



**OZ500DAV - 500lb  
Steel Davit Crane Specifications**

Section 1

Manufacturer Info:

**OZ Lifting Products**  
**5455 W. 6<sup>th</sup> 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, OZ500DAV.

Load Capacity: davit crane shall have a load capacity of 500lbs at all boom positions.

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 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 four points of height adjustment, the first at horizontal followed by +15, +30, 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 29 inches between the mounting surface and underside of boom. when used with pedestal base, davit crane shall have a minimum clearance of 43 1/2 inches between the 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 50lbs (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, OZSOC3, OZPED3, and OZWALL3.

Base Style: davit crane shall utilize purpose built socket, pedestal, and wall mount bases, not those of universal design. Part numbers OZSOC3, OZPED3, 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, bases, and pins shall be domestically made from steel meeting ASTM standards.

Finish: davit crane, bases, and pins shall be RHoS compliant 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 steel parts zinc plated.

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

