

# BUCKINGHAM MFG.

## INSTRUCTIONS AND WARNINGS

### PORT-A-WRAP (MODEL NUMBERS. 601M, 601MN, 601, 601N, 601L, 601LN, 601X and 601XN)

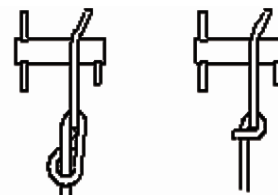
Warning: Do not use this product if you cannot understand and follow the instructions and warnings that come with it and complete all necessary functions.

- Note:**
- P/N 601M and 601MN (Mini Steel Port-A-Wraps): to be used with up to 1/2" diameter rope. Working Load Limit 1400 lbs. (5 to 1 safety factor)
  - P/N 601 and 601N (Small Steel Port-A-Wraps): to be used with up to 5/8" diameter rope. Working Load Limit 2400 lbs. (5 to 1 safety factor)
  - P/N 601L and 601LN (Large Steel Port-A-Wraps): to be used with up to 3/4" diameter rope. Working Load Limit 3600 lbs. (5 to 1 safety factor)
  - P/N 601X and 601XN (Extra Large Steel Port-A-Wraps): to be used with up to 7/8" diameter rope. Working Load Limit 12000 lbs. (5 to 1 safety factor)

Know the working loads and limitations of your rope and equipment and as a minimum ensure, Port-A-Wraps only be used with compatible ropes based on factors including but not limited to rope: (material, type, diameter, strength, age and condition). The working load limit of the system (sling, Port-A-Wrap, rope, pulley, carabiners and any other components used) must be based off of the component with the lowest working load limit used in of the system. Working load limit is defined as the maximum load that may be routinely applied to a component or an assembly when used in the manner outlined by these Instructions/Warnings.

### INSTRUCTIONS

1. Attach sling to the Port-A-Wrap with a girth hitch or clevis shackle.
2. Secure the Port-A-Wrap to tree using either a Timber hitch or a Stillson (cow) hitch. Keep the throat of the sling as short as possible. The Stillson hitch has less of a tendency to move.



Figures 1 through 7 illustrate the methods used to tie each hitch

#### Timber Hitch

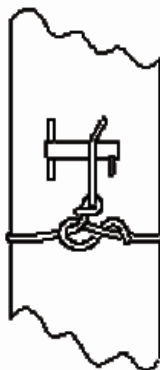


Figure 1

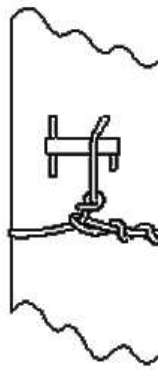


Figure 2

Use at least 5 tucks spread around circumference

#### Stillson Hitch

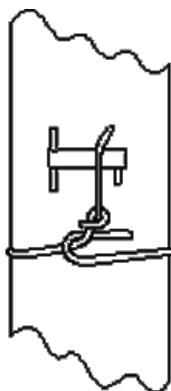


Figure 3

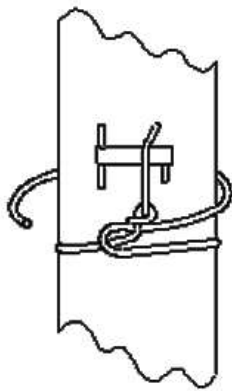


Figure 4

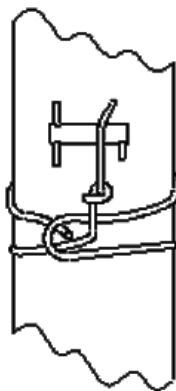


Figure 5

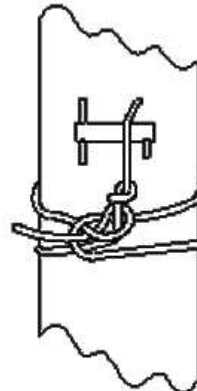


Figure 6

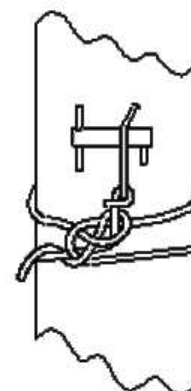
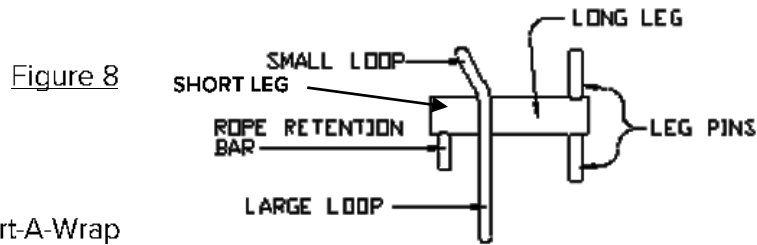


Figure 7

Figure 8 details parts of the Port-A-Wrap that are referenced in the following use instructions.



- To use the Port-A-Wrap begin by passing a loop (bight) of rope through the "small loop" as shown in Figure 9.

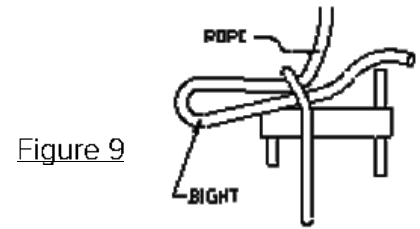


Figure 9

- Continue by looping the rope around the "short leg" of the Port-A-Wrap, ensuring the rope is captured between the "rope retention bar" and the "large loop". Pass the rope back through the "small loop" (Figure 10).

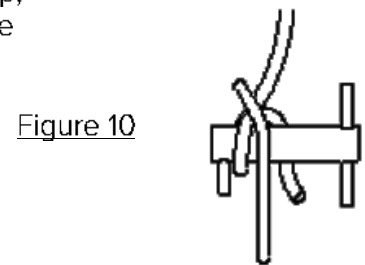


Figure 10

- Wrap the rope around the "long leg" of the Port-A-Wrap using a minimum of 1½ wraps. The number of additional wraps will be determined by the weight of the piece being lowered (3 wraps shown in Figure 11).

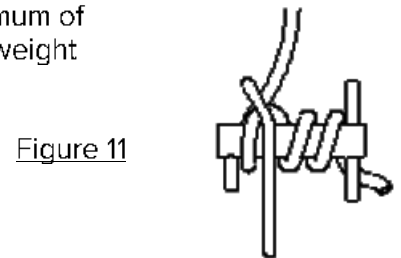


Figure 11

- To hard-lock off, take one or two extra wraps around the "long leg" of the Port-A-Wrap and form a half-hitch around the top "leg pin" and then the bottom "leg pin". (Figure 12).

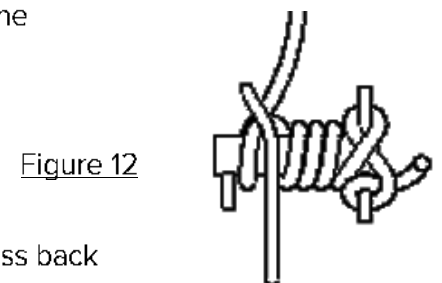
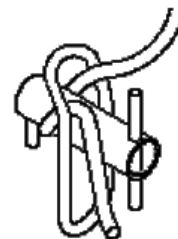


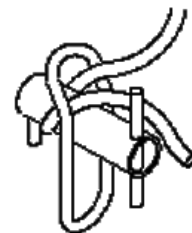
Figure 12

When working with light loads, a single wrap on the "short leg" may be used. In this case, the running end of the rigging line should cross back over the top of the

Port-a-wrap and exit on the same side as the standing part. Failure to do so could result in the rigging line binding between the "small loop" and the "body". (Figures 12A and 12B) [The direction of the running end can be changed by reversing the bight of rigging line when threading the Port-A-Wrap



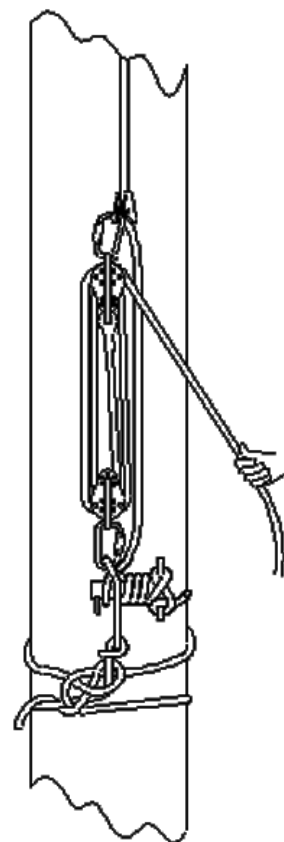
Incorrect  
Figure 12A



Correct  
Figure 12B

7. The Port-a-wrap may be used to either lower or lift a limb. Figure 13 depicts a typical method for rigging a block and tackle with the Port-A-Wrap to lift a limb. Note unit is hard locked. Shown are P/N 601BT block & tackle, P/N 5004A ascender and P/N 5555SA carabiners.

Figure 13

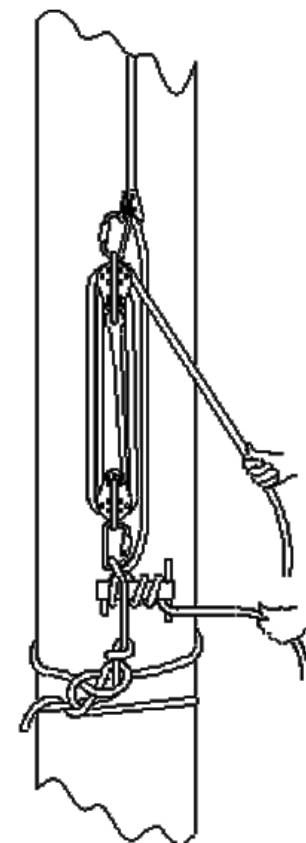


8. To lift up on the limb, simply unlock rope from the Port-A-Wrap and pull rope from block & tackle down, taking up slack on rigging line as you do so (Figure 14).

Figure 14

9. When no more line can be passed through the block and tackle, hard lock the Port-A-Wrap, release rope from block cam and slide ascender back up the rigging line using a fiberglass pole or branch. Repeat step 8 until the limb is in the desired position.

10. To remove the block and tackle from the rigging line: Hard lock the Port-A-Wrap. Release rope from block cam. Disconnect carabiner from the Port-a-wrap and remove the ascender from the rigging line.



## **WARNING**

- Always keep hands and debris away from the Port-A-Wrap when lowering limbs.
- Do not stand directly under the limb being lowered or under work being performed above.
- Minimize shock loads on the Port-A-Wrap and all other rigging equipment.
- To avoid damage to the unit, ***minimize log free fall distance***.
- Connecting devices must be destroyed if subjected to impact loading.
- Always wear gloves when using the Port-A-Wrap.
- Stand a safe distance from the Port-A-Wrap during operation.
- When limb or other piece is being lowered, let out enough rope to ensure the piece cannot swing back and contact the climber's legs or feet.
- Always maintain tension on the line used and control of the descent of the limb being lowered as a sudden release will allow an uncontrolled drop of the load.
- This equipment is intended for use by properly trained professionals only.
- Only Buckingham Mfg. Co. or those people authorized in writing by Buckingham Mfg. Co. may make repairs / modifications to this equipment.
- Be certain this equipment is suitable for the intended use and work environment. If suitability for intended use is in doubt, consult a safety engineer or contact Buckingham Mfg. before using.
- Always check that connecting links are completely closed and securely locked before each use.
- Before each use, check that your equipment is free of burns, cuts, abrasions, kinks, knots, broken strands and excessive wear. Remove from service, destroy and discard equipment if it does not pass this inspection and replace immediately.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.
- Employer - instruct employee as to proper use and warnings before use of equipment.
- Read, understand and follow all instructions and cautions attached to and/or packed with product before using this equipment.

**NOTE:** Ensure proper size of product before use. This product can not 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.**

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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](http://www.buckinghammfg.com/register).

## **BUCKINGHAM MFG. INC.**

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