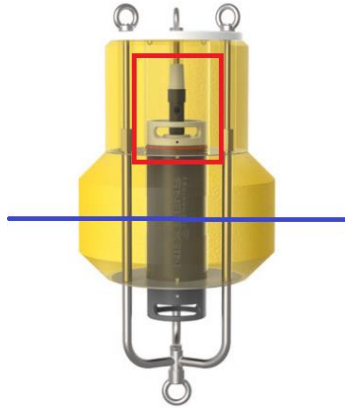# NexSens CB-50 Data Buoy Quick Start Guide

The NexSens CB-50 Data Buoy is designed to accommodate NexSens X2-SDL submersible data loggers for quick deployment and immediate environmental monitoring.

Cage Assembly

1 Attach the cage to the buoy frame using the ¾" bolt, lock washer and castle nut.

2 Tighten firmly with 1-1/8" wrenches or large crescent wrenches. Be sure to flatten the lock washer and lineup the hole in the bolt with the notches in the castle nut.

3 Place the cotter pin through the hole in the bolt, and bend the long leg of the pin to prevent the nut from coming loose.

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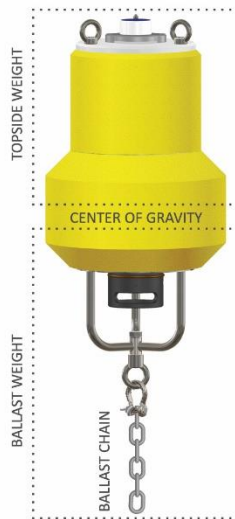## Mooring Options

Single-Point Mooring

Used when sensors are attached to the instrument cage or housed in deployment pipes

Ballast Weight & Stability

To prevent overturning and ensure stability, additional ballast weight may be needed.

As configured at the factory, the center of gravity of the buoy is near the water's surface. It is recommended to use galvanized chain for ballast; however, the exact weight is dependent upon the conditions at the deployment location.

Warning: Always follow safe marine and boating practices. Heavy anchors, ballast weights and chain require careful maneuvering. Small boats with limited lifting equipment and boat clutter can be unsafe. Care must be taken during deployment to maintain a clean and safe environment.

For additional information, please read the CB-50 User Guide located on the NexSens Knowledge Base website.

https://www.nexsens.com/knowledge-base-v2/data-buoys/cb-50/user-guide