

# Mooring

data buoys

- Buoy-based deployments
- Highly visible marker buoys
- Cast iron pyramid anchors
- Stainless steel mooring line
- Water quality sensor clamps

NexSens offers a comprehensive selection of mooring hardware and accessories for securely deploying data buoys in lakes, streams, and coastal waters. Polyform **marker buoys** are used to stabilize and support mooring lines. These extremely durable, marine-grade PVC buoys are bright red in color for enhanced visibility. A screw plug valve allows for fast and easy inflation. Six different sizes are available ranging from 13 lb buoyancy up to 396 lb buoyancy to meet the needs of various applications.

For excellent holding power, cast iron **pyramid anchors** are superior to granite or concrete blocks. When underwater, concrete and granite tend to lose their mass over time. Pyramid anchors do not degrade and feature digging properties to resist drift tendency. Anchor weights range from 15 lbs to 300 lbs. **Galvanized chain** is available to set and hold the anchor properly. When laid out on the bottom, the chain functions as a catenary curve to absorb shock induced by water level fluctuations and current. Stainless steel **bow shackles** ensure a strong linkage between mooring components.

Custom built 3/16" vinyl coated stainless steel **mooring lines** are designed to link marker buoys to the data buoy and bottom deployed anchors. Each loop end is clamped and features heat shrink tubing to prevent fraying. NexSens **mooring clamps** are used for attaching water quality sensors along the mooring line. The **T-Clamp** is designed specifically for use with NexSens **T-Node** temperature sensors. Sonde mooring clamps are available to securely attach YSI 6-Series sondes and other water quality sensors along a mooring line in buoy-based applications.

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## parts list

Polyform Mooring & Marker Buoys	
A-0-RED	Red mooring & marker buoy, 9" diameter, 13 lb. buoyancy
A-1-RED	Red mooring & marker buoy, 11.5" diameter, 29 lb. buoyancy
A-2-RED	Red mooring & marker buoy, 15.5" diameter, 68 lb. buoyancy
A-3-RED	Red mooring & marker buoy, 18.5" diameter, 121 lb. buoyancy
A-4-RED	Red mooring & marker buoy, 21.5" diameter, 187 lb. buoyancy
A-5-RED	Red mooring & marker buoy, 27.6" diameter, 396 lb. buoyancy
NexSens Pyramid Anchors	
DOR15	Pyramid anchor, 15 lb.
DOR35	Pyramid anchor, 35 lb.
DOR70	Pyramid anchor, 70 lb.
DOR135	Pyramid anchor, 135 lb.
DOR300	Pyramid anchor, 300 lb.
NexSens Galvanized Chain	
HGPC187i	Galvanized chain, 3/16"
HGPC250i	Galvanized chain, 1/4"
HGPC375i	Galvanized chain, 3/8"
HGPC500i	Galvanized chain, 1/2"
HGPC625i	Galvanized chain, 5/8"
HGPC750i	Galvanized chain, 3/4"
NexSens Stainless Steel Bow Shackles	
SSPA187i-BOW	Stainless steel bow shackle, 3/16"
SSPA250i-BOW	Stainless steel bow shackle, 1/4"
SSPA375i-BOW	Stainless steel bow shackle, 3/8"
SSPA500i-BOW	Stainless steel bow shackle, 1/2"
SSPA625i-BOW	Stainless steel bow shackle, 5/8"
SSPA750i-BOW	Stainless steel bow shackle, 3/4"
NexSens Stainless Steel Mooring Lines	
SS187-10	Custom built 3/16" vinyl coated SS mooring line, 10'
SS187-15	Custom built 3/16" vinyl coated SS mooring line, 15'
SS187-25	Custom built 3/16" vinyl coated SS mooring line, 25'
SS187-50	Custom built 3/16" vinyl coated SS mooring line, 50'
SS187-75	Custom built 3/16" vinyl coated SS mooring line, 75'
SS187-100	Custom built 3/16" vinyl coated SS mooring line, 100'
SS187-125	Custom built 3/16" vinyl coated SS mooring line, 125'
SS187-150	Custom built 3/16" vinyl coated SS mooring line, 150'
NexSens Mooring Clamps	
T-Clamp	Mooring clamp for NexSens temperature strings, fits 1/4" stainless steel wire rope
MC-600	Mooring clamp for water quality instruments, fits 1/4" stainless steel wire rope



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