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EXO Mooring Clamp Assembly (351090)

The mooring clamp is sized for both EXO 2 and EXO 3 and can be deployed in either configuration as shown. When installed on an EXO 3, the spreader bar is removed and stored elsewhere.



Figure 1: EXO2



Figure 2: EXO3

The yellow core-clamp portion (Figure 3) grips firmly onto a wire rope assembly of 5mm to 8mm outer diameter. The black main body of the clamp mechanism wraps around the core on a hinge. A large spring clip closes the hinge mechanism and is removable even with heavy dive gloves on. The main body rotates freely on the core to allow the sonde to swing downstream in currents and prevent twisting of the mooring line.

When removed for servicing, the Yellow core clamp remains on the mooring and the main body is brought up with the sonde.

The spring clip is attached to the main assembly via a monofilament lanyard. The loop of the lanyard installs in different location depending on the deployment configuration.



Figure 3: Yellow core-clamp portion

EXO 2 Lanyard Connection

The lanyard is pinned between the spreader bar and the hinged clamp body (Figure 4).



Figure 4: EXO2 lanyard connection

EXO 3 Lanyard Connection

When installed on an EXO 3 it is important to keep the lanyard end within the semi-circular free space of the sonde clamp-ring (Figures 5 and 6). Avoid trapping the lanyard either above or below this point as this negatively affects the grip performance of the assembly on the body of the sonde.



Figure 5: EXO3 lanyard connection



Figure 6: EXO3 lanyard connection

When assembling the hardware, the thin nut installs on the through-bolt and lock washer prior to the standard nut. All metal hardware is 316 stainless steel and 1/4-20 UNC thread (Figure 7).

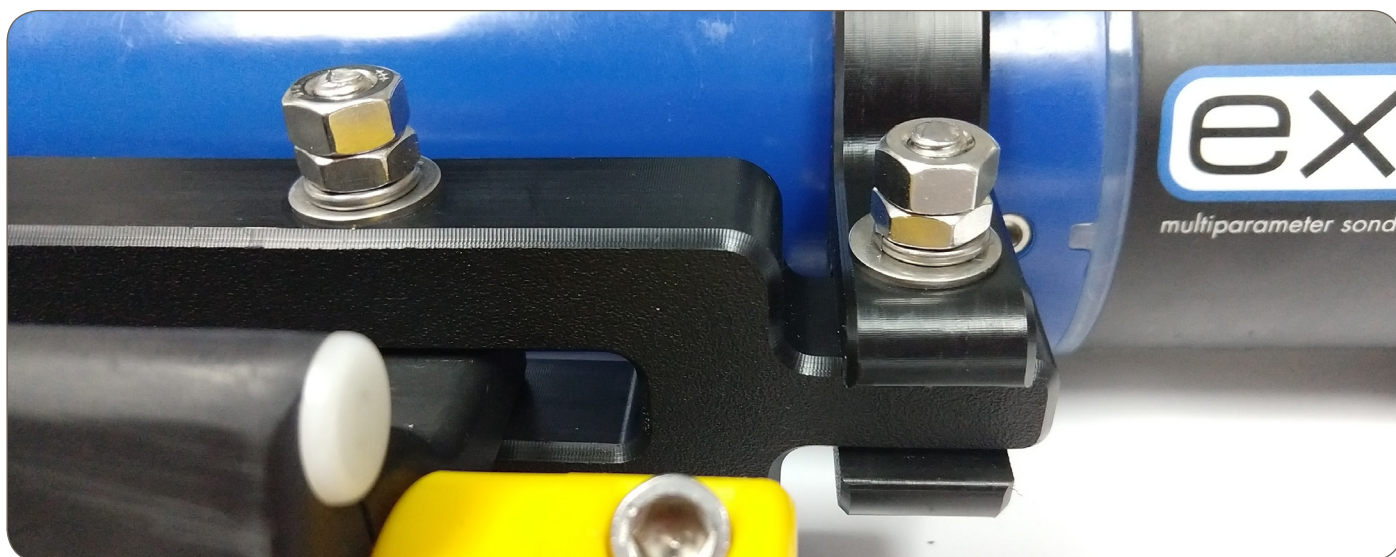


Figure 7: Assembling the hardware

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