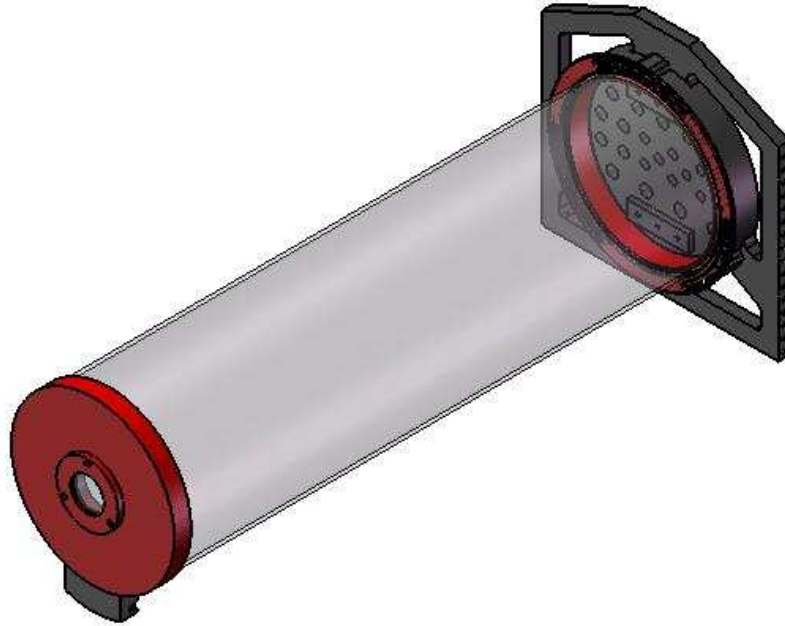


# Data Sheet



The purpose of the upper hull is to provide a water tight environment for the majority of the electronics on the vehicle. It contains the upper hull rack which holds these electronics, and is mounted to the frame via the rear endcap for easy hull removal and electronics access.

## Front Endcap Assembly:

### *Front Endcap*

- 8.5" diameter T6 6061 aluminum round stock
- #8-32 tapped holes for viewport flange
- #4-40 tapped holes for constraint mount

### *Viewport*

- 1.5" diameter T6 6061 Al round stock
- .375" #8-32 screws

### *Constraining Block*

- 3" x 1" T6 6061 Al square stock
- 1.5" #4-40 screws

## Hull Assembly:

### *Hull*

- 7" diameter x 24.25" acrylic tubing with .125" walls

### *Hull Collar*

- 8.5" diameter T6 6061 Al round stock

## Rear Endcap Assembly:

### *Rear Endcap*

- 12" x 12" T6 6061 aluminum square stock
- #8-32 tapped holes for connection to rack structure
- #8-32 tapped holes for connection to hull collar
- #8-32 tapped holes for frame mounting

