



## **Steel Davit Crane Specifications**

### **All-steel davit crane with hand**

### **OZ2500DAV – 2500 lb. capacity**

#### **Technical Specifications**

Manufacturer:	OZ Lifting Products
Load Capacity:	2500 lb. (1133.98 kg.)
Hook Reach:	30.86 in. (784mm) to 48.37 in. (1229), dependent on boom position
Hook Height:	44.60 in. (1133mm) to 75.14 in. (1908mm) maximum, dependent upon base selection
Safety Factor:	3:1 for all components in all positions

#### **1. FUNCTIONALITY**

- A. Manufacturer: Davit crane shall be of domestic manufacture, as manufactured by OZ Lifting Products, OZ2500DAV.
- B. Load Capacity: Davit crane shall have a load capacity of 2500 lb. (1133.98 kg.) at all boom positions.
- C. Design Factor: Davit crane shall be designed with an ultimate design factor exceeding 3:1 for all components, in all boom positions.
- D. Proof Testing: Davit crane shall be individually proof tested by manufacturer to 125% of rated load.
- E. Davit crane shall have a fixed boom allowing hook reach of 48 in. (1219mm) when the boom is horizontal, measured from mast centerline to hook centerline.
- F. Height Adjustments: Davit crane boom shall have four points of height adjustment, the first at horizontal followed by +15 degrees, +30 degrees, and +45 degrees above horizontal.
- G. Boom Sheave: Davit crane shall have a sheave at the end of the boom that the cable shall pass over.
- H. Height Clearance: When used with a socket base, davit crane shall have a minimum clearance of 36.38 in. (924mm) between the mounting surface and underside of boom. When used with a pedestal base, davit crane shall have a minimum clearance of 50.13 in. (1273mm) between the mounting surface and underside of boom. When used with a wall base, davit crane shall have a minimum clearance of 35.15 in. (893mm) between the mounting surface and underside of boom.
- I. Rotation: Davit crane shall freely rotate 360 degrees in mounting base, with included handle to aid in rotation.
- J. Pins: Davit crane components shall be assembled using clevis-style pins made from RoHS-compliant corrosion-resistant, zinc-plated alloy steel.
- K. Portability: Davit crane shall have the ability to be completely assembled and disassembled without tools, with a total weight not to exceed 195 lb. (88.45 kg.), exclusive of winch and cable.
- L. 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.
- M. ID Tag: Davit crane shall be labeled with a non-corrosive identification plate made from metalized polyester with permanent industrial adhesive, attached, and labeled or imprinted to include manufacturer's name, serial number, model number, load capacity, contact information, and other pertinent information.

#### **2. BASES**

- A. Manufacturer: Davit crane bases shall be of domestic manufacture, as manufactured by OZ Lifting Products, OZPED4, OZSOC4, and OZWALL4.
- B. Base Style: Davit crane shall utilize purpose-built pedestal, socket, and wall-mount bases, not those of universal design. (OZPED4, OZSOC4, and OZWALL4)

- C. Davit crane bases shall be finished with corrosion-resistant powder coating.
- D. Davit crane bases shall be finished with RoHS-compliant corrosion-resistant, exterior-grade powder coat.
- E. Bearing surfaces: Base shall have a Nylatron plastic bushing sleeve, while also having a puck at the bottom to positively engage and support mast rotation.

### **3. FINISH**

- A. Materials: Davit crane shall be domestically made from steel meeting ASTM standards. Bases and pins shall be domestically made from steel meeting ASTM standards. Pins shall be made from steel.
- B. Finish: Davit crane shall be finished in a RoHS-compliant, corrosion-resistant zinc-plated and/or powdercoat. Bases shall be RoHS-compliant, corrosion-resistant powder-coated. Pins shall be finished in corrosion-resistant zinc-plated finish.

### **4. WINCHES**

- A. 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.
- B. Winch Capacity: Load capacity of the winch to be appropriately sized to match that of the davit crane.
- C. Finish: Winch shall have zinc-plated and/or powder-coated parts.
- D. Wire Rope Attachment: Winch shall facilitate wire rope attachment via either a standard cable anchor clamp, or a ball swaged cable end fitting.

### **5. ACCESSORIES**

- A. Headache Ball: To apply tension to wire rope when not under load. Compatible with 3/16" and 1/4" wire rope. (OZHB10)
- B. Winch Cover: Used to protect AC and DC electric winches. Water-resistant vinyl with drawstring closure keeps winch clean and dry. Specially treated for cold weather use. Dimensions are 11 in. (279mm) long, 8 in. (203mm) wide, and 7.25 in. (184mm) tall. (OZECW)
- C. Wire Rope Holder: Secure davit crane's swaged ball end fitting wire rope to be inserted into the slot on the wire rope holder to allow wire rope to remain in place. Wire rope holder made from steel and powder coated for long-lasting durability. (OZWRH)
- D. Drill Drive Adapter: Convert a manual winch to a powered lifting solution with any electric drill using this drill drive adapter.