



**OZ1200DAV - 1200lb  
CompOZite Davit Crane Specifications**

Section 1

Manufacturer Info:

**OZ Lifting Products**  
**5455 W. 6<sup>th</sup> St.**  
**PO Box 845**  
**Winona MN, 55987**

**2.1 Davit Crane**

Section 2

Manufacturer: davit crane shall be of domestic manufacture, as manufactured by OZ Lifting Products, OZ1200DAV.

Load Capacity: davit crane shall have a load capacity which varies based on boom position. Davit crane load capacity shall be 1,200lbs with the boom fully retracted and 400lbs with the boom fully extended.

Design Factor: davit crane shall be designed with an ultimate design factor exceeding 3:1 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 shall have a boom that can telescope to 4 different fixed lengths allowing hook reach of: 36", 46", 56", and 66" at horizontal position.

Height Adjustments: davit crane boom shall be infinitely adjustable from horizontal to +45 degrees above horizontal by means of a ratcheting screw jack.

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 39 inches between the mounting surface and underside of boom. when used with pedestal base, davit crane shall have a minimum clearance of 52 inches between the mounting surface and underside of boom.

Rotation: davit crane shall freely rotate 360 degrees in mounting base, with included handle to aid in rotation.

Pins: davit crane components shall be assembled using clevis style pins made from stainless steel.

Portability: davit crane shall have the ability to be completely assembled and dis-assembled without tools, with a total weight not to exceed 80 lbs (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, OZPED1, OZSOC1, and OZWALL1.

Base Style: davit crane shall utilize purpose built socket and pedestal bases, not those of universal design. Part numbers OZPED1, OZSOC1, and OZWALL1.

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 combination of advanced composite materials and steel meeting ASTM standards. Bases and pins shall be domestically made from steel meeting ASTM standards. Pins shall be made from Stainless Steel.

Finish: davit crane shall be finished in a combination of polyurethane paint and zinc plating. Bases shall be corrosion resistant zinc plated and/or powder coated.

## **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.