

ATAC Setup and Use guide

1. Background

The Automatic Tow Actuated Coupler (ATAC) is designed to integrate with the CRNE system to allow a diver or ROV to attach only the shuttle, with the tow rope pre-rigged on it, to the weight... using the weight and the tow vehicle to tow the system down to the weight, automatically actuate and lift without any divers in the water.

The shuttle engaging with the ATAC Collar actuates the CRNE system pneumatically, and is dual-actuated for redundancy.

ATAC system is capable of carrying any load that the CRNE can lift, and has been weight tested for 2X the maximum capacity of the CRNE system's ability to lift.

2. System Preparation and Rigging

2.1. Shuttle Removal

- 2.1.1. Working close to the ground, or above a tabletop to prevent injury from dropping the 7# shuttle, use both thumbs and both index fingers to simultaneously push down on the lifting dogs and pull up on the actuation dogs to release the shuttle.



- 2.1.2. Shuttle is set aside to rig to the tow rope

- 2.2. Using a small adjustable wrench remove the caps form the ATAC Actuation ports and stow them in the Spare Parts Kit for safekeeping.



2.3. Install CO2 cartridges. Using a finger with silicone grease, lubricate the threads and O-ring flat of a fresh CO2 cartridge

2.4. Screw the cartridge into the ATAC actuator body until it bottoms out.



2.5. Repeat for the other side.

2.6. With the short hose on top install the ATAC on the CRNE.

2.6.1. Hand tighten the hoses onto the connectors on the CRNE, being careful not to cross-thread the connectors.

2.7. With them hand tight install the 1" clevis pin and its locking ring

2.8. Adjust and tighten the hose ends with your adjustable wrench both at the CRNE and ensure that the hoses at the ATAC actuator bodies are snug as well.

Do not over-tighten!



3. Shuttle rigging

Tow line should be routed through the shuttle with the lift eyes facing away from the CRNE system. The tow line is pinned to the ATAC using the lower pin mount and shuttle is designed to accept a double thickness 5/8" Amsteel Blue line.