OZ LIFTING PRODUCTS, LLC
1213 INNOVATION DRIVE | WINONA, MN | 55987

Parapet Wall Clamp System Davit Crane Specifications
Removable Davit System for Concrete Parapets
OZPCXS – 250 lb. capacity

Technical Specifications

Manufacturer:	OZ Lifting Products
Load Capacity:	250 lb. (113 kg.)
Hook Reach:	39 in. (990mm) to 51 in. (1295mm) from outer wall edge, dependent on parapet thickness
Hook Height:	49 in. (1245mm) to 78 in. (1981mm), measured from top surface of parapet, dependent on boom position
Safety Factor:	3:1 for all components in all positions

A. **OZPCXS**

A. Manufacturer: OZPCXS shall be of domestic manufacture, as manufactured by OZ Lifting Products.
B. Load Capacity: OZPCXS shall have a load capacity of 250 lb. (113 kg.) at all boom positions.
C. Design Factor: OZPCXS shall be designed with an ultimate design factor exceeding 3:1 for all components, in all boom positions.
D. Proof Testing: OZPCXS shall be proof tested by the manufacturer to 125% of rated load.
E. Pins: OZPCXS components shall be assembled using clevis-style and ball detent pins made from zinc plated steel.
F. Portability: OZPCXS shall have the ability to be assembled and disassembled with minimal tools. Total system weight of 146 lb. (66 kg.), exclusive of wire rope. No system subcomponent has an individual weight exceeding 38 lb. (17 kg.).
G. ID Tag: OZPCXS components shall be labeled with identification plates 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.

B. **DAVIT**

A. The OZPCXS utilizes the OZPCX250 as the davit. No other davits are compatible with the system.
B. Manufacturer: The OZPCX250 shall be of domestic manufacture, as manufactured by OZ Lifting Products.
C. Davit crane shall have a fixed boom allowing hook reach of 39 in. (990mm) to 51 in. (1295mm), dependent on parapet thickness. This is measured from the outer wall edge to hook centerline, when the boom is in the horizontal adjustment position.
D. 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.
E. Boom Sheave: Davit crane shall have a sheave at the end of the boom that the cable shall pass over.
F. Rotation: Davit crane shall freely rotate 360 degrees in mounting base.
G. Winch mounting: Davit crane shall have a dedicated winch mounting surface located on the top of the boom to accept a manual winch.

C. **BASE**

A. The OZPCXS utilizes the OZPCX Clamp as the davit base. No other bases are compatible with the system.
B. Manufacturer: The OZPCX Clamp shall be of domestic manufacture, as manufactured by OZ Lifting Products.
C. Base Style: The OZPCX Clamp is intended to be mounted on a solid concrete parapet wall. The OZPCX Clamp is designed to fit walls with thickness ranging from 6 in. (153mm) to 18 in. (457mm).

D. Bearing surfaces: Base shall have a nylon bushing sleeve and a mild steel puck at the bottom to positively engage and support mast rotation.

E. Wall Contact: The OZPCX Clamp engages a solid concrete parapet using eight cup-point set screws. These set screws are driven against the wall by tightening the main lead screw with a torque wrench.

D. **FINISH**

A. Materials: Davit crane shall be domestically made from steel. Base and pins shall be domestically made from steel.

B. Finish: Davit crane shall have powder-coated finish. Base shall have a powder-coated finish and include raw bronze and zinc-plated components. Pins shall be finished in corrosion-resistant zinc-plated finish.

E. **WINCHES**

A. Manual Winch: Winch shall be of the brake winch type, utilizing a Weston-style load-holding brake, removable handle, and bronze bearings. (OZ1500BW)

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

ii. Finish: Winch shall have zinc-plated and/or powder-coated parts.

B. Electric Winch: The OZPCXS is compatible with manual winches only.

C. Wire Rope Attachment: Winch shall facilitate wire rope attachment via either a standard cable anchor clamp, or a ball swaged cable end fitting.

F. **HEADACHE BALL**

A. Headache Ball: To apply tension to wire rope when not under load. The OZHB10 headache ball is included with the OZPCXS.

G. **LOCKING COLLAR**

A. Locking Collar: Keep davit crane secure and prevent accidental rotation with this durable and easy-to-use locking collar. The OZ100022 locking collar is included with the OZPCX System.

H. **DRILL DRIVE ADAPTER**

A. Drill Drive Adapter: The OZ1500BW, sold with the OZPCXS, includes adapter OZ152BWDD, allowing operation of the manual winch using a standard drill driver.

I. **ACCESSORIES**

A. Davit Crane Protective Cover: Used to protect davit crane from the elements. Waterproof, zippered back with Velcro latch, and cinched mast closer. Outer layer is made from 100% polyester woven mesh, PVC-coated. Inner layer is made from 100% woven oxford, PVC backing. Dimensions are 85 in. (711mm) long and 26 in. (660mm) tall. (OZDAV-C2)