

XTIRPA™

INSTRUCTION AND SAFETY MANUAL XTIRPA 762mm-1219mm (30" to 48") Extendable Fall Protection & Retrieval Davit Arm for PPE

**UNIVERSAL RESCUE system
IN-8005**

TO BE READ AND UNDERSTOOD BY USER PRIOR TO EACH USE



INTRODUCTION

WARNING

The XTIRPA system is part of a personal protection equipment system for fall protection, work positioning, or rescue, for use in confined spaces.

The user must read, understand and follow the manufacturer's instructions for each component or part of the complete XTIRPA system. These instructions must be provided to the user of the XTIRPA system. The user must read and understand these instructions before using the XTIRPA system. The manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of the XTIRPA system or of any component or part thereof or failure to follow instructions may result in serious injury or death, for which the manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against the manufacturer and derived therefrom.

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

The XTIRPA system was designed for persons needing a personal protection equipment system for fall protection, work positioning, or rescue, for use in confined spaces. The XTIRPA system is intended to act as a support structure or anchor for these uses. Due to its design and the use of an advanced composite, the XTIRPA system is one of the lightest and most ergonomic systems of its kind on the market. The XTIRPA system is in compliance with ANSI, OSHA, CSA and CE standards. The equipment has been tested in conformance with applicable requirements of the EN 795:2012 Type A and TS16415 : 2013 standard.

Always keep this instruction and safety manual available to any worker needing to use the XTIRPA system.

Before each use, the user must read, understand and follow the manufacturer's instruction and safety manual.

Keep instructional and safety labels affixed to the XTIRPA system and its components and parts clean and legible at all times. Clean or replace if required. New labels can be obtained upon demand.

Establish a regular training program on the XTIRPA system for new & experienced workers, as further recommended in this instruction and safety manual. Establish a detailed inspection program for the XTIRPA system and document findings, as further recommended in this instruction and safety manual. Always inspect the XTIRPA system before each use and at least once a year.

The XTIRPA system and its components and parts have labels indicating the maximum capacity of each. Exceeding said maximum capacity may result not only in damages to the XTIRPA system or its components or parts but also in serious injury or death, for which the manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against the manufacturer derived therefrom.

The XTIRPA Universal safety system, IN-8005 Including components; Mast, Extendable Davit arm, various bases and optional accessories, conforms to document number MU8005-012ENG rev04. (For product numbering, see section 5 of the manual).

DESCRIPTION & INTERPRETATION OF MARKING SYMBOLS



This symbol is used to alert the user to a potential hazard. The safety of the worker is in jeopardy. It is imperative to follow the manufacturer's recommendations.



This symbol asks the user to read and understand the manual for this product before use.



This symbol specifies that the system can be used simultaneously by a maximum of 3 users.



The anchorages must be installed by qualified and experienced personnel according to the local legislation, it is necessary to follow the recommendations of the manufacturers of the anchors at all times.



Inspect the installation and condition of the adapter at regular intervals or when the system has been dropped. In the event of a fall or doubt about the integrity of the equipment, it must be immediately removed and inspected by a competent person before reuse.



Maximum Permissible Stopping Force (FAM).



When maneuvering and to avoid serious injury, the positioning pin must be in place.



Adapters are designed for or approved by XTIRPA equipment only.

-1- APPLICATION

The XTIRPA system, and its many components and parts (including davit arm, "H" base and mast), are intended to be used as part of a personal protection equipment system for fall protection, work positioning, personnel handling, materials handling, or rescue, for use in confined spaces. The XTIRPA system is intended to act as a support structure or anchor for these uses.

-2- RESTRICTIONS

- a) **CAPACITY:** The maximum working load (CMT) of this product is 360lbs (164kg). According to EN 795: 2012 and TS16415: 2013, use an EN-360 and / or EN-363 fall protection system or EN-1496 recovery system.
- b) The manufacturer certifies that the anchoring devices have been tested in accordance with this European standard (EN 795: 2012 Type A and TS16415: 2013) and that, unless otherwise indicated, they are suitable for use by a single person, by anchor point, with an energy absorber in accordance with EN 355.
- c) **PRECAUTIONS:** Take the necessary precautions to limit injuries to the user and risks of damaging the XTIRPA system.
- d) Use of the XTIRPA system in areas where environmental hazards exist may require additional precautions to limit the possibility of injury to the user or damage to the XTIRPA system. Hazards may include, but are not limited to: high heat, fire, flame, smoke, fumes, caustic chemicals, corrosive environments, high voltage power lines, sudden changes of pressure, explosive or toxic gases or substances, water or risks of flooding, risks of wall, ceiling or floor collapsing, moving machinery and sharp edges.
- e) Install and secure all signaling and other precautionary and security measures, including but not limited to, notifying users, bystanders and vehicle operators circulating near the XTIRPA system of the presence of the XTIRPA system and its workers, before starting work.
- f) Wear all appropriate certified and recommended security equipment such as, but not limited to, hard hat, protective eyewear, leather gloves, protective clothing, work boots, harness in accordance with EN 361, flashlight and respiratory device if needed.

WARNING: The equipment must not be used beyond its limits, or in any other situation than that for which it is intended.

WARNING: The equipment should only be used by trained and competent persons in order for this product to be used safely.

- g) Always work in teams of at least two (2) people (1) attendant and (1) confined space worker (the person attached to the lifeline cable or rope), which must be qualified and trained on the XTIRPA system and who must have read and understood this instruction and safety manual before using the XTIRPA system. One person works in the confined space (person attached to the lifeline cable or rope) and the other (attendant) pays out the line and reels it in, keeps contact with the person inside and remains available in case of any emergency. The attendant makes sure, at all times, that the user who is tying his lifeline cable or rope to his harness is in the right position. The attendant also assures that the XTIRPA system is well in place and that no load imbalance is possible.

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

- h) Use only a full body harness conforming to EN 361 as well as certified lifeline cables and ropes, for any user of the XTIRPA system, having the appropriate specifications and designed and recommended for use in conditions of specialized work such as that for which the XTIRPA system was designed, as indicated in this Instruction and Safety Manual. For the installation of cables or lifeline on the 14kN certified anchor points of the crane, see section 6.

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

- i) Plan your work program before starting. Have the required equipment, procedures and people, which must be qualified and trained on the XTIRPA system and who must have read and understood this instruction and safety manual before using the XTIRPA system, available to do the job.
- j) Keep all instructional and safety labels apposed on the XTIRPA system and its components and parts clean and legible at all times. Clean or replace if required. New labels can be obtained upon demand.

IMPORTANT: If the markings on the anchoring device are not legible after installation, it is recommended that supplementary markings next to the anchoring device be made.

WARNING: No modifications or additions to the equipment shall be performed without the authorization of the manufacturer, and all repairs shall be done as indicated by the operating procedure of the manufacturer.

WARNING: It is established and agreed that the equipment (system) is reserved for the use of a maximum of three people.

- k) Do not exceed 360lbs (164kg) per anchor, the maximum work load (CMT) of the system.
- l) Follow all applicable laws, regulations and standards for work in, entry in and exit from confined spaces.
- m) A person who has not read this instruction and safety manual, has not been trained in using the XTIRPA system and does not understand all operation, safety, maintenance, servicing and storage instructions contained in this instruction and safety manual and in any other recommendations provided by manufacturer or its certified trainers is not qualified to operate the XTIRPA system and does it at its sole risk, therefore waiving any and all claims, rights and recourses against manufacturer and derived there from.
- n) Make sure to conform to relative demands regarding anchoring devices. (As: floor adapter, mural adapter etc.) Or the chosen structure that will be used has an anchoring point. In particular minimal required resistance, equivalency and position.

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

- o) The maximum force applied by the system to the structure is, a vertical force of 14kN according to EN362, EN795: 2012 CE and TS16415: 2013 on the anchor to which the system is attached.

WARNING: The system must be appropriately checked, for example, by calculations or tests.

WARNING: The use of a base, structural anchor or fastener, if one exists, must be taken into account when calculating the amount of force supported by the anchor during strength and integrity testing.

- p) A rescue plan shall be enforced in order to face all likely emergency that could occur while working.

WARNING: It is important to place the XTIRPA system on a hard and level surface. Do not use the XTIRPA system on a soft surface, including, but not limited to, sand, grass, gravel and rocks. If you have any questions about use or maintenance or whether the XTIRPA system is appropriate for your job, please contact the manufacturer PSP INNOVA INC.

WARNING: For safety reasons, make sure when using the anti-drop system that you have enough space under the user, so as to avoid injury. If a fall occurs, there should be enough space to avoid a collision with the ground or any obstacle. See the diagram in Section 8 for calculating this distance.

XTIRPA SYSTEM REQUIREMENTS

IMPORTANT: If you have questions on the use, care or suitability of the XTIRPA system for your application, please contact the manufacturer INNOVA Public Utility Products Inc.

IMPORTANT: Record the product identification information from the ID label in the maintenance and inspection log of this instruction and safety manual.

IMPORTANT: Record purchasing date and also date of first use on the maintenance and inspection log sheet included in this safety instruction manual.

IMPORTANT: If a material/positioning winch is required, this option will be available by adding an adapter at the bottom part of the davit arm. Following installation of adapter, repeat steps 4-5-6 on installation of material/positioning winch. If you have any questions concerning the use, maintenance or appropriate characteristics of the XTIRPA for your application, please contact the manufacturer INNOVA Public Utility Products Inc.

WARNING: This system should never be used to transport personas and material at the same time.

- a) The XTIRPA system is intended to be used as part of a personal fall arrest, work positioning, personnel riding, material handling, or rescue system for use in confined spaces and act as a support structure or anchorage. The XTIRPA system must be used only with adapters, anchors, connectors, other components, parts or subsystems certified, approved and recommended by the manufacturer.
- b) Substitutions or replacements made with non-approved adapters, anchors, connectors, other components, parts or subsystems may be incompatible, may jeopardize the safety and reliability of the complete XTIRPA system and may result in serious injury or death, for which manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against manufacturer derived there from.
- c) The connectors (EN 362) (hooks, carabiners, D-rings) must meet the EN362 standard.
- d) Make sure the lifeline cable or rope is positioned directly over the work area. Use only certified lifeline cable or rope, in perfect working condition, with appropriate specifications, including maximum leverage capabilities, for the intended use of the XTIRPA system.
- e) Owners must make sure that, before each use, all users of the XTIRPA system have read, understood and follow manufacturer's instructions and safety manual.
- f) Owners must also make sure that all users have successfully been trained in using the XTIRPA system, before allowing them to use the XTIRPA system, and at least annually thereafter.

- g) A person who has not read the instruction and safety manual, been trained in using the XTIRPA system and does not understand all operation and safety instructions, is not qualified to operate the XTIRPA system. An untrained user exposes himself and others to possible serious injury or death, for which manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against manufacturer derived there from.
- h) Refer to and follow all EN standards or other local standards and regulations. Observe all the requirements of your local regulations for your applications.
- i) See other important operation instruction and safety information hereafter contained in this instruction and safety manual.
- j) It is imperative to supply all information in sufficient quantity to assure that different equipment articles are compatible when assembled as system.

WARNING: It is susceptible that a hazard occur while using multiple components which one of them could affect the safety function of the system which the safety function could be affected by another article which interferes with this one.

WARNING: It is essential for the safety of the user, if the product is resold to a destination outside the first country, that the reseller supplies the instruction manual, maintenance instruction log sheet for the periodically inspections and all relatives repairs instruction written in the country language of product utilization. It is also required to supply all specific additional information for the equipment.

WARNING: All person containing a medical condition susceptible of causing a hazard to the user while using in normal operation, shall abstain from using the system in case of emergency.

- k) Life expectancy of the XTIRPA system, and it's components will be determined after the periodically and monthly verifications conclusions that will determined the use or discounted of the system in service.

WARNING: If the system has been used to stop a fall, it should not be used again until a competent person has, in writing, authorized its reuse.

WARNING: The safety of the user is in direct relation to the quality of maintenance and integrity of the equipment.

- l) Always use a Manhole Guard if the adapter and mast option is in use in order to secure your working area to avoid any fall.

MAINTENANCE, SERVICING, STORAGE

- a) Before each use, the user must read and understand the manufacturer's instruction and safety manual. Ensure that the markings are visible at all times.
- b) Before each use, carefully inspect the XTIRPA system and all components and parts thereof. Any defective parts or components could result in serious injury or death.
- c) The standards require a regular inspection program for all confined space entry / retrieval equipment, as well as keeping up-to-date documented results of these inspections. Use the maintenance and inspection sheet included in this Instruction and Safety Manual to document your results.
- d) It is recommended that the anchoring device be marked with the most recent or next inspection date.
- e) Remove the XTIRPA system from service if a problem, unsafe or defective condition is found during the inspection. Return to an authorized service center or manufacturer for service.
- f) Replacement of components and parts and additional maintenance and servicing procedures must be completed by an authorized service center, approved by manufacturer, or manufacturer itself.
- g) Establish a monthly inspection which should be done by a competent person (person who is familiar, has been trained and has read and fully understands this instruction and safety manual), other than the user.

WARNING: A periodic inspection should be performed at least once every twelve months.

- h) Periodically clean the exterior of the XTIRPA system in use, using water and mild detergent. Clean labels as required.
- i) When lowering the removable system, it is important to slowly place the system on the ground, to avoid damaging components.
- j) Store the XTIRPA system in a clean and dry environment, out of direct sunlight. Avoid areas with chemical or toxic vapors, substances or environments. Do not immerse or leave in direct contact with water, as corrosion and rust may occur. Inspect the XTIRPA system after any period of extended storage and at least once a month.
- k) Life expectancy of the XTIRPA system, and its components will be determined after the periodically and monthly verifications conclusions that will determined the use or discounted of the system in service.

WARRANTY

The XTIRPA system offered by the manufacturer, INNOVA Public Utility Products Inc., is warranted against manufacturing defects in workmanship and materials for a period of two (2) years from the date of shipment of the product, which warranty only covers the original purchaser of the XTIRPA system. The manufacturer will promptly repair or replace all components or parts found to be defective, the manufacturer reserving the right to elect to have any alleged defective part returned to its plant for inspection before making a repair or replacement.

Only components or parts found to be defective by the manufacturer, at its sole discretion and upon any inspection requested and performed by the manufacturer, will either be repaired or replaced by the manufacturer, at its sole choice.

All claims must be forwarded in writing to the manufacturer, immediately upon discovery by owner, and must be accompanied by a copy of the proof of purchase of the original purchaser. The manufacturer will issue a claim's number and give specific instructions to be followed as to claim's procedures and return of the defective part, if so requested by the manufacturer. Owner will collaborate with manufacturer and its representatives to allow inspection of any alleged defective part. All shipping costs to return defective components and parts to the manufacturer's plant are payable by owner, the cost of reshipping replacement components or parts being covered by the manufacturer.

This warranty does not cover equipment damages resulting from any other cause than a manufacturing defect in workmanship or materials, including, without limitation, damages resulting from abuse, lack of maintenance, improper handling or storage, voluntary damages, vandalism, accidental damages or damages resulting from impact or collision, damage in transit, damages caused by fire, explosion, chemical, toxic or corrosive vapors, substances or environments, water, normal corrosion and rust, storms, hail, and other acts of God, war, insurrection, acts of terrorism or other damage beyond the control of the manufacturer. 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. Without limiting the generality of the foregoing, the manufacturer will not be liable nor responsible for any other cost, damages or claims whatsoever, including for any special, incidental, indirect, or consequential damages whatsoever such as, but not limited to, damages for loss of profits or expected revenues, for business interruption, for personal injury, for failure to meet any duty including of good faith or of reasonable care, for negligence, and for any other pecuniary or other loss whatsoever, arising out of or in any way related to the use of or inability to use the XTIRPA system, even in the event of the fault, tort (including negligence), strict liability, breach of contract or breach of warranty, even if the manufacturer has been advised of the possibility of such damages. The manufacturer hereby disclaims all other warranties and conditions, either express, implied or statutory, including, but not limited to, any implied warranties or conditions of merchantability, of fitness for a particular purpose or application, and of lack of negligence or lack of workmanlike effort.

IMPORTANT: The buyer must fill out and return the Limited Warranty registration form for each product.

XTIRPA SYSTEM DESCRIPTION

WARNING

The XTIRPA system is part of a personal fall arrest, work positioning, personnel riding, material handling or rescue system for use in confined spaces. The XTIRPA system is intended to act as a support structure or anchorage for these uses. The user must read, understand and follow manufacturer's instructions for each component or part of the complete XTIRPA system. These instructions must be provided to the user of the XTIRPA system. The user must read and understand these instructions before using the XTIRPA system. manufacturer's instructions must be followed for proper use and maintenance of the XTIRPA system. Alterations or misuse of the XTIRPA system or failure to follow instructions may result in serious injury or death, for which manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against manufacturer and derived there from.

DESCRIPTIONS:

- EXTENDABLE DAVIT ARM 762MM-1219MM (30" - 48") : IN-2237 (illustration 1)
- 102MM (4") MAST FOR DAVIT-ARM IN-2237 1067MM (42") HEIGHT: IN-2240 (illustration 2)
- 102MM (4") MAST FOR DAVIT-ARM IN-2237 1524MM (60") HEIGHT: IN-2313 (illustration 3)
- MAST FOR DAVIT ARM 30" TO 48" 500MM (19.7) HIGH: IN-2426 (illustration 4)
- REMOVABLE WINCH ADAPTER FOR DAVIT ARM IN-2237: A2237-06 (illustration 5)
- 102MM (4") FLOOR ADAPTER (INOX 304): IN-2238 (illustration 6)
- 102MM (4") MURAL ADAPTER (INOX 304): IN-2253 (illustration 7)
- 102MM (4") CENTRAL MOUNT FLOOR ADAPTER (INOX 304): IN-2254 (illustration 8)
- 102MM (4") FLOOR ADAPTER (ZINC PLATED): IN-2302 (illustration 9)
- 102MM (4") MURAL ADAPTER (ZINC PLATED): IN-2303 (illustration 10)
- AUXILIARY ANCHOR POINT FOR IN-2237: A2237-17 (illustration 11)
- 102MM (4") CENTRAL MOUNT FLOOR ADAPTER (ZINC PLATED): IN-2304 (illustration 12)
- 102MM (4") CENTRAL MOUNT FLOOR ADAPTER: IN-2451 (illustration 13)
- 102MM (4") FLOOR ADAPTER (INOX 316): IN-2452 (illustration 14)
- 102MM (4") MURAL ADAPTER (INOX 316): IN-2468 (illustration 15)
- 102MM (4") TOP WALL ADAPTER 90DEG (STAINLESS STEEL 304): IN-2516 (illustration 16)
- 102MM (4") FLOOR ADAPTER GALVANIZED STEEL: IN-2527 (illustration 17)
- 102MM (4") MURAL ADAPTER (GALVANIZED): IN-2528 (illustration 18)
- 102MM (4") CENTER MOUNT FLOOR ADAPTER (GALVANIZED): IN-2529 (illustration 19)

Illustration 1: IN-2237



Illustration 2: IN-2240



Illustration 3: IN-2313



Illustration 4: IN-2426



Illustration 5:
A2237-06



Illustration 6:
IN-2238



Illustration 7:
IN-2253



Illustration 8:
IN-2254



Illustration 9:
IN-2302



Illustration 10:
IN-2303



Illustration 11:
A2237-17



Illustration 12:
IN-2304

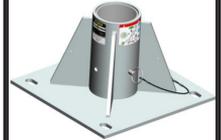


Illustration 13:
IN-2451

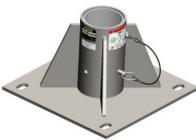


Illustration 14:
IN-2452



Illustration 15:
IN-2468



Illustration 16:
IN-2516



Illustration 17:
IN-2527

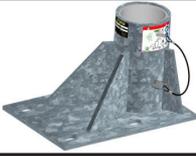
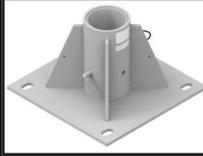


Illustration 18:
IN-2528



Illustration 19:
IN-2529



OPERATION, ASSEMBLY AND USE XTIRPA SYSTEM

WARNING: The XTIRPA system is part of a fall protection, work positioning, personnel handling, material handling and rescue system for use in isolation. The XTIRPA system has been designed to act as a support or anchoring structure for these uses. The user must read, understand and follow the instructions in the manual.

WARNING: The XTIRPA system is part of a personal fall arrest, work positioning, personnel riding, material handling or rescue system for use in confined spaces. The XTIRPA system is intended to act as a support structure or anchorage for these uses. The user must read, understand and follow manufacturer's instructions for each component or part of the complete XTIRPA system. These instructions must be provided to the user of the XTIRPA system. The user must read and understand these instructions before using the XTIRPA system. manufacturer's instructions must be followed for proper use and maintenance of the XTIRPA system. Alterations or misuse of the XTIRPA system or failure to follow instructions may result in serious injury or death, for which manufacturer disclaims all warranties and liabilities whatsoever, user, owner and purchaser of the XTIRPA system waiving all claims, rights and recourses against manufacturer and derived there from.

IMPORTANT: If you have questions on the use, care or suitability of the XTIRPA system for your application, please contact the manufacturer INNOVA Public Utility Products Inc.

IMPORTANT: Record the product identification information from the ID label in the maintenance and inspection log of this instruction and safety manual.

OPERATION AND INSTALLATION OF DAVIT ARM AND MAST system

1. Remove all components and parts from bags, boxes, or shipping container and set all on ground. Make sure that components are in good working condition.

2. Insert mast into a certified approved and recommended anchoring adapter.



3. Install the receptacle of the davit arm on the mast.



4. Install the lifeline cable or rope or winch on mounting bracket made to accept the hoisting device and safely lock with pin attached to the SRL or Winch bracket.



5. A second lifeline or winch can be installed on the jib. Install the lifeline or additional winch on the support of the jib designed to receive this type of equipment. Use the locking pin supplied with the lifeline or winch support and lock everything with the latter.



6. A third lifeline can be installed on the gray "D" anchor point.



7. Remove the retaining pin located at top of davit arm. Pass the lifeline cable or rope into the pulley located at the top end of the davit arm. Be assured that the lifeline cable or rope is well in place.



8. Safely replace the retaining pin.



9. Remove retaining pin located in the mid section of the davit arm .



- 10.** Extend the inner mast to the desired length and lock with the help of the retaining pin.



IMPORTANT: If a material/positioning winch is required, this option will be available by adding an adapter at the bottom part of the davit arm. Following installation of adapter, repeat steps 4-5-6 on installation of material/positioning winch. If you have any questions concerning the use, maintenance or appropriate characteristics of the XTIRPA for your application, please contact the manufacturer INNOVA Public Utility Products Inc.

WARNING: Only adaptors and brackets approved, certified and recommended by the manufacturer are to be used with the XTIRPA system.

WARNING: Always use a Manhole Guard to secure your working area to avoid any fall if necessary.

IMPORTANT: Make sure the lifeline cable or rope is positioned directly over the work area. Use only certified lifeline cable or rope, in perfect working condition, with appropriate specifications, including maximum leverage capabilities, for the intended use of the XTIRPA system.

WARNING: It is imperative to position the XTIRPA system 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 rocks. If you have questions on the use, care or suitability of the XTIRPA system for your application, please contact manufacturer.

WARNING: All system must be immediately remove from service: if the safety of the system is in doubt or the system has stopped a fall. It is imperative not to use the system until a competent person has authorized (in writing) reuse of the system.

WARNING: For all fall protection devices, it is essential, for safety purposes, that anchoring device is always positioned correctly and that the task to perform should be done in a manner to reduce risk of fall and height of fall. Anchoring point and fall protection device should be placed directly over the users position when essential.

WARNING: With the use of a fall protection device, it is essential for safety purposes, to verify the free space required under user on work site before each use to avoid and prevent fall, in case of collision with ground or any other obstacle that could be in the path of the fall.

IMPORTANT: A fall arrest EN 361 harness is the only body grip device that is permitted to be used in a fall arrest system.

IMPORTANT: The harness conforming to EN 361 fall arrest system must be connected to the system lifeline cable or cord by the fall arrest attachment point of the harness conforming to EN 361.

WARNING: The XTIRPA system should only be used with adapters, anchors, connectors (EN 362), pulleys, and other components, parts, and subsystems that are certified, approved, and recommended by the manufacturer. Substitutions or replacements made with adapters, anchors, connectors (EN 362), and other components, parts or subsystems may be incompatible, may jeopardize the safety and reliability of the entire XTIRPA system and may cause serious injury or death, for which the manufacturer disclaims any warranty or liability whatsoever, the user, owner and purchaser of the XTIRPA system waiving all claims, rights and remedies against the manufacturer arising therefrom. The connectors (EN 362) (hooks, carabiners, D-rings) must be able to support a load of at least 5000 12kN for EN-795: 2012 and TS16415: 2013.

WARNING: The instruction and safety manual must be followed for proper use and maintenance of this product. Any alteration or improper use of the XTIRPA system or any of its components or parts or failure to follow the instructions in the manual can cause serious injury or death, for which the manufacturer disclaims any warranty or any liability, the user, the owner and purchaser of the XTIRPA system waiving all claims, rights and remedies against the manufacturer arising therefrom.

KEEP THE FOLLOWING INSTRUCTIONAL AND SAFETY SIGNS CLEAN AND LEGIBLE AT ALL TIMES.

XTIRPA
IN-2337
Davit-Arm 30" to 48"

Standards:
Meets CE standards
EN 795:2012 and TS 16415:2013

Maximum Working Load:
350 lb (164 kg)

Materials:
Aluminum, Stainless Steel, Delrin™

Inspection:
Before each use, inspect the XTIRPA system to determine that it is in perfect working condition. At least once a month, the portable manhole guard and other components of the XTIRPA system should be inspected by a competent person in accordance with the User's instruction and safety manual.

Do not use if inspection reveals a problem, an unsafe or defective condition. Must not be repaired by other than manufacturer or an authorized service center. Not user repairable.

Installation and use:
Ensure that all components and parts are in perfect working condition and working properly. Make sure that your anchoring point and mast are in perfect working condition. Install the davit arm completely over the mast and ensure that it is free to rotate. Install the mounting plates on the davit arm at the desired locations (depending on the winch models). Mount the winches with their supports on the mounting plates and lock with pins. Pass the winch cables through the roller and fixed guides and over the pulley that are on the opposite side of the winch. Adjust as needed the roller guide assembly to obtain a minimum winch cable deflection. It is very important that the winch cables are free to slide through the guides and that there is no pinch points.

Warnings:
For all other mast applications, consult manufacturer or distributor.
Manufacturer's instructions must be followed for proper use and maintenance of this product.
Alterations 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 waiving all claims, rights and recourses against.



Products manufactured by:
Proceq Pacific Entity Products Inc.
1040 boul. Industriel, Granby, QC, Canada J2J 1A4
www.xtirpa.com

XTIRPA 102 rev0 Made in Canada

XTIRPA
IN-2340
Mast

Estándares:
Cumple los estándares de CE
EN 795:2012 y TS 16415:2013

Carga máxima de funcionamiento:
350 libras (164 kg)

Materiales:
Aluminio, acero inoxidable

Inspección:
Antes de cada utilización inspeccione el sistema XTIRPA para determinar si está en perfecto estado de funcionamiento. Al menos una vez al año los componentes del sistema XTIRPA deben ser inspeccionados y documentados por una persona competente de conformidad con el manual de instrucciones y de seguridad del usuario.

No utilice si la inspección revela un problema, una condición no segura o defectuosa. No debe ser reparado más que por el fabricante o un centro de servicio autorizado. No es reparable por el usuario.

Instalación y utilización:
Asegúrese que todos los componentes y partes estén en perfecto estado de funcionamiento y que en efecto, funcionan correctamente. Asegúrese que su punto de anclaje se encuentra igualmente en perfecto estado de funcionamiento. Coloque el soporte del punto de anclaje, de la extensión del mástil y/o del adaptador fijo o móvil, aprobado y certificado. Instale el mástil en su punto de anclaje y asegúrelo con el pasador en todo momento.

Advertencia:
Para toda otra aplicación concenente al mástil, consulte al fabricante o distribuidor.

Siiga todas las instrucciones del fabricante para una utilización y un mantenimiento apropiado de este producto. Toda alteración o mala utilización de este producto, o el no seguir las instrucciones del manual, puede causar lesiones graves o la muerte, por lo que el fabricante o distribuidor declinan toda garantía o responsabilidad cualquiera. Por ende, el usuario, el propietario y el comprador del sistema XTIRPA renuncian a todas las reclamaciones, derechos y recourses en contra del fabricante o distribuidor.



Products manufactured by:
Proceq Pacific Entity Products Inc.
1040 Boul. Industriel
Granby, QC, Canada J2J 1A4
www.xtirpa.com

XTIRPA 102 rev0 Made in Canada

XTIRPA
IN-2313
Mast

Standards:
Meets CE Standards
EN 795:2012 and TS 16415:2013

Maximum Working Load:
350 lb (164 kg)

Materials:
Aluminum, Stainless Steel

Inspection:
Before each use, inspect the XTIRPA system to determine that it is in perfect working condition. At least once a month, the portable manhole guard and other components of the XTIRPA system should be inspected by a competent person in accordance with the User's instruction and safety manual.

Do not use if inspection reveals a problem, an unsafe or defective condition. Must not be repaired by other than manufacturer or an authorized service center. Not user repairable.

Installation and use:
Ensure that all components and parts are in perfect working condition and working properly. Make sure that your anchoring point is in perfect working condition. Remove retaining pin of the anchor adapter, mast extension or/and approved and certified fixed or mobile adapter. Proceed to install base of mast into desired receptacle and lock system using the retaining pin at all times.

Warnings:
For all other mast applications, consult manufacturer or distributor.
Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations 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 waiving all claims, rights and recourses against manufacturer and distributor, delivered there from.



Products manufactured by:
Proceq Pacific Entity Products Inc.
1040 Boul. Industriel
Granby, QC, Canada J2J 1A4
www.xtirpa.com

XTIRPA 102 rev0 Made in Canada

XTIRPA IN-2426
Mast

Standards:
Meets CE standards
EN 795:2012 and TS 16415:2013

Maximum Working Load:
350 lb (164 kg)

Materials:
Aluminum, Stainless Steel

Inspection:
Before each use, inspect the XTIRPA system to determine that it is in perfect working condition.
At least once a month, the portable manhole guard and other components of the XTIRPA system should be inspected by a competent person in accordance with the User's instruction and safety manual.

Do not use if inspection reveals a problem, an unsafe or defective condition. Must not be repaired by other than manufacturer or an authorized service center.

Not user repairable.

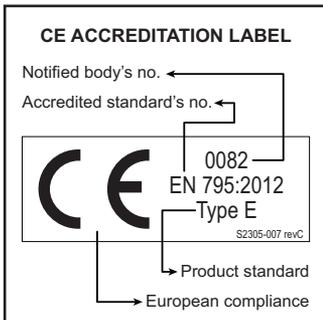
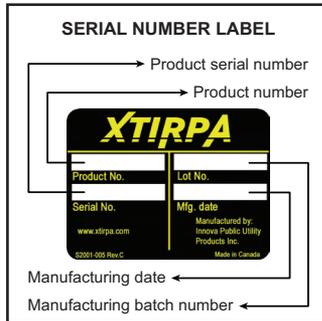
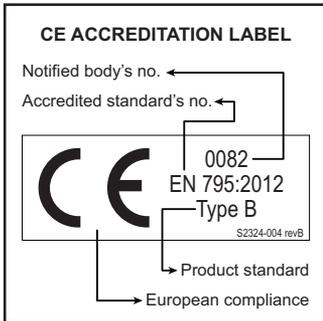
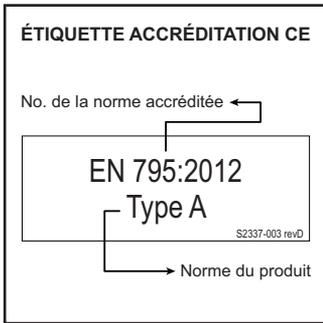
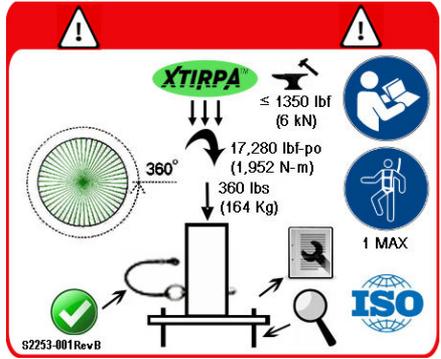
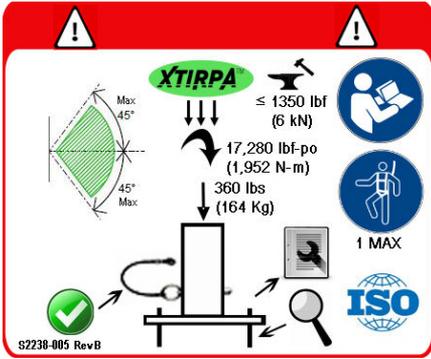
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Warnings:
For all other mast applications, consult manufacturer or distributor.
Manufacturer's instructions must be followed for proper use and maintenance of this product.
Alterations or misuse of this product or failure to follow instructions may 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 waiving all claims, rights and recourses against manufacturer and distributor delivered there from.



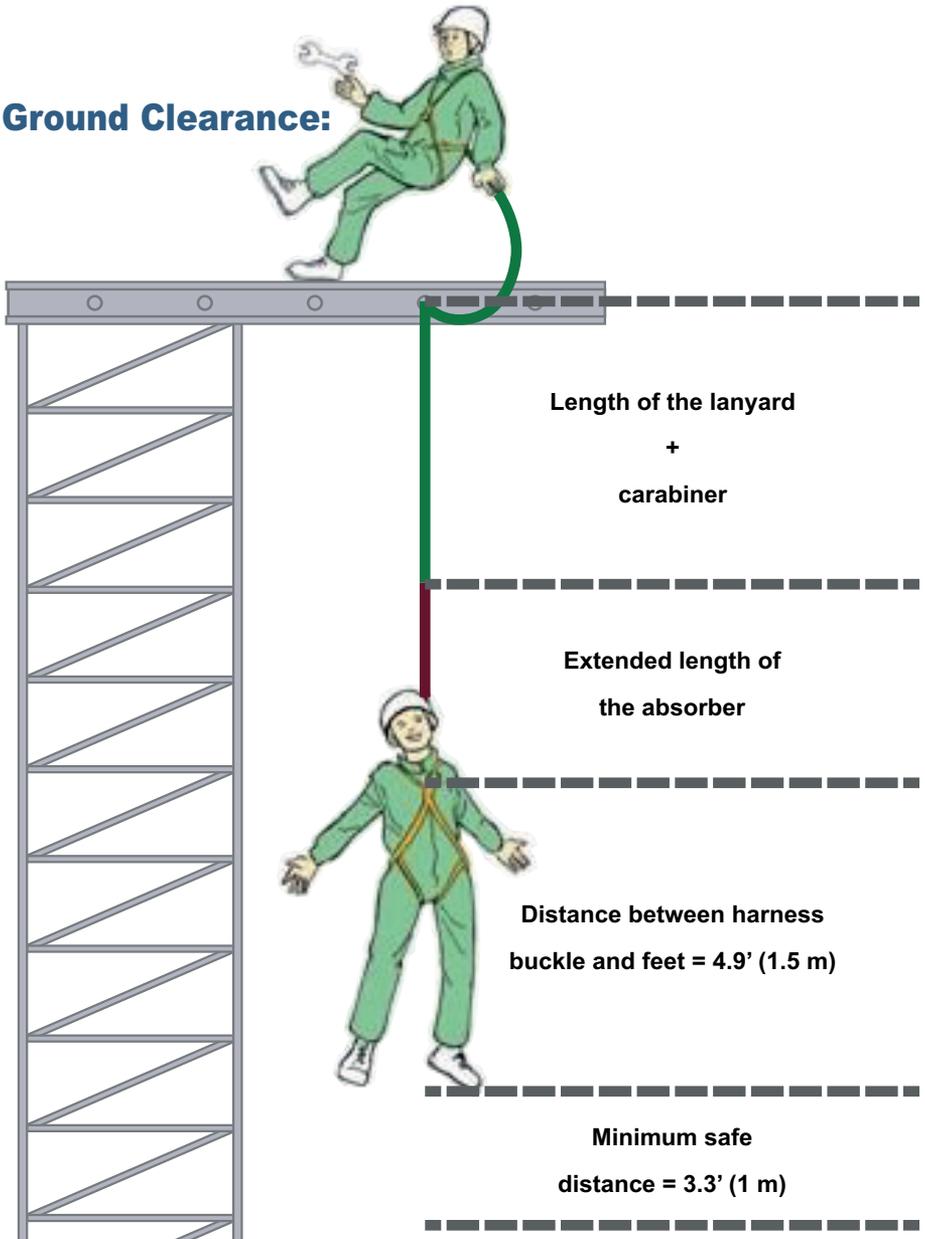
Products manufactured by:
Proceq Pacific Entity Products Inc.
1040 Boul. Industriel
Granby, QC, Canada J2J 1A4
www.xtirpa.com

XTIRPA 102 rev0 Made in Canada



-8-
CALCULATION DIAGRAM

Ground Clearance:



Pay attention to the distance to the ground!

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: _____

Position: _____

Do you wish to be on Innova's mailing list

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

XTIRPA™

CONFINED SPACE SAFETY SOLUTIONS

Head Office and Manufacturing Plant

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

Phone: 450.777.1240
Toll free: 1.800.461.1937

www.xtirpa.com



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MU8005-012ENG rev04