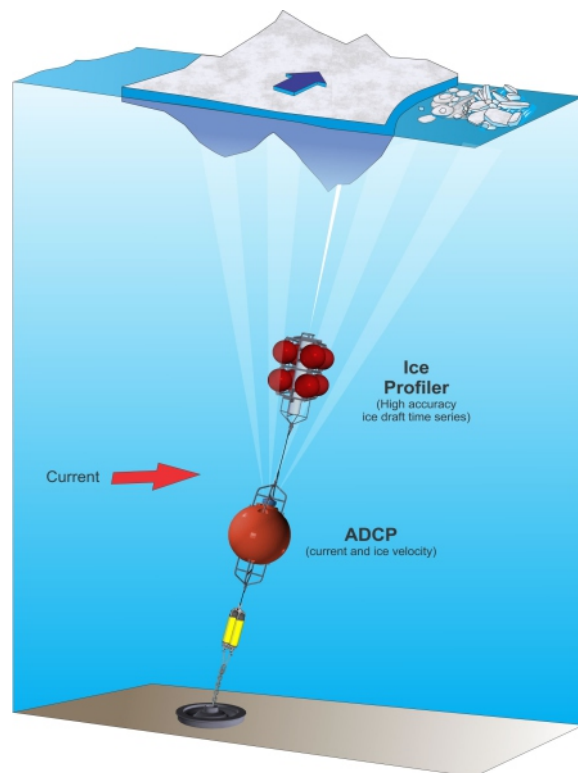




ASL provides many solutions for your mooring needs. Whether you're deploying a single instrument or a whole suite, we have a host of designs to suit your requirements. We also create custom designs. Our various configurations are:

- **Reasonably priced**
- **Field-proven**
- **Corrosion resistant construction**
- **For large or small boat deployments**
- **Well suited to oceanographic instrumentation**
- **Options available include pop-up buoys, ground lines, tilt-pingers**



## Standard and Custom Bottom Frames

### Gimballed Bottom Frame

Light-weight, collapsible, optional leg extensions for stability.

### Mini Bottom Frame

Simple and deployable from small boat.

### Diver Serviceable Bottom Frame

Instrument pod attaches to permanent base.

### Trawl Resistant Bottom Frame

Low profile, ice impact and trawl resistant.

### LowPro5

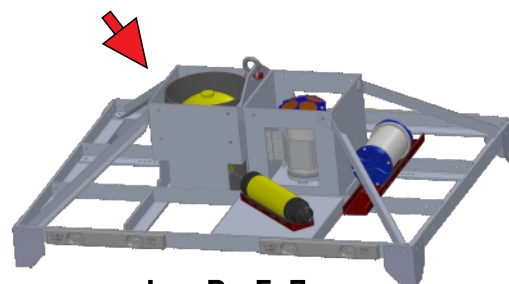
For use with RDI Sentinel ADCPs; can be taken apart for shipping & is very stable and easy to deploy.

### Tripod Bottom Frame

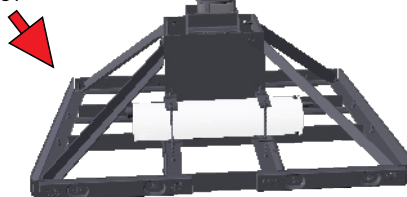
Easily configured; multi sensor.

### Multi-Instrument Bottom Frame

Designed for strong currents.



LowPro5x7



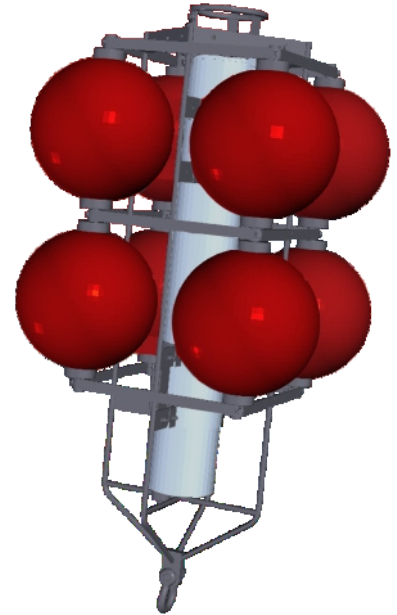
## Taut-Line Moorings

### ■ Standard Dual Purpose Cage Design

Specifically designed for the ASL Ice Profiler or Acoustic Zooplankton Fish Profiler (AZFP) in a full pressure case or any combination of the TRDI Workhorse ADCP and external battery pack.

#### Features:

- Specifically designed for the ASL Ice Profiler or Acoustic Zooplankton Fish Profiler in a full pressure case, or the RDI Workhorse ADCP with external battery pack, or two ADCPs.
- Shown with the HD modification with max working load of 2,000 lbs (higher loads on request).
- An optional top crown is available for use as an inline cage.
- 316 stainless steel construction.
- Includes sacrificial anodes for corrosion protection of the cage.
- Cage is electrically isolated from the instrument(s).
- Uses up to 8 Viny floats Model 12B3 (200m working depth). Deep-rated floats also available.
- Overall length is 56" inches (1 420 mm).
- Weight in air with anodes but without Viny floats and instrument(s) is approx. 65 lbs (or 30 kg).
- Est. weight in water with anodes but without Viny floats and instrument(s) is 56 lbs (or 26 kg).



### ■ Mooring Design/Custom Cage Design

ASL has designed and built a number of custom in-line cages for various oceanographic instruments (Passive Acoustic Recorders, Acoustic Doppler Current Meters, CTDs). As an example, one cage was specifically designed for the Model AEM-USB logger-type current meter manufactured by Alec Electronics co. Ltd.

#### Features:

- Specifically designed for the Model AEM-USB logger-type current meter manufactured by Alec Electronics co. Ltd.
- The three vertical rods are positioned 6.5" (165 mm) away from the EM transducer.
- Maximum working load is 2,000 lbs (higher loads available upon request).
- Overall length is 41" inches (1040mm).
- Weight in air with instrument and anodes is 15.5 lbs (7.0.kg).
- 316 stainless steel construction.
- Includes sacrificial anodes for corrosion protection of the cage.
- Cage is electrically isolated from the instrument.

