

The Molchanovs A6061 Rope Pulley

Molchanovs pioneered the first freediving pulley system in 2016 and is currently on their fourth generation of pulley systems: the [A6061 Rope Pulley](#). This classic pulley system uses a push lever to lower the line and allows for effortless use and faster handling. It is easy to operate and is designed to accommodate dive lines anywhere between 8-12mm.

Distinguishing differences in this particular pulley system include the mechanics, lever design, and handle placement. The angle of the handle is strategically placed towards the buoy and is protected from being accidentally pushed down.

Setup

For pulley systems such as the A6061 Rope Pulley, you would need to have a **marine-grade stainless steel or aluminum carabiners** that are about 10cm (4in) long to attach your pulley system to the buoy. It is recommended to have **two carabiners**: one for the pulley system, and the other to attach the bottom weight to when swimming with the buoy.

Instructions:

The A6061 Rope Pulley must be used with a **large carabiner**, 100-120mm minimum (not included).

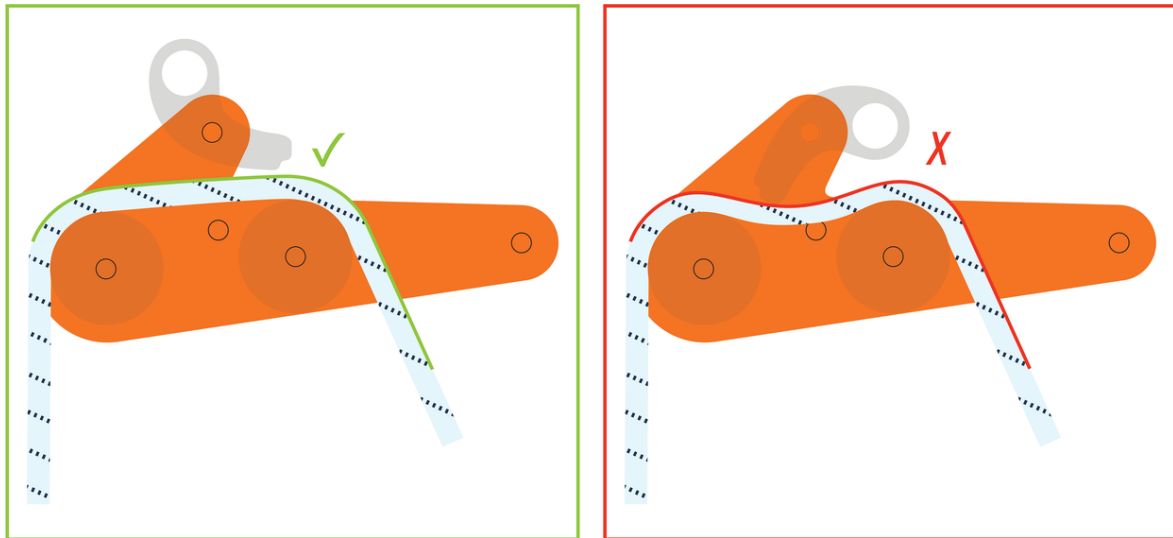
If you do not have a lanyard stopper already on the rope:

- Begin by locating the end of the rope where the bottom weight will attach.
- Pull the end of the rope under the metal pin (through the handle) and underneath the rope stopper (rope stopper should be in an open position*).
- Continue feeding the rope under the rope stopper and out through the other side.
- Test the pulley on land before using it in the water.

If you already have a lanyard stopper on the rope that cannot be removed:

- Begin by locating the end of the rope opposite of where the bottom weight will attach to.
- Push the end of the rope through the pulley system over the larger side with the wheel and underneath the rope stopper (rope stopper should be in an open position*).
- Pull the rope through and continue feeding it underneath the metal pin (through the handle).
- Test the pulley on land before using it in the water.

**The open position of the rope stopper is illustrated below*



When diving, it is recommended to take the remaining loose rope and secure it to a carabiner (we recommend using the **clove hitch**) attached to another place on the buoy outside of the D-ring area, such as one of the handles. This will provide a backup attachment point as a secondary safety measure (see the photo below for reference). Make sure to **rinse the pulley system in fresh water after use** and **let it fully dry** before putting it away for long-term storage.

