EXO CAGE

INSTALLATION INSTRUCTIONS

Figure 1: NexSens EXO cage.
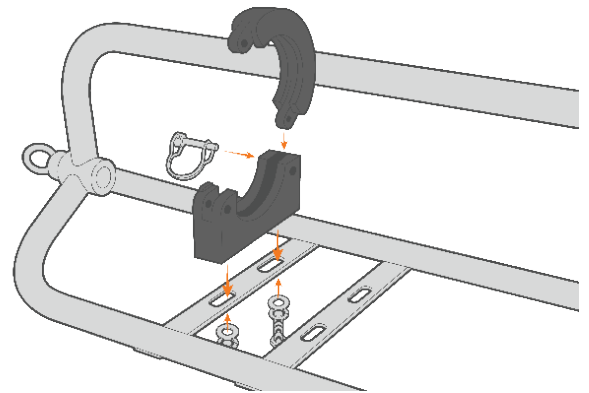
Overview

The NexSens EXO sonde mooring cage provides a secure and convenient means of deploying a YSI EXO multi-parameter water quality sonde. Follow the instructions to secure the sonde properly within the mooring cage. Ensure to review the backup tethering information in step 5.
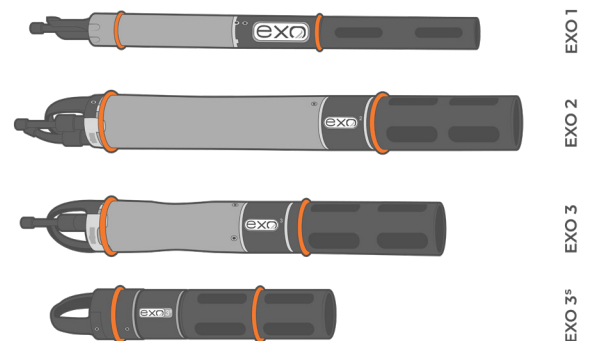
What's Included

EXO Mounting clamp hardware

- (1) EXO sonde cage w/ cross members
- (2) Cage mounts
- (2) Cage clamps
- (4) 3/8-16 x 1" Hex head cap screws
- (4) 3/8" split lock washers
- (4) 3/8" flat washers
- (4) Clevis pins w/ locking retainer
- (2) Silicone o-rings

① Mount the top clamp (contains indexing key) to one of the brackets closest to the cage eye nut.

   a. For EXO 2 and 3 sonde models, the clamp must be at the top bracket. The EXO 1 can be located on either bracket.

   b. Use the two bolts, lock washers and flat washers to mount the base of the clamp. Then use the clevis pin to attach the top.
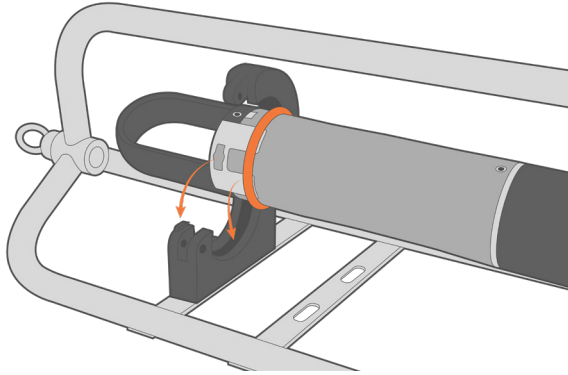

Figure 2: Mount the EXO sonde clamps onto the cage.

② Install the included O-rings onto the sonde body.

   a. Approximate spacing for each model is shown below.

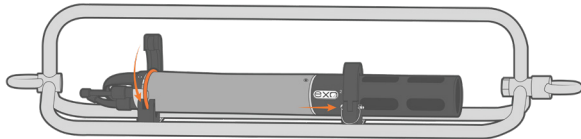   b. Placement of the O-rings must align with the clamps on the cage.

Figure 3: Approximate O-ring placement on EXO sonde models for EXO cage clamps.

3 Remove the clevis pins from each clamp.

   a. Place the EXO sonde into the clamps and align the O-rings with the clamp grooves.

   b. For EXO 2 and EXO 3 sonde models, mate the recess of the sonde bulkhead with the indexing key located on the upper clamp of the EXO cage.

Figure 4: Align the top O-ring and EXO recess with the indexing key on the top clamp.

4 Push down on the top of each clamp and re-install the clevis pins.

   a. Pull on the sonde to ensure no movement occurs while locked into the clamps.

Figure 5: Close the clamps to secure the sonde within the cage.

5 It is recommended to attach a backup tether from the loop on top of the sonde to (1) of the (3) 3/8" bottom mounted buoy eyenuts for added security during deployment.

   a. Additionally, it is recommended to utilize the cable grip included with YSI EXO field cables.

937-426-2703
www.nexsens.com

NEXSENS
technology

2091 Exchange Court
Fairborn, Ohio 45324