

XTIRPATM

**INSTRUCTION AND SAFETY MANUAL FOR
XTIRPA XLT MAST SYSTEM/DAVIT ARM XTIRPA XLT
4.6 M (15 FT) TO 7.6 M (25 FT) X 1.83 M (6 FT) FOR PPE**

**UNIVERSAL RESCUE SYSTEM
IN-8020**

MUST BE READ AND UNDERSTOOD BY THE USER BEFORE EACH USE



EC DECLARATION OF CONFORMITY (English)

Manufacturer established in the community:

*Produits de Services Publics INNOVA inc.,
1040, boul. Industriel, Granby, Québec, Canada J2J 1A4*

Declares that the following PPE product:

IN-8020 XTIRPA XLT Mast-DavitArm 4.6M (15ft) to 7.6M (25ft) X 1.83 M (6 Pl) for EPI.

is in conformity with the provisions of the regulation (EU) 2016/425 and complies to the standard:

Personal fall Protection Equipment type E EN 795: 2012

is identical to the PPE product which was submitted to the EC Certificate of Conformity no: 0082/1363/160/06/19/0712 delivered by:

APAVE SUDEUROPE SAS No 0082
8 rue Jean-Jacques Vernazza
Z.A.C. Saumaty-Séon - BP 193 -
13322 MARSEILLE CEDEX 16 - France

is submitted to the article 19c (module C2) of the regulation (EU) 2016/425, under the supervision of the notified body:

APAVE SUDEUROPE SAS No 0082
8 rue Jean-Jacques Vernazza
Z.A.C. Saumaty-Séon - BP 193 -
13322 MARSEILLE CEDEX 16 – France

Produced at: GRANBY, Québec Canada, October 31, 2019



Michael Parker
Quality Manager

INTRODUCTION

CAUTION

The XTIRPA system is part of a personal protection equipment system with fall protection, and offers a solution for the entry, rescue and positioning of personnel and goods in isolation.

The user must read, understand and follow the manual's instructions for each of the entire XTIRPA system's components and parts. These instructions must be communicated to the XTIRPA system user. The manufacturer's instructions must be followed to ensure the appropriate use and maintenance of this product. Any modification or misuse of the XTIRPA system or any of its components or parts, or any failure to follow the manual's instructions may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.

IMPORTANT: The buyer must imperatively complete and return the limited warranty registration card.

The XTIRPA system was engineered for those needing a personal protection equipment system, fall protection, and offers a solution for the entry, rescue and positioning of personnel and goods in isolation. The XTIRPA system was engineered to act as a supporting or anchoring structure for these uses. The XTIRPA system is one of the lightest and most ergonomic systems in its category on the market, thanks to its design and use of a technologically-advanced composite. The XTIRPA system is in compliance with OSHA and CSA standards. The equipment has been tested in accordance with the applicable EN 795 standard's requirements: 2012 Type A and Type E.

Always make this Instruction and Safety Manual available to any worker who needs to use the XTIRPA system.

Before each use, the user must read, understand and follow the manufacturer's Instruction and Safety Manual.

Always keep information and safety labels affixed to the XTIRPA system and its components and keep clean and legible at all times. Clean or replace if necessary. New labels can be obtained upon request.

Implement a regular training program on the use of the XTIRPA system for all users, whether new or experienced, as recommended hereinafter in this Instruction and Safety Manual. Implement a detailed inspection program for the XTIRPA system and document the results, as recommended below in this Instruction and Safety Manual. Always inspect the XTIRPA system before each use and at least once per year.

The XTIRPA system, its components and parts carry labels indicating the maximum capacity of each. Exceeding this maximum capacity may not only result in damage to the XTIRPA system, its components or parts, but may also lead to serious injury or death, for which the manufacturer declines any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.

The XTIRPA XLT mast system/davit 4.6 m (15 ft) to 7.6 m (25 ft) x 1.83 m (6 ft) for PPE IN-8020, includes the following components: IN-5039 (mast/davit). IN-5040 (floor base), A5039-

12 and IN-5040 (counterweight base), A5039-16 (individual counterweight) in compliance with document number MU8020-002ENG rev02.

APAVE SUDEUROPE SAS, Headquarters: 8 rue Jean-Jacques Vernazza - ZAC Saumaty-Séon-CS 60193 - 13322 MARSEILLE CEDEX 16, is the notified body concerned by the design phase and the notified body concerned by the control phase from production.

DESCRIPTION AND MEANING OF MARKING SYMBOLS



This symbol is used to attract the user's attention to a potential danger. The latter's safety is at risk. It is essential to follow the manufacturer's recommendations.



This symbol requires the user to read and understand this product's operating manual before using it.



This symbol indicates that the system must be used by one user only.

-1- APPLICATION

The XTIRPA system and its many components and parts (including davit, base and counterweights) were engineered to be used as part of a personal protection equipment system, fall protection and offers a solution for the entry, rescue and positioning of personel and goods in isolation. The XTIRPA system was engineered to act as a supporting or anchoring structure for these uses.

-2- RESTRICTIONS

- a) **CAPACITY:** This product's maximum weight capacity is 360 lbs (164 kg). Per (OSHA, CSA).
- b) The manufacturer confirms that the anchoring devices have been subjected to tests in accordance with the current European standard (EN 795: 2012 Type A, Type B and Type E and regulation 2016/425) and that, unless otherwise indicated, they are suitable for use by one person only with a shock absorber compliant with EN 355.
- c) **PRECAUTIONS:** The necessary precautions must be taken to limit any injury to the user and damage to the XTIRPA system.
- d) Using the XTIRPA system in hazardous environments may require additional precautions to be taken in order to limit the possibility of injury to the user or damage to the XTIRPA system. Hazards may include but are not limited to: high temperatures, fire, flames, fumes, caustic chemical products, corrosive environments, high voltage electrical cables, sudden pressure changes, gas or toxic or explosive substances, water or risk of flooding, risk of collapse of any wall, ceiling or floor, mobile machinery and sharp objects

CAUTION: The system should be used on a surface that does not contain contamination such as: oil, grease, or other products that could make the system unstable.

CAUTION: The system should be used on a surface that does not contain contamination such as: oil, grease, or other products that could make the system unstable.

- e) Install and secure all signage and other security precautions and safety measures, including but not limited to, those informing users, passersby and vehicle operators circulating nearby of the XTIRPA system's presence and workers before commencing work.
- f) Wear any appropriate, certified and recommended safety equipment, including but not limited to, safety helmets, protective glasses, leather gloves, protective clothing, safety boots, EN 361-compliant harness, flashlight and breathing apparatus if necessary.

CAUTION: The equipment must not be used beyond its limitations or for any purpose other than those for which it was originally intended.

CAUTION: The equipment must only be used by trained and competent personnel in order for this product to be used safely.

- g) Always work in teams of at least two (2) people: 1 partner and 1 person working in the confined space (who is attached to the cable or lifeline), both of whom must be qualified and trained in using the XTIRPA system and who are required to have read and understood the Instruction and Safety Manual before using the XTIRPA system. One person works inside the confined space (the person attached to the cable or lifeline) and the other (the partner) is in charge of handling the lifeline and rewinding it, whilst maintaining contact with the person located inside and remaining available in case of emergency. The partner must ensure that the person attached to the cable or lifeline by their EN-361-compliant harness

is in the correct position at all times. The partner must also ensure that the XTIRPA system is firmly in place and that no imbalance of the load is possible.

IMPORTANT: During installation of the system, it is important to ensure its stability.

- h) Only use a full-body harness compliant with EN 361 as well as certified cables and lifelines for every user of the XTIRPA system, which meet the appropriate specifications, designed and recommended for use in specialized working conditions, such as those for which the XTIRPA system was engineered, as indicated in this Instruction and Safety Manual.

IMPORTANT: When used as PPE, the system must be equipped with a device limiting the dynamic forces exerted on the user to a maximum of 6 kN (1320 LbF).

- i) Work must be planned before commencing. Have available the required equipment, procedures and personnel to carry out the work, who must be qualified and trained in using the XTIRPA system and must have read and understood this Instruction and Safety Manual before using the XTIRPA system.
- j) Always keep information and safety labels affixed to the XTIRPA system, its components and parts clean and legible at all times. Clean or replace if necessary. New labels can be obtained upon request.

IMPORTANT: If the anchoring device's markings cannot be accessed after installation, additional markings located near the anchoring device are recommended.

CAUTION: Any alteration or addition to the equipment must not be carried out without the manufacturer's prior written consent, and any repairs must be performed in accordance with the manufacturer's operating procedures.

CAUTION: It is agreed and accepted that the use of the equipment (system) is limited to one person only.

- k) Follow all the laws, regulations and standards that cover working in, entering and exiting a confined space.
- l) Any person who has not read the Instruction and Safety Manual, who has not been trained to use the XTIRPA system and who does not understand all the instructions concerning the operation, safety, maintenance, reparation and storage contained within this Instruction and Safety Manual, and any other recommendations provided by the Manufacturer or its qualified instructors, is not qualified to use the XTIRPA system, does so at their own risk and doing so, waives all arising claims, rights and remedy against the Manufacturer.
- m) Make sure to adhere to all requirements related to the anchoring device (such as the floor adapter, wall adapter, encasing, etc.) or to the structure chosen to serve as an anchoring point, and in particular, the minimum required resistance, adequacy and position.

CAUTION: Anchoring devices must only be installed by competent persons or organizations.

- n) The maximum force applied by the system on the structure is a vertical force of 22 kN (5000 lbf), per CSA, ANSI, OSHA or 12kN per EN362, EN795 CE on the anchorage to which the system is fixed.

CAUTION: Installation must be checked appropriately, for example, through calculations or tests.

CAUTION: The suitability of the base materials, structural anchor or fixing component, if any, must be considered by taking into account the loads registered on the anchoring device during dynamic resistance and integrity tests.

- o) A safety plan must be established in order to face any emergency that could arise during use.

CAUTION: The XTIRPA system must be placed on a hard and level surface. Do not use the XTIRPA system on soft ground, such as, but not limited to, sand, grass, gravel and pebbles. If you have questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

CAUTION: To ensure safety during the use of the fall arrest system, it is essential to make sure that there is enough clearance below the user, so as to avoid any injury. If any fall were to occur, there should be enough clearance to avoid a collision between the ground and any other obstacle. See the diagram of the air draft calculation in section 8.

REQUIREMENTS OF THE XTIRPA SYSTEM

IMPORTANT: If you have any questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

IMPORTANT: Enter the product's ID number indicated on the ID label on the maintenance and inspection sheet contained in this Instruction and Safety Manual.

IMPORTANT: Enter the date of purchase as well as the date of the first use on the maintenance and inspection sheet contained in this Instruction and Safety Manual.

IMPORTANT: In the event that a handling/positioning winch is required, this option is available with the addition of an adaptor located at the base of the devit arm. Steps 10-11-12 to install the lifeline/winch must then be repeated. If you have questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

- a) The XTIRPA system is part of a personal protection equipment system with fall protection, and offers a solution for the entry, rescue and positioning of personel and goods in isolation. The XTIRPA system was engineered to act as a supporting or anchoring structure for these uses. The XTIRPA system must only be used with adaptors, anchors, connectors (EN 362), other components, parts or sub-systems certified, approved and recommended by the manufacturer.

CAUTION: It is imperative that this system is never used for handling both personnel and equipment at the same time.

- b) The substitution or replacement of any adaptors, anchors, connectors (EN 362), other components, parts or sub-systems may be incompatible, may jeopardize the security and reliability of the entire XTIRPA system and may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.
- c) The connectors (EN362) (hooks, snap hooks, D-rings) must be able to withstand a minimum load of 5000 lb (2273 kg) (CSA, OSHA).
- d) Ensure that the cable or lifeline is placed directly above the working area. Only use cables or lifelines that are certified and in perfect working order, meeting the appropriate specifications, including the maximum lifting capacity for the XTIRPA system's intended use. The owners must ensure that, before each use, each XTIRPA system's user has read, understood and shall follow the manufacturer's Instruction and Safety Manual.
- e) The owners must also ensure that each user has been trained to use the XTIRPA system, before they use the XTIRPA system, and at least once per year subsequently.

- f) Any person who has not read the Instruction and Safety Manual, who has not been trained to use the XTIRPA system and who does not understand all operation and safety instructions is not qualified to use the XTIRPA system. Any user who has not undergone training exposes others and themselves to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.
- g) Refer to and follow all OSHA and CSA standards or other standards and local regulations. Follow all requirements of your local regulations regarding your operations.
- h) See other important operating and safety instructions contained below in the Instruction and Safety Manual.
- i) Enough information must be provided to ensure the compatibility of the equipment's various components when assembled as a system.

CAUTION: A potential danger may exist when several items are used together, whose safety features may affect or interfere with each other.

CAUTION: If the product is resold outside of the first destination country, it is essential for the user's safety that the reseller provides the user guide, instructions for maintenance, for periodic examination, as well as instructions for repairs in the language of the country where the product shall be used. It is also important to provide any required additional information specific to the equipment.

CAUTION: Any person suffering from any medical conditions that may affect the user's safety during normal use of the equipment or in case of emergency must refrain from using the system.

- j) The service life of the XTIRPA system, and its components, shall be determined following the conclusion of periodic and monthly checks which determine whether the product shall remain in service, until the system is decommissioned.

CAUTION: If the system has been used in arresting a fall, it should no longer be used until a qualified person authorizes its reuse in writing.

WARNING: The safety of the user is directly linked to the efficiency of the equipment's maintenance and integrity.

- l) Always ensure that the system is level using a spirit level.

MAINTENANCE/REPAIRS/STORAGE

- a) Before each use, the user must read, understand and follow the manufacturer's Instruction and Safety Manual. Ensure that markings are visible at all times.
- b) Before each use, carefully inspect the XTIRPA system, as well as all of its components and parts. Any faulty parts or components could result in serious injury or even death.
- c) OSHA and CSA require a regular inspection program of any entry/rescue equipment for use in confined spaces, as well as keeping the documented results of these inspections up to date. Use the maintenance and inspection sheets included in this Instruction and Safety Manual to document your results.
- d) It is recommended that the next or latest inspection date be marked on the anchoring device.
- e) Decommission the XTIRPA system if a problem is discovered or if it is found to be unsafe or faulty during inspection. Return to an authorized service center or manufacturer for repair.
- f) The replacement of components and parts, as well as all services and repairs must be performed by an authorized service center, approved by the manufacturer or by the manufacturer itself.
- g) Establish an annual inspection procedure to be performed by a qualified person (someone who is familiar with, has undergone training and has read and understood this Instruction and Safety Manual completely) other than the user.

CAUTION: A periodic inspection must be performed at least once every twelve months.

- h) Clean the davit and base periodically with water and a mild detergent. Clean labels when necessary.
- i) When dismantling mobile systems, it is important to lay them gently on the ground, in order to prevent damaging the components.
- j) Store the XTIRPA system in a dry and clean place, away from direct sunlight. Avoid areas where fumes or substances are present, or chemical or toxic environments. Do not immerse in or leave in direct contact with water as this could lead to corrosion and the formation of rust. Inspect the XTIRPA system after every prolonged storage period and at least once a month.
- k) The XTIRPA System was engineered to last for more than 10 years in continuous service. However, the service life of the XTIRPA system and its components, shall be determined following the conclusions of periodic and monthly checks which determine whether the product shall remain in service, until the system is decommissioned.
- l) Each component of the XTIRPA system should be stored in a separate bag to facilitate transport and handling.

WARRANTY

The XTIRPA system, offered by the Manufacturer, PSP INNOVA INC. is warranted against all defects in material and workmanship for a (2) two-year period from the date of purchase, this warranty only applies to the XTIRPA system's initial buyer. The Manufacturer shall promptly repair or replace all components or parts deemed faulty. The Manufacturer reserves the right to request that the allegedly faulty part be returned to its factory before performing any repairs or replacements.

Only components and parts deemed faulty by the Manufacturer, at its sole discretion and further to any inspection required and performed by the Manufacturer, shall be either repaired or replaced by the Manufacturer, at its choice.

Any claim must be sent in writing to the Manufacturer immediately upon discovery of the problem by the owner and must be accompanied by a copy of the initial buyer's proof of purchase. The Manufacturer shall issue a complaint number and provide specific instructions on the complaints procedure and the return of the faulty part, if the latter is required by the Manufacturer. The owner will collaborate with the Manufacturer and its representatives in order to facilitate the inspection of all allegedly faulty parts. Any transport costs incurred by the owner related to the return of faulty components and parts to the Manufacturer must be paid by the owner, as transport fees related to the return of any replacement components and parts shall be covered by the Manufacturer.

This warranty does not cover damages to equipment resulting from any cause other than defects in material and workmanship, including but not limited to any damage resulting from misuse, lack of maintenance, inadequate handling or storage, intentional damage, vandalism, accidental damage or damage resulting from impact or collision, damage during transport, damage caused by fire, by an explosion, by vapors, chemical, toxic or corrosive substances or environments, water, normal corrosion and rust, storms, hail and any other acts of God, war, insurrection, terrorist acts or any other damage beyond the reasonable control of the Manufacturer. This warranty applies only to the initial purchaser and is the only applicable warranty of the XTIRPA system in lieu of any other warranty, whether express or implied. Without limiting the generality of the foregoing, the Manufacturer shall not be responsible for any costs, damages or claims, including any special, accidental, indirect, or consequential damages, including but not limited to any loss of revenue or anticipated profits, loss of business, personal injury, failure to comply with any obligations including those of good faith or reasonable care, for negligence, or any other loss whether financial or other, in any way arising from or related to the use or impossibility to use the XTIRPA system, even in case of fault, wrongdoing (including negligence), of a strict liability, breach or contract or breach of warranty, even if the Manufacturer was informed of the possibility of such damages. The Manufacturer declines any other warranties and conditions, whether express, implied or statutory, including, but not limited to any warranty or condition of merchantability, fitness for any particular use or application and for lack of negligence or professional diligence.

IMPORTANT: The buyer must imperatively complete and return the limited warranty registration card for each product.

DESCRIPTION OF THE XTIRPA SYSTEM

CAUTION

The XTIRPA system is part of a personal protection equipment system with fall protection, and offers a solution for the entry, rescue and positioning of personnel and goods in isolation. The XTIRPA system was engineered to act as a supporting or anchoring structure for these uses. The user must read, understand and follow the manual's instructions for each of the entire XTIRPA system's components and parts. These instructions must be communicated to the XTIRPA system user. The manufacturer's instructions must be followed to ensure the appropriate use and maintenance of this product. Any modification or misuse of the XTIRPA system or any of its components or parts, or any failure to follow the manual's instructions may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.

DESCRIPTIONS:

- Mast base for adjustable davit: A5039-12 (see illustration 1)
- Set of 8 concrete blocks 406 kg (895 lb): A5039-13 (see illustration 2)
- Floor adapter for mast system/davit 15 ft x 25 ft x 6 ft: IN-5040 (see illustration 3)
- XTIRPA XLT mast system/davit 4.6 m (15 ft) to 7.6 m (25 ft): IN-5039 (see illustration 4)
- Set of 8 concrete blocks 315 kg (693 lb) each: A5039-14 (illustration 5)
- XTIRPA XLT mast system/davit 4.6 m (15 ft) to 7.6 m (25 ft): IN-8020 (see illustration 6)

Illustration 1
A5039-12

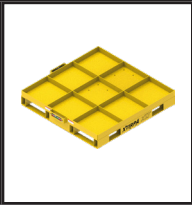


Illustration 2
A5039-13

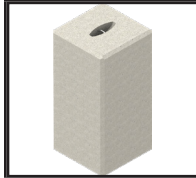


Illustration 3
IN-5040



Illustration 4
IN-5039

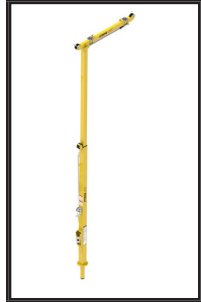


Illustration 5
A5039-14

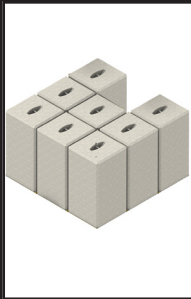


Illustration 6:
IN-8020



-6-

OPERATION, INSTALLATION AND USE OF THE XTIRPA SYSTEM

CAUTION: The XTIRPA system is part of a personal protection equipment system with fall protection, and offers a solution for the entry, rescue and positioning of personnel and goods in isolation. The XTIRPA system was engineered to act as a supporting or anchoring structure for these uses. The user must read, understand and follow the manual's instructions for each of the entire XTIRPA system's components and parts.

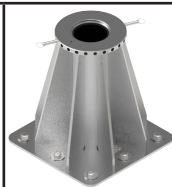
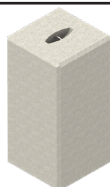
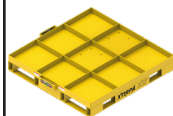
CAUTION: These instructions must be communicated to the XTIRPA system user. The manufacturer's instructions must be followed to ensure the appropriate use and maintenance of this product. Any modification or misuse of the XTIRPA system or of any of its components or parts, or any failure to follow the manual's instructions may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA System waiving any arising claim, right and remedy against the manufacturer.

IMPORTANT: If you have any questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

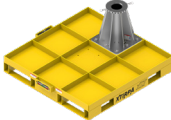
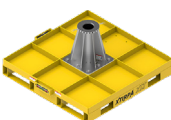
IMPORTANT: Enter the product's ID number indicated on the XTIRPA System's ID label on the maintenance and inspection sheet contained in this Instruction and Safety Manual.


INSTALLATION OF THE XTIRPA XLT SYSTEM



1. Ensure that all components and parts are in perfect working order and that everything is functioning correctly.



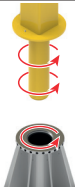
IMPORTANT: Given the weight of each component, lifting equipment must be used for all transport.


<p>2. Install the floor adapter base in the desired location;</p> <p>A) Edge position. B) Central position.</p>	<p>A</p> 	<p>B</p> 
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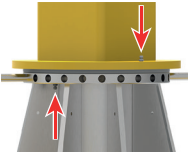
<p>3. Check that the winch support is installed. If necessary, install the winch support on the mast system/davit using the four (4) nuts and bolts.</p>	
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<p>4. With the help of the available lifting equipment, lift the mast system/davit using the two (2) lifting points provided for this purpose on the mast/davit.</p>		
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<p>IMPORTANT: Before inserting the mast/davit into the adapter, check that there are no blockages at the end of the mast/davit. Failure to do so shall seriously impact the use of the equipment and may cause serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.</p>		
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<p>5. Before inserting the mast/davit, apply approximately 16 oz of all-purpose grease (-18 to 125°C) around the base of the mast/davit and a further 2 oz approximately on the surface of the floor adapter.</p>	
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<p>6. Still using the available lifting equipment, insert the mast/davit into the adapter.</p>	
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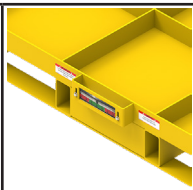
<p>7. Using the grease nozzles, lubricate the system until the mast/davit rotates easily.</p>	
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8. Using the available lifting equipment, move the entire system to the desired location whilst heeding the following warning on recommended surface types.



CAUTION: The XTIRPA system must be placed on a hard and level surface. Do not use the XTIRPA system on soft ground, such as, but not limited to, sand, grass, gravel and pebbles. If you have any questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

9. Level the base of the XTIRPA XLT mast/adjustable davit using the base's integrated level.



10. Insert the lifting ring into the concrete block.

11. Using the lifting ring, place the 8 concrete blocks one at a time onto the base, according to the position of the floor adapter;
- A) Edge position.
B) Central position.

A



B



IMPORTANT: It is essential that the eight (8) concrete blocks always remain in position during use of the XTIRPA XLT system. Failure to do so may result in serious accident, injury or death.

INSTALLATION OF TYPE 3 SELF-RETRACTING LIFELINE ON THE XTIRPA XLT SYSTEM

1. Install the lifeline or winch onto the davit arm bracket designed to accept this type of equipment. Use the locking pin provided with the lifeline or winch bracket and lock with the pin.



CAUTION: It should be noted that only plates, supports and adaptors certified, approved and recommended by the Manufacturer may be used.

2. Pull on the lifeline cable or winch leading to the first pulley, situated on the lower edge of the mast/davit, then remove the pulley pin in order to thread the cable through.



3. Once the cable has been threaded through, replace the pin to secure the lifeline or winch cable.



4. Thread the lifeline or winch cable through the 2 corkscrew attachments to stabilize the cable when using XTIRPA XLT system.



5. Pull on the lifeline cable or winch leading to the next pulley, situated on the upper edge of the mast/davit, then remove the pulley pin in order to thread the cable through.



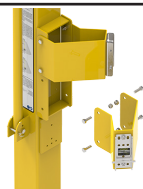
6. Once the cable has been threaded through, replace the pin to secure the lifeline or winch cable.



IMPORTANT: In the event that a handling/positioning winch is required, this option is available with the addition of an adaptor located at the base of the devit arm. Steps to install the winch must be repeated. If you have any questions related to the use, maintenance or suitability of the XTIRPA system for your operations, please contact the manufacturer, PSP INNOVA INC.

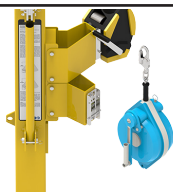
INSTALLATION OF A 2ND TYPE 3 SELF-RETRACTING LIFELINE ON THE XTIRPA XLT SYSTEM

1. Install the 2nd winch support on the mast system/davit below the main support, using the four (4) nuts and bolts.



CAUTION: It should be noted that only plates, supports and adaptors certified, approved and recommended by the Manufacturer may be used.

2. Install the lifeline or winch onto the 2nd winch support designed to accept this type of equipment. Use the locking pin provided with the lifeline or winch bracket and lock with the pin.



3. Pull on the lifeline cable or winch leading to the first pulley, situated on the lower edge of the mast/davit, then remove the pulley pin in order to thread the cable through.





4. Once the cable has been threaded through, replace the pin to secure the lifeline or winch cable.





5. Thread the lifeline or winch cable through the 2 corkscrew attachments to stabilize the cable when using XTIRPA XLT system.










<p>6. Pull on the lifeline cable or winch leading to the next pulley, situated on the upper edge of the mast/davit, then remove the pulley pin in order to thread the cable through.</p>	
<p>7. Once the cable has been threaded through, replace the pin to secure the lifeline or winch cable.</p>	

INSTALLATION OF TYPE 2 SELF-RETRACTING LIFELINE ON THE XTIRPA XLT RAIL SYSTEM




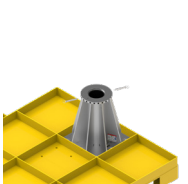
<p>1. Install the lifeline on the rail system above the mast/davit.</p>		
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HEIGHT ADJUSTMENT OF THE XTIRPA XLT SYSTEM

<p>1. Remove the pin from the locking mechanism situated on the mast/davit mount.</p>		
<p>2. Lower the handle on the locking mechanism to unlock.</p>		
<p>3. Adjust the height of the mast/davit using the crank. In order to ascertain the safe and optimal height for using the system, refer to the "Work Zone" table in chapter 8.</p>		

<p>4. When the mast/davit has been adjusted to the desired height, raise the handle of the locking mechanism.</p>	
<p>5. Place the pin back into the locking mechanism in order to secure it.</p>	

ADJUSTMENT OF THE DIRECTION OF THE XTIRPA XLT SYSTEM

<p>1. To turn the XTIRPA XLT system in the desired direction, start by removing the pin from the handling arm.</p>	
<p>2. Lower the handling arm.</p>	
<p>3. Using the handling arm, turn the XTIRPA XLT system in the desired direction.</p>	
<p>4. If required, the directional scope can be limited using two (2) pins on the floor adapter.</p>	

- 5.** Raise the handling arm when the desired direction of the XTIRPA XLT has been reached.



- 6.** Replace the pin in the handling arm.



IMPORTANT: Ensure that the cable or lifeline is positioned directly above the working area. Only use cables or lifelines that are certified and in perfect working order, meeting the appropriate specifications, including the maximum lifting capacity for the XTIRPA system's intended use.

CAUTION: Any system must immediately be removed from use if its safety is in doubt or in the event that it was used to stop a fall. It is imperative to immediately stop using the system until a competent person authorizes in writing the product's integrity before it can be used again.

CAUTION: Regarding fall arrest systems, to ensure the user's safety, the anchoring device or anchorage point must always be correctly positioned and work must be carried out in a way that minimizes the risk and height of falls. The anchoring device or anchorage point must imperatively be placed above the user's position.

CAUTION: When using a fall arrest system and to ensure safety, please check the clearance below the user in the work place before every possible use, so that in case of a fall, no collision with the ground can occur and no obstacle is found on the trajectory.

IMPORTANT: Only certified fall arrest body harnesses may be used with a fall arrest system.

IMPORTANT: The fall arrest harness must be fastened to the system's cable or lifeline by the harness's fall arrest suspension point.

CAUTION: It is strictly forbidden to use a fall arrest winch/lifeline in any position situated underneath the davit.

IMPORTANT: If necessary, use guardrails to secure the work space and avoid any falls.

CAUTION: The Instruction and Safety Manual must be followed to ensure the appropriate use and maintenance of this product. Any modification or misuse of the XTIRPA system or any of its components or parts, or any failure to follow the manual's instructions may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer.

CAUTION: The XTIRPA system must only be used with adaptors, anchors, connectors (EN 362), pulleys and other components, parts or sub-systems certified, approved and recommended by the Manufacturer. Any substitution or replacement of adaptors, anchors, connectors (EN 362), other components, parts or sub-systems may be incompatible, may jeopardize the security and reliability of the entire XTIRPA system and may lead to serious injury or death, for which the manufacturer refuses any warranty or responsibility, the user, owner and buyer of the XTIRPA system waiving any arising claim, right and remedy against the manufacturer. All connectors (EN362) (hooks, snap hooks, D-rings) must be able to withstand a minimum load of 5000 lbf (22 kN) for ANSI, CSA, OSHA and 12 kN for EN-795: 2012.

INFORMATION AND SAFETY LABELS

Manufacturer

Product number

Label (en)
IN-5039-002

XTIRPA XLT
IN-5039
XLT MAST & DAVIT ARM SYSTEM
15' to 25' x 6'

Specifications :
(CSA C224)
Maximum working load: 360 lb (164 kg)

Materials : Aluminum, Stainless Steel, Aust. Steel.

Standards : Complies with Standard :
OSHA 1910.66, CSA Z259.15:2017 Class AD

Inspection :
Before each use, inspect the XTIRPA system to determine that it is in perfect working condition. At least once a month, XTIRPA system components should be inspected and documented by a qualified person. The data collected shall comply with the User's Instruction and Safety Manual.
Do not use if inspection shows a problem, an unsafe or defective condition. Must not be repaired by anyone other than the manufacturer or an authorized service center. Not user repairs.

Installation and use:
Ensure that all components and parts are in perfect working condition and working properly. Make sure that your anchoring point as well as the mast are in perfect condition. Fully push the masthead arm and check that it is free to turn. Place the mounting bracket(s) at the desired location(s) according to the winches used. Fix the winches and their brackets on the fixing plates and lock them all by means of the locking pins. Put the cable of each winch through the roller guide, the feed guides and finally onto the pulley which are located on the same side as the winch. It is very important that the cables are free to move and that they do not get pinched.

Weight :
Main/Cavit arm system 630 lb (286 kg)
Floor base system 135 lb (61 kg)
Counterweight base system w/ end rollers 675 lb (306 kg)
Individual counterweight system w/ 884 lb (400 kg)
Complete system 1440 lb (654 kg)

Warnings :
For all other steel applications, consult the Manufacturer or Distributor.
The Manufacturer's instructions must be followed for proper use and maintenance of this product. Any alteration or misuse of this product or failure to follow instructions may result in serious injury or death, for which Manufacturer and Distributor disclaim all warranties and liabilities whatsoever. User, owner and purchaser of the XTIRPA system waives all claims, rights and responses against the Manufacturer and Distributor.

Label (en)
s5040-001

XTIRPA
360°
360 lbs (164 Kg)
≤ 1350 lbf (6 kN)
25,920 lbf-in (2,929 N-m)
S5040-001 revB

Label (en)
s2126-007

WARNING
Always use product in a horizontal and level position.
S2126-007 RevB

Label (en)
s5039-012

WARNING
Unlock position
Pin removed
Lock position
Pin inserted
The locking mechanism must be in the locked position when the user is using the system.
S5039-012 RevA

Label (en)
s2001-005

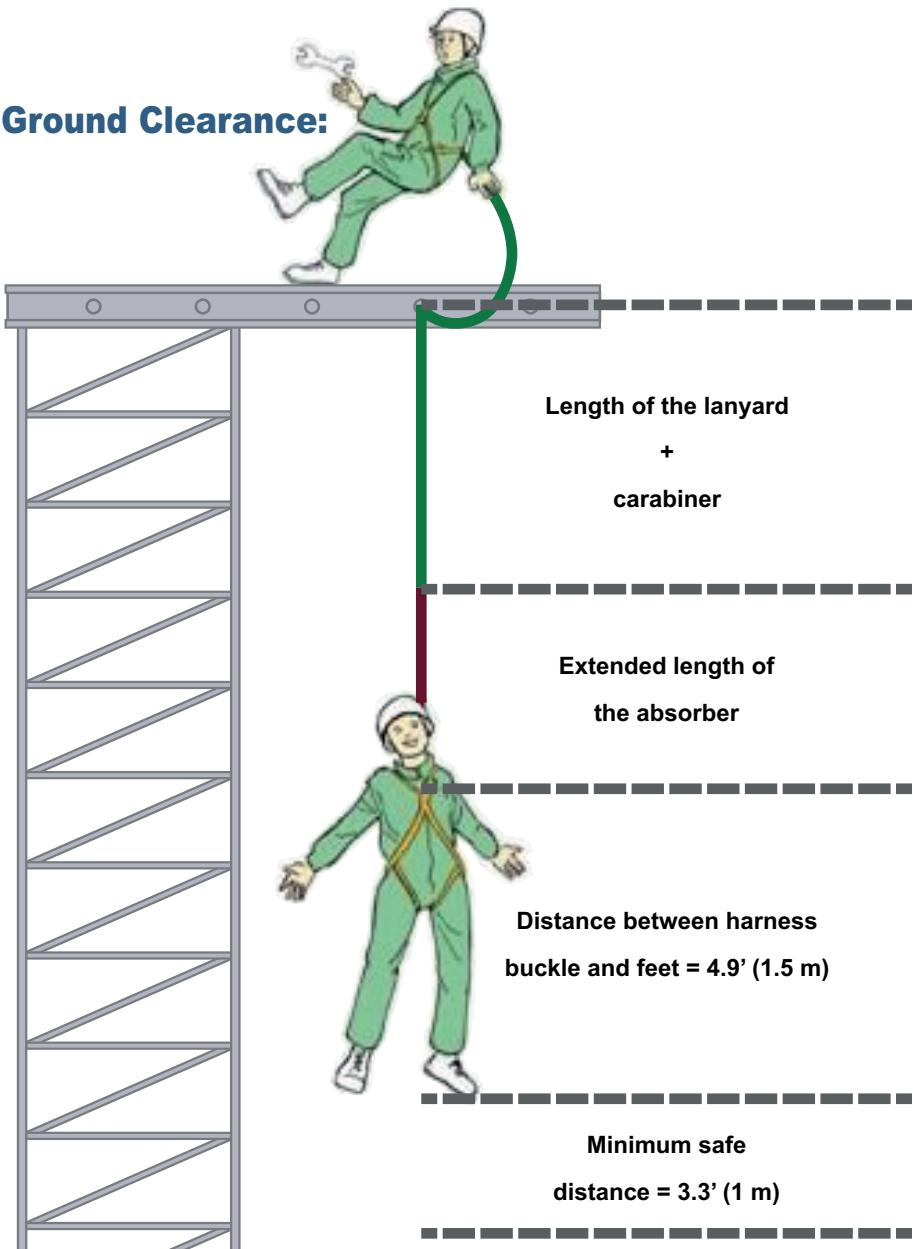
SERIAL NUMBER LABEL
→ Product serial number
→ Product number

XTIRPA
Product No. Lot No.
Serial No. Mfg. date
www.xtirpa.com Manufactured by:
Innova Public Utility Products Inc.
Made in Canada
S2001-005 Rev.C

Manufacturing date
Manufacturing batch number

-8-
CALCULATION DIAGRAM

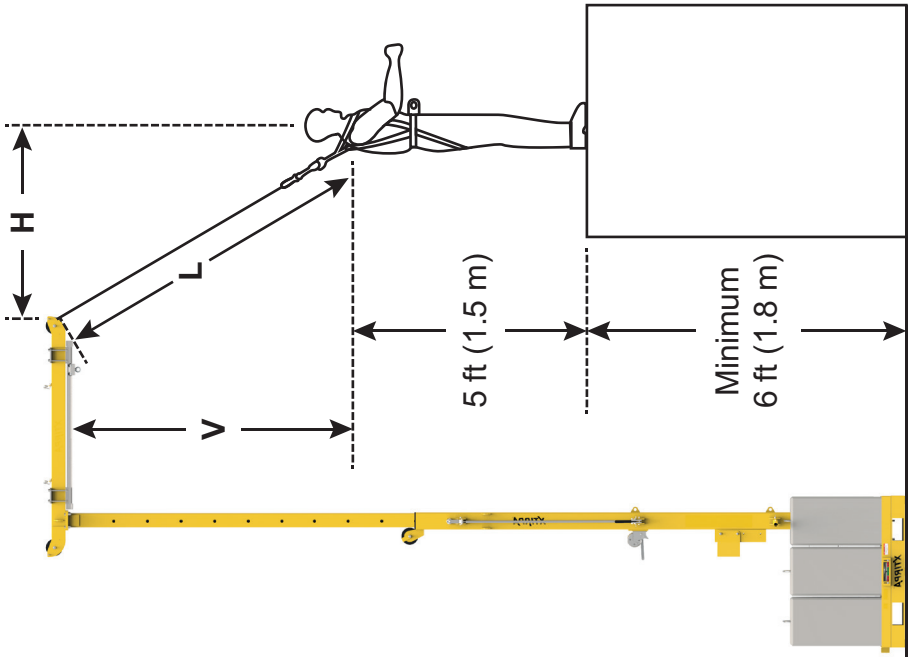
Ground Clearance:



Pay attention to the distance to the ground!

Work area

L		H						
		0.0 ft	1.0 ft	2.0 ft	3.0 ft	4.0 ft	5.0 ft	6.0 ft
V	0.0 m	0.0 m	0.3 m	0.6 m	0.9 m	1.2 m	1.5 m	1.8 m
	0.0 ft							
	0.0 m							
	1.0 ft							
	0.3 m							
	2.0 ft	2.2 ft						
	0.6 m	0.7 m						
	3.0 ft	3.2 ft						
	0.9 m	1.0 m						
	4.0 ft	4.1 ft	4.5 ft					
	1.2 m	1.3 m	1.4 m					
	5.0 ft	5.1 ft	5.4 ft					
	1.5 m	1.6 m						
	6.0 ft	6.1 ft	6.3 ft	6.7 ft				
	1.8 m	1.9 m	1.9 m	2.0 m				
	7.0 ft	7.1 ft	7.3 ft	7.6 ft	8.1 ft			
	3.1 m	3.1 m	3.2 m	3.2 m	3.3 m			
	8.0 ft	8.1 ft	8.2 ft	8.5 ft	8.9 ft			
	2.4 m	2.4 m	2.5 m	2.6 m	2.7 m			
	9.0 ft	9.1 ft	9.2 ft	9.5 ft	9.8 ft	10.3 ft		
	2.7 m	2.7 m	2.8 m	2.8 m	3.0 m	3.1 m		
	10.0 ft	10.0 ft	10.2 ft	10.4 ft	10.8 ft	11.2 ft		
	3.0 m	3.0 m	3.1 m	3.1 m	3.2 m	3.4 m		
11.0 ft	11.0 ft	11.2 ft	11.4 ft	11.7 ft	12.1 ft	12.5 ft		
3.4 m	3.4 m	3.4 m	3.5 m	3.5 m	3.6 m	3.7 m	3.8 m	
12.0 ft	12.0 ft	12.2 ft	12.4 ft	12.6 ft	13.0 ft	13.4 ft		
3.7 m	3.7 m	3.7 m	3.8 m	3.9 m	4.0 m	4.1 m		
13.0 ft	13.0 ft	13.2 ft	13.3 ft	13.6 ft	13.9 ft	14.3 ft		
4.0 m	4.0 m	4.0 m	4.1 m	4.2 m	4.3 m	4.4 m		
14.0 ft	14.0 ft	14.1 ft	14.3 ft	14.6 ft	14.9 ft	15.2 ft		
4.3 m	4.3 m	4.3 m	4.4 m	4.5 m	4.6 m	4.7 m		



Product: _____
Purchasing date: _____

Model number: _____ Serial number: _____ Manufacturing date: _____

Date of next inspection: _____

Date of 1st use: _____

[illegible]

COMMENTS:

*Any failure to follow the Manufacturer's instructions contained in the Instruction and safety manual, including with regard to the inspection and maintenance of the XTRIPA system and of components and parts thereof, will cause warranty to become null and void and may result in serious injury or death of the user, for which the Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTRIPA system waiving all claims, rights and recourses against Manufacturer and derived there from.

Manufactured by: INNOVA Public Utility Products Inc. 1040 boul. Industriel, Granby, Quebec, Canada J2J 1A4

Tel: (450) 777-1240 Fax: (450) 372-9936

This warranty applies only to the original purchaser and is the only one applicable to the Xtirpa System, and is in lieu of all other warranties, expressed or implied. The purchaser has to complete and return to INNOVA Public Utility Products Inc., all information within thirty days of purchase. Otherwise limited warranty will be void, if the product is not registered.

Register now: Mail or fax this registration form or visit our web site and register online.
Mail: INNOVA Public Utility Products Inc., 1040, boul. Industriel, Granby J2J 1A4
Fax: (450) 372-9936
Web site: www.xtirpa.com

XTRIPA PRODUCT

Model number: _____

Purchasing date: _____

Serial number: _____

Manufacturing date: _____

CUSTOMER / USER INFORMATION

Company: _____

Phone: _____

Street address: _____

Fax: _____

City: _____

State: _____

E-Mail: _____

Zip: _____

Name: _____

Do you wish to be on Innova's mailing list

Position: _____

for new product literature: YES ☐NO ☐

*Any failure to follow the Manufacturer's instructions contained in the instruction and safety manual, including with regard to the inspection and maintenance of the XTRIPA system and of components and parts thereof, will cause warranty to become null and void and may result in serious injury or death of the user, for which the Manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTRIPA system waiving all claims, rights and recourses against Manufacturer and derived there from.

Manufactured by: INNOVA Public Utility Products Inc. 1040 boul. Industriel, Granby, Quebec, Canada J2J 1A4**Tel: (450) 777-1240 Fax: (450) 372-9936**

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTES

[illegible]



CONFINED SPACE SAFETY SOLUTIONS

Headquarters and manufacturing plant

Innova Public Utility Products, Inc.,
1040, Boulevard Industriel
Canada, Qc, Canada
J2J 1A4

Telephone: 450.777.1240
Freephone: 1.800.461.1937

www.xtirpa.com



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