



PORTX[®] RESCUE

➤ Assembly & Operation Guide

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Lightweight. Portable. **Safe.**

Please read the following instructions and guidance notes carefully, before using or operating the system.

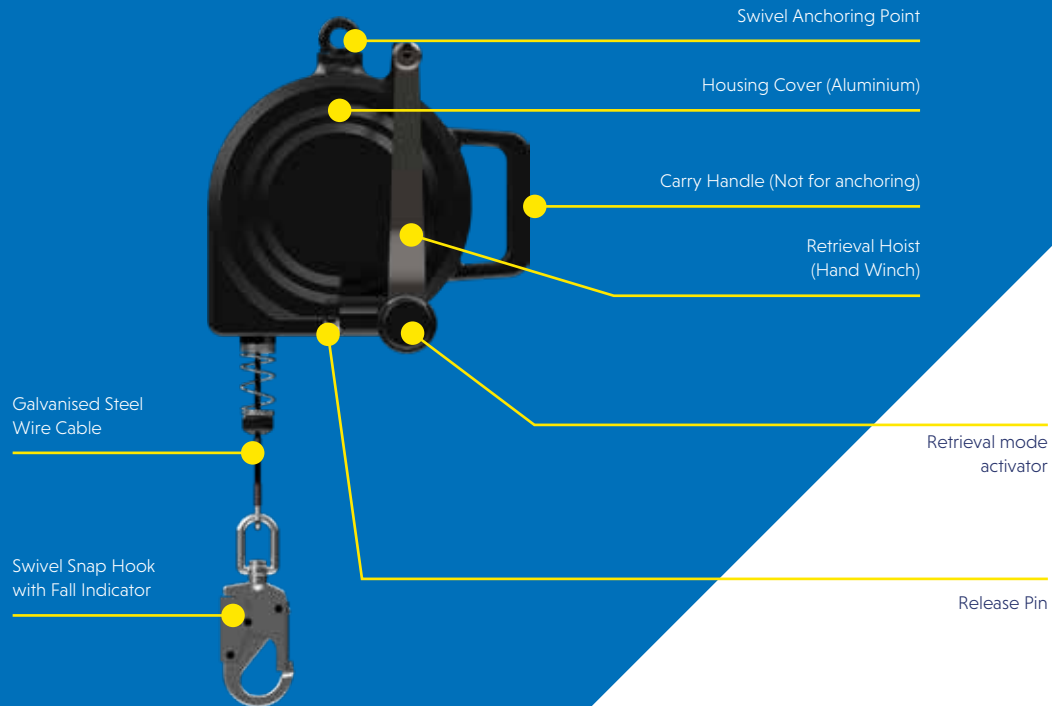
They contain important information about how to handle and use the system in a safe and efficient way, avoiding danger, reducing repair costs and downtime, and increasing the reliability and lifespan of the system.

They apply for:

- Operation, including preparation, troubleshooting during operation and cleaning
- Maintenance, inspection, repair
- Transportation

It is the responsibility of the end user to adhere to the Health & Safety and accident prevention standards and legislation valid in their respective countries, states and any regions in which the system is being used. It is also incumbent on the user or competent person to ensure that anyone working with the equipment has the necessary medical and physical capabilities. This document should form part of the overriding Risk Assessment and Method Statement.

➤ Components and Dimensions



Dimensions				
Model	Wire Length	Wire Diameter	Capacity (lb)	Unit Weight (lb)
PTXR-20	65' 7 ½"	¾"	310	49

Ø 3/16" (4.8mm) galvanized steel wire cable minimum static strength is 12 kN.

Swivel snap hook with fall indicator meets EN 362:2004 standard and ANSI Z359.12 standard.

Usable Cable Length		
Product	Max	Min
Porta Gantry Rapide	62' 4"	49' 2 ½"
Porta Gantry Small & Medium	60' 8 ¼"	37' 8 ¾"
Porta Gantry Intermediate +	56' 7 ¼"	25' 5"
TDAVIT	60' 8 ¼"	55' 9 ¼"
Porta Davit Quantum (Column)	59' ¾"	57' 5"
Porta Davit Quantum (Rigid Backstay)	60' 8 ¼"	60' 8 ¼"
PortX Davit	60' 8 ¼"	54' 1 ½"

*Refers to the available usable cable length after connecting to the relevant REID product with correct set-up.

➤ Correct Operation

Intended Use

The PortX Rescue SRL is part of a personal fall arrest system. It provides protection from accidental falls that may occur in the work environment.

If an accidental fall does occur, the automatic braking system will activate.

PortX Rescue is equipped with a manual winching unit which can be engaged by activating the retrieval mode activator should it be necessary to perform a rescue. Please read and understand the proper procedures outlined in this user instruction manual before using the device.

Maximum Capacity

This equipment is designed for ONE person with a total weight from 130lb to 310lb, as per ANSI Z359.14 requirements, including any clothing and equipment the person is carrying. All persons must be properly trained and qualified before using this device.

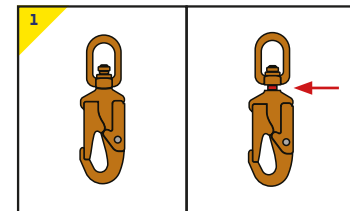
Temperature Range

This device can be operated in ambient dry temperatures between -30°C and +50°C (-22°F and 122°F). Consult your supplier in case of extreme working conditions.

Inspection Prior to Initial Operation

- Always inspect the equipment before each use. If an issue is identified, immediately remove the equipment from service and contact the approved service company, or manufacture.
- Check the legibility of the product markings.
- Check the housing cover for distortions, cracks or other damages. Inspect the housing for screws that may be loose, bent, or damaged.
- Inspect the snap hook and karabiner for signs of damage, corrosion, or cuts. Ensure the latch opens freely.
- Hang the equipment vertically on a solid anchoring point, pull the wire cable out slowly and inspect the cable for corrosion, cuts, abrasion, burns, heavy soiling, chemical contact, irregular colour, or damage. After the inspection of the entire cable is complete, slowly retract the cable back into the case.
- With the cable inside the case, test the braking mechanism by hanging it vertically on a solid anchoring point. Hold the snap hook securely, and pull downwards quickly. The brake should activate, and the cable will stop. If the cable slips, do not use the equipment.

- When the swivel snap hook fall indicator shows, do not try to reset it. A red band will be visible as shown in the diagram. Contact the authorised company or manufacturer for service (Figure 1).



Notes for Correct Operation

The equipment is only designed for a single fall. If a fall occurs, remove the equipment from service immediately and contact the authorised company or manufacture for maintenance or service

- Fall arrest equipment must be used by a competent person who is authorised, qualified and properly trained. The person must be in good health with no abnormal medical conditions.
- All safety guidelines and regulations must be followed during use. If proper procedures are not followed, serious injury or death may occur.
- Be aware of the surrounding hazards that may affect the performance of the equipment. Corresponding safety precautions must be observed, e.g.: extremes of temperature, trailing or looping of lanyards or lifelines over sharp

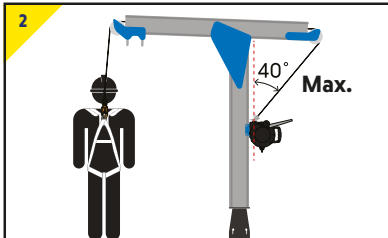
edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure or pendulum falls.

- The anchorage device or anchorage point should always be installed in a suitable location and positioned in order to minimize both the potential for falling and potential fall distance. You must choose a rigid anchor point location that will prevent free falls and swing fall hazards. The anchorage device or point must be placed above the position of the user. Ensure the anchorages selected for fall arrest systems have a strength capable of sustaining static loads applied in the directions permitted by the system of at least one of the following*:

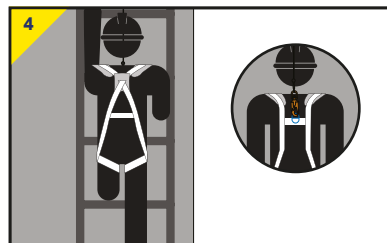
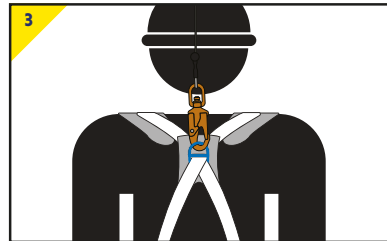
1. 5000 lb (22.2 kN) for non-certified anchorages
2. Two times the maximum arresting force for certified anchorages.

- The maximum angle from the vertical device is less than 40°. (Figure 2)

* ANSI Z359.2-2017 provides the Minimum requirements for a comprehensive managed fall protection program., which includes anchorage requirements



- For general fall protection use, attach the snap hook to the rear D-ring (Figure 3). For situations such as ladder climbing, attach to front D-ring (Figure 4). This equipment must only be used by a single person wearing a full body fall arrest harness.

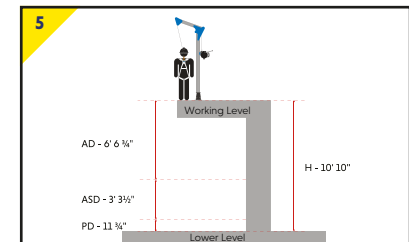


- The minimum fall clearance distance is calculated by adding the arrest distance (AD), plus an extra distance of 3' 3 1/4" for additional safety (ASD), also factoring in maximum possible deflection of the lifting anchor device (PD). Using the formula below shows that the minimum fall clearance distance is 10' 10". (Figure 5).

+ Arrest Distance (AD)
 + Additional Safety Distance (ASD)
 + Product Deflection in the event of a fall (PD)
 = Clearance Distance (H)

$$6' 6 \frac{3}{4}" (AD) + 3' 3 \frac{1}{4}" (ASD) + 11 \frac{3}{4}" (PD) = 10' 10" (H)$$

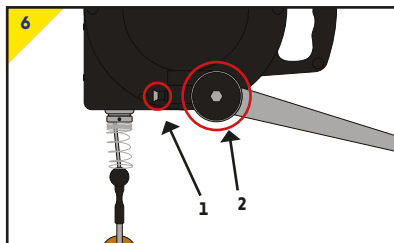
Warning! It is essential for safety to verify the free space required beneath the user at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or the other obstacle in the fall path.



➤ Correct Operation

Rescue: (Retrieving the User After a Fall)

- A rescue plan must be in place to deal with any emergencies that could arise during the work as required by ANSI Z359.2
- A method of communication must be maintained at all times between the rescuer and rescuee during a rescue.
- Pull out the Release Pin (1). Whilst holding the Release Pin, push in the Retrieval mode activator (2) which is located on the bottom cover housing, then release Release Pin (1) (Figure 6). Rotate the handle in an anti-clockwise direction to lift the user. There should be a clicking noise heard while the cable is being cranked into the unit



- The PortX Rescue is designed to be compatible with REID systems. A range of brackets are available to allow the unit to attach to the different systems.

Safety Information

- The capacity of the PortX Rescue SRL must not be exceeded.
- This equipment must not be used for any purpose other than that for which it is intended.
- Do not make any alternations or additions to the equipment without the manufacturer's prior written consent.
- Do not leave the equipment for long periods in environments where corrosion or degrading the metal parts could take place. (e.g. rain, fog, in direct sunlight) Keep the equipment indoors when not in use.
- Consider the working environment before using this equipment, especially extreme heat, chemical hazards, sharp edges, electrical hazards and other climatic conditions which may cause the equipment to fail.
- Dangers may arise if attempting to use this device in combination with third party safety products: Make sure the harness and connector are compliant with the manufacturer's instructions and meet relevant standards. For example, ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet the requirements of applicable standards, including ANSI Z359 or other applicable fall protection codes, standards, or requirements. Always consult a competent and/or qualified Person before using these systems

- If this product is re-sold outside the original country of destination, upon request the reseller shall provide an instruction manual, in the language of the country in which the product is to be used
- Remove the equipment from service immediately and contact the authorised company or manufacturer if there is any doubt of the device integrity, e.g. wire rope damage, connector damage, housing damage, loose screws, bent connectors, any malfunction. Do not use until the equipment has been inspected by an authorised company or manufacturer, and returned with a written approval of use

OSHA 1926.500 AND 1910.66:

Anchorage used for attachment of personal fall arrest systems shall be independent of any anchorage being used to support or suspend platforms, and capable of supporting at least 5,000 lb per user attached, or be designed, installed, and used as part of a complete personal fall arrest systems which maintains a safety factor of at least two, and is under the supervision of a qualified person.

The following information is based on REID Lifting's recommendations and does not remove the responsibility of the user to comply with the relevant regulations and standards that are valid in the respective countries and regions where the system is being used.

Periodic Inspections

To ensure that the device remains in safe working order it must be inspected regularly by a competent person. An annual periodical inspection is required, unless adverse working conditions or profile of use dictate shorter periods.

Periodical inspections shall be carried out by an approved and competent technician and in accordance with the manufacturer's examination procedures.

Periodical inspection shall verify the legibility of the marking on the product and the integrity of all components

A certificate of return to service must issued by the approved and competent technician who performed the periodical inspection. Once the service has been completed it must be recorded in the Periodic Examination & Repair History section on page 17.

Maintenance and Repair

Service is only conducted by an authorised company or manufacturer. If there is any doubt about the status of the equipment, remove the equipment from service immediately and contact the authorised company or manufacturer for service.

Clean the equipment before and after use: use mild, neutral PH soap and warm water to remove the dirt; 70% ethyl alcohol with a cloth or sponge to disinfect the equipment.

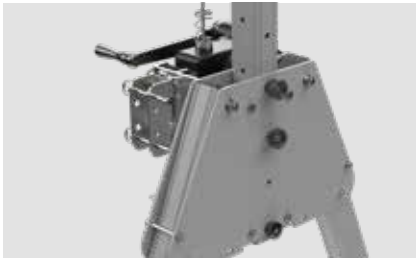
When the equipment becomes wet, either during use or during cleaning, allow the equipment to dry naturally, and keep away from direct heat sources.

When transporting by courier, sea freight or truck, store the equipment inside the original carton box.

Store the product in a covered cool area, away from the heat, light, or high humidity environment.

> Fittings

The PortX Rescue is provided with a standard universal bracket which can be fitted to the range of REID safety products.



On products where the attachment point is the trap plate the device and bracket will be orientated as shown using bolts.



Part Code **PTXBRK02**



On all vertical columns the bracket is attached as shown using the pins. The width of the wings varies according to which product it is attached to.



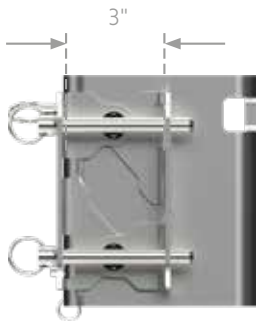
Part Code **PTXBRK02**



When using a vertical double winched configuration, the PortX Rescue has a bracket with a deviation and built-in sheave to allow for the winch wire to pass through seamlessly.



Part Code **PTXBRK03**

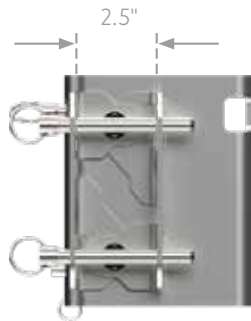


> TDAVIT[®]

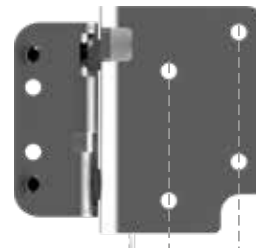
> PORTAGANTRY[®] Winch Column

> PORTADAVIT[®] QUANTUM[®] Column

> PORTX[®] DAVIT



> PORTADAVIT[®] QUANTUM[®] Rigid Backstay



PORTAGANTRY[®]
Trap Plate

PORTAGANTRY[®] RAPIDE[®]
Trap Plate

➤ Product Labelling

Markings

Product name

PortX Rescue

Product Standards

EN 360:2002
EN 1496:2017 Class B
ANSI Z359.14-2021

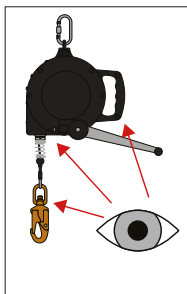
European conformity and Notified Body Number

CE 0598

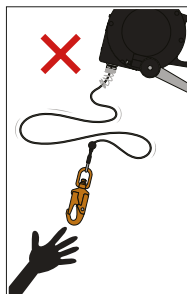
Read instructions before use



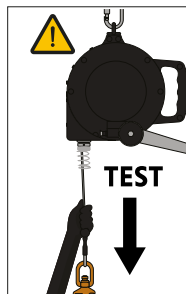
Safety Instructions



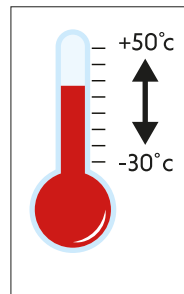
Inspect equipment condition before use



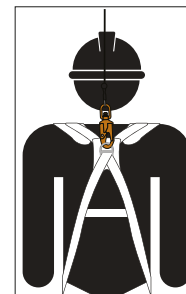
DO NOT release the cable rapidly



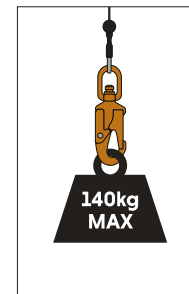
Cable must fully extend and retract without hesitation



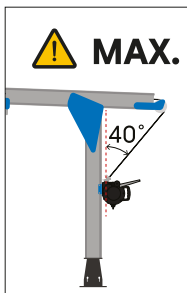
Acceptable use of temperature range (+122°F to -22°F)



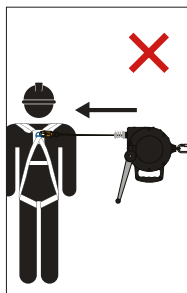
Attach safety harness that complies with ANSI Z359.11



Maximum weight allowed is 310lb (140kg)



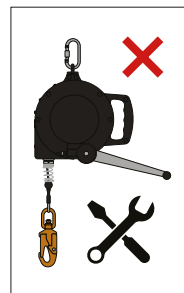
Maximum angle allowance is 40° from vertical



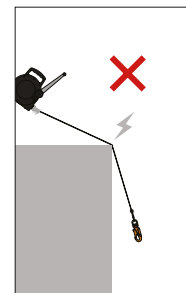
Do not use in a horizontal direction



Keep away from water, oil, chemicals and electricity



Do not attempt to disassemble or repair yourself



Avoid contact with unprotected sharp edges



Store SRL in a cool, dry, clean environment

Quality & Safety

Warranty

The warranty of this product is 1 year from the date of purchase. The estimated lifespan of this product is 10 years, but the lifespan may vary depending on the frequency of use. Please follow the instruction manual to avoid any accidental damage to this product. Annually inspections must be done by an authorised company or by the manufacturer.

Notified Body - EU Certification

SATRA Technology Europe Ltd (CE 2777) Bracetown
Business Park,
Clonee, County Meath, Dublin 15
Ireland

Notified Body - Production Control

SGS FIMKO OY (CE 0598)
P.O. Box 30 (Särkiniementie 3)
00211 HELSINKI
Finland
Phone: +358 9 696 361, Fax: +358 9 692 5474
Email: sgs.fimko@sgs.com
Website: www.fi.sgs.com

Manufacturer

REID Lifting Ltd

Unit 1 Wyview,
Newhouse Farm Ind. Estate
Chepstow, Monmouthshire
NP16 6UD
United Kingdom

Risks Against Which the PPE is Intended to Protect

A retractable type fall arrester is used as a sub-system constituting one of the components of a personnel fall arrest system when combined with a full body harness, which is to protect the user from falls from a height.

Regulations, Standards & Directives

REID Lifting declares this product complies with the following:

➤ ANSI Z359.14-2021

It is essential to adhere to the safety regulations of the respective country for using manual lifting equipment.

Refer to the local, state, and federal (OSHA) requirements governing occupational safety for additional information regarding Personal Fall Protection.

Accreditations

Quality and safety are key themes throughout this document and the REID Lifting ethos. It is with this in mind that we have undertaken external accreditations to ensure we stay focused on what is important to our clients and users, and ahead of market trends and developments.

REID Lifting is continuously audited by Lloyds Register Quality Assurance (LRQA) for approval of its Integrated Management System combining quality systems management, environmental issues and the health and safety practices within the company.

➤ ISO 9001:2015 - Specifies requirements for a quality management system for any organization that needs to demonstrate its ability to consistently provide products that meet customer and applicable regulatory requirements and aims to enhance customer satisfaction

- ISO 14001:2015 - Specifies the requirements for implementing environmental management systems throughout all areas of the company
- ISO 45001 – Health & Safety Management System
- LEEA Membership - REID Lifting is a full member of the Lifting Equipment Engineers Association (LEEa membership 000897). REID Lifting conforms to the main aims of the association which is to achieve the highest standards of quality and integrity in the operations of members. Entry qualifications are demanding and strictly enforced through technical audits based on the Technical Requirements for Members

Conformité Européenne [CE]

REID Lifting's products have been designed, tested to meet the demands of the European and UK Directives and Regulations regarding Health and Safety requirements.

Testing

Testing and technical file review are integral parts of our design and manufacturing process. External verification of products is undertaken where appropriate, using government approved Notified Bodies.

All products have been thoroughly tested. Each product is supplied with a certificate of conformance and individual record of thorough examination or test.

Language

It is essential for the safety of the user that if this product is re-sold outside of the original country of destination, the reseller shall provide instructions for use, maintenance, inspection and repair in the language of the country where it will be used.

Product IPR

Intellectual property rights apply to all REID Lifting Ltd products. There are patents in place, or pending, for:

PORTAGANTRY[®] | **PORTAGANTRY[®] RAPIDE[®]** |
PORTADAVIT[®] QUANTUM[®] | **TDAVIT[®]**

All product names are trademarks of REID Lifting Ltd:

PORTAGANTRY[®] | **PORTAGANTRY[®] RAPIDE[®]** |
PORTADAVIT[®] | **PORTABASE[®]** | **TDAVIT[®]** |
PORTAQUAD[®] | **PORTX[®]**

➤ Product Identification & Inspection Record

REID
+44 (0)1291 620 796
www.reidlifting.com

Unit 1 Wyndham, Newhouse Farm Industrial Estate, Chipstone, Macclesfield, Cheshire, M13 8UG, UK

1: PTXR-20
2: XXXX XXXXX
3: 140kg / 310lb
4: 20xx
5: EN360:2002, EN1469:2017, ANSI Z359.14-2021 Sales Order

Cable
Diameter Ø 4.8mm
Length 20m

Tamb:
-30°C to +50°C

CE 0598

The inspection card should be filled in before first use by a competent person. Periodic examination is required for the continued efficiency and durability of the equipment. Regular formal inspection by an authorised competent person should be completed at least every 12 months. Use the form provided for your records during the lifespan of the equipment utilization.

Model	Agent	Serial Number
Manufacture	Address	Contact Information
Date of manufacture/Expiry Date	Date of Purchase	Date of First use
Other relevant information		

Inspection Checklist

Device body

- Inspect for loose or missing fasteners or damaged parts
- Inspect the housing for distortion, cracks, or damage
- Inspect the connector for distortion and cracks. The connector should pivot freely.
- The Lifeline should pull out and retract fully
- Weak line retraction.
- Check lifeline locks on when pulled sharply twice
- Labels present and legible
- Signs of corrosion

Lifeline

- Inspect the lifeline wire rope for cuts, kinks, broken wires, bird-caging, corrosion, welding splatter, chemical contact areas, or severely abraded areas.
- The lifeline must be free of knots throughout its length.

Cable End Connectors

- Inspect Snap hook for signs of damage, corrosion, and proper working condition.
- Where present: Swivels should rotate freely.

Periodic Examination & Repair History

Date	Inspected by	Pass/Fail	Corrective Action	Comments

Notes

Contact Us

REID Lifting Inc, USA

7900 International Drive,
Suite 300,
Bloomington,
MN 55425
USA

- +1-(888)-721-6411
- info@reidlifting.com
- us.reidlifting.com

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