

BUCKINGHAM MFG.

PN 355TQ2 – Ladder Lash Straps

Instructions / Warnings

Warning: Do not use this product if you cannot understand and follow the instructions and warnings that come with it and complete all necessary functions.

The Buckingham 355TQ2 Ladder Lash straps are used to lock and stabilize the ladder to the pole. The system consists of two straps (Fig. 1a) that are constructed using 1" webbing with a slip through cam buckle, snap and connection D-ring. The straps connect to the top rung of the ladder top section using a girth hitch loop, wrapped around the pole and connected between the 4th and 5th rung of the bottom section of the ladder using the snaps and D-rings. The straps are stored in the storage bag attached to the ladder top section when not in use (Fig. 1b – 1c).

Note: hardware / material colors may vary from that shown below.



Installation of the 355TQ2 on the Ladder:

1. Place the girth hitch loop of the ladder lash strap under the top rung (left side) of the top section of the ladder (Fig. 2)
2. Pass the snap end, cam buckle, and adjustment end loop through the girth hitch loop (Fig. 3)
3. Pull the remainder of the strap through the girth hitch loop until the loop is tight to the rung (Fig. 4)
4. Repeat steps 1 – 3 for second strap placed on the top rung (right side). Both straps need to be attached to the top rung of the top section of the ladder (Fig. 5)



Installation of the Ladder Mounted Storage Bag on the Ladder:

1. Lay the ladder on the ground with the front side of the ladder facing up (Fig. 6). Place the ladder mounted storage bag under the life line and between the top two rungs of the ladder's top section (Fig. 6) with the flap facing up (Fig. 7). Note: when ladder is set on the pole ready for use, the BUCK logo of the storage bag and the flap (with the hook and loop closure) will face away from the pole.
2. Attach the two upper cover straps (Fig. 1b) around the top rung of the top section of the ladder and tighten so the bag is close to the top rung (Fig. 8).
3. Next adjust the length of the two lower straps (Fig. 1b) and loop them around the next lower rung of the ladder top section, snap the quick connect buckles together and pull on the loose ends of the straps to tighten (Fig. 8 - 9).

Fig. 6

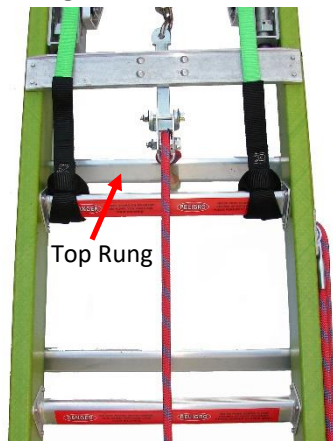


Fig. 7



Fig. 8



Fig. 9



NOTE: Ladder Lash Straps Raised Above Top Rung for Clarity of Bag Position In Fig. 6 – 10

Securing the ladder to the pole:

1. If the straps are stored in the ladder mounted storage bag, remove them from the bag, pass them over the top rung and out the back side of ladder and allow to hang free (Fig. 10).
2. Place the ladder against the pole (Fig. 11).
3. Extend the ladder to the desired height (Fig. 12).

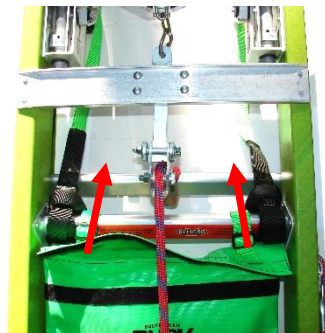


Fig. 10



Fig. 11

Fig. 12



Fig. 13



$A \div 4 = D$ (distance from pole)

Fig. 14



Pole Properly Seated
in V-Rung / V-Bar



Fig. 15

4. Position the bottom of the ladder the appropriate distance from the base of the pole following the ladder manufacturers recommendations (approx. 4:1 ratio, i.e. for every 4 foot of extension the bottom of the ladder needs to be one foot away from the pole ($A \div 4 = D$ [(distance from pole or approx. 75.5°) (Fig. 13)]).
5. Ensure the ladder is properly aligned (vertically) with the pole and the pole is seated in the V-rung / V-bar. (Fig. 14 – 15) Note: Storage bag was removed for clarity
6. Take one of the ladder straps, pass it behind the pole, and connect the bottom of the ladder strap to the opposite side of the ladder between the fourth and fifth rung (Fig. 16 – 20).

Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



7. Take the opposite side ladder strap, pass it behind the pole, and connect the bottom of the ladder strap to the opposite side of the ladder between the fourth and fifth rung (Fig. 21-24). The two straps form an 'X' behind the pole (Fig. 25)

Fig. 21



Fig. 22



Fig. 23



Fig. 24



Fig. 25



8. To tighten the straps, grasp behind the cam buckle with one hand and pull the tail end of the strap through the cam buckle with the other hand (Fig. 26 – 27). Straps must be pulled snug to fully seat the V-rung / V-bar of the ladder against the pole and to prevent the ladder from coming off the pole. Test the ladder after installing the straps by standing on the ground and pulling back on the ladder. If the top of the ladder comes away from the pole, the straps need to be retightened.
9. Excess strapping can be pulled behind the pole and tied together to keep straps off the ground and eliminate a trip hazard (Fig. 28 – 29)

Fig. 26



Fig. 27



Fig. 28



Fig. 29



Note: For added stability use Buckingham Mfg. PN 355BQ1 Ladder Lock Bottom Strap in addition to the 355TQ2 Ladder Lash Straps.

Removal of Ladder Lash Straps:

1. If tied, untie straps from behind pole
2. Loosen the Ladder Lock Straps by compressing the spring levers of the cam buckles (releases the tension on the straps (Fig. 30).
3. Disconnect the snap hook from the D-ring on both straps (Fig. 31).
4. Uncross the straps from the backside of the pole and allow them to hang free (Fig. 32).
5. Lower the ladder to the lowest position (Fig. 32).
6. Remove the ladder from the pole.

Fig. 30



Fig. 31



Fig. 32



Storage of Ladder Lash Straps:

1. Open the ladder mounted storage bag
2. Neatly roll ladder straps and insert them into the storage bag
3. Close storage bag by attaching the closure hook on the flap to the loop on the bag.

Inspection:

Prior to and after each use, carefully inspect each component of this system. Supplement these inspections with monthly inspections even if the product has not been used. The inspection should include, but not be limited to the following:

Webbing: Ensure webbing is free from abrasions, broken fibers, burns, charring, chemical or physical exposures, cracks, cuts, discoloration, excessive swelling, excessive wear, kinks, loose stitching.

Stitching: Ensure there is no loose stitching, broken / cut / burned threads.

D-ring, Snap, and Cam Adjuster: Ensure components have no cracks, distortion and /or excessive nicks, corrosion, etc. that may be detrimental to its intended function. The snap and cam adjuster may be lubricated with a light weight lubricant such as WD-40™.

Ladder: Follow the ladder manufacturer's instructions

If any evidence of wear or deterioration as outlined is observed, immediately cease use, destroy the product, and replace it with new equipment. Should any unusual conditions not outlined above be observed or you have reasonable doubt about a particular condition, remove the equipment from service and notify your Supervisor, Safety Director, or contact Buckingham Mfg. Co. for clarification. Failure to carefully and completely inspect your equipment could result in serious injury or death.

Warnings:

- Completely read, understand, and follow all instructions, warnings, and guidelines pertaining to this and all associated equipment before use. Equipment must only be used as personal protection equipment. Failure to do so could result in your serious injury or death. Should questions arise concerning the proper use or condition of your equipment, contact Buckingham Manufacturing Co. at 1-800-937-2825.
- Selection of products should be such that they aid the worker in the performance of their job and particular work situation.
- Know the job and the regulations governing performance requirements and select the proper equipment.
- This equipment is intended for use by properly trained professionals only.
- In order for the system to function as intended, both straps must be properly connected and tightened. Never rely on just one strap to hold the ladder in position.
- Always check the condition of the pole prior to connecting this system. Never connect this ladder system to a pole that shows signs of damage, rot, loose soil, or any other questionable conditions.
- The strap is not intended to compensate for poor or uneven footing or improper ladder angle. Loose or soft footing could cause the securement straps to loosen if the ladder settles. To aid in preventing this potential, a recommendation such as placing on a flat firm surface such as an outrigger pad to distribute the weight could be used. In any case, all ladder manufacturers recommendations, cautions and warnings as well as applicable OSHA regulations must be followed.
- Always maintain three points of contact when ascending or descending the ladder.

NOTE: This product cannot be returned unless it is in new / unused condition.

STATEMENT of OBSOLESCENCE:

Precise "useful life expectancy" or "shelf life" for this product is not specified, as the degree of use, conditions of use, and the degree of care and storage determines useful life. All users maintain responsibility to select proper equipment for the job, be properly trained in its use, and ensure all personnel support equipment passes inspection before each use. Upon evidence of defects, damage or deterioration, all equipment shall be removed from service immediately and tagged or marked as unusable or destroyed. Additionally, all equipment shall be inspected on a regular basis not to exceed one year by a Competent Person, as defined by OSHA/ANSI, to verify that the equipment is safe for use. In the event of any question or concern regarding the condition of such equipment, users shall remove the equipment from service for further inspection. All users must comply with OSHA/ANSI/ASTM standards prior to and in using such equipment. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

INTERNATIONAL USERS:

Notwithstanding the above, please know that certain international jurisdictions require manufacturers of equipment to provide customers with a maximum useful lifespan (sometimes referred to as a "Statement of Obsolescence"). To the extent required, Buckingham personal protective equipment manufactured from synthetic fiber materials including but not limited to items such as webbing and/or rope are subject to a maximum useful lifespan of ten (10) years from the date of manufacture. As stated above proper usage, storage, maintenance, and care impacts the useful lifespan of equipment. Extreme circumstances may require that product must be retired after only one use. This statement is made in conformance and compliance with BS EN 365:2004. International users must ensure that product inspections are completed by Competent Persons as defined by international standards including but not limited to British Standard ("BS"). If equipment fails any inspections, it must be immediately withdrawn from service and destroyed. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

OUR GUARANTEE:

We guarantee the equipment we manufacture to be free from defects in material and workmanship. We will repair any equipment deemed to be defective which is returned to us by the original purchaser. However, this guarantee is void if any product is changed or altered in any way, or if the product is used in a manner other than for which it is intended. This express guarantee supersedes all other expressed or implied guarantees, obligations or liabilities. **THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND AS SUCH, ALL IMPLIED WARRANTIES ARE SPECIFICALLY DISCLAIMED.**

LIMITATION ON LIABILITY:

IN NO EVENT WILL BUCKINGHAM OR BUYER BE LIABLE TO THE OTHER FOR LOST REVENUES, LOST PROFITS OR ANY OTHER INDIRECT, CONSEQUENTIAL, SPECIAL OR PUNITIVE LOSSES OR DAMAGES, HOWEVER CAUSED, WHETHER IN ACTION FOR BREACH OF CONTRACT, STRICT LIABILITY, TORT, OR OTHERWISE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH LOSSES OR DAMAGES. IN NO EVENT WILL BUCKINGHAM'S LIABILITY EXCEED THE TOTAL AMOUNT PAID BY BUYER TO BUCKINGHAM FOR THE PRODUCT OR EQUIPMENT GIVING RISE TO SUCH CLAIM(S).

PLEASE SEE OTHER TERMS AND CONDITIONS RELATING TO THIS PRODUCT AT <https://buckinghammfg.com/terms-conditions/>

REGISTRATION:

Before use of the product, ensure to register and confirm the product at www.buckinghammfg.com/register.

Buckingham Mfg.

Binghamton, NY

www.buckinghammfg.com

1-800-937-2825

Information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg. prior to the revision date of this document.