

XTIRPA

**INSTRUCTION AND SAFETY MANUAL
XTIRPA™ TRAILER HITCH MOUNT SYSTEM FOR
PPE**

**UNIVERSAL RESCUE SYSTEM
IN-8007**

XTIRPA™



Innova
Produits de Services Publics - Public Utility Products inc.

TO BE READ AND UNDERSTOOD BY USER PRIOR TO EACH USE

INNOVA Public Utility Products Inc., 1040 BOUL. INDUSTRIEL, GRANBY, QUEBEC, CANADA
Tel (450) 777-1240 Fax (450) 372-9936 www.xtirpa.ca

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.

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,B and E standard.

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

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-8007, including components: Mast, Davit Arm, Coupling system, counterweight, adapter and optional accessories, conforms to document number MU8007-002ANG Rev2 2017.

APAVE SUDEUROPE SAS (Headquarters: 8 rue Jean-Jacques Vernazza—Z.A.C. Saumaty-Séon - CS 60193 - 13322 MARSEILLE CEDEX 16) is the notified body involved in the initial production and certification control phase.

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 should be used by a single user.

-1-

APPLICATION

The **XTIRPA™** System, and its many components and parts (including davit arm, manhole guard, movable adapter, permanent adapter, integrated mast and side entry cart), 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 for this product is 360 lbs (164 kg).
According to (ANSI, OSHA, CSA).

According to **EC** (EN 795: 2012), use an EN-360 and/or EN-363 fall protection system or an EN-1496 recovery system.

- b) The manufacturer attests that anchoring devices have been tested accordingly to the current European standard (EN 795:2012 Type A, Type B and Type E) and, except otherwise stipulated, they are to be used by a single person using a shock absorber in accordance with regulation 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: Equipment shall not be used past its capacity, or in any other applications for which the equipment was not designed.

WARNING: The equipment must be used by a person that has been trained and is competent to use the equipment 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). These people must be qualified and trained on the **XTIRPA™** System. They must have read and understood this instruction and safety manual before using the **XTIRPA™** System. One person works in the confined space (the user attached to the lifeline cable or rope) and the other (attendant) pays out the line and reels it in, keeps in 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 EN 361-compliant 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 certified EN-361 compliant full body harness and lifeline cables and ropes for any user of the **XTIRPA™** System, with appropriate specifications designed and recommended for use in specialized work conditions such as those for which the **XTIRPA™** System is intended to be used as per this instruction and safety manual. For the installation of lifeline cables and ropes on the certified 12kn anchor points of the davit arm, see section 6 paragraphs 3 through 5.

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 affixed 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 only one person.

- k) Do not exceed 360lbs (164kg) when davit arm is in use with mast and adapter.
- 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 the manufacturer or its certified trainers is not qualified to operate the **XTIRPA™** System and does it at their sole risk, therefore waiving any and all claims, rights and recourses against the manufacturer and derived therefrom.
- n) Make sure to conform to relative demands regarding anchoring devices (E.g.: floor adapter, wall adapter, built-in, etc.) or ensure that the chosen structure that will be used has an anchoring point, and keep in mind minimal required resistance, equivalency and position.

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

- o) The maximum force that can be applied by the system to the structure is a vertical force of 22kN (5000 lbf) according to CSA, ANSI, OSHA or 12kN according to EN362, EN795 CE from the anchor when the system is placed.

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 put in place in order to account for all likely emergencies that could occur while working.

WARNING: Any modification or addition to the equipment cannot be done without the prior written consent of the manufacturer, and any repairs must be undertaken in accordance with the manufacturer's procedures.

WARNING: This equipment (system) is reserved for the use of one person at a time.

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.

IMPORTANT: The assembly compatibilities identified on pages 11 to 15 must be followed.

Only assemblies shown within this manual are allowed.

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: During use, the coupling system must be kept level by using the adjustable support legs. Make sure that the support legs can support the weight at all times.

- 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.

IMPORTANT: It is imperative to never use this system, both with personnel and for material handling purposes.

- 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 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.
- c) Connectors (EN 362) (hooks, carabiners, D-rings) must be able to support a capacity of at least 5000lbs (2273Kg).
- 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 the 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) The vehicle coupling system must be positioned directly over the work area.

IMPORTANT: During use, the extendable coupling system for vehicles and XTIRPA™ counterbalanced trucks must be raised completely with the adjustable support legs. The moving wheels must never be in contact with the ground.

- h) A person who has not read the instruction and safety manual, has not 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 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.
- i) Refer to and follow applicable ANSI, OSHA, CSA, CE or other standards and local regulations. Comply with all requirements of your local regulations for your applications.
- j) See other important operation instruction and safety information contained hereafter in this instruction and safety manual.
- k) It is imperative to supply all information in sufficient quantity to assure that different equipment articles are compatible when assembled as a system.

WARNING: It is possible that a hazard may occur while using multiple components, as one of them could affect the safety function of the system, if the safety function of one component can be affected by that of another component.

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 periodic inspections and all associated repair instructions written in the native language of the country in which the product will be used. It is also required to supply all specific additional information for the equipment.

WARNING: Any persons with a medical condition which could cause a hazard to the user during normal operation and in emergency situations should avoid using the system.

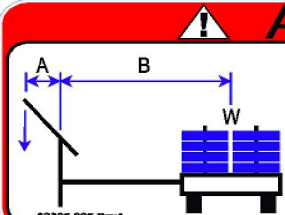
- l) Life expectancy of the **XTIRPA™** System and its components will be determined based on the conclusions of periodic and monthly inspections which will determine whether or not the product may remain in service.

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.

- m) Always use a bubble level to ensure that the system is level.

WARNING: When using a counterbalanced truck, all the instructions regarding the weights required for specific applications must be followed. (see table below)

 ATTENTION			
Portée Maximum Potence	Centre Du Mât Au centre du chariot	Poids Total Requis	Nb de Plaques de 50 lb (20Kg)
A pouces (mm)	B pouces (mm)	W Lb (Kg)	
24 (610)	64 (1626)	1500 (682)	30
24 (610)	79 (2007)	1200 (546)	24
24 (610)	133 (3378)	800 (364)	16
48 (1219)	96 (2438)	2000 (909)	40

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) ANSI, OSHA, CSA and CE require a regular inspection program for all confined space entry/retrieval equipment and to maintain documented results of these inspections. Use the maintenance and inspection logs included in this instruction and safety manual to document the 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 or an unsafe or defective condition is found during the inspection. Return to an authorized service center or the manufacturer for service.
- f) Replacement components and parts and additional maintenance and servicing procedures must be completed by an authorized service center which has been approved by the manufacturer, or by the manufacturer itself.
- g) If the adjustable support legs of the coupling system for vehicles and counterbalanced trucks do not move freely, they must be lubricated with a light machine oil.
- h) 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.
- i) Periodically clean the exterior of the davit arm and base, using water and mild detergent. Clean labels as required.

WARNING: A periodic inspection must take place at least once every twelve months.

- j) When lowering the removable system, it is important to slowly place the system on the ground, to avoid damaging components.
- k) 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.
- l) The **XTIRPA™** System and its components was designed for 10 years of continuous service. The life expectancy of the **XTIRPA™** System and its components will be determined after periodic and monthly inspections that will determine whether or not the product may remain in service.
- m) All components and parts of the **XTIRPA™** System should be stored in separate bags to facilitate transport and handling.

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. 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 handling, material handling or rescue system for use in confined spaces. The **XTIRPA™** System is intended to act as a support structure or anchor for these uses. 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 the **XTIRPA™** System. Alterations or misuse of the **XTIRPA™** System 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 assembly compatibilities identified on pages 11 to 15 must be followed.

Only assemblies shown within this manual are allowed.

DESCRIPTIONS

(See illustrations on following page)

EXTENDABLE COUPLING SYSTEM FOR VEHICLES: *IN-2126 / IN-2204* (see illustration 1)

DAVIT ARM WITH SECONDARY BLOCK 610mm (24") : *IN-2210* (see illustration 2)

76MM (3") MAST FOR DAVIT ARM IN-2210 : *IN-2003* (see illustration 3)

TYPICAL SET: *IN-8007* (see illustration 4)

UNIVERSAL VEHICLE COUPLING JOINT : *A2126-07* (see illustration 5)

1829MM (72") EXTENSION FOR VEHICLE COUPLING : *A2126-09* (see illustration 6)

90° EXTENSION FOR VEHICLE COUPLING: *A2126-10* (see illustration 7)

ADAPTER FOR COUNTERBALANCED TRUCK 51MM-89MM (2"-3.5") : *A2126-38* (see illustration 8)

ANCHORING ADAPTER FOR VEHICLE COUPLING : *A2126-21* (see illustration 9)

C-CLAMP FOR VEHICLE COUPLING : *A2126-14/ A2126-33* (see illustration 10)

COUNTERBALANCED TRUCK : *A2305-07* (see illustration 11)

UNIVERSAL WALL ADAPTER FOR VEHICLE COUPLING : *IN-2348* (see illustration 12)

90° 8" (213 MM) UNIVERSAL ADAPTER EXTENSION IN-2348 : *A2348-03* (see illustration 13)

90° 12" (305MM) UNIVERSAL ADAPTER EXTENSION IN-2348 : *A2348-05* (see illustration 14)

ATTACHMENT BRACKET FOR BEAM 3-3/4" MAX. : *A2348-08* (see illustration 15)

REINFORCED REDUCER TUBE 2-1/2" TO 2" (ACCS.) : *A2126-57* (see illustration 16)

BALLAST SUPPORT ASSEMBLY: *A2305-65* (see illustration 17)

Illustration 1: IN-2126 / IN-2204



Illustration 2: IN-2210



Illustration 3: IN-2003



Illustration 4: IN-8007



Illustration 5: A2126-07



Illustration 6: A2126-09

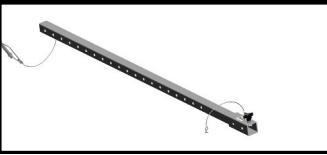


Illustration 7: A2126-10



Illustration 8: A2126-38

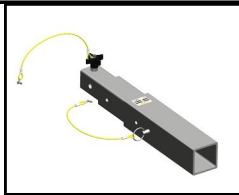


Illustration 9: A2126-21



Illustration 10: A2126-14/A2126-33

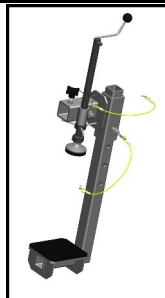


Illustration 11: A2305-07



Illustration 12: IN-2348

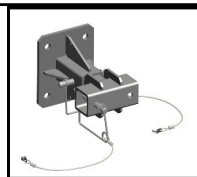


Illustration 13: A2348-03

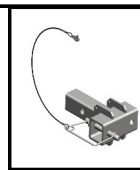


Illustration 14: A2348-05

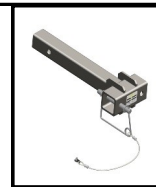


Illustration 15: A2348-08

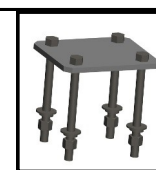
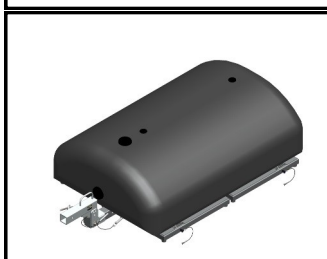


Illustration 16: A2126-57

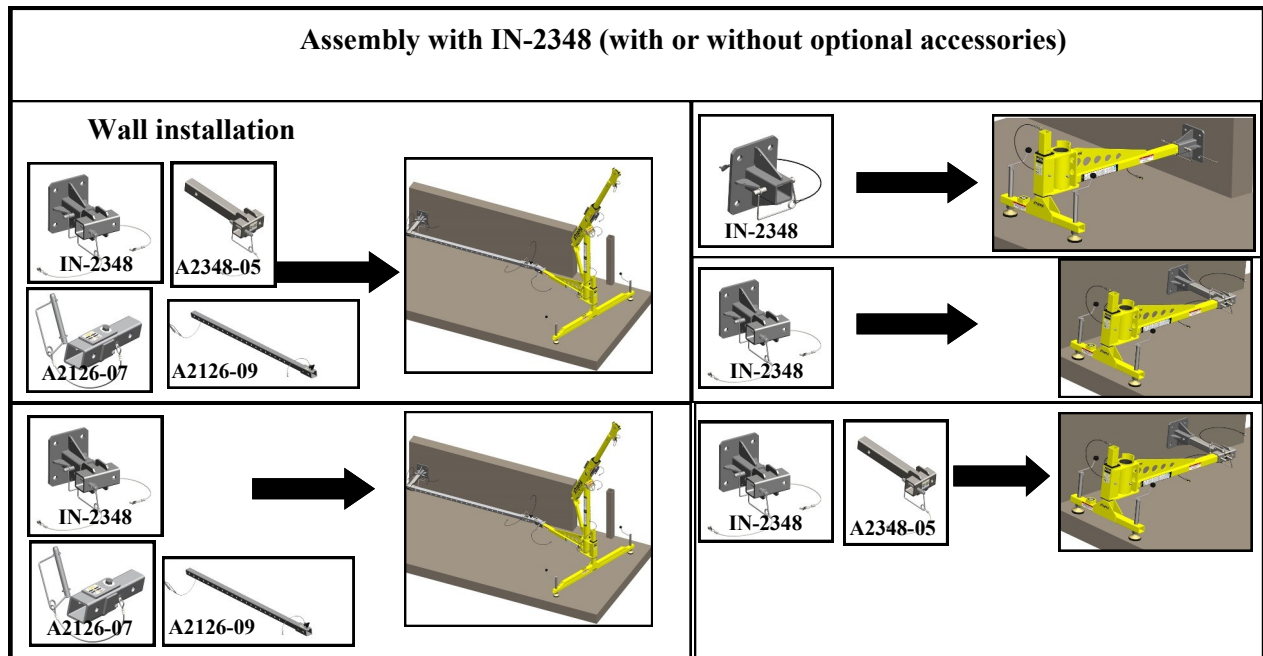
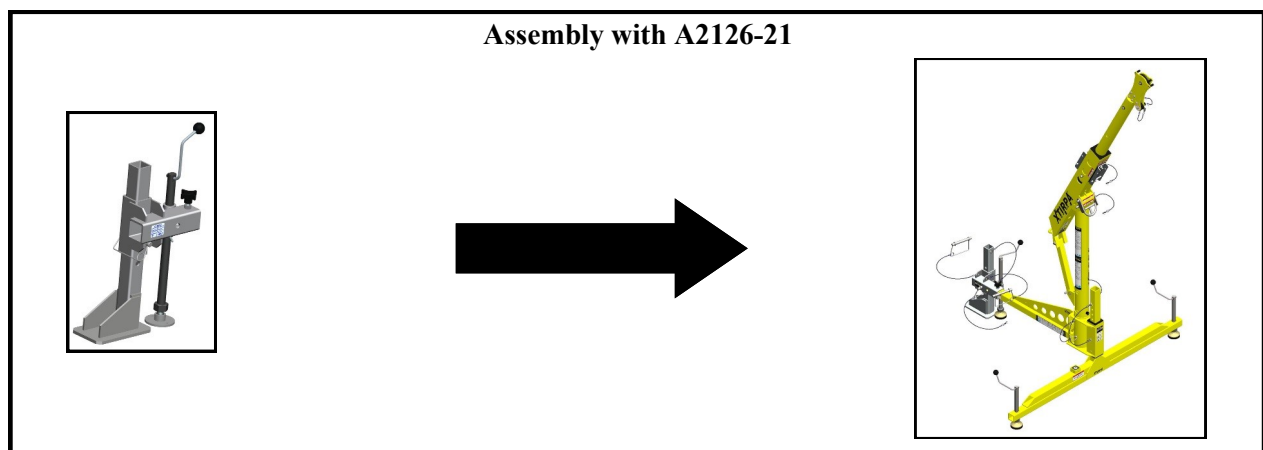
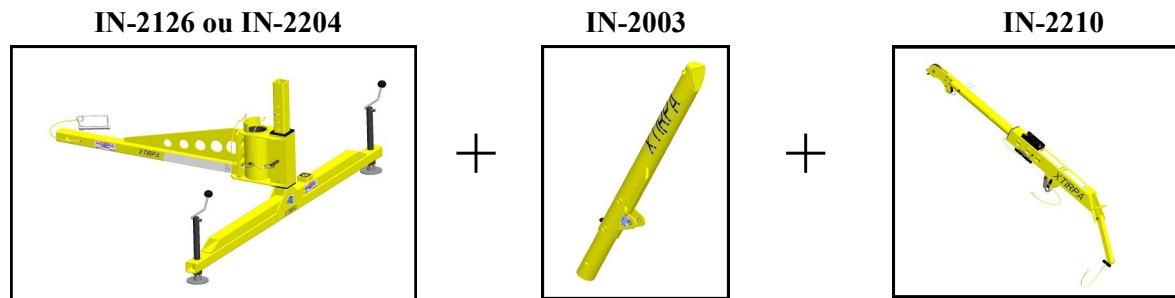


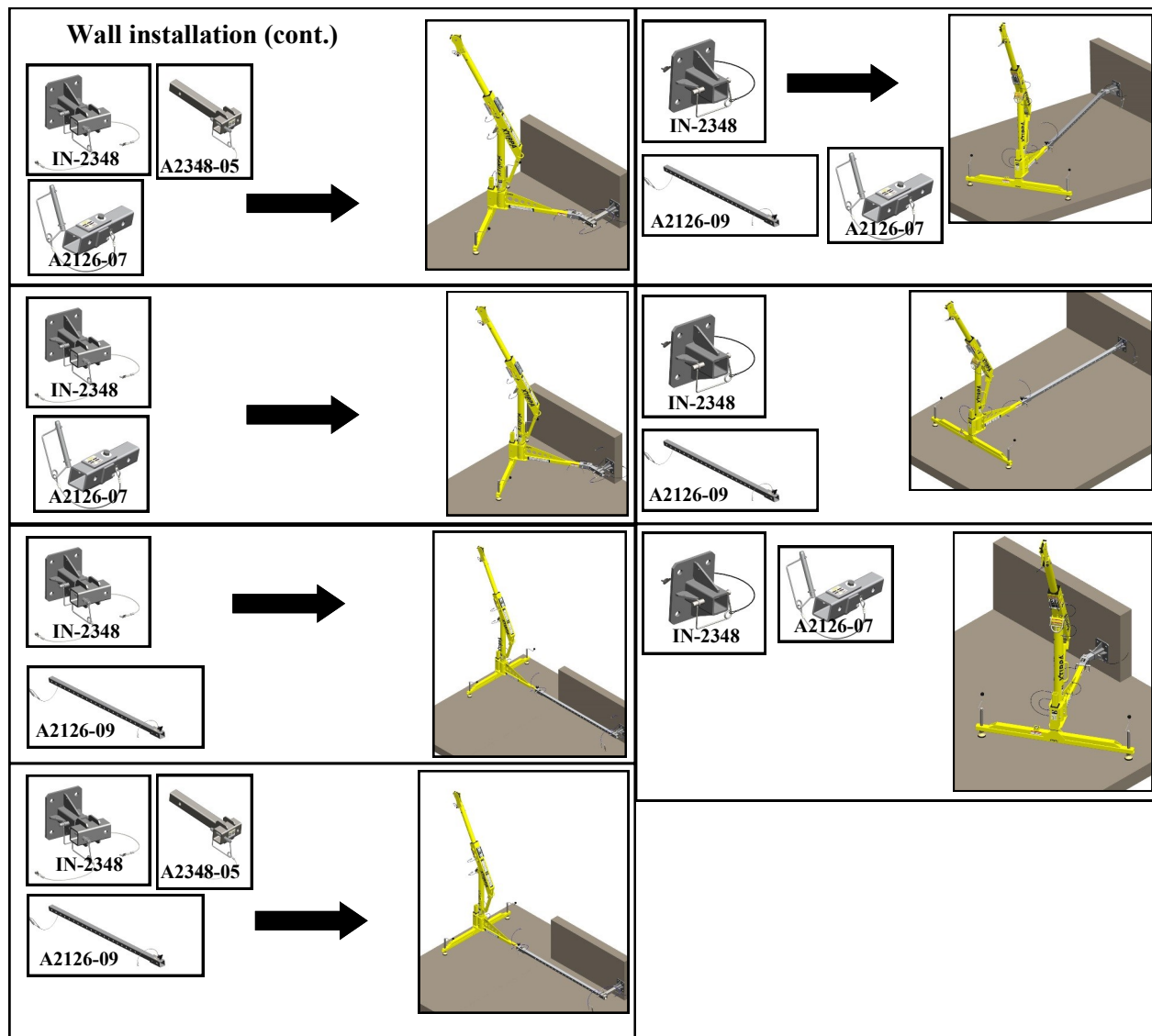
Illustration 17: A2305-65



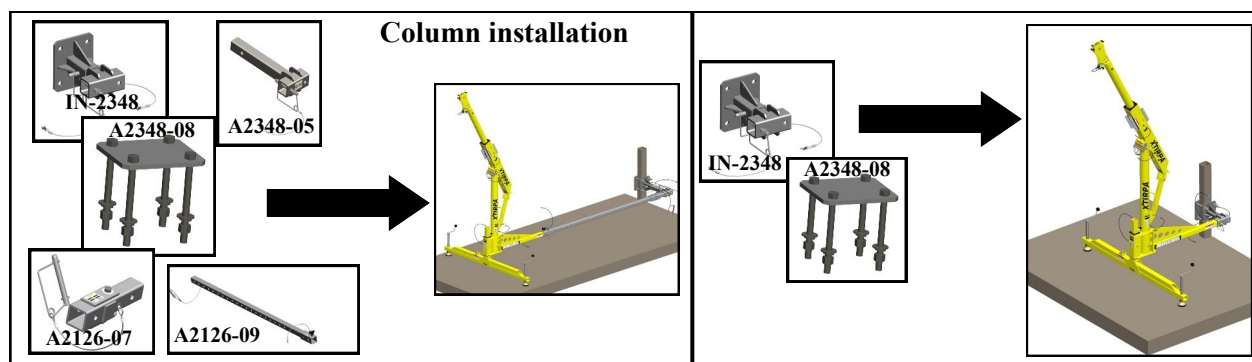
Assembly compatibility for TYPE A

↓Typical composition↓



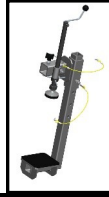


For installation on a column, use above configurations



Assembly compatibility for TYPE B

Assembly with A2126-14 or A2126-33



Without extension

IN-2126 or IN-2204



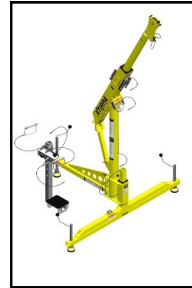
+

IN-2003



+

IN-2210



With extension

IN-2126 or IN-2204



+

IN-2003



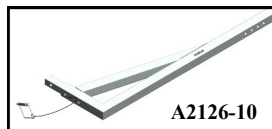
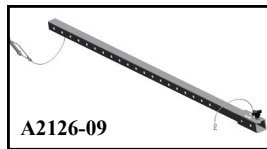
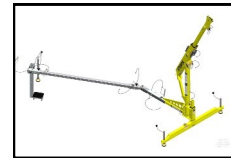
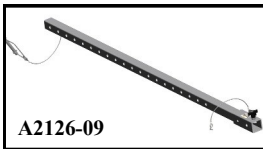
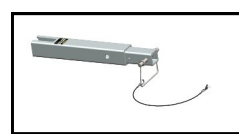
+

IN-2210



+

A2126-29



Assembly on vehicle

Without extension

IN-2126 or IN-2204



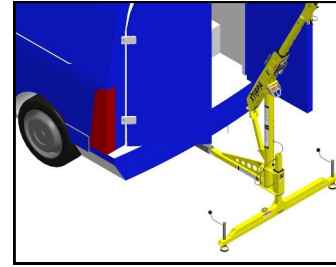
+

IN-2003



+

IN-2210



With extension

IN-2126 or IN-2204



+

IN-2003



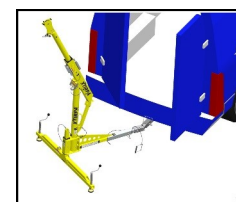
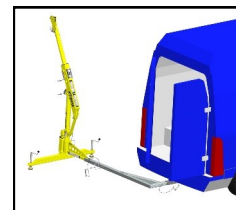
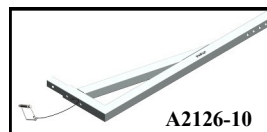
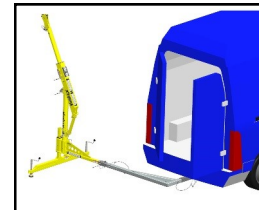
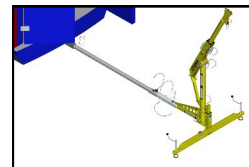
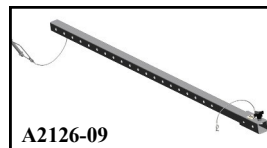
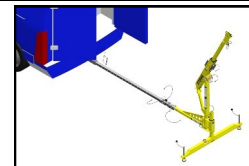
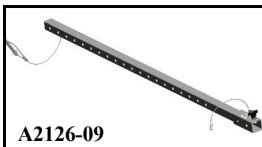
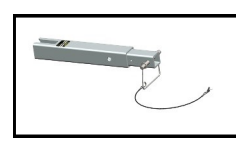
+

IN-2210



+

A2126-29



Assembly compatibility with TYPE E

↓Typical composition↓

IN-2126 or IN-2204



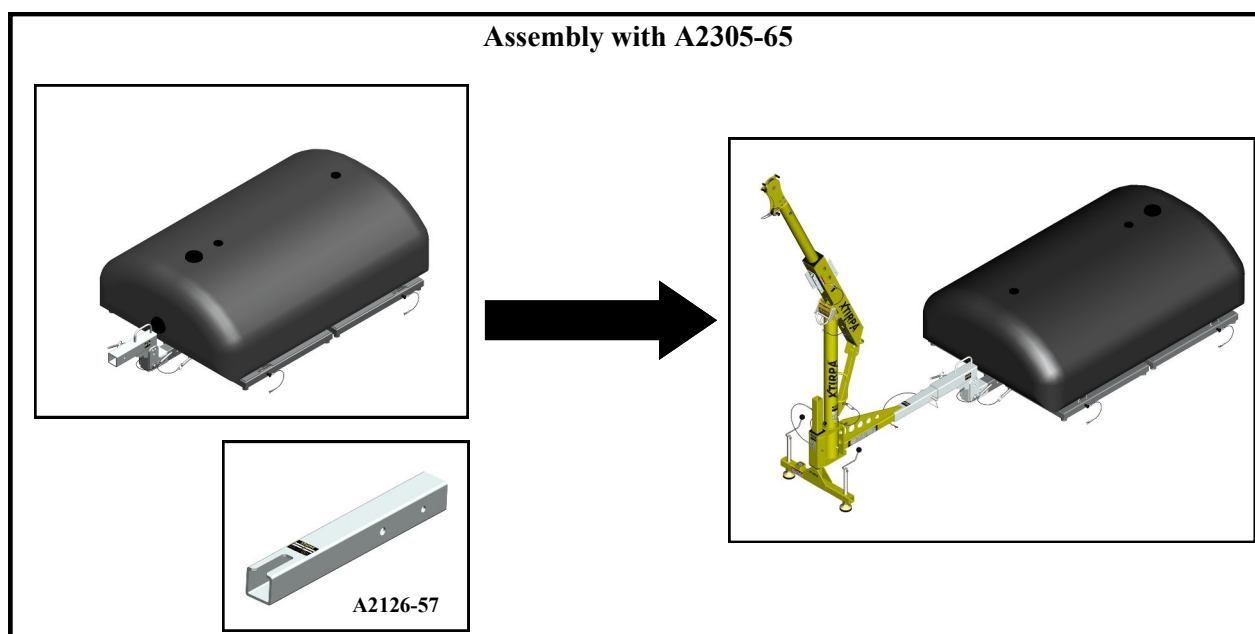
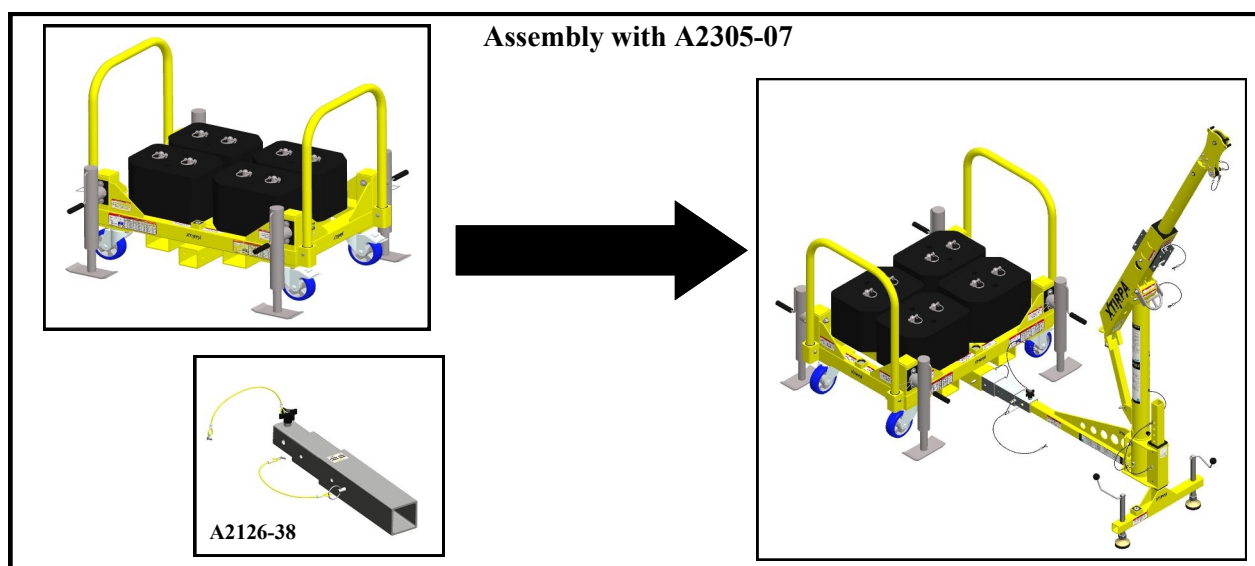
+

IN-2003



+

IN-2210

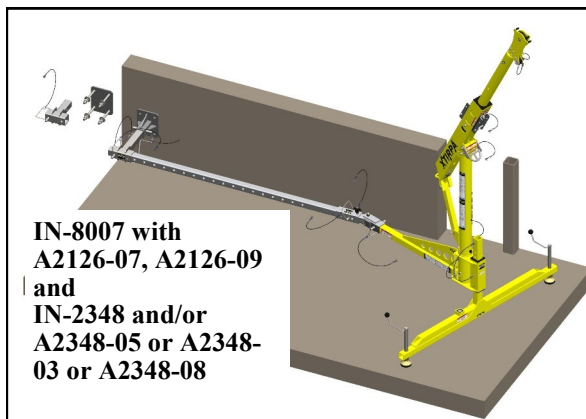


-6- OPERATION, ASSEMBLY AND USE XTIRPA™ SYSTEM

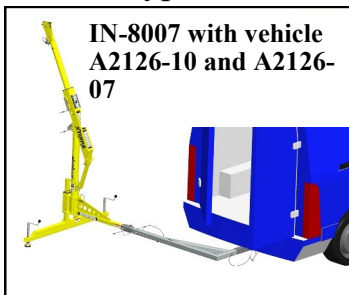
Type A



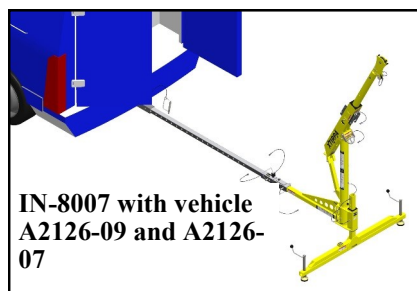
Type A



Type B



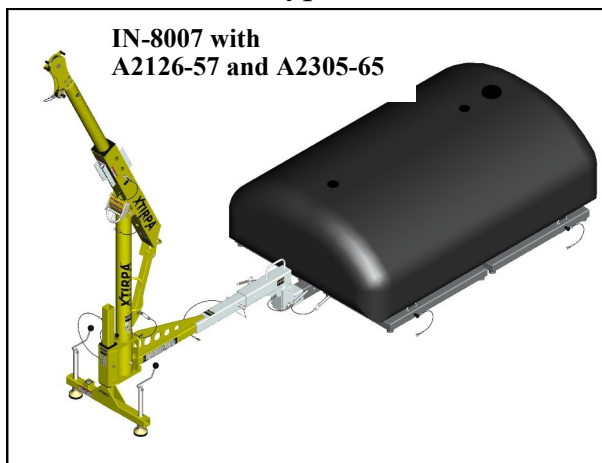
Type B



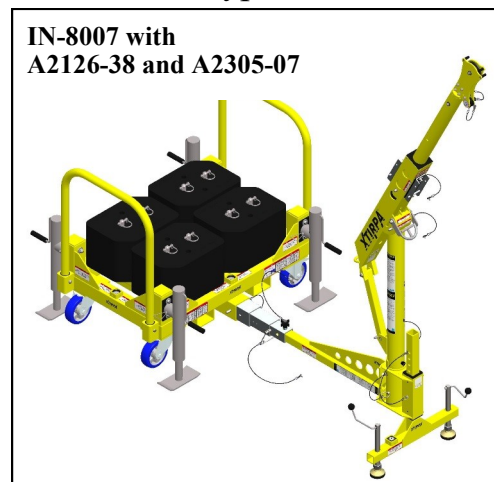
Type B



Type E



Type E



OPERATION, ASSEMBLY AND USE XTIRPA™ SYSTEM

WARNING: The XTIRPA™ System is part of a personal fall arrest, work positioning, personnel handling, material handling or rescue system for use in confined spaces. The XTIRPA™ System is intended to act as a support structure or anchor for these uses. The user must read, understand and follow the manufacturer's instructions for each component or part of the complete XTIRPA™ System.

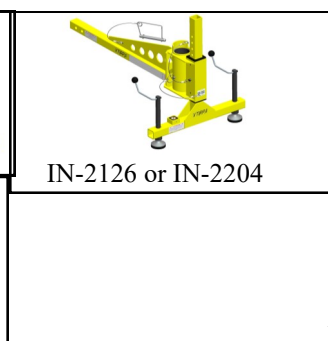
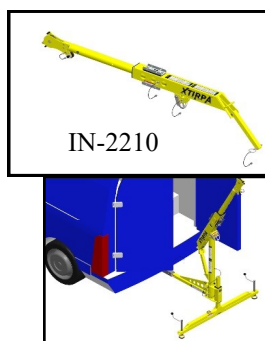
WARNING: These instructions must be provided to the user of the XTIRPA™ System. The user must read and understand these instructions before using the XTIRPA™ System. The manufacturer's instructions must be followed for proper use and maintenance of the XTIRPA™ System. Alterations or misuse of the XTIRPA™ System 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 : 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.

OPERATING AND ASSEMBLY OF TRAILER HITCH MOUNT SYSTEM

1. Make sure that all components and parts are in perfect working order and that everything is functioning correctly. The weight of the vehicle must be greater than or equal to 2727 kg (5000 lb).



2. Insert 50.8mm x 50.8mm (2"x2") tube or any other adapter or connector that has been certified, approved and recommended by the manufacturer into the trailer hitch receptacle.

****The weight of the vehicle must be greater than 2727 kg (5000 lb)****



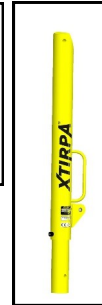
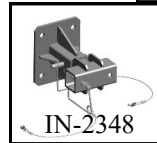
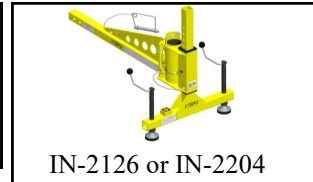
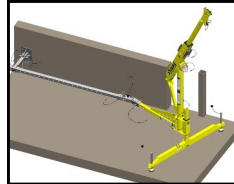
3. Make sure that the tube or other certified, approved and recommend adapter is locked with the locking pin.



IMPORTANT: Ensure that all locking pins are firmly in place.

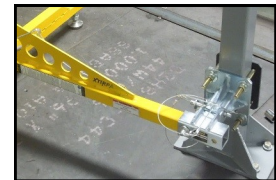
OPERATION AND INSTALLATION OF TRAILER HITCH SYSTEM WITH UNIVERSAL WALL ADAPTER IN-2348

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



IN-2003

2. Insert 50.8mm x 50.8mm (2"x2") tube or any other adapter or connector that has been certified, approved and recommended by the manufacturer into the universal wall adapter receptacle.



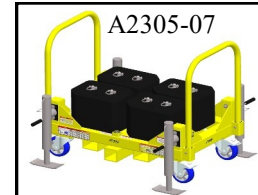
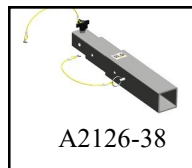
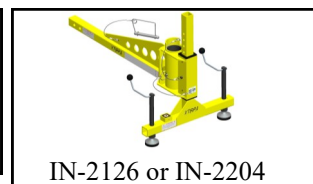
3. Make sure that the tube or other certified, approved and recommend adapter is locked with the locking pin.



IMPORTANT: Ensure that all locking pins are firmly in place.

OPERATION AND INSTALLATION OF TRAILER HITCH SYSTEM WITH COUNTERBALANCED TRUCK (A2305-07)

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

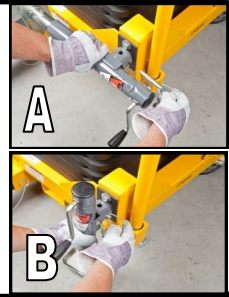


IN-2003

1.

A. Determine the placement of the truck.

B. Remove the pins from the leveling supports and rotate them into a vertical position.



2.

A. Adjust the leveling supports.

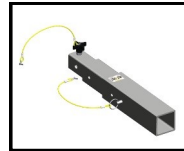
B. Using a bubble level, ensure that the bubble is in the center of the indicator.



WARNING: During use, the counterbalanced truck must be raised so that the wheels are not in contact with the ground, only the leveling supports.

3.

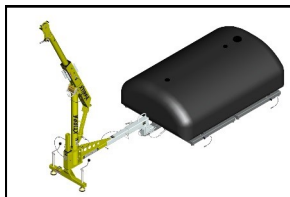
Insert A2126-38 adapter into receptacle in center of truck and lock with pin.



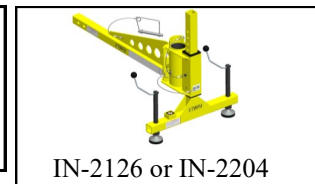
IMPORTANT: Ensure that all locking pins are firmly in place.

OPERATION AND INSTALLATION OF TRAILER HITCH MOUNT SYSTEM WITH BALLAST SUPPORT ASSEMBLY (A2305-65)

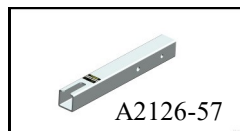
1. Make sure that all components and parts are in perfect working order and that everything is functioning correctly.



IN-2210



IN-2126 or IN-2204



A2126-57



A2305-65

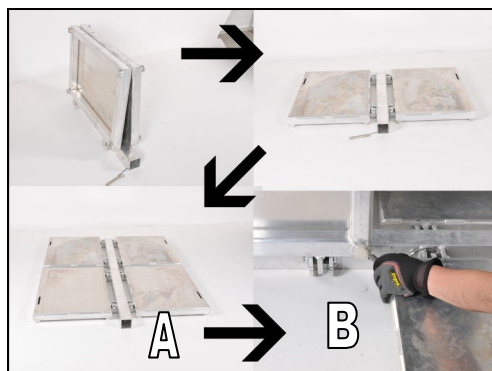


IN-2003

2.

A. Assemble the two parts of the tank platform.

B. Attach the two parts of the platform with pin.



3. Attach the water tank with the 4 pins situated on the edges of the platform.



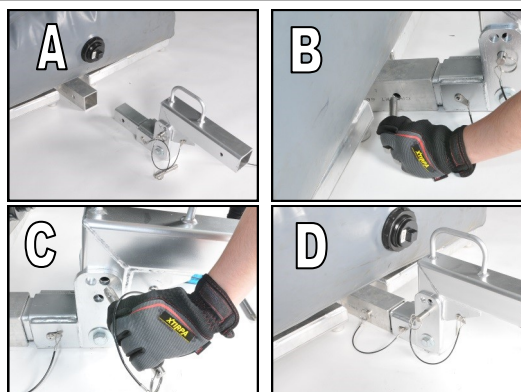
4.

A. Insert extension on the front of the platform.

B. Lock with the pin.

C. If necessary, adjust the angle ± 5 degrees.

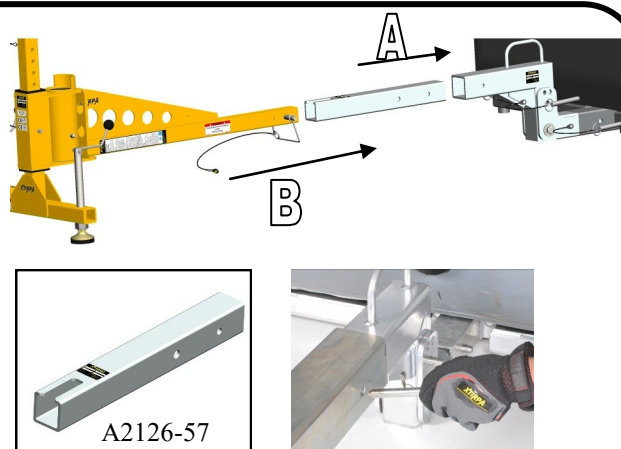
D. Lock angle with pin.



5.

A. Insert the adapter (A2126-57), with the groove face up, into the platform's adapter and lock with pin.

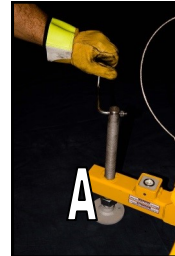
B. Insert the extendable vehicle coupling system (IN-2126 / IN-2204) into the adapter and lock with pin.



IMPORTANT: Ensure that all locking pins are firmly in place.

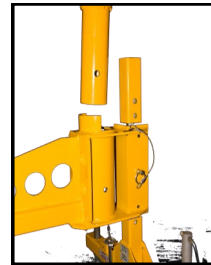
LEVELING THE TRAILER HITCH SYSTEM

4. Remove locking pin and adjust the height of the trailer hitch so that the mast receptacle is in a horizontal position. Proceed to stabilize the system with the adjustable support legs (A). Make sure that the level bubble is in the center of the indicator (B).



INSTALLATION OF MAST AND DAVIT ARM WITH VEHICLE COUPLING SYSTEM

1. Insert mast into mast receptacle and lock with pin.

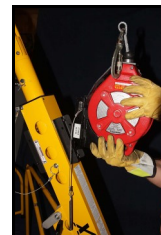


2. Remove the two handle pins from their location (A, B). Next, install the davit arm receptacle on the mast.

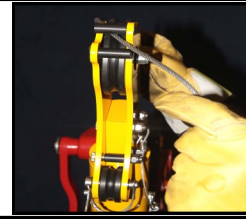


3. Lock all with the first handle pin (A) then install the inferior leg of the davit arm between the eyelets of the mast and lock with the second handle pin (B).

4. Install the lifeline cable or rope or winch on mounting bracket made to accept the hoisting device. Pass the lifeline cable or rope through the pulley located at the top end of the davit arm (A). Make sure that the cable or rope is securely in place.



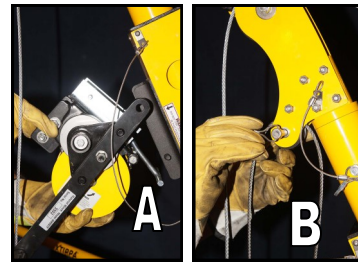
5. Pass the lifeline cable or cord or winch through the pulley at the end of the davit arm. Make sure that the cable or cord has been passed through securely and is well in place.



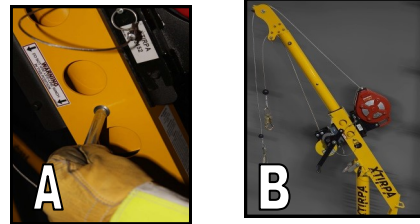
WARNING: Never use a winch or lifeline for fall protection when positioned below the davit arm.

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

6. If a material / positioning winch is required, use the bottom mounting bracket located under the davit arm. Install winch to mounting bracket and lock with pin attached to winch. (A) Remove the small pulley locking pin. Position cable over pulley and re-install pulley using locking pin. (B)



7. Remove locking pin located in the mid section of the davit arm. (A) Extend the inner mast to full extension (B). Replace locking pin to secure the davit arm (A).



IMPORTANT: Make sure that the lifeline cable or rope is directly positioned above the working area. Only use certified lifeline cables or ropes in perfect condition, that have the appropriate specifications, including maximum lifting capacity, for the intended use of the **XTIRPA™** system.

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 the use or maintenance or whether the **XTIRPA™** System is appropriate for your job, please contact the Manufacturer PSP INNOVA INC.

WARNING: After adjusting the base to the desired length, the system must be raised so that the wheels do not come in contact with the ground. Only the adjustable support legs should be used to raise the base.

IMPORTANT: If necessary, secure the work area with a manhole guard to prevent falls.

IMPORTANT: A harness in accordance with EN 361 is the only body support device allowed to be used for fall protection.

WARNING: The instruction and safety manual 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.

WARNING: Any system must be immediately removed from circulation if its safety is questioned, or if it was used to stop a fall. It is imperative not to use the system before a competent person authorizes in writing the integrity of the product before its reuse.

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

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



WARNING: The **XTIRPA™** System must be used only with adapters, anchors, connectors, pulleys, other components, parts and subsystems certified, approved and recommended by the manufacturer. Substitutions or replacements made with non-approved adapters, anchors, connectors, other components, parts or subsystems may be incompatible, and may jeopardize the safety and reliability of the complete **XTIRPA™** System and 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 derived therefrom. Connectors (hooks, carabiners, D-rings) must be able to support a capacity of at least 5000 lbs (2273 Kg).

-7-

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

Manufacturer

XTIRPA
IN-2210 Davit Arm

Specifications:
(CSA, ANSI, OSHA)
Maximum Working Load
420lbs (190kg) or
360lbs (164kg) When use with
mast IN-2003.

(CE)
EN 795 : 2012

Materials: Aluminum, Stainless Steel, Delrin(MC).

Standards: Meets ANSI Z359.1-99, OSHA 1910.66, CSA Z259.2.1-98, EN 795:2012

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 both handle pins from their location. Install the receptacle of the davit arm on the integrated mast of the manhole guard or on the mast.
Proceed to install the inferior leg of the davit arm between the eyelets of the manhole guard and/or the mast and lock with the handle pin. Lock the davit arm receptacle onto the manhole guard or mast with handle pin. Install lifeline/winch on mounting bracket and pass cable/rope into the pulley at the top of davit arm. Remove pin located at middle section of davit arm, fully extend inner mast and replace locking pin.
If a material/positioning winch is required, use the bottom mounting bracket located under the davit arm. It is strictly prohibited to use this position with a fall arrest winch.
Remove the small pulley locking pin. Position cable over pulley and re-install pulley using locking pin. Only adaptors and brackets approved, certified and recommended by the Manufacturer are to be used with the XTIRPA™ system.

Warnings:
For all other davit arm 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 derived there from.

Patents:
US 7,213,715 B2
CA 2,479,513
EP 03 744 296.9

Products Manufactured By:
Innova Public Utility Products Inc.
1040 Boul. Industriel, Granby, QC, Canada
J2J 1A4 www.xtirpa.com

S2210-002 RevH Made in Canada

XTIRPA
IN-2003 Mast

Specifications:
(CSA, ANSI, OSHA)
Maximum Working load
360lbs (164kg).

(CE)
EN 795 : 2012

Materials: Aluminum, Stainless Steel.

Standards: Meets ANSI Z359.1-99, OSHA 1910.66, CSA Z259.2.1-98, EN 795:2012

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 adaptor, 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 derived there from.

Patents:
US 7,213,715 B2
CA 2,479,513
EP 03 744 296.9

Products Manufactured By:
Innova Public Utility Products Inc.
1040 Boul. Industriel, Granby, QC, Canada
J2J 1A4 www.xtirpa.com

S2003-002 RevG Made in Canada

XTIRPA
IN-2126 Hitch Mount

Specifications:
(CSA, ANSI, OSHA)
Maximum working load
360lbs (164kg)

(CE)
EN 795:2012

Materials: Aluminum, Steel, Delrin(MC).

Standards: Meets ANSI Z359.1-99, OSHA 1910.66, CSA Z259.2.1-98, EN 795:2012

Inspection:
Before each use, inspect the XTIRPA™ System to determine that it is in perfect working condition.
At least once a month, the XTIRPA™ system components 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 the receptacle of vehicle or structure meets the required specifications. Insert the "T" bar into sleeve support and lock. Insert the XTIRPA™ system into the vehicle receptacle or structure connection and adjust the "T" bar height using locking pin. Adjust the level of the XTIRPA™ system to obtain horizontal position using the two leveling pads and the bubble level. Install the mast into the sleeve and lock. Install the davit arm and the winch as per Manufacturer's recommendations for these products.

IMPORTANT: comply with your legal standard regulations, which apply, when system is attached to a motorized vehicle.
Secure your working area by using a manhole guard to avoid any fall. Refer to user's Instruction and Safety Manual for additional information.

Warnings:
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.

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 derived there from.

Patents:
US 7,213,715 B2
CA 2,479,513
EP 03 744 296.9

Products Manufactured By:
Innova Public Utility Products Inc.
1040 Boul. Industriel, Granby, QC, Canada
J2J 1A4 www.xtirpa.com

S2126-002 RevF Made in Canada

XTIRPA
IN-2204 Hitch Mount

Specifications:
(CSA, ANSI, OSHA)
Maximum working load
360lbs (164kg)

(CE)
EN 795:2012

Materials: Aluminum, Steel, Delrin(MC).

Standards: Meets ANSI Z359.1-99, OSHA 1910.66, CSA Z259.2.1-98, EN 795:2012

Inspection:
Before each use, inspect the XTIRPA™ System to determine that it is in perfect working condition.
At least once a month, the XTIRPA™ system components 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 the receptacle of vehicle or structure meets the required specifications. Insert the "T" bar into sleeve support and lock. Insert the XTIRPA™ system into the vehicle receptacle or structure connection and adjust the "T" bar height using locking pin. Adjust the level of the XTIRPA™ system to obtain horizontal position using the two leveling pads and the bubble level. Install the mast into the sleeve and lock. Install the davit arm and the winch as per Manufacturer's recommendations for these products.

IMPORTANT: comply with your legal standard regulations, which apply, when system is attached to a motorized vehicle.
Secure your working area by using a manhole guard to avoid any fall. Refer to user's Instruction and Safety Manual for additional information.

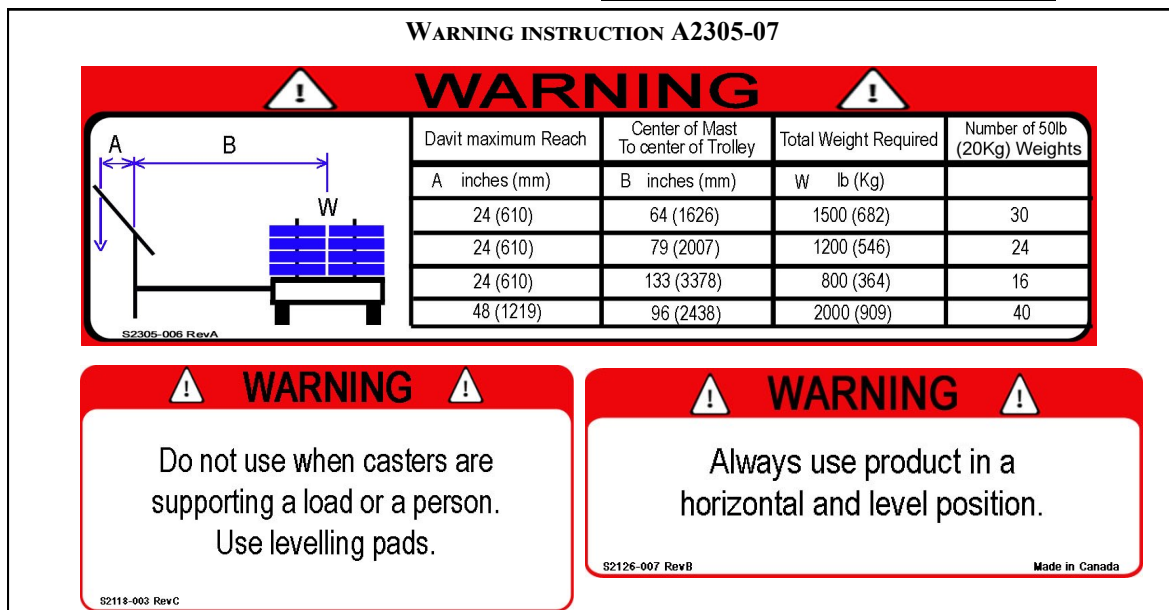
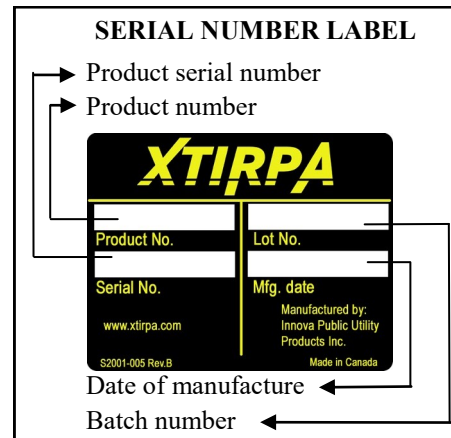
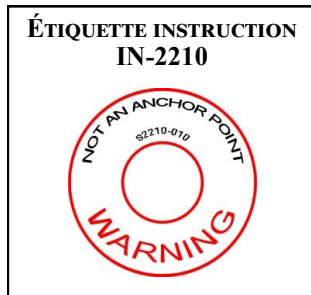
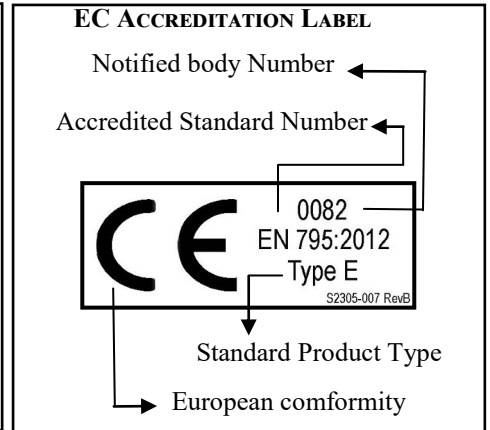
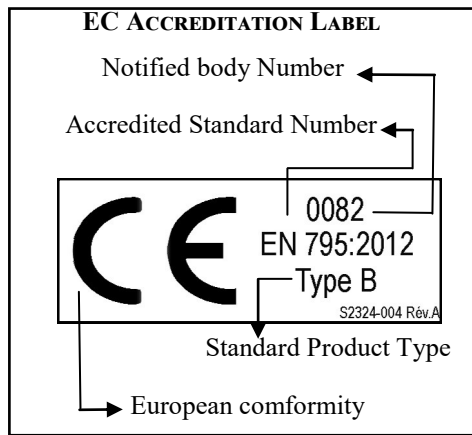
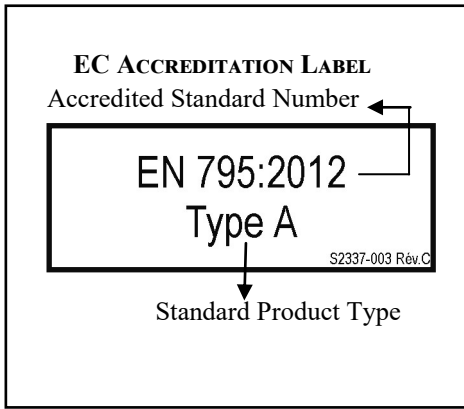
Warnings:
It is imperative to position the XTIRPA™ System on a hard and level surface. Do not use the XTIRPA™ System on Soft ground, such as but not limited to sand, grass, gravel and rocks.

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 derived there from.

Patents:
US 7,213,715 B2
CA 2,479,513
EP 03 744 296.9

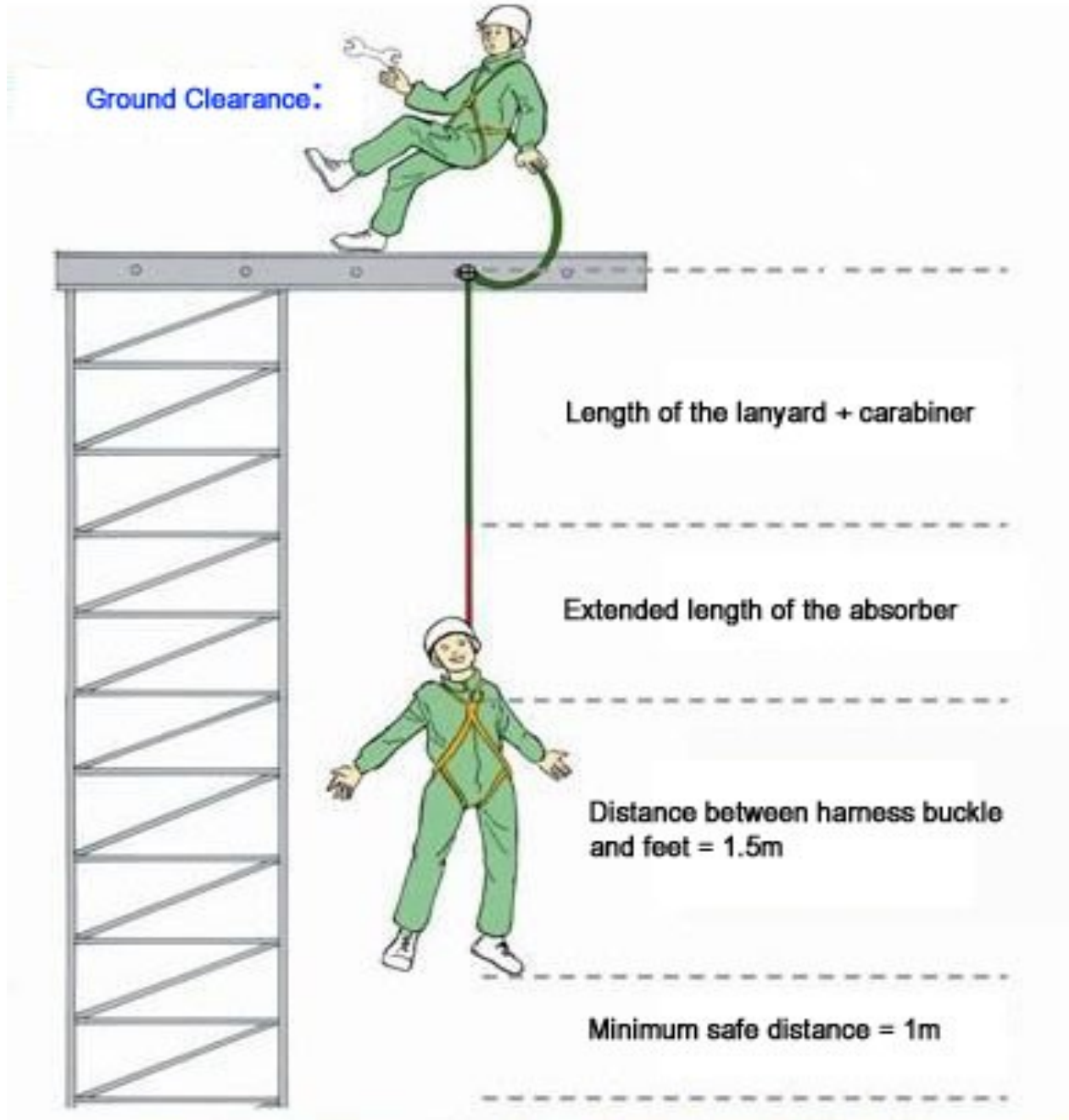
Products Manufactured By:
Innova Public Utility Products Inc.
1040 Boul. Industriel, Granby, QC, Canada
J2J 1A4 www.xtirpa.com

S2204-002 RevF Made in Canada



-8-

Calculation diagram



Pay attention to the distance to the ground!



Registration Limited Warranty Form



Produits de Services Publics - Public Utility Products Inc.

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

XTIRPA PRODUCT

Model number: _____

Serial number: _____

Purchasing Date: _____

Manufacturing Date: _____

CUSTOMER / USER INFORMATION

Company: _____

Street Address: _____

City: _____

State: _____

Zip: _____

Name: _____

Position: _____

Phone: _____

Fax: _____

E-Mail: _____

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 XTIRPA TM 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 XTIRPA TM system waiving all claims, rights and recourses against Manufacturer and derived there from.

Manufactured by: INNOVA Public Utility Products Inc.

1040 boul. Industriel, Granby, Québec, Canada J2J 1A4 Tél: (450) 777-1240 Fax: (450) 372-9936

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 XTIRPA™ 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 XTIRPA™ system waiving all claims, rights and recourses against Manufacturer and derived there from.

Manufactured by: INNOVA Public Utility Products Inc.

Manufactured by: **INNOVATIVE GRANBY PRODUCTS INC.**
1040 boul. Industriel, Granby, Québec, Canada J2J 1A4 Tél: (450) 777-1240 Fax: (450) 372-9936