BUCKINGHAM MFG.

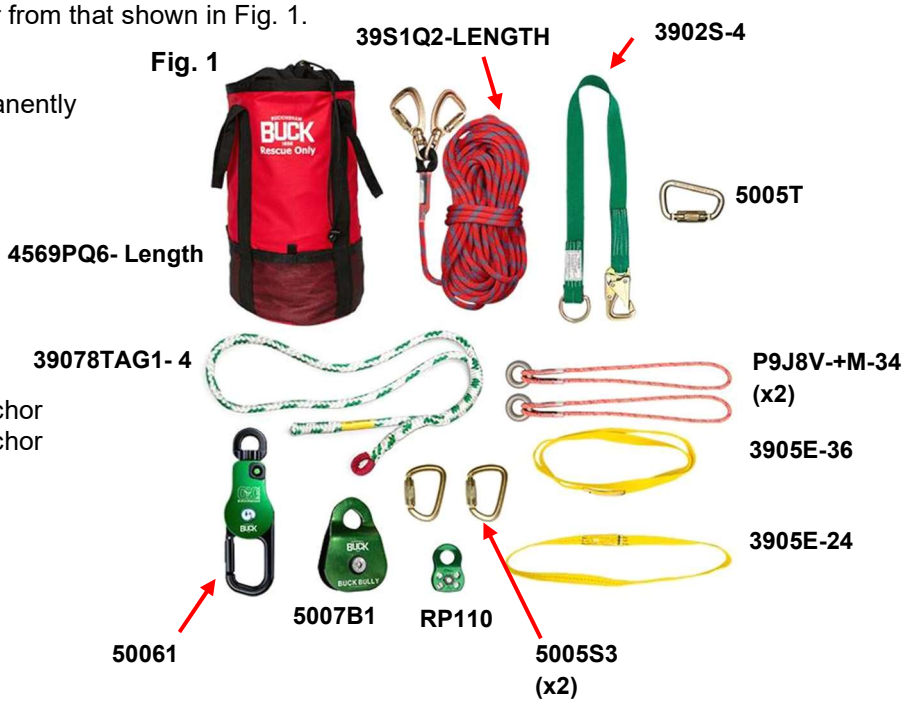
P/N 108Q8 Rescue System with OX Block
Instructions / Warnings

Read carefully, understand, and heed these and all included instructions, warnings, and cautions before using this equipment. Failure to do so could result in serious injury or death.

Buckingham's P/N 108Q8 has been designed to provide a means to rescue a fellow worker from an elevated height. This system and any of its components must not be used for any other purpose.
The P/N 108Q8 Rescue System contains the following components (Fig.1)
Note: Hardware and components may differ from that shown in Fig. 1.

1 – 39S1Q2-Length Rescue Rope
(with attached swivel carabiners permanently attached to rescue rope as shown)
1 – 5005T Steel Carabiners
1 – RP110 Slide Pulley
1 – 5007B1 Buck Bully
2 – P9J8V-+M-34 Prusik with Ring
1 – 50061 OX Block
1 – 39078TAG1-4 Adjustable Anchor Sling
2 – 5005S3 Steel Carabiners
1 – 3902S-4 Temporary Anchor Strap
1 – 3905E-24 Endless Loop Temporary Anchor
1 – 3905E-36 Endless Loop Temporary Anchor
1 – 4569PQ6-Length Rescue Bag

Fig. 1



RIGGING THE 108Q8 RESCUE SYSTEM

Prior to use, the 108Q8 Rescue System must be properly rigged as follows:

1. Attach 5007B1 Buck Bully to the Rescue Rope and attach the 5005T Carabiner to eye of the 5007B1 Buck Bully (Fig. 2 – 5)
2. Attach the 5005T Carabiner attached to the 5007B1 BUCK BULLY Pulley to the D-ring of the 3902S-4 Sling (Fig. 5)
3. Attach RP110 Pulley to Rescue Rope below 5007B1 BUCK BULLY Pulley (Fig. 6 - 9)
4. Attach one of the permanently attached Swivel Carabiners to the eye of the RP110 Pulley (Fig. 9)

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

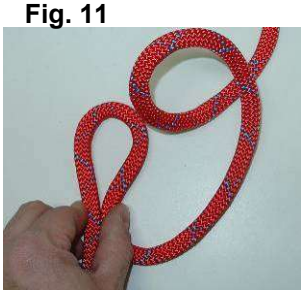
Fig. 9

5. Tie a slip knot in the Rescue Rope below the RP110 pulley as shown in Fig. 10 – 13.
   Note: Use of a knot other than a slip knot as being illustrated, may not pull out and will prevent the Rescue System from properly functioning (i.e. the knot will jam in the pulley and not allow the victim to be lowered)
6. See Fig. 14 for properly rigged Rescue System

Fig. 10

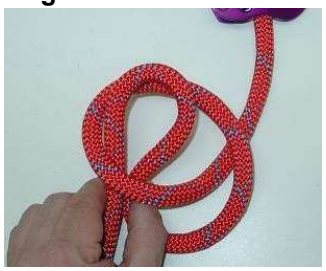
a.) Form Loop

Fig. 11



b.) Form 2nd loop below 1st loop

Fig. 12



c.) Insert 2nd loop through 1st loop

Fig. 13

d.) Pull tight

Fig. 14

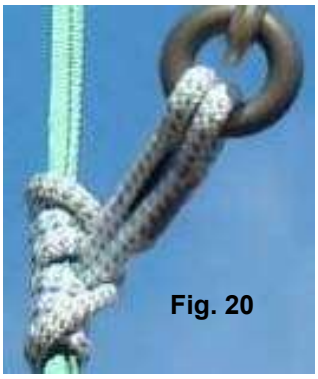
Fig. 15

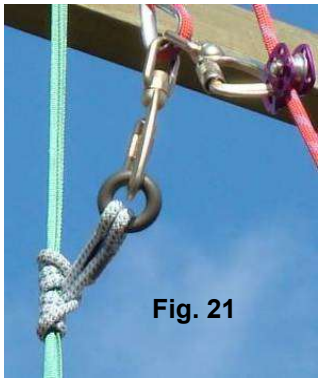
Fig. 16

Fig. 17

HOW TO PERFORM A GROUND BASED RESCUE

1. When a rescue situation is identified on the structure, the rescuer on the structure calls for the Rescue Kit.
2. Worker on the ground attaches the pre-rigged sling and rescue line to a hand line and raises it to rescuer (Fig. 15)
3. Rescuer wraps temporary anchor strap around suitable anchor above victim and attaches tie back snap back to webbing (Fig. 16) or connects snap directly to D-Ring (Fig. 17).
4. Once temporary anchor strap is secured, attach free carabiner on rescue line to rescue loop below red loop of victim's lanyard if so equipped (Fig. 18 - 19). If there is no rescue loop, use included P9J8V-+M-34 prusik, wrap around victim's lanyard four times (Fig. 20) and connect free carabiner attached to the rescue rope to the ring on the prusik (Fig 21).





5. Worker on the ground attaches the 3905E endless loop temporary anchor or the 39078TAG1-4 anchor sling to a suitable anchor point on the ground and then attaches the 50061 OX Block to the temporary anchor strap using the 5005S3 steel carabiner (Fig. 22) Note: To lower the victim away from the structure, the anchor point needs to be away from the structure.
6. Install the rescue line into the OX Block by opening the face plate of the OX Block and insert the rescue line into OX block with load side on the same side as the friction bar (Fig. 23), then close faceplate of OX Block, ensuring it closes and latches properly (Fig. 24).
7. Take one wrap (two clicks) of the load side of the rescue line around the friction bar. On average, one wrap on the friction bar will reduce haul line tension by a factor of 4:1 (Fig. 25 – 27)

Fig. 22

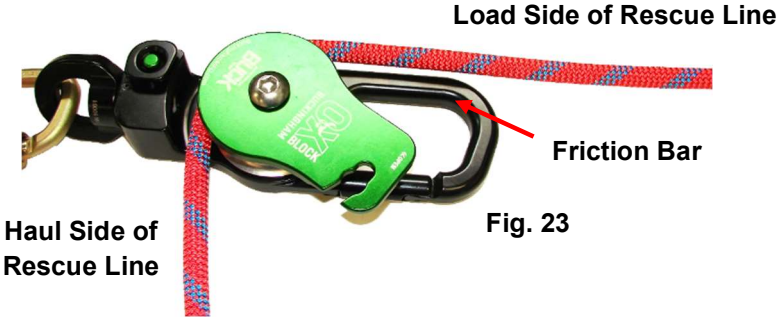


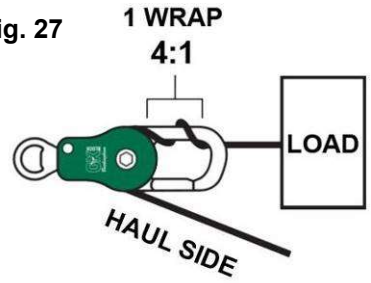
Fig. 23

Fig. 24

Fig. 25

Fig. 26

Fig. 27



8. Install the P9J8V-+M-34 progress capture prusik onto the rescue line between the victim and the OX Block (on the load side of the line) by wrapping three times around the rescue line and then connecting the aluminum ring of the prusik onto the friction bar (Fig. 28 – 30).

Fig. 28

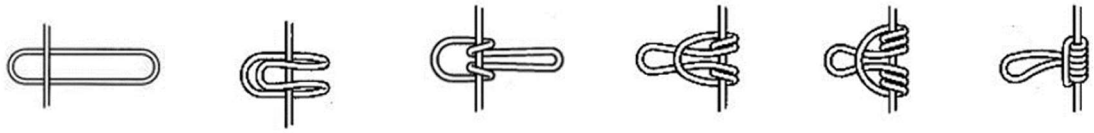


Fig. 29

Fig. 30

9. Adjust the progress capture prusik up close to the OX Block and connect the aluminum ring to the friction bar (Fig. 31 – 32).

Fig. 31

Fig. 32

10. Take the slack out of the system by simultaneously pulling the load and haul lines through the OX Block (Fig. 33).

Fig. 33

11. Reset the prusik knot by pushing the prusik away from the OX Block while pulling on the haul line until the prusik knot tensions(Fig. 34).

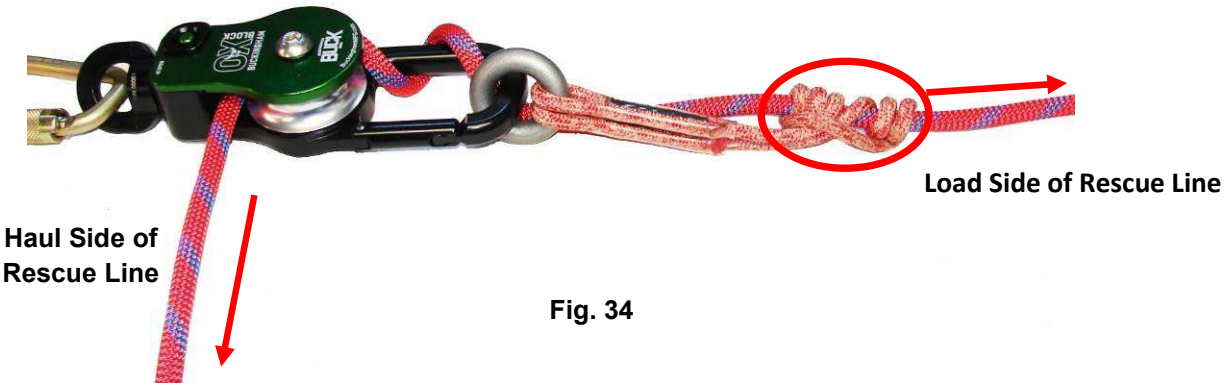


Fig. 34

12. Worker on the ground removes the victim's weight from the shock absorbing lanyard by pulling down on the rescue line. (Fig. 35)
13. Once the victim's weight is off the shock absorbing lanyard the rescuer on the structure can disconnect the victim's lanyard (Fig. 36 - 37). Note: **Ensure** the victim is attached to the rescue rope (step 4 above) prior to disconnecting the lanyard.
14. Once disconnected, the worker on the ground will use the 50061Ox Block to control the descent and lower the victim safely to the ground. Note: the speed of descent is controlled with the second hand on the rope (Fig. 38).

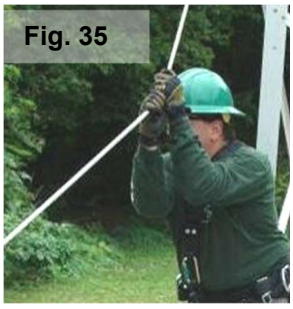


Fig. 35


Fig. 36


Fig. 37

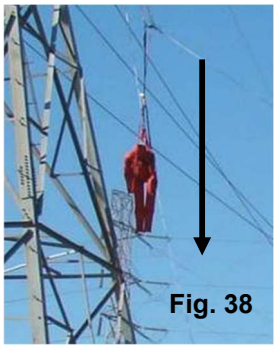


Fig. 38

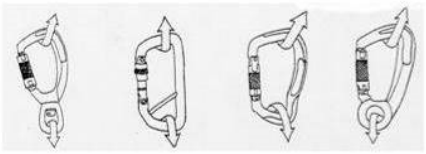
WARNINGS

- Read understand and follow all instructions and warnings attached and/or packed with this product before use.
- This equipment is intended for use by properly trained professionals only.
- Fall protection equipment, (i.e. fall arrest, work positioning belts, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user as assurance cannot be granted that a used product meets criteria of applicable standards and is safe for use to a subsequent user.
- Anchor points must support a minimum of 5000 lbf. per attached worker and be independent of worker support.
- Avoid rubbing of unit components against abrasive surfaces and sharp edges.
- Use this product only in combination with compatible equipment.
- Equipment subjected to impact loading must be immediately removed from service, destroyed and discarded.
- Always visually check that the snap hook / carabiner freely engages the anchor point and the keeper / gate is completely closed. Never rely on the feel or sound of a snap hook / carabiner engaging.
- Be certain the snap hook / carabiner is positioned so that its keeper / gate is never load bearing.

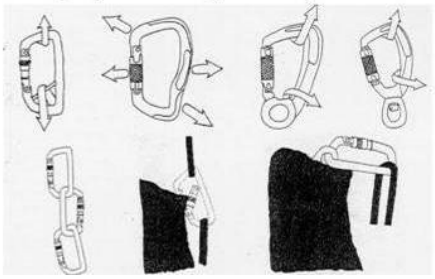
- Ensure loads applied to carabiners are directed in the proper orientation. Proper and improper loading techniques are shown below in Fig. 39.
- Never disable the locking mechanism on the snap hook / carabiner, punch holes in or alter a connecting device or any part of this system in any way.
- Do not let any part of this system come into contact with any chemicals, corrosive materials, acids or basic solvents.
- Wearing gloves while using this product is highly recommended.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.
- Employer - instruct employees as to proper use, warnings and cautions before use of this equipment.

Fig. 39

Proper Loading Techniques



Improper Loading Techniques



Maintenance

- Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. Clean equipment with water and mild soap and allow to dry thoroughly without using excessive heat, lubricate as necessary.
- Apart from visual examination of product before and after each use, it should be inspected at least twice a year by an authorized person.
- LUBRICATE lock mechanism and keeper / gate on both sides of connector AT LEAST WEEKLY OR AS OFTEN AS REQUIRED to maintain smooth operation (no binding) with light weight lubricant such as BuckLube, WD-40® ,Etc.

INSPECTION

Prior to and after each use, carefully inspect each component. It is also recommended all components be removed from the storage bag and as a minimum inspected every six months. The inspection should include, but not be limited to the following:

OX Block

Inspect to ensure:

- There are no cracks, distortion, nicks or burrs.
- The side plate rotates normally.
- The locking button operates properly and is not impaired by dirt, ice, corrosion, etc.
- Swivel top rotates freely and has no excessive vertical movement.
- Smooth rotation of the sheave.
- Proper operation of the gate on the friction bar.
- Proper operation of device.

Note: Refer to these as well as the separately included manufacturer's instructions / Warnings for this device.

Anchor Straps

- Inspect to ensure that unit is free of burns, cuts, abrasions, kinks, knots, broken strands, chemical or physical exposures discoloration, swelling or excessive wear and D-rings and connector are not distorted or cracked.
- Inspect stitching to ensure there is no excessive wear, abrasions, cut, broken, missing or unraveling thread or broken fibers.

Rope

- Inspect the entire length of rope to ensure there are no cuts, kinks, abrasions burns, broken fibers, chemical or

physical exposures, excessive wear, discoloration, swelling, or herniated rope (core popping through cover).

- Inspect stitched eyes to ensure there is no excessive wear, abrasions, cut, broken, missing or unraveling thread or broken fibers and that shrink tube and thimbles are properly in place.

Carabiners / Snaphooks

- Ensure locking device and or keeper / gate operate freely and smoothly.
- Inspect to ensure there are no cracks, distortion, corrosion or nicks.

Pulleys

- Ensure sheave rotates freely.
- Inspect to ensure there are no cracks, distortion, corrosion or nicks.

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.

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