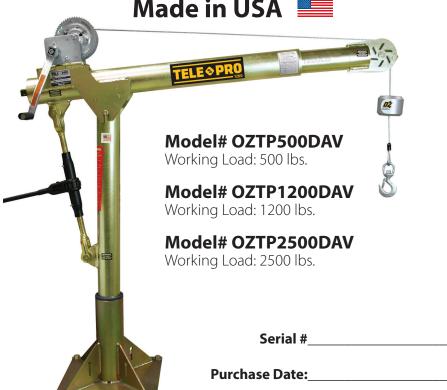


# TELESCOPING DAVIT CRANES Made in USA



Please read the Owner's Manual carefully before operating this product. Keep this manual available at all times.



P.O. Box 845, Winona, MN 55987

Distributed by

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# **Two Year Warranty**

OZ Lifting Products LLC® guarantees this product to be free of defects in materials and workmanship for two years from the date of shipment.

This warranty does not apply to products that show signs of misuse, overloading, alteration, improper maintenance, or negligence. The normal wear and tear of moving parts is excluded from the warranty. Moving parts are defined as brake discs, wire rope and other wear components that are subject to use conditions. This warranty does not cover any costs related to removal of this product, lost time, or any other incidental or consequential damages/costs resulting from the claimed defects.

If this product fails during the first two years of operating due to defective materials or workmanship, it will be repaired or replaced at the discretion of OZ Lifting Products LLC®. Any product subject to a warranty claim must be returned, prepaid, to an authorized OZ Lifting Products LLC® warranty depot along with proof of purchase. Upon repair, the product will be returned to the customer free of charge. If no defect is found, the customer will be responsible for return shipping costs. The product's warranty will be effective for the remainder of the original warranty period (two years from shipment date).

OZ Lifting Products LLC® will not be held liable for the following arising from the use of this product: injuries to persons or property, death, incidental, consequential, or contingent damages, whether negligent or deliberate. It is the sole responsibility of the owner to install and operate the product properly and safely.

This is OZ Lifting Products LLC®'s only written warranty. This warranty is in lieu of all other warranties implied by law such as merchantability and fitness. The sale of products from OZ Lifting Products LLC® under any other warranty or guarantee, expressed or implied, is not authorized.

NOTE: OZ Lifting Products LLC® has the right to alter the design of or discontinue the production of any product without prior notice.

For more information please contact:



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## **Product Precautions**

The information in this manual should be used only for the **TELE-PRO DAVIT CRANES** by OZ Lifting Products LLC®. This manual contains general instructions for normal installation, operation, and maintenance of the product described herein. The information provided should not be expected to prepare the user for all possible circumstances.

This product should not be installed, operated, or maintained by any person who has not read all the contents of this manual. Failure to read and comply with these instructions, warnings, or limitations may result in bodily injury, death, or property damage.

It is the responsibility of the owner/user to install, test, maintain, and operate this product in accordance with OSHA regulations as well as all other federal, state, and local regulations. Only trained and qualified personnel shall operate and maintain this product.

Regularly inspect the TELE-PRO DAVIT CRANES by OZ Lifting Products LLC® for signs of wear, elongation of holes, surface cracks, gouges, damage, or any abnormal conditions.

Product owners should schedule and keep record of regular inspection and maintenance. Record your **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® serial number and purchase date on the front cover of this manual for reference

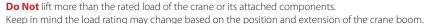
Do not use the **TELE-PRO DAVIT CRANES** by OZ Lifting Products LLC® in conjunction with other equipment unless the necessary safety devices are in place. Modifications to this product should only be authorized by the original manufacturer.

# **Safety Warnings**

Failure to read and comply with the following warnings may result in a hazardous situation that could lead to death, serious injury, or property damage. Keep this manual near the equipment at all times. Do not remove, alter, or obscure the labels attached to the winch. Contact OZ Lifting Products LLC® for replacement manuals and labels.

**Do Not** operate a damaged or malfunctioning product.

**Do Not** operate if guards are improperly installed or removed.



**Do Not** use additional cranes to move a load that is heavier than the load rating of any single crane in use.

**Do Not** modify this product in any way.

**Do Not** use for other functions except those for which this product is intended.

**Do Not** remove, deface, or obscure warning labels.

**Do Not** allow load to swing or jerk. Operate smoothly to avoid shock loads.

Do Not lift any load that is not located directly below the crane. This product is not intended to drag a load sideways.

Do Not wrap the load with the wire rope. Use only a sling or another manufacturer-approved device.

Do Not operate without 4 anchor wraps of wire rope around the winch drum (8 anchor wraps for Dyneema based cables).

**Do Not** operate without assuring wire rope is securely attached to the winch drum.

Do Not extend the ratchet jack beyond its travel limits. Ratchet jack should be tested separately from the crane before use.



**Do Not** lower the boom below the horizontal position.

**Do Not** operate without checking for proper lubrication.

**Do Not** put hands in areas with moving parts such as sheaves, wire ropes, and gears. **Do Not** lift people.

Do Not lift loads over people.

Do Not operate until personnel are warned of approaching loads and are cleared from the area.

Do Not leave a suspended load unattended.

**Do Not** substitute smaller diameter pins. Use only the pins supplied with the crane.

Do Not use chains, cables, or rigid devices to lift crane. Nylon or other synthetic slings should be used instead.

# **Initial Crane Inspection**

Check for damage during shipment. Do not install or use a damaged product. Be sure to maintain records of product information and contact your OZ Lifting Products LLC® dealer with any problems that arise. Refer to applicable codes and regulations before installing equipment. Contact a qualified professional to obtain structure and foundation specifications for product mounting.

### Before installing, select a location where the crane is:

- · Visible throughout its entire operation.
- Free of traffic and any possible operational interference.
- Positioned so the operator is clear of both the load and the path of the wire rope.
- Accessible for maintenance.
- Attached to a strong, level foundation that can properly support it under all conditions.
- Removed from any corrosive, flammable, explosive, or potentially damaging materials.

# **Installing the Base**

**NOTE:** The accompanying bases for the **TELE-PRO DAVIT CRANES** by OZ Lifting Products LLC® are sold separately through OZ Lifting Products LLC® dealers. They are necessary for proper operation of this product.

The base must be securely fastened to the foundation using appropriately sized coarse thread fasteners of at least grade 5. Fasteners should be torqued according to the fastener manufacturer recommendations. Not all crane bases use the same size fasteners. Each base has mounting holes that are sized for appropriate fasteners. Use the largest diameter fastener that will fit in the mounting holes. Please contact the factory with any base fastener questions.

Assure that mounting surface is located directly above a strong, level, solid foundation that supports the crane under all circumstances.

Non-standard products that have been altered from the original design may require alternative fastening requirements. Contact your OZ Lifting Products LLC® dealer for more information.



# **Assembling the Crane**

Please refer to the Assembly Diagram on pg. 7 before assembling the crane.

The following steps outline the physical steps required to assemble the **TELE-PRO DAVIT CRANES**. Some of the cranes will be too heavy for one person to assemble themselves. Please use additional persons and/or lifting equipment to assemble crane components deemed too heavy for one individual to handle.

**NOTE:** Fasteners should not be over-tightened during assembly as this may strip the threads and lead to damage. The two pins marked #2 are identical. Both are necessary for assembly.

Once the OZ Lifting Products LLC® base has been installed, assemble the crane with the following steps:

- **1.** Install the mast into the base. The mast will slide easily down into the base (no tools are necessary). Assure that the mast is properly positioned on the pin at the bottom of the base. This can be confirmed by moving the mast from side to side to check for excessive play. The mast should fit snugly. Assure that the height adjustment lug is facing towards the rear.
- **2.** Set the boom on the mast using the Smart Latch, an OZ Lifting Products quick connection system. Make sure the orientation of the boom is correct to the mast-the winch end of the boom should be over the ratchet jack attachment point on the mast. The boom should be rotated slightly so the oblong hole can be hooked over one end of the mast top pin. Rotate the boom back to the horizontal position to engage the other end of the mast top pin.

**NOTE:** Releasing your grip on the boom at this point in assembly may cause the boom to swing down into the mast. This could result in injury and/or damage to the product.

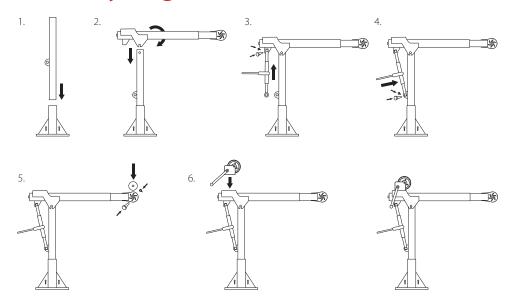
- **3.** Attach one end of the ratchet jack to the rear mounting lug on the boom. Align the holes in the ratchet jack with the hole in the mounting lug and insert clevis pin #2. Secure with a lynch pin.
- **4.** Attach the other end of the ratchet jack to the mounting lug on the crane mast. Align the holes in the ratchet jack with the hole in the mounting lug and insert the 2nd clevis pin #2. Secure with a lynch pin.

**NOTE:** The **TELE-PRO DAVIT CRANES** will ship from the factory partially assembled. The following steps are only for reference if the product must be reassembled.

- **5.** Slide the sheave pulley into the boom cap from either the top or the bottom. Align the holes on the sheave pulley with those on the boom. Insert clevis pin #1 and secure with lynch pin.
- **6.** Center the winch over the mounting holes on the top of the boom. The drum should be facing toward the sheave pulley. Secure the winch to the boom in the frontmost mounting position, or the set of three holes closest to the sheave. There are two bolt patterns on the boom. The smaller bolt pattern is for the manual winch.

**NOTE:** Disassembly is the reverse of the assembly. It is not necessary to fully disassemble the crane to transport it.

# **Assembly Diagram**



**NOTE:** Further disassembly of the boom extension/retraction mechanism is not normally needed. If full disassembly of the inner boom components is required, please contact the factory. Any unauthorized removal of the inner boom components will void the warranty.

## **Field Test**

There is no ASME standard for davit cranes. OZ Lifting Products davit cranes have a minimum 3:1 design factor. We individually load test and certify every davit crane to 125% of the rated capacity. A test certificate is generated that includes the serial number and a photo of the davit under load.

If a load test is required on site, we recommend contacting a civil engineer to determine if the base has been properly mounted to a secure location. We provide the information on the moment a base would pull away from the mounting bolts.

# **Installing the Cable**

The OZ Lifting Products LLC® cable assembly that can be ordered with the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® may come with a swaged ball on one end to facilitate easy assembly. Standard bare end cable can also be used. The hardware for bare end cable installation is included. Please refer to the accompanying winch owner's manual for instructions on installing a bare end cable.

### To install the OZ Lifting Products LLC® supplied cable with swaged ball end:

- 1. Lay the cable out on a flat surface to ensure it is not knotted or looped.
- 2. Locate the ball end of the cable.

- 3. Locate the "keyhole" in the winch drum that accepts the ball end of the cable.
- **4.** Thread the ball end of the cable over the load sheave pulley and towards the winch. The cable retainer pin may need to be removed from the tip of the boom so the ball will pass over the sheave.
- **5.** Insert the ball end fitting of the cable into the "keyhole" feature in the winch.
- 6. Ensure that the ball end of the cable slides into the slot in the "keyhole" and cannot be pulled out.
- **7.** Manually spool at least 4 full wraps of cable onto the winch drum. There must be at least 4 full anchor wraps of cable on the winch drum at all times.
- **8.** Install cable-retainer pin by inserting into holes at the tip of the boom.

**NOTE:** To ensure the maximum amount of cable can be spooled onto the winch, the cable must be neatly spooled onto the winch drum. If the cable is not spooled neatly onto the winch drum, the cable capacity will be reduced and handle effort may increase. Cable that is not spooled neatly can consume 30% more space on the winch drum, reducing cable capacity.

**For Synthetic Cable:** There will be a loop braided into the end to the cable. Install the cable as you would a bare end cable by placing this loop over the retainer bolt and secure with the stamped washer and lock nut.

**NOTE:** Dyneema based cables require 8 anchor wraps at all times

# **Operating the Crane**

### **Warnings & Precautions**

Operators should read and fully comprehend this entire manual and all warnings on the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® before beginning crane operation. If this manual is not read and followed completely, injuries and damage may occur. For questions regarding operation, please contact your OZ Lifting Products LLC® dealer.

Before operating the crane, be sure all parts are clean and properly lubricated. The crane must be in proper working condition and maintenance records must be up to date to proceed with operation. The area of operation must be clear of all flammable materials.

It is important to maintain secure footing while operating the crane. Confirm that the crane is attached securely to a a strong, level, solid foundation before operation. Slowly take up a load, verifying that it is well supported and balanced before proceeding with operation.

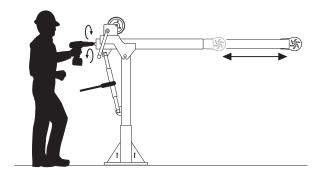
### **All operators MUST:**

- Be trained in proper crane operation and in dealing with potential malfunctions.
- Abstain from use of alcohol, medications, or drugs while operating.
- Avoid operation while tired or distracted.
- Avoid operation if they have a history of seizures or other medical issues that may interfere with crane operation.
- Have proper coordination and vision.

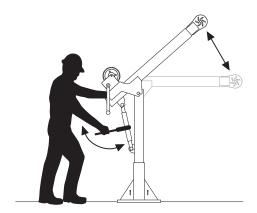


The **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® has a unique boom which is capable of being adjusted while under load. Both the angle and extension of the boom can be changed while the crane is under load. It is the user's responsibility to make sure the crane will not be overloaded at any point during the lift. Changing the angle and/or the extension of the boom may raise or lower the crane load capacity while the lift is being performed.

The angle of the boom is adjusted by using the ratchet binder on at the rear of the crane. At no time should the ratchet binder adjusted as to lower the crane boom below horizontal. The ratchet lever on the ratchet binder switches the ratchet binder between raise and lower.



The extension of the boom is adjusted via a square drive on the rear of the boom. This square drive can be operated with either the winch handle or the supplied drill drive adapter. There are stops built into the adjustment mechanism to prevent it from being overextended in either direction. It is recommended to slowly adjust the boom extension when nearing one of these mechanical stops. Using excess force to attempt to get the boom to exceed its normal adjustment range can cause the mechanism to jam. This may need disassembly to be repaired and may void the warranty.



There are load ratings etched into both sides of the telescoping section of the boom. These load ratings are for the crane itself at various extension points. On one side of the boom are the ratings for the horizontal position. On the other side of the boom are the ratings for the plus 45 degree position. These etched ratings do not take into account the amount of cable on the winch drum. Load ratings including the effects of cable on the winch drum are included on two decals, one on each side of the crane. Make sure to use the load ratings that correspond to the boom angle being used.

# **Operating Guidelines**

The **TELE-PRO 500** by OZ Lifting Products LLC® has a maximum operating load rating of 500 lbs. The **TELE-PRO 1200** by OZ Lifting Products LLC® has a maximum operating load rating of 1200 lbs. The **TELE-PRO 2500** by OZ Lifting Products LLC® has a maximum operating load rating of 2500 lbs.

The **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® boom is capable of being adjusted while under load. This adjustment may alter the cranes lifting capacity. Double check the load rating of the crane in every operating position which will be used during the lift to make sure the crane will not be overloaded during the lift.

The **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® is capable of generating forces that are in excess of this maximum load rating, but this should not be attempted.

**NOTE:** It is the responsibility of the user to ensure that the loads being handled are within the operating limits of the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® at all times. Shock loads must be minimized as they can lead to higher forces than the rated capacity of the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC®.

A load rating table is provided on pg.15 as well as on both sides of the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® boom itself. These load ratings represent the load rating of the boom in the horizontal position as well as the 45-degree angle position. These load rating tables are calculated based on both the extension and angle of the crane's boom as well as the amount of cable spooled onto the winch drum. The amount of cable spooled onto the winch will change during a lift (especially long lifts), impacting load capacity.

**NOTE:** It is the responsibility of the user to determine the maximum amount of cable that will be spooled onto the winch at any given time during the lift and size the load to be lifted accordingly. The manual winch that is supplied with the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® has been specifically chosen to match the rating of the crane. The quick-disconnect handle on this winch has also been specifically designed to operate within the load range of the winch. The effort required to operate the winch at the maximum rated capacity will be significant. This is an intentional design feature and not a defect. The increased effort required when nearing rated capacity (at any percentage of drum capacity) is a sign that the load being lifted may be too heavy.

**NOTE:** Check the weight of the load being lifted and reduce the weight if necessary.

**NOTE:** Never attempt to adjust the angle of the boom below the horizontal position while under load. The boom should only be lowered for storage purposes.

This **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® has a main structure made from steel. At no time should the crane itself emit any abnormal noises during use (cable may make some noise as it settles on the drum-this is normal). Any abnormal sounds are cause for removal of load and inspection. There are multiple sources for abnormal noises including, but not limited to:

- If the cable is not spooled neatly, under tension, when load is applied.
- If the crane is severely overloaded.
- If the crane has suffered severe damage from abuse and/or mishandling.

**NOTE:** This list is not exhaustive and does not cover all possibilities.

# **Cleaning & Lubricating the Crane**

The **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® should be periodically cleaned to preserve its appearance and to prevent corrosion. The **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® will last longer and perform better when it is kept clean and lubricated.

**NOTE:** No solvents should be used on any parts of the **TELE-PRO DAVIT CRANE** by OZ Lifting Products LLC® for cleaning or any other purpose.

### **Instructions:**

- **1.** Wipe the surfaces of the crane with a wet cloth. Detergents are not necessary.
- **2.** The steel surfaces should have a light film of oil applied to them to prevent corrosion. **NOTE:** No lubricants of any kind should be applied to the brakes in the winch. If the brake pads get contaminated with oil, they may slip.
- **3.** Remove any excess oil with a clean cloth.
- **4.** Lubricate the bushing in the load sheave with a light coat of grease.
- **5.** Lubricate the shaft bearing surfaces on the winch with a light coat of grease, taking care not to get any oil or grease on the brake pads of the winch.

# **Inspecting the Crane**

In order to maintain quality operation of the product, a regular inspection schedule should be followed by each operator. All inspections should be reported and maintained in a dated record log. These records should be available to all personnel involved with the product and should be made available to OZ Lifting Products LLC® when a warranty issue is in question.

#### **Definitions**

**Designated Person** - The person who is selected or assigned as being competent to perform specific duties.

**Qualified Person** - The person that—by possession of a recognized degree or certificate of professional standing, or through extensive knowledge, training, and experience—has successfully demonstrated they are able to resolve problems relating to the subject matter and work.

**Normal Service** - Service that involves operation with randomly distributed loads within the rated load limit, or uniform loads less than 65% of rated load for not more than 15% of the time.

**Heavy Service** - Service that involves operation within the rated load limit and exceeds normal service.

**Severe Service** - Service that involves normal or heavy service with abnormal operating conditions. This also includes service that involves shock loading.

### **Inspection Classifications**

**Frequent Inspections** - Completed by the operator or designated person. Performed by doing a visual examination and listening for unusual sounds during operation. These inspections are usually performed before each operation, every few hours during operation, and if problems arise.

**Periodic Inspections** - Completed by a designated person. Performed, with more detail than a frequent inspection, by doing visual examinations of internal and external conditions. These inspections are done on the following schedule:

- Normal Service Semi-annually
- Heavy Service Quarterly
- Severe Service Immediately after completion of lift
- Following prolonged storage or if operation issues arise.

**NOTE:** Label crane as "Out of Service" if an inspection deems it damaged or if maintenance is required. Do not remove this label until a qualified person has resolved the issue. Discontinue use of wire rope and equipment if damage or overloading occurs.

### **Important Inspection Notes**

- Brakes require more than audible and visual inspection. Check brakes daily by operating the crane with and without a load and by stopping at various positions to ensure safe operation. If the load coasts or creeps, contact the factory for friction disc replacements.
- Proper inspection may require disassembly of some parts. Contact the OZ Lifting Products LLC® factory before doing so or the applicable warranty may be voided.
- For wire rope inspections, please contact the specific manufacturer of the rope. The inspection provided in the following chart is for a general inspection only and is in no way the complete inspection required.
- Before operation, assure all deficiencies on the inspection chart are resolved and inspections are up to date. Refer to the troubleshooting chart on pg.13 for further assistance.
- Be aware of applicable codes and regulations for crane inspection.
- See specific winch owner's manual for instructions and complete inspection instructions.

# **Inspection Chart**

**NOTE:** Use the following chart to determine what type of inspection is necessary. Frequent Inspection (F) and Periodic Inspection (P).

Location	Check For	F	P
Crane	Damage, cracks, rust, chipping, dents excess wear, or corrosion.	Х	
	Unusual sounds	Х	
	Smooth load movements	Х	П
	Equipment properly lubricated	Х	
	Signs of overloading (cracks, dents, or damage)		Х
	Proper function when operated with a load equal to the load rating		Х
Foundation	Good condition/supports the crane under all conditions	Х	
	Level, no swerving of boom	Х	
	Cracks, corrosion, damage (check by removing crane base from foundation)		Х
Fasteners	Firmly installed	Х	
(including moutning fasteners)	Properly tightened	Х	
	Stripped threads, bent, or damage (check by removing crane from foundation)		Х
Handle	Rotates freely in both directions	Х	

**NOTE:** Please refer to the winch owner's manual for the winch inspection chart.

# Repairs

All repairs must have factory authorization. Contact OZ Lifting Products LLC® to prevent voiding of the two-year limited warranty and potential damage. Perform recommended inspections to identify which parts should be replaced. Only use OZ Lifting Products LLC® replacement parts. To order replacement parts, contact your local OZ Lifting Products LLC® dealer. Please have the serial number, part number and a description available when calling.

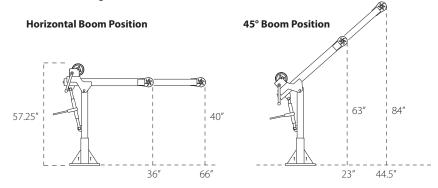
# **Troubleshooting Chart**

Problem	Possible Cause	Correction
Braking distance too long	Discs are worn,damaged, or over lubricated	Replace
	Disc brake ratchet pawl damaged or worn	Replace
Excess wear on gears or bearings	Overloaded	Reduce load
	Improper lubrication	Relubricate
High pitched squeak	Improper lubrication	Relubricate
Grinding noise	Poorly spooled cable, cable diving Into drum	Re-spool cable evenly under tension
	Dirty brakes or gears	Clean
	Broken gears or bearings	Replace
Rattling noise	Loose bolts, screws, fasteners	Tighten
Boom turns on its own	Foundation unlevel or unsecure	Repair
	Mast bent or damaged	Repair
Boom bounces	Overloaded	Reduce load and inspect crane for damage
	Loose mounting bolts	Tighten to correct torque
	Foundation unlevel or unsecure	Repair
	Winch gears worn or damaged	Repair
	Sheave worn or damaged	Repair

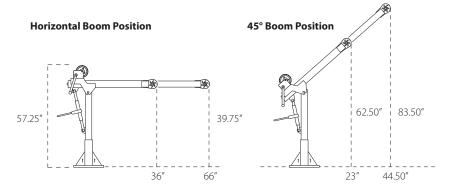
Contact OZ Lifting Products LLC® if disassembly of the crane is required. The warranty will be voided if this is not done.

# **Specification**

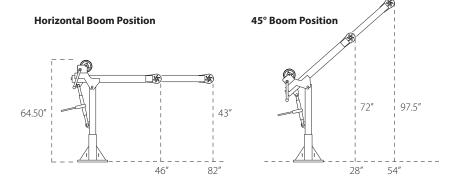
OZTP500DAV Net Weight 111 lbs. (Mast 88 lbs., Boom 23 lbs.)



OZTP1200DAV Net Weight 138 lbs. (Mast 102 lbs., Boom 36 lbs.)



**OZTP2500DAV Net Weight 350 lbs.** (Mast 288 lbs., Boom 62 lbs.)



<sup>\*</sup>Dimensions are for reference only and subject to change without notice.

# **Load Rating**

Boom is infinitely adjustable. For simplicity, ratings have been split into 4 positions.

### **OZTP500DAV LOAD RATINGS - Horizontal Boom Angle**

- Based on 3/16 inch wire/synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 36"	500 lbs.	500 lbs.	500 lbs.
Boom Position 2 at 46"	430 lbs.	430 lbs.	430 lbs.
Boom Position 3 at 56"	350 lbs.	350 lbs.	350 lbs.
Boom Position 4 at 66"	300 lbs.	300 lbs.	300 lbs.

### **OZTP500DAV LOAD RATINGS - 45° Boom Angle**

Based on 3/16 inch wire/synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 23"	500 lbs.	500 lbs.	500 lbs.
Boom Position 2 at 30"	500 lbs.	500 lbs.	500 lbs.
Boom Position 3 at 37"	500 lbs.	500 lbs.	500 lbs.
Boom Position 4 at 44"	450 lbs.	450 lbs.	450 lbs.

### **OZTP1200DAV LOAD RATINGS - Horizontal Boom Angle**

- Based on 3/16 inch wire rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 36"	800 lbs.	800 lbs.	550 lbs.
Boom Position 2 at 46"	800 lbs.	800 lbs.	550 lbs.
Boom Position 3 at 56"	750 lbs.	750 lbs.	550 lbs.
Boom Position 4 at 66"	650 lbs.	650 lbs.	550 lbs.

### **OZTP1200DAV LOAD RATINGS - 45° Boom Angle**

- Based on 3/16 inch wire rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum	
Boom Position 1 at 23"	800 lbs.	800 lbs.	550 lbs.	
Boom Position 2 at 30.25"	800 lbs.	800 lbs.	550 lbs.	
Boom Position 3 at 37.25"	800 lbs.	800 lbs.	550 lbs.	
Boom Position 4 at 44.5"	800 lbs.	800 lbs.	550 lbs.	

### **OZTP1200DAV LOAD RATINGS - Horizontal Boom Angle**

- Based on 1/4 inch wire or 3/16 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum	
Boom Position 1 at 36"	1200 lbs.	875 lbs.	550 lbs.	
Boom Position 2 at 46"	900 lbs.	875 lbs.	550 lbs.	
Boom Position 3 at 56"	750 lbs.	750 lbs.	550 lbs.	
Boom Position 4 at 66"	650 lbs.	650 lbs.	550 lbs.	

#### IMPORTANT!

Load ratings will vary depending on wire or synthetic rope length and diameter.

### **OZTP1200DAV LOAD RATINGS - 45° Boom Angle**

- Based on 1/4 inch wire or 3/16 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 23"	1200 lbs.	875 lbs.	550 lbs.
Boom Position 2 at 30.25"	1200 lbs.	875 lbs.	550 lbs.
Boom Position 3 at 37.25"	1100 lbs.	875 lbs.	550 lbs.
Boom Position 4 at 44.5"	950 lbs.	875 lbs.	550 lbs.

### **OZTP2500DAV LOAD RATINGS - Horizontal Boom Angle**

- Based on 1/4 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 46"	2000 lbs.	2000 lbs.	1550 lbs.
Boom Position 2 at 58"	1900 lbs.	1900 lbs.	1550 lbs.
Boom Position 3 at 70"	1600 lbs.	1600 lbs.	1550 lbs.
Boom Position 4 at 82"	1300 lbs.	1300 lbs.	1300 lbs.

### **OZTP2500DAV LOAD RATINGS - 45° Boom Angle**

- Based on 1/4 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum	
Boom Position 1 at 28"	2000 lbs.	2000 lbs.	1550 lbs.	
Boom Position 2 at 37"	2000 lbs.	2000 lbs.	1550 lbs.	
Boom Position 3 at 45.5"	2000 lbs.	2000 lbs.	1550 lbs.	
Boom Position 4 at 54"	2000 lbs.	2000 lbs.	1550 lbs.	

### **OZTP2500DAV LOAD RATINGS - Horizontal Boom Angle**

- Based on 3/8 inch wire/synthetic rope or 5/16 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 46"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 2 at 58"	1900 lbs.	1900 lbs.	1550 lbs.
Boom Position 3 at 70"	1600 lbs.	1600 lbs.	1550 lbs.
Boom Position 4 at 82"	1300 lbs.	1300 lbs.	1300 lbs.

### **OZTP2500DAV LOAD RATINGS - 45° Boom Angle**

- Based on 3/8 inch wire/synthetic rope or 5/16 inch Ultrex synthetic rope

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Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 28"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 2 at 37"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 3 at 45.5"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 4 at 54"	2000 lbs.	2000 lbs.	1550 lbs.

#### IMPORTANT!

Load ratings will vary depending on wire or synthetic rope length and diameter.





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