



SWALE OCEANOGRAPHIC

Mounts and Frames

Trawl Resistant Bottom Mounts

Protecting Instruments From Trawlers

Trawl resistant bottom mount are designed for protecting oceanographic instrumentation from trawler gear. These instrument platforms are ideally suited for use with up-looking Doppler profilers, and provide sufficient space for extra battery housings, and other instrumentation.

Custom Designed Bottom Mount Systems

Optional diver serviceable instrument mounts and acoustically activated pop-up buoys are available to suit specific applications. Their construction consists of a truncated rectangular fibreglass cover over a fibreglass grate. Purge holes in the upper perimeter of the cover, and handles are standard. Holes in the top surface are placed as needed to meet instrument mounting requirements.

Options:

- Dual Axis Gimbals for Doppler Profilers
- Custom Instrument Mounting Brackets
- Recovery System (Pop-up Buoy - not on Micro)



- Centre Deployment and Recovery Post
- Centre Deployment Ring (Micro Version)
- Lead Ballast
- Anti-Foul Paint

Tripods Mounts- Gimbaled ADCP Platforms

These open-sided, lightweight tripod style instrument platforms are ideally suited for use with upward looking Acoustic Doppler Current Profilers.

Gimbaled mounting hardware provides proper orientation of the transducer head on sloping sea-beds and additional mounting is available on the tripod braces for extra battery housings, and other instrumentation.

An optional acoustically activated pop-up buoy with high strength Spectra line to hoist the platforms on deck allows recovery without the use of divers.

Features:

- Dual Axis Gimbals
- Lightweight Construction
- Knocks Down for Compact Transportation
- Corrosion Resistant 6061 Aluminum
- Zinc Anodes for Added Protection



- Removable Lead Ballast
- Welded Pick-Up Bail
- Lowering Eyes (2)
- Powder Coat or Epoxy Paint Finishes
- Brackets for Additional Instrument Housings



Subsurface Moorings Frames

A wide range of frames for mounting and protecting oceanographic instrumentation can be built to custom specification. These rugged frames are constructed from type 316 stainless steel or titanium round bar with upper and lower bails to accept shackles for attachment to the mooring line and isolation bushings and anodes are used to provide additional protection against corrosion. A simple clamp set allows easy assembly of the main pressure case and remote battery housings.

Frames are available with syntactic or vinyl buoyancy packages to suit different mooring applications and dynamics.



Features:

- High Strength (2300 kg & 4500 kg)
- Type 316 Stainless Steel Construction
- Corrosion Resistant with Isolation Bushings & Anodes
- Electro-Polished Frames
- Unobstructed Transducer Beam (Doppler Profilers)
- Integral Pressure Case Clamping Bands
- Standard Instrument Designs
- Custom Frames for Unique Applications
- Integral Syntactic Foam Buoyancy Packages
- Vinyl Float Configurations for Low Cost Buoyancy

MTRBM System Specifications:

Model:	Micro-MTRBM	Standard MTRBM
Cover Material	6.4 mm fibreglass	6.4 mm fibreglass
Base Material	25.4 mm fibreglass	25.4 mm fibreglass
Gimbals	PVC / stainless	PVC / stainless
Fasteners	316 stainless	316 stainless
Length	1320 mm	1775 mm
Width	1067 mm	1220 mm
Height (Outside)	355 mm	470 mm
Height (Inside)	280 mm	438 mm
Weight In Air	36 kg empty	60 kg empty
Weight In Water	14 kg empty	23 kg empty

Tripod Mount Specifications:

Frame Material	6061 Aluminium
Dual Axis Gimbals	PVC
Fasteners, Eye Nuts	316 Stainless Steel
Angle of Legs	45 degrees
Overall Height	0.5m
Overall Diameter	1.5m
Air Weight	31 kg with Lead Ballast
Water Weight	25 kg with Lead Ballast
Standard Lead Ballast	13.6 kg



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