



EXO Cable Strain Relief Kit

Quick Start Guide

Taking the strain out of environmental monitoring.

The EXO Cable Strain Relief is designed to add redundant protection to your EXO Field Cable (599040-x) or EXO Vented Field Cable (599210-x). Proper installation allows the 316 Stainless Steel (SS) parts to add additional support, and offers the best corrosion resistance currently available for your high-fouling monitoring application. Please follow the steps below to ensure a proper fit for your EXO platform.

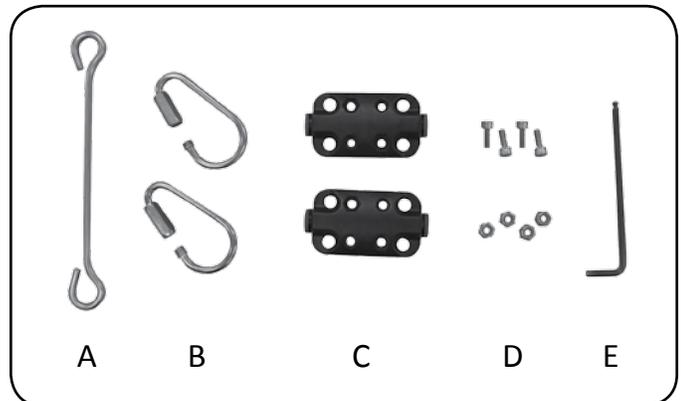
Specifications	Cable Grip Options
Sustained Loading: 40 lb / 18.14 kg	599951-01: .344 diameter For use with EXO Field Cable (599040-x) and EXO Flying Lead Cable (599008-x)
Max Short Term Loading (abrupt shock): 200 lb / 90.72 kg	
Materials: Corrosion resistant 316 Stainless Steel Cable grip: Xenoy plastic	599951-02: .360 diameter For use with EXO Vented Field Cable (599210-x)
Warranty: 2 years	

➤ Unboxing

Your new EXO Strain Relief Kit includes the following items:

- A - Double Eye Link (1) (SS)
- B - Pear shaped Quick Links (2) (SS)
- C - EXO Cable Grips (2)
- D - Nylon-Insert Lock Nuts & Screws (4 ea.) (SS)
- E - Hex Wrench (5/32", 4.0mm)

If any item is missing, please contact info@ysi.com for replacements.

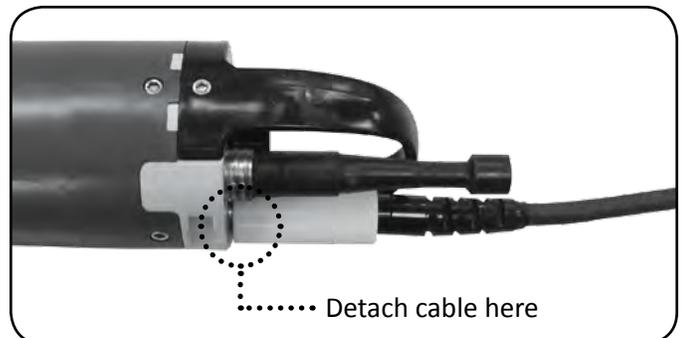


➤ Remove any existing strain relief.

If your sonde is fitted with the classic style wire strain relief **it must be removed** before proceeding. Removal will require **wire cutters** and a pair of **protective work gloves**. Using the wire cutters, carefully snip every section open to remove the old wire strain relief. This will require about 20 individual cuts to free it from your EXO cable. **⚠ CAUTION:** The wires will be sharp, work gloves are highly recommended!

1 Ensure the EXO cable is detached from the sonde.

As the picture shows, detach the female (white) wet-mate locking sleeve from the top-side of the sonde. This will give you the most flexibility when installing the cable grip assembly.



Instructions continued on reverse.

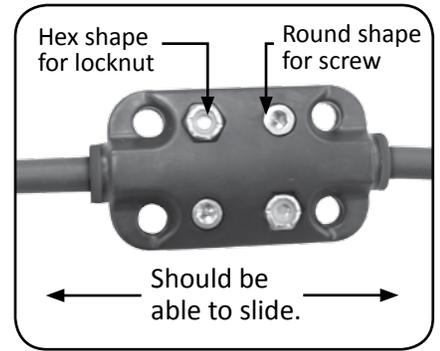
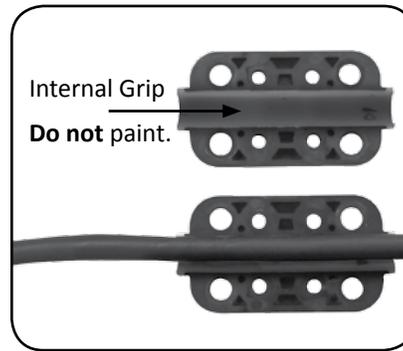
↖ An example of an installed strain relief kit. Note the sonde is supported by the field cable, with redundant support from the stainless steel parts.

2 Install the Cable Grip on the EXO Cable

Place both halves of the EXO Cable Grip around your EXO cable, just above the white wet-mate connector.

NOTE: Do not use antifouling paint on the internal area of the cable grip.

Push the included screws through the inner **round** cavities. Secure the screws with the included locknuts using the **hex-shaped** cavities on the opposite side. The screws and locknuts will only fit in one direction. Use the hex wrench to secure the assembly but **do not tighten-down the screws yet**. The assembly should be able to freely slide up and down the cable.

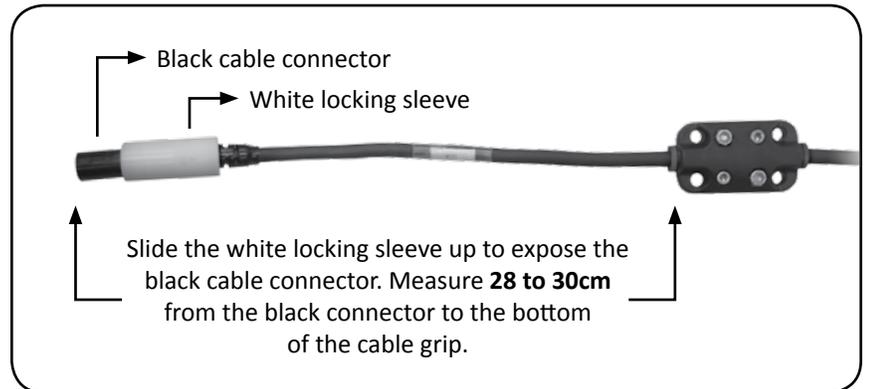


3 Measure and slide the assembly into the correct position.

Measure out **28 to 30 cm** from the start of the black wet-mate connector to the bottom of the cable grip. Slide the assembly into the correct position.

You may now secure the assembly into place by using the hex wrench to tighten down the screws, tighten to approximately 25-30 lbs. (11.34-13.61 kg.)

You should not see any significant gaps between the halves of the cable grip assembly, and you should no longer be able to slide it up or down the cable.



4 Attach Quick Links and Double Eye Link

Place one of the pear-shaped Quick Links on the Cable Grip assembly, towards the sonde. Attach the Double Eye Link to the Quick Link and tighten down the locking collar, securing it place.

Next, attach the second pear-shaped Quick Link to the opposite end of the Double Eye Link.

Finally, place the Quick Link around the bail of the Sonde. Tighten the locking collar of the second Quick Link so that it is secured to the bail and Double Eye Link. The assembly is now installed.



5 Reattach White Wet-Mate connector to top-side of Sonde.

To start using your EXO Strain Relief, reattach the wet-mate connector to the top-side of your Sonde. Reference the image on the reverse side of this document to see how the Strain Relief should would redundantly to support the EXO field cable.

NOTE: Temperature fluctuations can loosen screws over time. Check and retighten between deployments.