



OZAL500DAV - 500lb
Alumi-Lite 500 Davit Crane Specifications

Section 1

Manufacturer Info:

OZ Lifting Products
5455 W. 6th St.
PO Box 845
Winona MN, 55987
507-474-6250

Section 2

2.1 Davit Crane

Manufacturer: davit crane shall be of domestic manufacture, as manufactured by OZ Lifting Products, OZAL500DAV.

Load Capacity: davit crane shall have a load capacity of **275lbs** at horizontal, **330lbs** at +22.5° and **500lbs** at 45° boom positions.

Design Factor: davit crane shall be designed with an ultimate design factor exceeding **2.7:1** for all components, in all boom positions.

Proof Testing: davit crane shall be individually proof tested by manufacturer to 125% of rated load.

Hook Reach: davit crane shall have a hook reach of 42 inches when the boom is horizontal, measured from mast centerline to hook centerline.

Height Adjustments: davit crane boom shall have three points of height adjustment, the first at horizontal followed by +22.5, and +45 degrees above horizontal.

Boom Sheave: davit crane shall have a sheave at the end of the boom that the cable shall pass over.

Height Clearance: when used with the socket base, davit crane shall have a minimum clearance of 31 1/2 inches between mounting surface and underside of boom. When used with pedestal base, Davit crane shall have a minimum clearance of 46 inches between mounting surface and underside of boom.

Rotation: davit crane shall freely rotate 360 degrees in mounting base.

Pins: davit crane components shall be assembled using clevis style pins made from **RHoS compliant zinc plated corrosion resistant alloy steel**.

Portability: davit crane shall have the ability to be completely assembled and dis-assembled without tools, with a total weight not to exceed **25lbs** (exclusive of winch and cable).

Winch mounting: davit crane shall have a dedicated winch mounting surface located on the top of the boom to accept either a manual or electric winch.

ID Tag: davit crane shall be labeled with a metal identification plate permanently attached, marked in such a way as to be free of corrosion or marking degradation, and to include manufacturer's name, serial number, model number, load capacity, contact information, and other pertinent information.

2.2 Bases

Manufacturer: davit crane bases shall be of domestic manufacture, as manufactured by OZ Lifting Products, OZPED3, OZSOC3 and OZWALL3.

Base Style: davit crane shall utilize purpose built pedestal, socket and wall mount bases, not those of universal design. Part numbers OZPED3, OZSOC3 and OZWALL3.

Usage: bases shall allow davit crane mast to be installed and removed easily, with no tools.

Bearing surfaces: base shall have a self-lubricating nylon bearing sleeve to support mast rotation while also having a pin at the bottom of the base to positively engage the base of the mast.

2.3 Finish

Materials: davit crane shall be domestically made from a high strength aluminum construction. Bases **and pins** shall be domestically made from steel meeting ASTM standards.

Finish: davit crane shall be finished in a **powdercoated** finish. Bases and pins shall be RHoS compliant corrosive resistant zinc plated **and** powder coated finish.

2.4 Winches

Manual Winch: winch shall be of the brake winch type, utilizing a Weston style load holding brake, a quick-disconnect removable handle, bronze bearings, and available drill driven option.

Winch Capacity: load capacity of the winch to be appropriately sized to match that of the davit crane.

Finish: winch shall have all metal parts zinc plated.

Cable Attachment: winch shall facilitate cable attachment via either a standard cable anchor clamp, or a ball swaged cable end fitting.

