

FRONTLINE®

FALL PROTECTION

QUADPOD CONFINED SPACE SYSTEM

PATRIOT LINE

INSTRUCTION MANUAL



THE INSTRUCTIONS APPLIES TO THE FOLLOWING MODELS:

QAN75-US.



BKLFL 05

WARNING

You must read and fully understand all instructions, or have all instructions explained to you, before attempting to use this equipment. Equipment must not be installed, operated or inspected by anyone who does not understand this Guide. Failure to observe these instructions could result in serious injury or death. Careless or improper use of this equipment can result in serious injury or death. Training and instruction review should be repeated at regular intervals. If you have any questions regarding these instructions or need additional copies, contact Frontline Fall Protection at: www.FrontlineFall.com or info@FrontlineFall.com

IMPORTANT: THESE INSTRUCTIONS SHOULD BE KEPT WITH THE DEVICE AT ALL TIMES.

Description:

Frontline Quadpods are designed to be used principally with Frontline winches and SRLs. Quadpods provide a convenient, portable attachment point which can be moved from place to place, as needed. The quadpod’s legs can be adjusted to accommodate unevenness of footing within reasonable limits.

Portable Base - The base is made of aluminum and steel and has four height adjustable legs to compensate for uneven terrain. The legs fold for easy transport and storage.

Boom - The boom is made of steel and has a cylinder on one end that attaches to the shaft (11) of the portable legs. The opposite end of the Boom has two pulleys (8) with a locking pin (9) to keep the cable from coming off the pulleys. There are 2 brackets (5 and 7) for attachment of Frontline fall protection and recovery systems and winches. The boom rotates 360 degrees and locks at the required position using the screw handle (12).

Care should be taken to ensure that all equipment will be clear of electrical hazards and that proper ventilation has been provided in the work area before the worker descends into the confined space. All users must wear a full-body harness that complies with OSHA, so that an injured worker can be winched up and retrieved through an opening without having another person enter the confined workspace.

Personnel using the confined space safety system and personnel that may be required to perform a rescue operation must be instructed in the correct use of the system. All operators must read and understand all instructions pertaining to the use of the system and must be trained in its proper use. Refer to, and follow all federal, state, and local standards/regulations that pertain to this type of equipment.

Specifications:

Model Number	QAN75-US
Minimum Breaking Strength (MBS)	5000 lbs.
Working load limit	350 lbs.*
Head Room	91"
Overall Height	94"
Distance between feet	54"
Reach	26"
Angle of rotation of Boom	360°
Individual leg adjustment increments	infinite
Size for transport and storage: Base Davit Boom	21" x 60" 17" x 62"
Weight: Base Davit Boom	75 lbs. 41 lbs.
Standards Compliance	OSHA, ANSI Z359.1, Z359.4, Z359.18

*Note: ANSI Z359 only applies to workers withing the capacity range of 130-310 lbs.

Training:

From OSHA 1910.146 (see The Federal Register for the full text)

(g) Training.

(1) The employer shall provide training so that all employees whose work is regulated by this section acquire the understanding, knowledge, and skills necessary for the safe performance of the duties assigned under this section.

(2) Training shall be provided to each affected employee:

(i) Before the employee is first assigned duties under this section;

(ii) Before there is a change in assigned duties;

(iii) Whenever there is a change in permit space operations that presents a hazard about which an employee has not previously been trained;

(iv) Whenever the employer has reason to believe either that there are deviations from the permit space entry procedures required by paragraph (d)(3) of this section or that there are inadequacies in the employee's knowledge or use of these procedures.

(3) The training shall establish employee proficiency in the duties required by this section and shall introduce new or revised procedures, as necessary, for compliance with this section.

(4) The employer shall certify that the training required by paragraphs (g)(1) through (g)(3) of this section has been accomplished. The certification shall contain each employee's name, the signatures or initials of the trainers, and the dates of training. The certification shall be available for inspection by employees and their authorized representatives.

Installation:

All individuals who may use or be required to use the quadpod **MUST** be instructed on how to use it correctly. They **MUST** read, understand, and follow all instructions and warnings stated on the quadpod or contained in or attached to the quadpod. A review of the proper procedure should be made before each use.

Installation & Assembly Procedure

1. Position quadpod portable base (1) alongside manhole or other opening (quadpod will stand in collapsed position).
2. Open the base section (2) so that legs are spread apart as far as possible.
3. Place boom (3) on top of base section. Boom should rotate 360 degrees, tighten handle to lock boom in position.
4. Adjust height of each leg to compensate for uneven terrain. Rotate the screw adjuster handle (10) up or down until quadpod is level.

Mounting 3-way SRL to Quadpod:

The 3-way SRL is furnished with a mounting bracket and locking pins for attachment to a Frontline Quadpod/Davit. The device can be mounted to either of the mounting positions on the quadpod/davit boom; position the device on the boom's mounting block and align the mounting holes on the bracket and block. Secure device with locking pins. Check that pin bearings are completely through bracket and are fully extended. Insert locking clips in holes at end of locking pins. Extend cable out of housing, remove cable retaining pin at end of boom, place cable over pulley sheave and reinsert pin. Attach locking swivel snaphook at the end of the SRLs cable to the back D-ring of appropriate full-body harness.

Inspection: BEFORE EACH USE

All equipment must be inspected before each use; if bent, damaged, if parts have been substituted or if operation is questionable in any way, **DO NOT USE**. Contact Frontline for reconditioning or repair information.

Inspect work area:

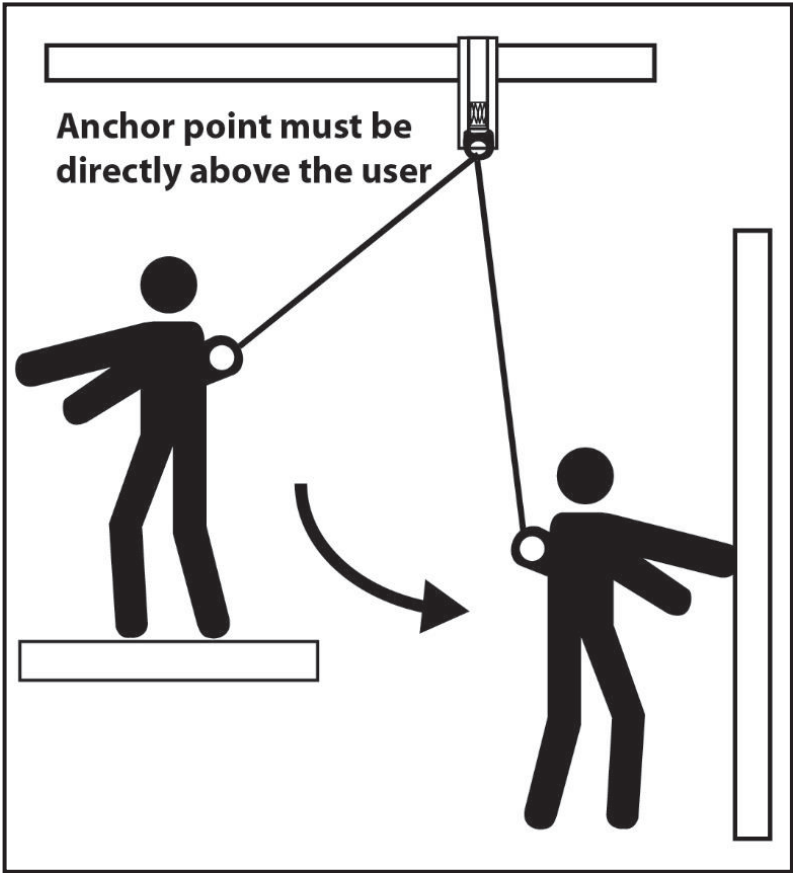
Inspect and clear the vicinity around the work area of debris and other materials that could cause injuries or interfere with the operation of the device.

Warnings:

- **Employer:** Instruct employee as to proper use and warning before use of this equipment.
- Designed only to raise or lower one worker of not more than 350 lbs. Or equipment of not more than 600 lbs. **DO NOT** exceed maximum recommended working load.
- **Read, understand and follow** all instructions and warnings provided with this unit.
- For use by properly trained personnel only.
- **ALWAYS** use the buddy system (two workers) while operating.
- **ENSURE** that the quadpod is positioned on a hard, stable surface before use.
- To ensure compatibility, use only Frontline components.
- Inspect before use. If any part or component shows damage or excessive wear, or does not function properly, the entire unit should be removed from service. **DO NOT USE IF** The device appears to be damaged.
- All occupational protective equipment must be inspected and thoroughly tested before each use.
- **DO NOT** attempt to adjust, repair or modify Frontline Quadpod; for prompt repair or reconditioning, contact Frontline.
- **DO NOT** use for other than intended purpose.
- **NEVER** work above the anchor point.
- **ALWAYS** work directly under the anchor point. Worker must be vertically in line with device to avoid swing-fall injuries (pendulum effect).

Swing Fall Hazard

Work directly under your anchorage whenever possible. If a swing fall can occur, ensure that there are no hazards in the swing fall path. Total fall distance is greater in a swing fall than in a vertical fall. Ensure that you account for the added distance when calculating Minimum Required Fall Space.



Operating Instructions:

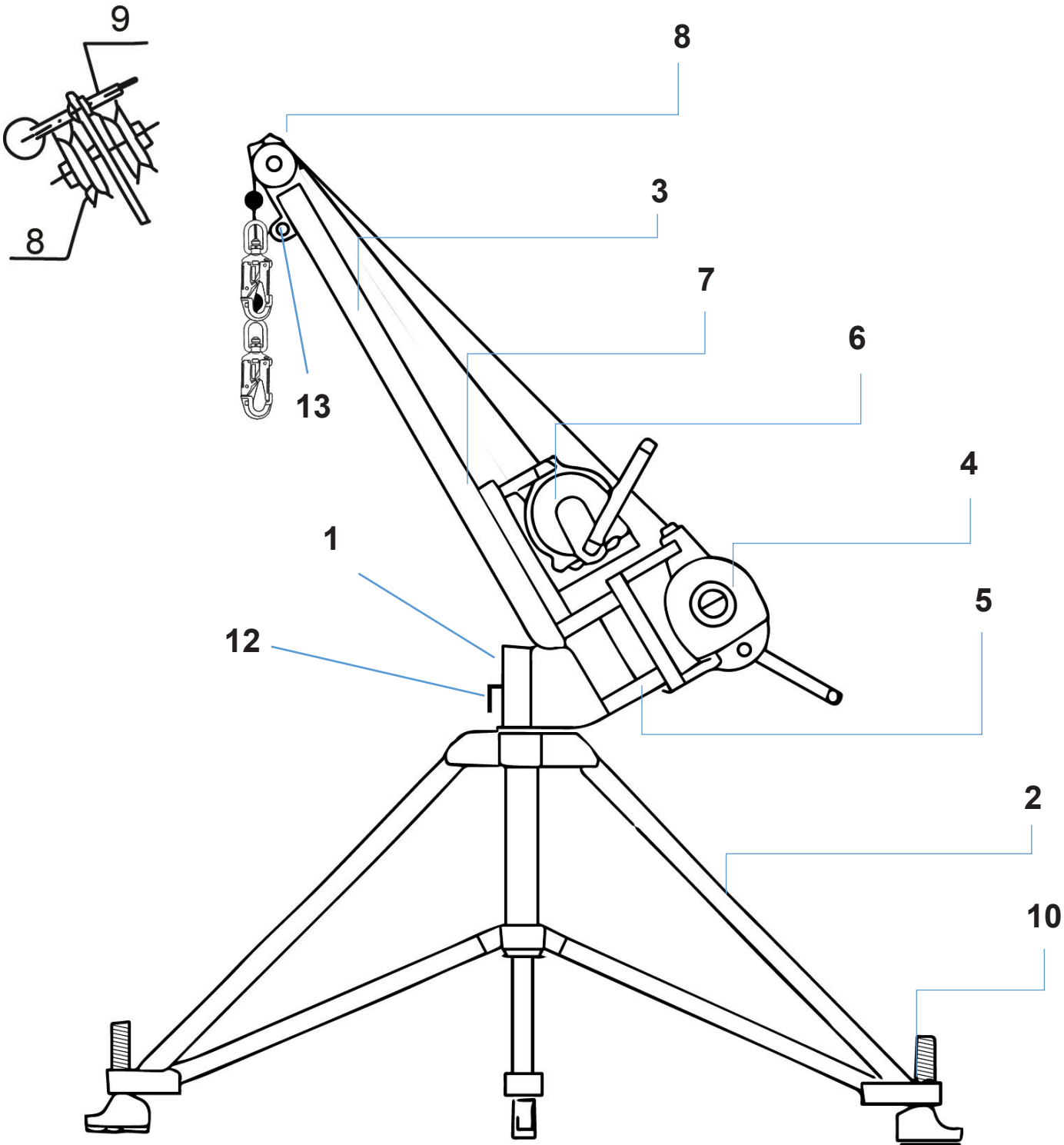
1. Mount Sentry winch or Sentry fall arrest/retrieval device (4) to bracket (5) on top of boom using locking pins, pull or winch cable from the housing of the device and put through pulley (8) at top of davit boom.
2. If using a secondary winch (6), Mount to accessory mounting bracket (7) on top of boom, pull out winch cable from the housing of the device and put through pulley (8) at top of davit boom.
3. If you are using a hanging self-retracting lifeline (SRL), connect the bracket to the accessory mounting plate (13) using a locking carabineer.
4. Remove manhole cover, **being sure to avoid opening**.
5. Position quadpod with boom over opening.
6. Extract cable from fall protection unit and attach snaphook to fall arrest D-ring on worker's harness.
7. When work is completed, reverse instructions to cover manhole, telescope quadpod and remove from work location.

Note:

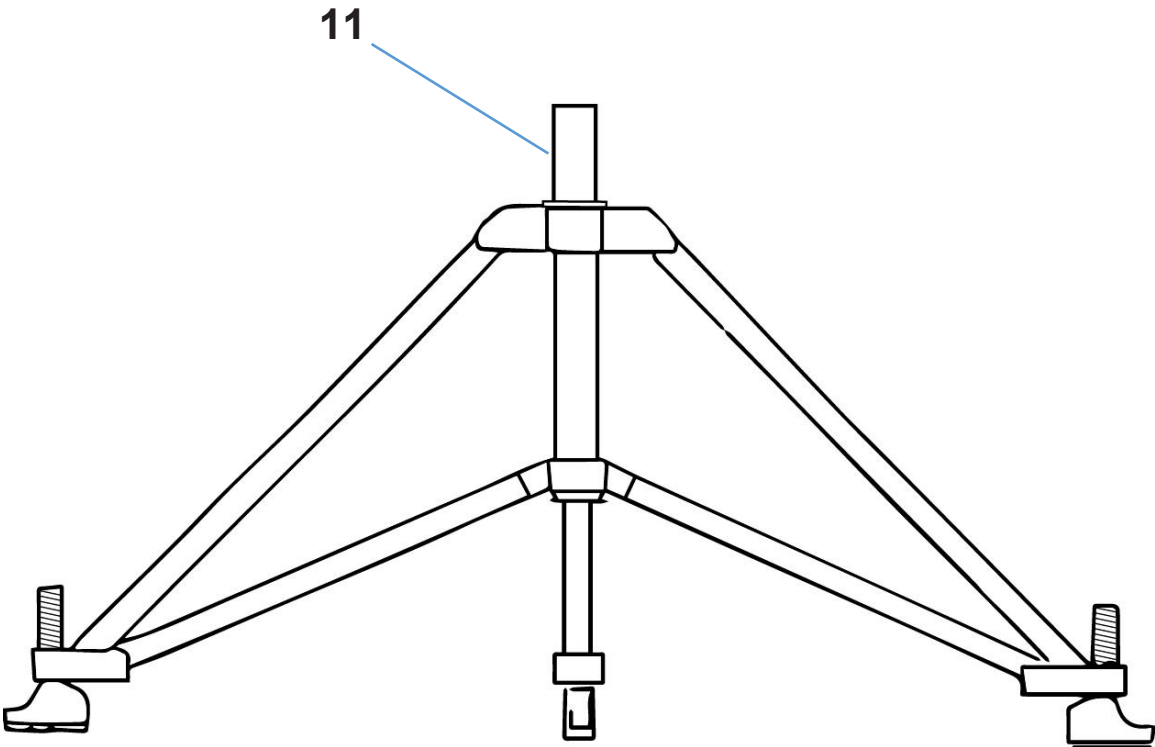
- Always use hardware and related equipment, which meet OSHA and ANSI standards.
- Operations should be conducted in accordance with the instructions for the equipment being used and federal, state, and local regulations.

IF YOU HAVE ANY QUESTIONS CONCERNING THE CORRECT USAGE OF THIS OR ANY FRONTLINE PRODUCT, DO NOT USE, CONTACT FRONTLINE FALL PROTECTION AT: www.FrontlineFall.com or info@FrontlineFall.com

Do not try to adjust, repair or modify Frontline equipment; for prompt service, please contact Frontline. See page 8 of these instructions for contact info.



Quadpod



Portable Base

Inspection Log:

Model #: _____	
Serial #: _____	
Date of Purchase: _____	
Date of first use: _____	

Notes:

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