

# Data Sheet: Frame Structure



The main purpose of the frame is to provide a mounting system for all components of the vehicle and protect them from possible harm while doing so. It contains both Aluminum and Delrin sections in order to maximize its strength while minimizing weight. The system is meant to allow many mountings of equipment to allow for vast mission capabilities.

## Frame Assembly:

### *Aluminum square tubes:*

- 3/4" square aluminum stock
- 8-32 tapped holes for mounting to bulkheads, skids and other equipment

### *Delrin Bulkheads:*

- 3/4" thick Delrin stock
- 8-32 tapped holes to attach U channels and square tube

### *Aluminum U channels*

- 1/4" x 1/8" Aluminum Stock
- 8-32 tapped holes at ends for mounting

### *Delrin Skids:*

- 3/4" thick Delrin stock
- Water jet cut
- 8-32 tapped holes for mountings

### *Hydrophone mount:*

- 1/2" thick Delrin stock
- 8-32 tapped holes for mounting