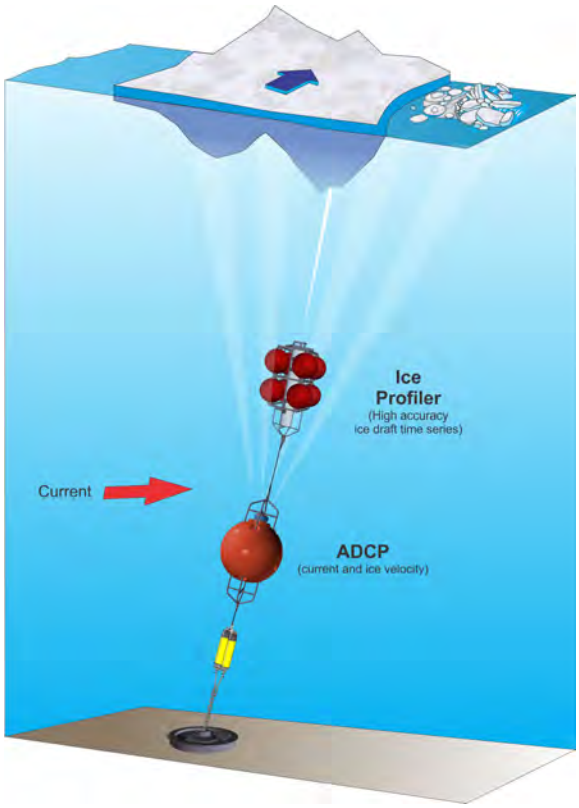
Mooring Design

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.

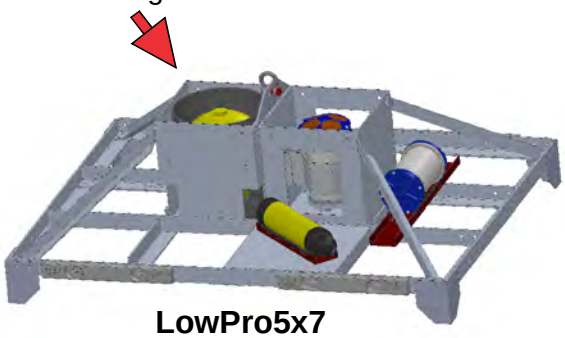
Diver Serviceable Bottom Frame
Instrument pod attaches to permanent base.

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.

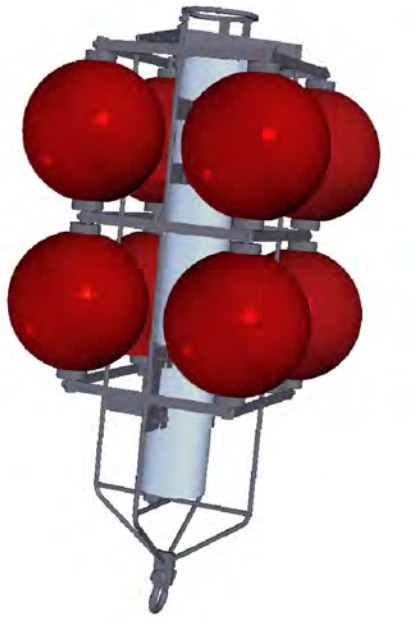


LowPro5x7

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.

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