

BUDDY ROC PRO

XTIRPATM

INSTRUCTION AND SAFETY MANUAL

XTIRPA Buddy Roc Pro Mast IN-5032



Innova
Produits de Services Publics - Public Utility Products

**MUST BE READ AND UNDERSTOOD BY THE USER
BEFORE EACH USE**

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INTRODUCTION

CAUTION

The XTIRPA Buddy Roc Pro system is part of an individual protection equipment system, system for protection against falling off the edges, system for positioning of work and safety for working at height.

The user must read, understand and follow the manufacturer's instructions for each component and parts of the complete **XTIRPA Buddy Roc Pro system**. These instructions must be sent to the user of the **XTIRPA Buddy Roc Pro System**. The manufacturer's instructions must be followed to ensure appropriate use and maintenance of this product. Any alteration or incorrect use of the **XTIRPA Buddy Roc Pro system** or of one of its components or parts or failure to respect the instructions of the manual may lead to serious injuries or death, and for which the Manufacturer will decline all guarantee or liability whatsoever. The user, owner and the buyer of the **XTIRPA Roc Pro system** waives all claims, rights and recourse against the Manufacturer as a result of this.

IMPORTANT : The buyer must imperatively complete and return the limited warranty record sheet.

The temporary edge fall arrest system **XTIRPA Buddy Roc Pro** is exclusively designed to allow safe work along the rocky walls during excavation or rock blasting work. The **XTIRPA Buddy Roc Pro System** is designed to act as the support or anchoring structure for these uses. The **XTIRPA Buddy Roc Pro System** is one of the most ergonomic and light to use systems in its category in the market. The **XTIRPA Buddy Roc Pro system** was tested pursuant to the applicable requirements and uses a horizontal safety line respecting the standard CSA Z259.13.

Always ensure that the Instruction and Safety Manual is available to all the workers who have to use the **XTIRPA Buddy Roc Pro system**.

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

Preserve the instruction and safety labels affixed on the **XTIRPA Buddy Roc Pro system** and on its specific components and parts in a clean and readable state at all times. Clean or replace if necessary. New labels can be obtained on demand.

Draw up a regular training program on the **XTIRPA Buddy Roc Pro system** for new or experienced users, as recommended below in this Instruction and Safety Manual. Draw up a detailed inspection program, for the **XTIRPA Buddy Roc Pro system** and document the results, as recommended below in this Instruction and Safety Manual. Always inspect the **XTIRPA Buddy Roc Pro system** before each use and at least once a year.

The **XTIRPA Buddy Roc Pro system**, its components and parts bear labels indicating the maximum capacity of each one. Exceeding the said maximum capacity may not only cause damage to the **XTIRPA Buddy Roc Pro system** or its components or parts, but also cause serious injuries or death, in which case the Manufacturer will decline all guarantee or liability whatsoever. The user, owner and the buyer of the **XTIRPA Buddy Roc Pro system** will waive all claims, rights and recourses against the Manufacturer resulting from it.

The **XTIRPA Buddy Roc Pro Mast** IN-5032, is compliant with the document number MU5032-002ANG Rev1 2017

DESCRIPTION AND INTERPRETATION OF THE MARKING SYMBOLS



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



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



This symbol indicates that the system must be used by a maximum of two users.

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-1- APPLICATION

The **XTIRPA Buddy Roc Pro system**, and its several components and parts (including harness, auto-retractable safety line, horizontal safety line, detachable mast, detachable base), were designed to be used as part of an edge fall arrest system, work positioning, staff handling, handling of equipment and safety for working at heights. The **XTIRPA Buddy Roc Pro System** was designed to act as the support or anchoring structure for these uses.

-2- RESTRICTIONS

- a) **CAPACITY:** According to CSA Z259.13
- b) The manufacturer certifies that the anchoring devices were subjected to tests according to the requirements of the horizontal safety line fulfilling the standard CSA Z259.13 and that, unless otherwise stated, they can be used by a maximum of 2 persons with an auto-retractable safety line for protection for working at heights (class SRL-LE), pursuant to the standard CSA Z259.2.2, per user.
- c) **PRECAUTIONS:** Take the required precautions to limit injuries to the user and risk of damage to the **XTIRPA Buddy Roc Pro system**.
- d) Use of the **XTIRPA Buddy Roc Pro system** at locations having hazardous environment may require taking additional precautions to limit the option of injuries to the user or damage to the **XTIRPA Buddy Roc Pro system**. Hazards may include but are not limited to: high temperatures, fire, flames, fumes, caustic chemical products, corrosive environments, high voltage electrical cables, sudden pressure changes, gas or toxic or explosive substances, water or risks of flooding, risk of wall, ceiling or floor collapsing, mobile machinery and sharp-edged items.
- e) Install and secure all signals and other precautionary and safety measures, including but not limited to warning the users, passersby and vehicle operators driving close to the **XTIRPA Buddy Roc Pro system** of the presence of the **XTIRPA Buddy Roc Pro system** and of workers, before starting work.
- f) Wear any appropriate, certified and recommended safety equipment, including, without limitation, safety helmet, protective glasses, leather gloves, protective clothing, safety boots, harness compliant with CSA Z259.10, flashlight and respiratory system if necessary.

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| CAUTION : The equipment must not be used beyond its limits or for purposes other than those for which it was originally intended. |
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| CAUTION : The equipment must only be used by trained and competent people for this product to be used safely. |
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- g) Always work in teams of at least two (2) or three (3) persons: 1 officer and 1 or 2 workers at height. Persons attached to an auto-retractable safety line (class SRL-LE) must be qualified and trained on the **XTIRPA Buddy Roc Pro system** and must have read and understood this Instructions and Safety Manual before using the **XTIRPA Buddy Roc Pro system**. The officer maintains contact with the person(s) working at a height and remains available in case of emergency. At all times, the officer ensures that the users who attach their auto-retractable safety lines (class SRL-LE) to their harnesses, in accordance with the standard CSA Z259.10, are in the correct position. The Officer also ensures that the **XTIRPA Buddy Roc Pro system** is well in place and that no load imbalance is possible.

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

- h) Use only a full body harness compliant with the standard CSA Z259.10 and certified auto-retractable safety lines, for any user of the **XTIRPA Buddy Roc Pro system**, having appropriate specifications and designed and recommended for use under special work conditions such as those for which the **XTIRPA Buddy Roc Pro system** was designed, as indicated in this Instruction and safety Manual.

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

- i) Plan your work before starting the works. Having the required equipment, procedures and workers available to complete the work. These workers must be qualified and trained on the **XTIRPA Buddy Roc Pro system** and must have read and understood this Instruction and Safety Manual before using the **XTIRPA Buddy Roc Pro system**.
- j) Preserve the instruction and safety labels affixed on the **XTIRPA Buddy Roc Pro system** and its components and parts, clean and readable at all times. Clean or replace if necessary. New labels can be obtained on demand.

IMPORTANT : If the instruction and safety labels on the anchoring device are not accessible after installation, additional stickers must be pasted close to the anchoring device.

CAUTION : Any alteration or addition to the equipment cannot be performed without the manufacturer's prior written consent and any repair must be performed in accordance with the manufacturer's method of operation.

CAUTION : It is agreed and accepted that the use of the equipment (system) is limited to a maximum of two people.

- k) The minimum weight of a user cannot be less than 100 lb (45 kg) or according to the specifications of the connecting element.
- l) Don't exceed **310 lb (141 kg)**, i.e. The maximum work load (CMT) of the system.
- m) Follow all the laws, regulations and standards that govern the entrance and exit to works at height.
- n) Any person who has not read this Instruction and Safety Manual, who has not been trained to use the **XTIRPA Buddy Roc Pro system** and who does not understand all the instructions concerning the operation, safety, maintenance, repair and storage contained in this Instruction and Safety Manual, and in any other recommendation provided by the Manufacturer or its qualified trainers, is not qualified to operate the **XTIRPA Buddy Roc Pro System** and does so at its own risk, and, this done, waives all claims, rights and recourse against the Manufacturer resulting from it.
- o) Make sure to respect the requirements related to the anchoring device or to the structure chosen to serve as an anchoring point, and in particular, the minimum required resistance, adequacy and position.

CAUTION : Anchoring devices must only be installed by competent people or organization.

- p) The maximum force applied by the system on the structure is, a force of 5000 lbf (22 kN) in the direction of the horizontal safety line and 3600 lbf (16 kN) vertically.
- q) A safety plan must be established in order to face any emergency that could arise during work.

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

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

CAUTION : The **XTIRPA Buddy Roc Pro system** must be placed on a hard and leveled surface. Don't use the **XTIRPA Buddy Roc Pro system** on soft surface, such as, but without being limited to it, sand and lawn. If you have any questions relating to the appropriate usage, maintenance or nature of the **XTIRPA Buddy Roc Pro system** for your application, please contact the manufacturer, PSP INNOVA INC.

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

- r) **Maximum free fall distance:** Maximum free fall distance allowed for this system is 4 feet (1.2 m).

- s) **Minimum clearance:** According to the number of user and length of the auto-retractable safety line (class SRL-LE), there must be sufficient clearance under the user to ensure, at the time of falling, that there is no obstacle in the way of the fall trajectory.

| <u>Minimum clearance for 1 person</u> | | |
|---------------------------------------|---------------------------------|--------------------|
| Range length | | Required clearance |
| <i>More than</i> | <i>Smaller than or equal to</i> | |
| 0 foot (0 m) | 10 feet (3 m) | 22 feet 3 inches |
| 10 feet (3 m) | 20 feet (6.1 m) | 22 feet 10 inches |
| 20 feet (6.1 m) | 30 feet (9.1 m) | 23 feet 5 inches |
| 30 feet (9.1 m) | 40 feet (12.2 m) | 24 feet |

| <u>Minimum clearance for 2 persons</u> | | |
|--|---------------------------------|--------------------|
| Range length | | Required clearance |
| <i>More than</i> | <i>Smaller than or equal to</i> | |
| 0 foot (0 m) | 10 feet (3 m) | 23 feet 10 inches |
| 10 feet (3 m) | 20 feet (6.1 m) | 24 feet 8 inches |
| 20 feet (6.1 m) | 30 feet (9.1 m) | 25 feet 6 inches |
| 30 feet (9.1 m) | 40 feet (12.2 m) | 26 feet 4 inches |

- t) This anchoring point must only be used as personal protection against falls and not as a wash equipment.

XTIRPA BUDDY ROC PRO SYSTEM REQUIREMENTS

IMPORTANT : If you have any questions relating to the appropriate usage, maintenance or nature of the **XTIRPA Buddy Roc Pro System** for your application, please contact the Manufacturer PSP INNOVA INC.

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

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

- a) The temporary edge fall arrest system **XTIRPA Buddy Roc Pro** is exclusively designed to allow safe work along the rocky walls during excavation or rock blasting work. The **XTIRPA Buddy Roc Pro System** was designed to act as the support or anchoring structure for these uses. The **XTIRPA Buddy Roc Pro system** must be used only with adapters, anchors, connector (CSA Z259.12), other components, parts or sub-systems certified, approved and recommended by the Manufacturer.
- b) Substitutions or replacements made with adapters, anchors, connector (CSA Z259.12), other components, parts or sub-systems may be incompatible, may endanger the safety and reliability of the entire **XTIRPA Buddy Roc Pro system** and may cause serious injuries or death. Thus the Manufacturer declines any guarantee or liability whatsoever and the user, owner and buyer of the **XTIRPA Buddy Roc Pro system** waives all claims, rights and recourse against the Manufacturer resulting thereof.
- c) Use only auto-retractable safety line (Class SRL-LE) which is certified and in a perfectly operational state, having the appropriate specifications, including maximum lifting capacity, for the projected use of the **XTIRPA Buddy Roc Pro system**.
- d) The owners must ensure that before each use, all the users of the **XTIRPA Buddy Roc Pro system** have read, understood and will respect the Manufacturer's Instruction and Safety Manual.
- e) Owners must also ensure that all the users were trained to use the **XTIRPA Buddy Roc Pro system**, before allowing them to use the **XTIRPA Buddy Roc Pro system**, and at least annually subsequently.
- f) A person who has not read the Instruction and Safety Manual, was not trained to use the **XTIRPA Buddy Roc Pro system** and who does not understand all the safety and operation instructions, is not qualified to use the **XTIRPA Buddy Roc Pro system**. An untrained user exposes others and himself to serious injuries or death, wherein the Manufacturer declines all guarantee or liability whatsoever. The user, owner and buyer of the **XTIRPA Buddy Roc Pro system** waives all claims, rights and recourses against the Manufacturer resulting thereof.
- g) Refer to and follow the CSA standards as well as other local standards and regulations. Follow all requirements of your local regulations concerning your applications.
- h) See the other important operating and safety instructions contained below in this Instruction and Safety Manual.

- i) Enough information must be given to ensure the compatibility of the equipment's various items when they are assembled into a system.
- j) The life cycle of the **XTIRPA Buddy Roc Pro system**, and its components, will be determined following conclusions of periodic and monthly verifications which fix the maintenance in operation or not of the product until decommissioning of the system.

CAUTION : A danger may occur during the use of several items in which the safety feature of one of the items is affected by or interferes with the safety feature of another item.

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

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

CAUTION : The user's safety is directly associated with the efficiency of the equipment's maintenance and integrity.

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

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MAINTENANCE/REPAIRS/ STORAGE

- a) Before each use, the user must read, understand and follow the Manufacturer's Instruction and Safety Manual. Ensure that markings are visible at all times.
- b) Before each use, carefully inspect the **XTIRPA Buddy Roc Pro system** as well as all its components and parts. Any faulty part or component could lead to serious injury or even death.
- c) The CSA standard requires a regular inspection program for any personal protection equipment (PPE), as well as keeping the documented results of these inspections up to date. Use the maintenance and inspection sheets included in this Instruction and Safety Manual to document your results.
- d) It is recommended to mark the next or latest inspection date on the anchoring device.
- e) Switch off the **XTIRPA Buddy Roc Pro system** if a problem, an unsafe or defective condition is discovered during inspection. Return to an authorized service center or to the manufacturer for repair.
- f) The replacement of components and parts, as well as any additional service and repair must be performed by an authorized service center that was approved by the manufacturer. Establish a yearly inspection procedure which will be performed by a competent person (someone who is familiar with, was trained and has read and understood this Instruction and Safety Manual completely) other than the user.
- g) Periodically clean the **XTIRPA Buddy Roc Pro system** with water and soft detergent. Clean labels when necessary.

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| CAUTION : a periodic exam must be performed at least once every twelve months. |
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- h) Periodically clean the **XTIRPA Buddy Roc Pro system** with water and soft detergent. Clean labels when necessary.
- i) Store the **XTIRPA Buddy Roc Pro system** in a clean and dry place, away from direct sunlight. Avoid places with fumes, chemical or toxic substances or environments. Do not immerse or leave in direct contact with water since this could lead to corrosion and rust. Inspect the **XTIRPA Buddy Roc Pro system** after an extended storage period and at least once a month..
- j) The **XTIRPA Buddy Roc Pro system** was designed for more than 10 years of continuous operation. However, the life cycle of the **XTIRPA Buddy Roc Pro system**, and its components, will be determined following conclusions of periodic and monthly verifications which fix the maintenance in operation or not of the product until decommissioning of the system.
- k) Each component of the **XTIRPA Buddy Roc Pro system** must be stored in an individual bag for easy transportation and handling.

WARRANTY

The **XTIRPA Buddy Roc Pro system** offered by the Manufacturer, PSP INNOVA INC., is covered against all manufacturing defects due to labor and materials, for a period of two (2) years from the purchase date. The warranty covers only the original buyer of the **XTIRPA Buddy Roc Pro system**. The Manufacturer will promptly repair or replace all the components or parts that he deemed faulty, the Manufacturer reserves the right to ask for the allegedly faulty part to be returned to his factory, before performing any repair or replacement.

Only the components and parts that were deemed faulty by the Manufacturer, at his sole discretion and following any required inspection performed by the Manufacturer, will either be repaired or replaced by the Manufacturer, whichever he chooses to perform.

Any claim must be sent in writing to the Manufacturer immediately after the owner discovered the problem and must be accompanied by a copy of the initial buyer's proof of purchase. The Manufacturer will issue a complain number and will provide specific instructions related to the complains procedures and the return of the faulty part that will have to be followed, if required by the Manufacturer. The owner will collaborate with the Manufacturer and his representatives in order to allow for the inspection of every part allegedly faulty. All the incurred transport costs associated with the return of the faulty components and parts to the Manufacturer's factory must be paid by the owner, as the transport fees for the return of the replacement components and parts will be covered by the Manufacturer.

This warranty does not cover any damage to the equipment resulting from any cause other than a defect in manufacturing and labor, including, without limitation, any damage resulting from any abuse, lack of maintenance, inadequate handling or storage, intentional damage, vandalism, accidental damage or damage resulting from an impact or collision, damage during transport, damage caused by fire, by an explosion, by vapors, chemical, toxic or corrosive substances or environments, water, normal corrosion and rust, storms, hail and any act of God, war, insurrection, terrorist act or any other damage beyond the reasonable control of the Manufacturer. This warranty will be applicable only to the original buyer and is the only one applicable to the **XTIRPA Buddy Roc Pro system**, in stead and in place of any other express or implicit warranty. Without limiting the generality of what is stated above, the Manufacturer will not be responsible for all the costs, damages or claims whatsoever, including for all special, incident, indirect or additional damages, such as, but not being limited to it, damage for losses in profit or expected income, interruption of business, bodily damage, failure to fulfill any obligation including that of good faith or its reasonable care, negligence, and for any other pecuniary loss or other loss whatsoever, resulting from or being related in any manner to the use or impossibility of using the **XTIRPA Buddy Roc Pro system**, even in the event of fault, offense (including negligence), strict responsibility, breach of contract or breach of warranty, and this, even if the Manufacturer was informed of the possibility of such damages. The Manufacturer declines any other warranty and condition, either express, implied or statutory, including, but not limited to, any warranty or condition of merchantability, fitness for particular use or application and for lack of negligence or professional diligence.

IMPORTANT : The buyer must imperatively complete and return the limited warranty's record sheet for each product.

DESCRIPTION OF THE XTIRPA BUDDY ROC PRO SYSTEM

CAUTION

The temporary edge fall arrest system **XTIRPA Buddy Roc Pro system** is exclusively designed to allow safe work along the rocky walls during excavation or rock blasting work. The **XTIRPA Buddy Roc Pro System** was designed to act as the support or anchoring structure for these uses. The user must read, understand and follow the manufacturer's instructions for each component and part of the complete **XTIRPA Buddy Roc Pro system**. These instructions must be sent to the user of the **XTIRPA Buddy Roc Pro System**. The manufacturer's instructions must be followed to ensure appropriate use and maintenance of this product. Any alteration or incorrect use of the **XTIRPA Buddy Roc Pro system** or of one of its components or parts due to non-compliance with the instructions of the manual may lead to serious injuries or death, and for which the Manufacturer will decline all guarantee or liability whatsoever. The user, owner and the buyer of the **XTIRPA Roc Pro system** waive all claims, rights and recourse against the Manufacturer as a result of this.

COMPONENTS

MAST BUDDY ROC PRO XTIRPA: A5032-01

WINCH SUPPORT FOR XTIRPA BUDDY ROC PRO MAST: A5032-07

3 1/2" TO 3 3/4" BASE FOR XTIRPA BUDDY ROC PRO MAST: A5032-35

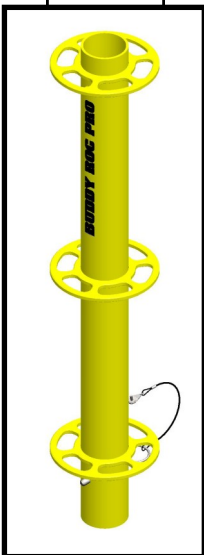
4" TO 4 1/4" BASE FOR XTIRPA BUDDY ROC PRO MAST: A5032-40

4 1/2" TO 4 3/4" BASE FOR XTIRPA BUDDY ROC PRO MAST: A5032-45

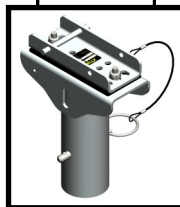
5" TO 5 1/4" BASE FOR XTIRPA BUDDY ROC PRO MAST: A5032-505

1/2" TO 5 3/4" BASE FOR XTIRPA BUDDY ROC PRO MAST: A5032-55

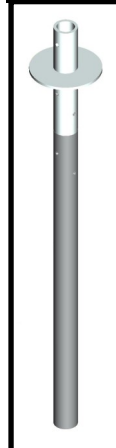
A5032-01



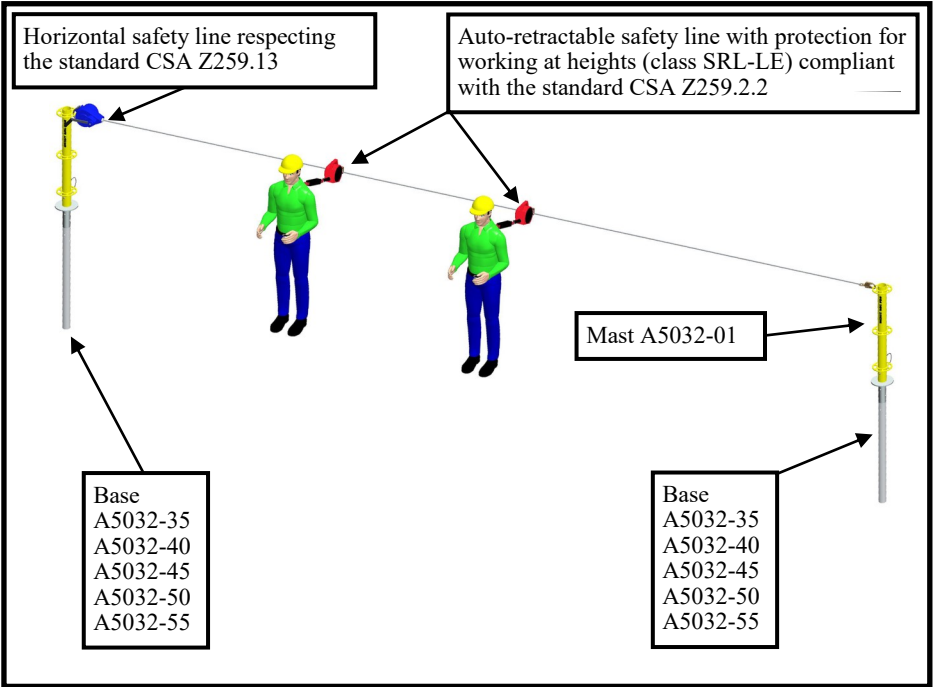
A5032-07



A5032-35
A5032-40
A5032-45
A5032-50
A5032-55



GENERAL OVERVIEW



OPERATION, INSTALLATION AND USE OF THE XTIRPA BUDDY ROC PRO SYSTEM

CAUTION : The temporary edge fall arrest system **XTIRPA Buddy Roc Pro** is exclusively designed to allow safe work along the rocky walls during excavation or rock blasting work. The **XTIRPA Buddy Roc Pro system** was designed to act as the support or anchoring structure for these uses. The user must read, understand and follow the manufacturer's instructions for each component and part of the complete **XTIRPA Buddy Roc Pro system**.

CAUTION : These instructions must be sent to the user of the **XTIRPA Buddy Roc Pro system**. The manufacturer's instructions must be followed to ensure the appropriate use and maintenance of this product. Any alteration or incorrect use of the **XTIRPA Buddy Roc Pro system** or of one of its components or parts due to non-compliance with the instructions of the manual may lead to serious injuries or death, and for which the Manufacturer will decline all guarantee or liability whatsoever. The user, owner and the buyer of the **XTIRPA Roc Pro system** waive all claims, rights and recourse against the Manufacturer as a result of this.

IMPORTANT : Enter the product's ID number indicated on the ID label of the **XTIRPA Buddy Roc Pro system** on the maintenance and inspection sheet contained in this Instruction and Safety Manual.

IMPORTANT : If you have any questions relating to the appropriate usage, maintenance or nature of the **XTIRPA Buddy Roc Pro System** for your application, please contact the Manufacturer PSP INNOVA INC.

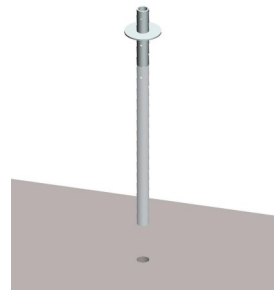
1. INSTALLATION OF XTIRPA BUDDY ROCK PRO XTIRPA WITH MOVEMENT LIMITATION

IMPORTANT : Ensure that the location selected for the anchoring poles is composed of stable rocks. In case of doubt, contact an engineer

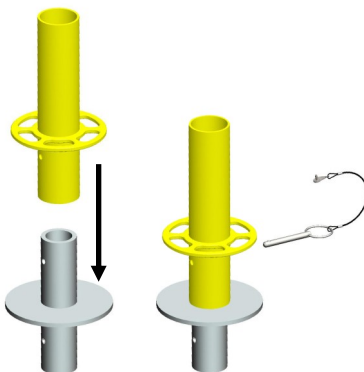
IMPORTANT : The drilling holes used to set up the system must be located at a minimum distance of 12 feet (3.5m) from the edge constituting the risk of falling.

1. Insert the base of the poles in the holes previously drilled for this purpose.

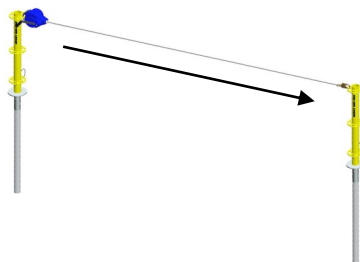
IMPORTANT : These holes must have sufficient depth so that the base is totally inserted in it, up to the base plate.



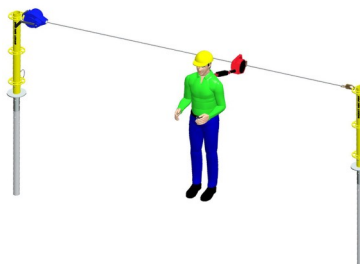
2. Insert the mast A5032-01 on the base and insert the pin in the hole provided for this purpose to secure the mast A5032-01.



3. Fix one end of the horizontal safety line to a pole and unwind to fix the other end to the other Pole.

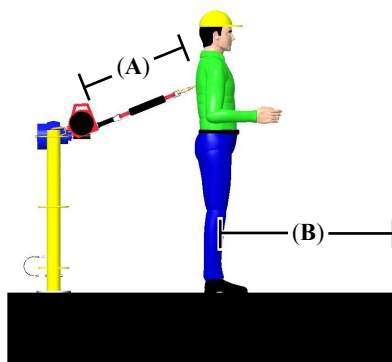


4. Attach your harness, with an auto-retractable safety cord with protection for working at heights (class SRL-LE) to the horizontal safety line.



5. Attach the auto-retractable safety line with protection for working at heights (class SRL-LE) (A), at a distance from the edge (B) which does not allow the user to get close to the safe distance from the edge as specified in the table below.

| (A) | (B) |
|-----------------|------------------|
| 25 feet (7.62m) | 50 feet (15.24m) |
| 39 inches (1m) | 71 inches (1.8m) |



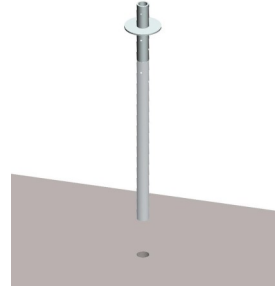
2. INSTALLATION OF XTIRPA BUDDY ROCK PRO XTIRPA WITH FALL ARREST

IMPORTANT : Ensure that the location selected for the anchoring poles is composed of stable rocks. In case of doubt, contact an engineer.

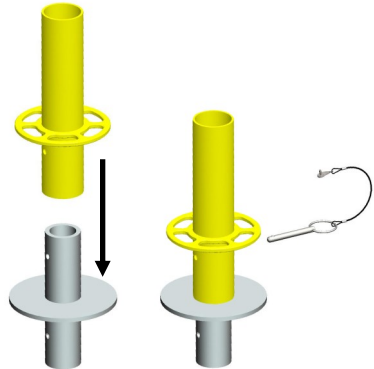
IMPORTANT : The drilling holes used to set up the system must be located at a minimum distance of 12 feet (3.5m) from the edge constituting the risk of falling.

1. Insert the base of the poles in the holes previously drilled for this purpose.

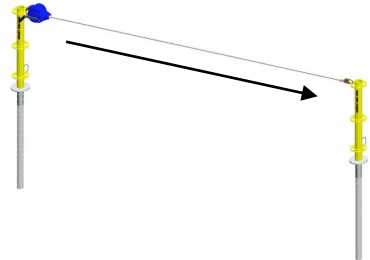
IMPORTANT : These holes must have sufficient depth so that the base is totally inserted in it, up to the base plate.



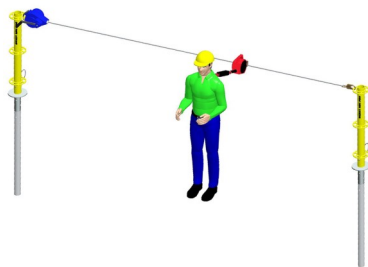
2. Insert the mast A5032-01 on the base and insert the pin in the hole provided for this purpose to secure the mast A5032-01.



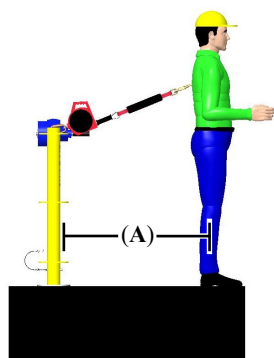
3. Fix one end of the horizontal safety line to a pole and unwind to fix the other end to the other Pole.



4. Attach your harness, with an auto-retractable safety cord with protection for working at heights (class SRL-LE) to the horizontal safety line.

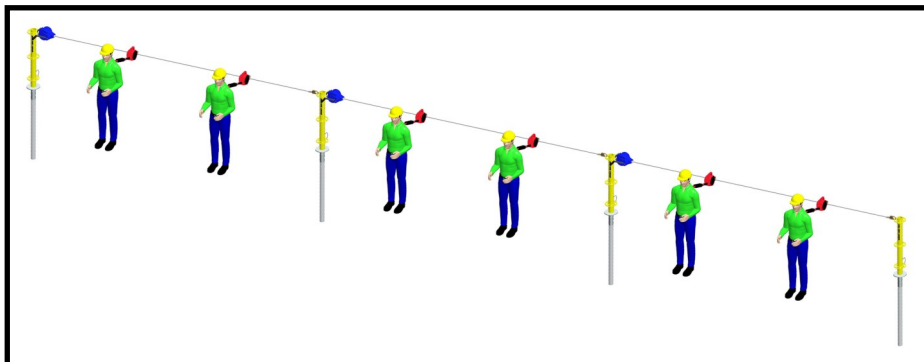


5. Attach the auto-retractable safety line with protection for working at heights (class SRL-LE) at a 10 feet distance (3 m) from the edge (A).



3. INSTALLATION OF SEVERAL XTIRPA BUDDY ROCK PRO IN SERIES

It is possible to longitudinally add several systems in series. The following figure illustrates a series of XTIRPA Buddy Roc Pro systems with three (3) horizontal safety lines. Each horizontal safety line may simultaneously hold two (2) users.

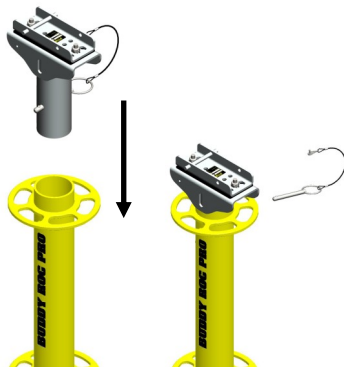


4. INSTALLATION OF XTIRPA BUDDY ROCK PRO FOR SAFETY

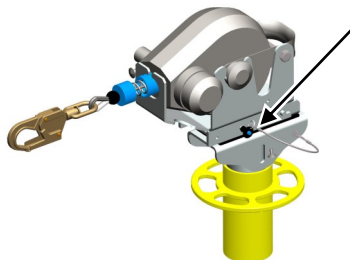
As it concerns an active system for protection against edge fall arrest, a safety procedure must be elaborated after consideration of two possible situations:

- a) It is the user's responsibility to ensure that a safety procedure has been developed.
- b) During the safety procedure, the rescuer himself must be protected from falling of the edge.

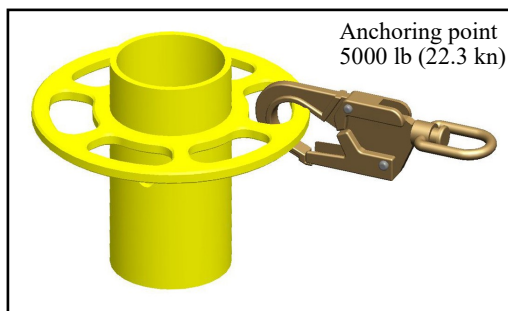
1. Insert the winch support A5032-07 on the mast and insert the pin in the hole provided for this purpose to secure the winch support A5032-07.



2. Fix the auto-retractable safety line (SRL-R) pursuant to the standard CSA Z259.2.2 or a cable winch, which will be used for rescue, to the winch support A5032-07 and insert the pin in the hole provided for this purpose to secure the safety line or the winch.



For the purpose of rescue, the safety device will be included on a ring of the mast.



IMPORTANT : The connectors (CSA Z259-12) (hooks, snap hooks, D-rings) must be able to withstand a 3600 lbf (16 kN).

IMPORTANT : If you have any questions relating to the appropriate usage, maintenance or nature of the **XTIRPA Buddy Roc Pro System** for your application, please contact the Manufacturer PSP INNOVA INC.

MISE EN GARDE : It should be noted that only the plates, supports and adapters that were certified, approved and recommended by the manufacturer can be used.

CAUTION : In the case of edge fall arrest systems and to ensure safety, the anchoring device or point must always be placed correctly and the work must be performed in a way that reduces the risk of falls as well as the height of falls. The anchoring device or point must imperatively be placed above the user's position.

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

IMPORTANT : If necessary, use a safety guard to secure the work space to avoid any falls.

CAUTION : Any system must immediately be removed from circulation : if the security is questioned or if it was used to stop a fall. Do not use the system before a competent person authorizes in writing the product's integrity before it can be used again.

IMPORTANT: The harness compliant with the CSA Z259.10 standard on fall arrest must be fastened to the system's safety line by the fall arrest suspension point of the harness compliant **with CSA Z259.10**.

IMPORTANT: Le harnais conforme à la norme d'antichute CSA Z259.10 doit être relié à la corde d'assurance du système par le point d'accrochage antichute du harnais conforme à CSA Z259.10.

CAUTION : The instruction and safety manual must be followed to ensure the appropriate use and maintenance of this product. Any alteration or incorrect use of the **XTIRPA Buddy Roc Pro system** or of one of its components or parts due to non-compliance with the instructions of the manual may lead to serious injuries or death, and for which the Manufacturer will decline all guarantee or liability whatsoever. The user, owner and the buyer of the **XTIRPA Buddy Roc Pro system** waive all claims, rights and recourse against the Manufacturer as , a result of this.

THE FOLLOWING INFORMATIVE AND SAFETY LABELS MUST BE CLEAN AND READABLE AT ALL TIMES

S5032-001

XTIRPA
BUDDY ROC PRO
IN-5032

Specifications:

CSA Z259.13

Life line:
Maximum work load 2 persons at 310 lb (141 kg) each.

Anchor masts and rings:
Breaking strength of 5000 lbf (22 kN)

Materials:
ASTMA613 Steel, CSA G40.21 (350W), Aluminum 6061-T6, Stainless steel hardware.


Standards:
CSAZ259.13 when used with a life line respecting this standard.

Inspection:
Before each use, inspect the XTIRPA(TM) System to determine if it is perfectly operational. At least once a month, the components of the XTIRPA(TM) System must be inspected and documented by a competent person. The collected information must comply with the user's instruction and safety manual. Not to be used if the inspection reveals a problem, an unsafe condition or a defect. Must not be repaired by a person other than the manufacturer or an authorized service center. Cannot be repaired by the user.

Refer to the user manual for the required clearance.

Installation and usage:
The users must have received the training required to carry out work at a height. Compatible for all drilling holes with a minimum diameter of 76 mm (3") and maximum diameter of 102 mm (4") in a healthy rock. Inspect the equipment pursuant to the instructions before each use. Refer to the instructions for positioning of the equipment, required clearance, compatible PPE, safety and all other required precautions.

Caution:
For any other application concerning the boom, consult the Manufacturer or Distributor. The manufacturer's instructions must be followed to ensure appropriate use and maintenance of this product. Any change or incorrect use of this product, or non-respect of the instructions given in the manual may cause serious injuries or death. The Manufacturer or Distributor declines any guarantee or liability thus, the user, owner and buyer of the XTIRPA(TM) System waive all claims, rights and recourse against the Manufacturer or Distributor.



2 MAX

Products Manufactured By:
Innova Public Utility Products Inc.
1040 Blvd. Industriel, Granby, QC, Canada
J2J 1A4 www.xtirpa.com
S5032-002 Rev.A

Made in Canada

S2001-005 Rev.A

XTIRPA

| | |
|--------------------|------------------|
| Product No. | Lot No. |
| Serial No. | Mfg. date |

www.innova2000.com
Manufactured by:
Innova Public Utility
Products Inc.

S2001-005 Rev.A
Made in Canada

Product serial number →

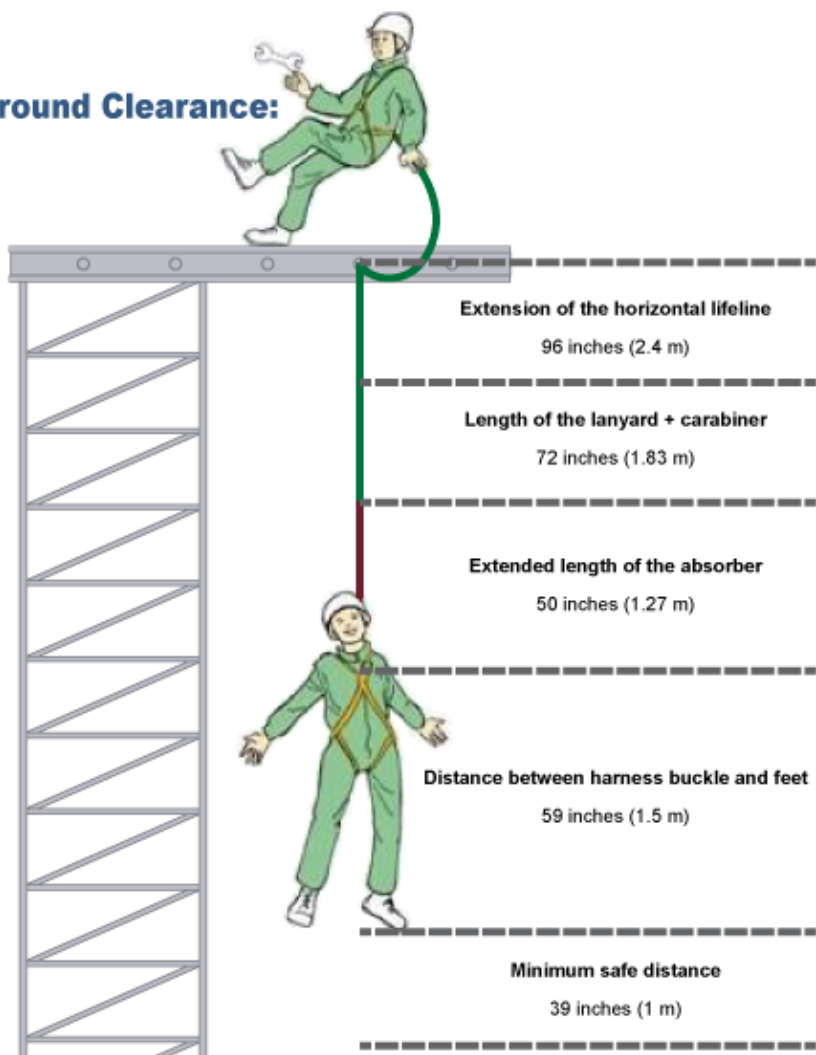
Product number →

Manufacturing date ←

Manufacturing batch number ←

-8- Calculation diagram

Ground Clearance:



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 its 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 the Manufacturer and its subsidiaries.

Manufactured by: INNOVA Public Utility Products Inc.

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

XTIRPA

SOLUTIONS FOR SAFETY IN CONFINED AREAS

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www.xtirpa.com



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