and economy at maintenance and the best features of a stern drive such as built in lifting and steering.

Construction process:

- Design by 3D software.
- Separate collection of waste generated in the manufacturing of the ECA system.
- Made under the guidelines of the ISO 9001 and the ISO 14001.
- The ECA system don't need any antifouling.
- The ECA system have only one zinc anode.

ECA Description:

- **Articulated shaft line / floating with the same features as a single axis.**
- **With trim system (lift) hydraulic.**
- **Allows mounting at flat boat (without keel).**
- **Allows to navigate at shallow areas or with obstacles.**
- **Allows free stranded .**

TECHNICAL CHARACTERISTICS:

- **Built in stainless steel AISI 316L.**
- **High hardness shaft oil bath with tank level.**
- **Construction with constant velocity joints.**
- **Hydraulic steering and elevation systems.**
- **Quick and easy installation.**
- **Mold provided for mounting.**
- **Several models based on desired power.**

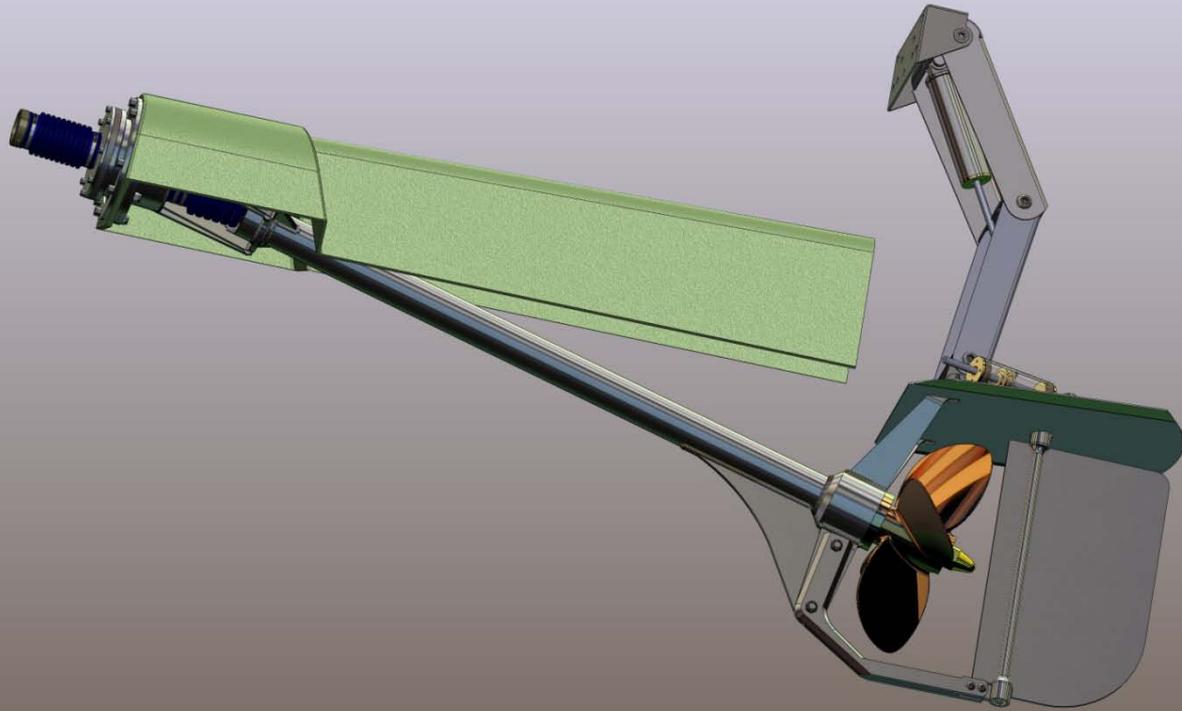
ECA Characteristics

- The main feature of the articulated shaft line is that provides the same benefits as a traditional axis, adding a new feature: the elevation.
- The elevation allows the navigation in shallow water or with obstacles, and the easy release of objects that may engage in the propeller, without immersion in the sea.
- It also allows us to improve engine performance searching the optimum angle of elevation adjusting it according to the load of the engine.

ECA Characteristics

- Another advantage is that, by including the rudder, the steering response is very fast both up ahead and behind.
- By incorporating direction, the maneuverability of the boat greatly improves and you can maneuver perfectly with the ECA system at any angle of elevation.
- The assembly of the ECA system is easy, fast and precise.

ECA Parts:



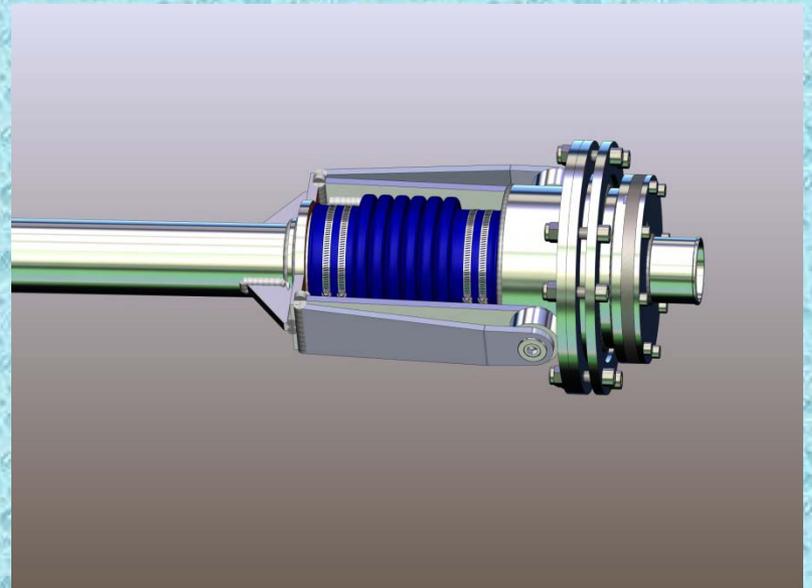
1-Mold

- The positioning mold is critical to the placement of the system, it gives us the reference for the engine position in the hull, and housing the ECA system inside.
- Once mounted is part of the vessel, so that, the consistence of the laminate has to be perfect.



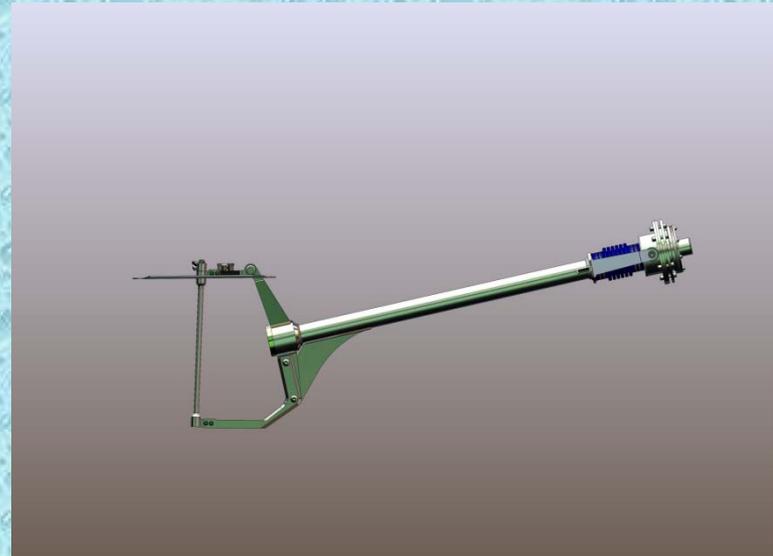
2- Lead

- Is the part that is fastened to the tunnel and is where the CV joint and the elevation joint are hosting.



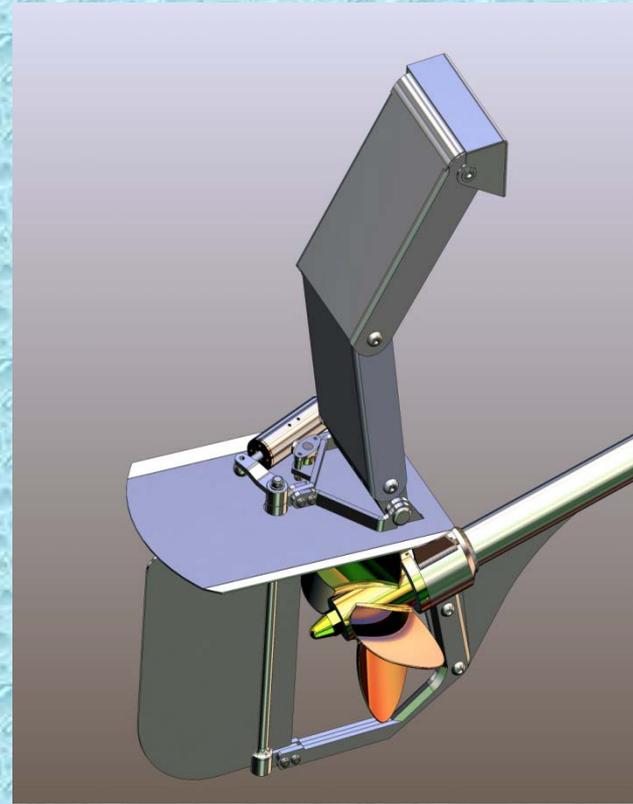
3-Middle

- This part consist of stern tube, shaft and protections.



4- Set rudder and elevation

- Composed by flap, rudder and elevation joints.



Mounting example with system up



Mounting example with system down



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