Patriot Docks

Aluminum Jack Installation Instructions

PN10819, PN10825, PN10840, PN10841, PN10844

Specifications:
Lifting Capacity: 1000lbs
Axle Load Limit: 500lbs
Travel of PN10819/10825/10840: 18 inches
Travel of PN10841 / 10844: 10 inches

General Use:

The Aluminum Jack is designed for marine use and serves many purposes along the lake shore. These aluminum jacks are used in conjunction with docks and piers as well as compact and full size boat lifts.

The aluminum body will not rust. The worm gear is made from stainless steel and bronze and lubricated with a heavy duty waterproof grease. The manufacturer recommends greasing the jack annually, generally done through the open tube at the bottom of the jack. Alternately, the jack can be disassembled for service by removing the pin in the hex Top Nut.

Operation:

The Aluminum Jack is operated using a **3/4" or 19mm** wrench or socket. A cordless drill can also be used. The Aluminum Jacks should always be **operated at a slow speed**. If two Aluminum Jacks are used to support two sides of a single object, each should be raised and lowered incrementally, alternating between jacks to prevent binding.

Installation:

The Aluminum Jack can be mounted to a dock or pier using the hole pattern on the mounting flange. Matching holes can be drilled in the framework to accept bolting on the jack. It is recommend that at least four 3/8" bolts, spaced 6" apart be used to firmly mount the jack through the flange.

The PN10841 and PN10844 include a backer plate and fasteners for mounting the Aluminum Jack to the horizontal cross member of a boat lift or other marine equipment. This model of the Aluminum Jack is designed to allow the wheel to be raised out of position when not in use.

The backer plate has hole patterns to accept a 3", 4", 5" or 6" tall cross member.

Generally, one pair of jacks with wheels are attached to the piece of marine equipment near the center lengthwise (center of gravity) to allow the unit to be balanced under its own weight and to be easily maneuverable.