



## Quote Request Form

*Wills Ridley understand in the early stages of the vessel design not all of the information will be available. Please fill out as much information as possible to allow for an accurate quotation.*

**Customer Name:**

**Type of Vessel:**

**Will the steering require a Classification Certification?**

**If yes, please specify the Classification society and notation is required?**

**How many Rudders will be on the vessel?**

**If more than one, how will they be linked?**

**Rudder Dimensions (mm)**

**Height:**

**Width:**

**Balance:**

*(leading edge to the centre line of the rudder stock: What is the total rudder angle (e.g. 2x 35°)*

*If a drawing of the Rudder is available please send it with this form in DWG format.*

**Rudder Stock Diameter in way of Tiller:**

**Rule Stock Diameter:**

**Is the Rudder Stock tapered or parallel?**

**Maximum speed of the Vessel (Knots):**

## Steering Controls

**How many steering positions are required?**

**Please make some notes on the location of each steering position on board:**

**Please state which controls you require at each position:**

*Please use the description of each steering control on the following pages and visit our website [www.willsridley.com](http://www.willsridley.com) for assistance in choosing suitable steering for the vessel.*

**Position 1**

**Position 2**

**Position 3**

**Position 4**

**Other positions please give details:**



### Manual Helm Pump

No Power, Hand Hydraulic all the force is from the Operator. Can be used as main steering or as an Auxiliary option.



### Electric Helm Unit

The Electric Helm Unit is supplied with an applied helm indicator. This indicator shows what angle of helm has been demanded by the operator. A Rudder angle indicator is also supplied and this will show the Rudder moving to the demanded position. This is a multi turn full follow up wheel (2.2 turns hard over to hard over)



### Non Follow Up Joystick

A Bang/Bang non follow up joystick. When the joystick is moved to port or starboard, the rudder will move until the lever is released. When released the lever will spring back to the central position and the Rudder will remain where it was when the lever was released.



### Full Follow Up Lever

Electric Helm Unit, supplied with an applied helm indicator. This indicator shows what angle of helm has been demanded by the operator. A Rudder angle indicator is also supplied and this will show the Rudder moving to the demanded position. This is a full follow up wheel.



### Power Steer Pump

Power steer pump, assisted by the power pack. If the power pack fails for any reason the helm pump will revert back to manual mode and the steering will become heavier.



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**Will there be an Auto Pilot installed and/or Dynamic Positioning system?**

*(If yes please give make and model details)*

### **Power Packs**

**Please state how the Power Pack(s) will be driven:**

*Please note there can be more than one Power Pack type on board. For example you could have an AC Electric Driven Motor with a DC Auxiliary back up. Any combination of the above packs can be used. Please specify requirements:*

**OTHER POWER PACK OPTIONS NOT LISTED**

**Voltage Available**                      **V**

**AC/DC:**

**Hz / Cycle Speed (CS):**

**Notes regarding the Power Pack(s):**

## **Rudder Angle Indication**

**How many Rudder Angle Indicators are required?**

**Please state where on the vessel the Indicators will be situated?**

*Please note if the rudders are not mechanically linked, we recommend that on each position there is one Indicator per Rudder so you can monitor the position of each Rudder.*

## **Additional Information:**

**Will a Nozzle be fitted on the Propeller?**

**Will the hull have a Tunnelling effect?**

**What delivery schedule is required?            weeks**

## **Rudder Quotation**

**Please select the preferred option (more than one option can be selected):**

- 1. Wills Ridley to design and manufacture the Rudder(s) & Full Rudder Tube assembly.**
- 2. Wills Ridley to manufacture the Rudder(s) & Full Rudder Tube assembly to a manufacturing drawing provided by the customer.**
- 3. Wills Ridley provide a design only (manufacturing drawing, this will be stamped if the vessel requires classification approval) of Rudders & Full Rudder Tube assembly for local manufacture by the customer.**

***Additional Notes regarding Steering Gear and Rudders:***

**Quotations can also be prepared for following list of products, Please tick if you require any information on the following parts:**

- 1. Deck Machinery**
- 2. Rope**
- 3. Various Pumps and Valves (if replacing existing ones please provide any information you have, i.e. part numbers)**
- 4. Fittings and seals**
- 5. Complete Stern gear packages**
- 6. Electrical Cabinets and controls, customised to customer requirements**
- 7. Retro Fitting a steering system not supplied by Wills Ridley**