

## Steering Design

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### Project Summary

The steering system for the boat have been an issue for some time. The team have been testing different power transmissions to maneuver the surface piercing drive. Moving from hydraulic steering to rack and pinion cable systems, the problem of easily maneuver through water is still a difficulty we have to overcome. The main goal of this project to design and manufacture a new steering system that allows the driver to control the boat as effortlessly as possible.

### Requirements

- Steering system must be adaptable to a surface piercing drive
- Steering system must be able to reach maximum capacity in 1 to 2 revolutions

### Learning Capabilities

- CAD modeling with SolidWorks
- Drag Forces and Tensions study
- Computational Fluid Dynamics

### Steering Design Team Information

The Steering design team meets every Thursday 3PM to 4PM at Heavy Engineering room 002.

