



ASSEMBLY AND OPERATIONS GUIDE

PortX® Tripod

reidlifting.com



IMPORTANT INFORMATION

This manual provides the information required for the safe assembly, operation, inspection, maintenance, and storage of the Reid PortX Tripod. It must be read and understood before the equipment is placed into service and should form part of the project-specific risk assessment and method statement for each operation.

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 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. A rescue plan also needs to be in place in the event of an emergency that could occur during the work. This document should form part of the overriding Risk Assessment and Method Statement required for each lift.

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PRODUCT OVERVIEW AND APPLICATIONS

The Reid PortX Tripod is a lightweight, portable anchorage system designed to provide a stable overhead anchor point for safe access, egress, rescue, personnel lifting, and material lifting in confined space and vertical access applications. It is suitable for a wide range of common industrial safety applications, subject to assessment of its suitability for the specific task, environment, and system configuration. When used with compatible winches or self-retracting lifelines, it provides a portable and lightweight solution for demanding operations in hazardous environments.

EXAMPLES OF APPLICATIONS

- Confined space entry and egress
- Rescue and recovery operations
- Lifting and lowering of personnel
- Fall protection anchorage as part of a personal fall protection system (PFAS)
- Lifting of materials and equipment
- Temporary overhead anchorage for vertical access tasks

The Reid PortX Tripod may be used only in accordance with the product-specific markings, the applicable Instructions for Use, and with compatible and suitably rated components. The user, employer, or other competent person must ensure that all persons using the equipment are medically fit, physically capable, trained, and competent to carry out the required tasks safely. A suitable rescue plan should be established before any work commences in case of an emergency that may arise during the work.

INTENDED USE

This product has been designed, tested, and approved for use in the lifting of materials, the lifting of personnel, and as an anchorage device for fall prevention as part of a personal fall protection system. Use of the product for these applications is permitted only when pre-use inspections and mandatory periodic inspections are carried out by a competent or qualified person, as required by applicable regulations. The equipment must not be used for any purpose other than that for which it is intended.



READ THIS SECTION CAREFULLY

IMPORTANT SAFETY INFORMATION

This section summarises the principal safety requirements and limitations that should be observed when assembling, operating, inspecting, maintaining, and storing the Reid PortX Tripod. These instructions do not replace a task-specific risk assessment, method statement, or rescue plan, and the equipment should be used only by trained and competent persons in accordance with applicable regulations and the approved instructions for use.

Misuse of this equipment may result in serious injury or death.

This equipment should only be used by trained and competent persons in workplace applications.

Use only Reid-approved components and accessories, including the recommended PortX Winch (PTXW) and PortX Rescue (PTXR) where specified.

Third-party devices and brackets are not recommended unless they have been assessed and approved by a competent person for compatibility with the REID system.

A competent person must ensure full compatibility of all system components to minimise the risk of unsafe operation.

Only locking carabiners, locking snap hooks, or other approved connecting devices should be used to attach to the anchorage points on this equipment.

Users must be protected from falling into the opening at all times during access, work, and rescue operations.

No alterations or modifications shall be made to the equipment.

A suitable rescue plan must be in place before the equipment is used.

Where required by local regulations, anchorage and connecting systems are required to meet the applicable minimum tensile strength requirements.

Any equipment subjected to a fall arrest event or abnormal loading must be removed from service immediately and not returned to use until it has been inspected and approved by a competent person.

Persons with medical conditions or physical impairments that may affect safe use of the equipment should not use the system.

CAPACITIES AND CAPABILITIES

Model-specific capacities are stated on the product and in the table below. These capacities must be reviewed before any operation is carried out.

Model	Materials	Personnel	Fall Protection
PTXTP-2.2	500kg	140kg	1 User EN795:2012 2 users (PD/TS16415:2013)

LIFTING OF MATERIALS

Each product is marked with a Working Load Limit (WLL). The stated WLL represents the maximum permissible load for the lifting of materials and equipment and incorporates the applicable safety factors. Under no circumstances should the marked WLL be exceeded.

LIFTING OF PERSONNEL

Each product is marked with a Working Load Limit (WLL). The maximum allowable system capacity must always be determined by the lowest-rated component within the complete lifting or fall protection system. All equipment used for personnel lifting should be suitable for that purpose and, where required, compliant with the applicable standards and regulations in force in the country of use.

FALL PROTECTION / ANCHORAGE USE

When used as part of a personal fall protection system, the product must only be used with compatible components approved for fall protection applications. Subject to the product-specific markings and the applicable Instructions for Use, the Reid PortX Tripod has been designed and tested to meet the requirements of EN 795:2012 and CEN/TS 16415:2013 for use by up to two persons.

Anchor devices forming part of a personal fall protection system must satisfy the applicable static and dynamic performance

criteria. The maximum permissible load and overall system performance must always be determined by the lowest-rated component in the complete system. The user and employer are responsible for ensuring that the anchorage arrangement, connecting devices, and associated equipment are suitable for the intended application and comply with the standards and regulations in force in the country of use.

Suspension trauma warning: Following any fall arrest event, prompt rescue is essential. The rescue plan must include arrangements to recover a suspended person without delay, in accordance with local regulations and the instructions for the fall protection equipment in use.

FALL PROTECTION CONSIDERATIONS



READ THIS SECTION CAREFULLY

In addition to the general rescue and evacuation arrangements, the fall protection system should be planned and verified to ensure that the selected anchorage arrangement, equipment configuration, and working position are suitable for the intended task. As a minimum, the following factors should be assessed before work begins:

- Identify the anchorage arrangement and confirm that the selected anchorage point and all connectors are approved for the intended fall protection application.
- Define the maximum free fall permitted by the personal fall protection equipment and ensure that the system configuration prevents excessive free fall.
- Calculate the required fall clearance, including equipment elongation, user height, connector length, safety margins, and any movement of the anchorage system.
- Assess and control swing fall hazards by positioning the tripod so that the user remains as directly below the anchorage as practicable.
- Prepare a rescue and evacuation plan before work starts.

The rescue and evacuation plan should, as a minimum, identify the rescue method, rescue equipment, competent personnel, communication method, emergency contacts, site access arrangements, casualty recovery route, precautions relating to suspension intolerance, and post-rescue medical escalation requirements.

ENVIRONMENTAL CONSIDERATIONS



READ THIS SECTION CAREFULLY

Before operation, the equipment and work area must be assessed for environmental conditions that could adversely affect safety, performance, or product life, or prevent the product from being used in accordance with the Correct Operation section.

Do not use the product outside its specified minimum and maximum temperature range. Avoid contact with contaminants or aggressive substances. If the product is exposed to adverse conditions, increase the frequency of maintenance and inspection.

Users should maintain effective communication throughout the use of the tripod. Consideration must be given to separation distances, line of sight, and environmental conditions that may affect communication.

Operators must wear appropriate personal protective equipment throughout use of the product, as required by local regulations and identified by the risk assessment.

TEMPERATURE RANGE

This product can be operated in ambient dry temperatures between -20°C and +55°C (-4°F and 131°F). Consult your supplier in case of extreme working conditions.

INSPECTION AND OPERATION



READ THIS SECTION CAREFULLY

INSPECTION PRIOR TO INITIAL OPERATION

Before the product is placed into service for the first time, it must be inspected by a competent person to confirm that it is complete, correctly assembled, and free from damage caused during transport, handling, or storage.

PRE-USE INSPECTION

Before each use, a competent person must inspect the tripod and all associated components to confirm they are safe, complete, correctly assembled, and suitable for the intended application. If any defect, damage, missing part, or malfunction is found, remove the equipment from service immediately until it has been inspected and approved for return to use.

General condition: Check that the tripod is clean and free from dirt, oil, grease, chemical contamination, corrosion, or any other substance that could affect safe operation or inspection.

Head assembly and structure: Check the tripod head, frame, and load-bearing components for signs of damage, cracking, denting, deformation, excessive wear, or other irregularities.

Legs and feet: Check that all legs are straight, undamaged, and free from distortion, and that the feet are present, secured, and in good condition.

Pins, holes, and locking features: Check that all pins, retaining devices, and locking features are present, correctly fitted, and functioning properly. Confirm that pin holes show no signs of wear, elongation, or damage.

Sheaves and moving parts: Check that all sheaves rotate freely and that there is no visible damage, seizure, excessive wear, or

obstruction affecting their operation.

Fasteners and fixings: Check that all bolts, nuts, fixings, and brackets are present, secure, not loose and free from damage.

Brackets and attachments: Check all mounting brackets, winch brackets, connection plates, and any attached accessories for damage, distortion, wear, or incorrect installation.

Labels and markings: Check that all product labels, safety decals, identification markings, and inspection information are present, legible, and securely attached.

Compatibility of accessories: Check that all winches, self-retracting lifelines, connectors, and other accessories are the correct type for the intended use, are compatible with the tripod, and have themselves been inspected in accordance with their own instructions for use.

Assembly and set-up: Check that the tripod is correctly assembled, level, and positioned on stable, suitable, non-slip surfaces, with all components installed in accordance with these instructions before loading or use.

CORRECT OPERATION

The equipment must be used only in accordance with these instructions, on a suitable supporting surface, and within its stated limitations. Safe operation requires competent use, correctly rated components, and appropriate control of site, load, and environmental hazards.

Assemble the product in accordance with these instructions, ensuring all pins are present and correctly fitted before use, and that only suitable, appropriately rated winches and connection plates are used.

Where practical, set up the product at a safe distance from the hazard or lifting area before moving it into its final working position.

Keep the tripod level, with its feet on stable, suitable, non-slip surfaces and positioned at least 300mm from the opening, unless an alternative arrangement is validated in the risk assessment.

Wear suitable personal protective equipment where required.

The risk assessment and method statement must account for any factors that may impose additional loading on the system during lifting operations.

Do not allow the load to swing, contact the system frame, or remain suspended unattended. Do not permit personnel to pass beneath a suspended load.

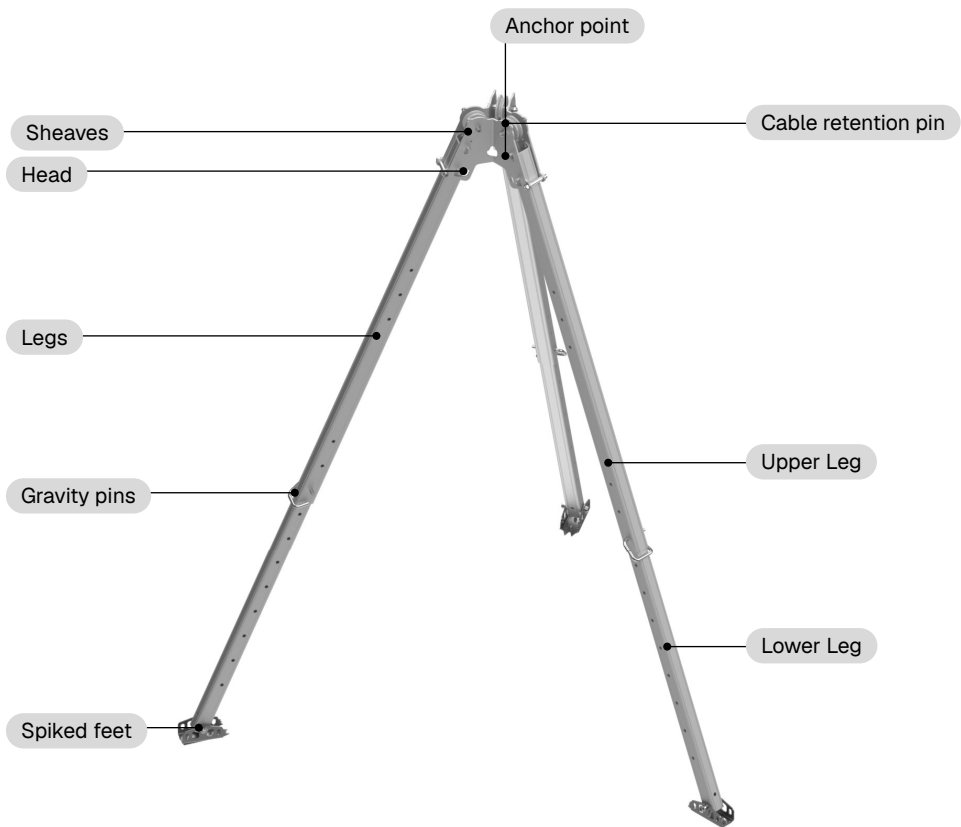
Use only one winch with each sheave, and ensure winch lines do not cross.

Stop use immediately if adverse weather or other site conditions affect safe operation.

Be aware of hazards during set-up and folding, including the risk of trapping fingers in moving or rotating parts.

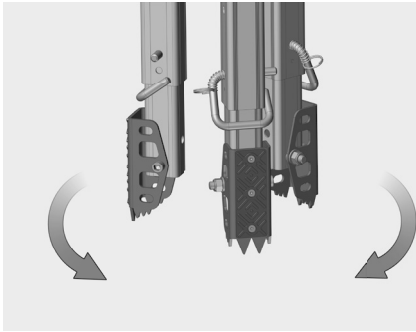
ASSEMBLY INSTRUCTIONS

The PortX Tripod and its constituent components are described in the image below.



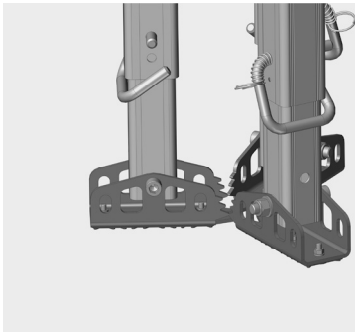
APPROPRIATE PPE MUST BE WORN

Gloves | Protective Footwear | Hard Hat



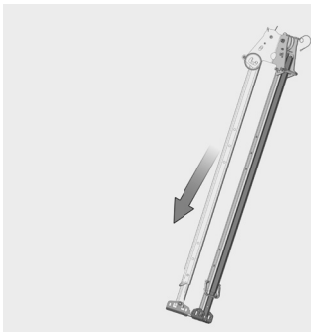
01

Fold out the feet



02

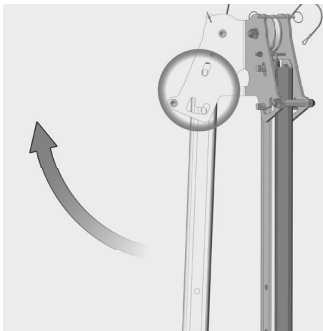
Feet in folded out position



03

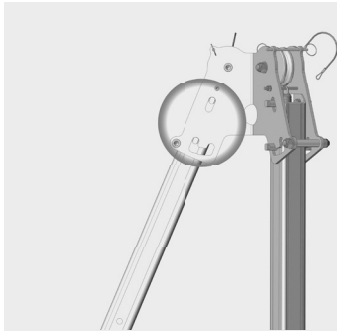
Holding the tripod at an angle, pull the leg down

Ensure control of the unit is maintained to avoid injury or damage.



04

Fold the leg outwards, insuring that the head plate pins lock securely into their upper position



05

Head plate pin locked securely into its upper position



06

Tripod is set the minimum height of lift.

If no additional height of lift is required move on to fitting the devices; step 13.



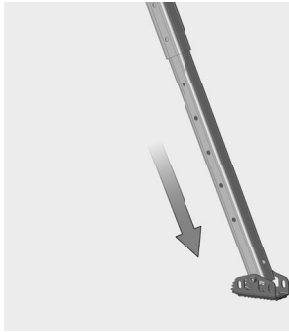
07

Rotate the gravity pin upwards to release the pin.



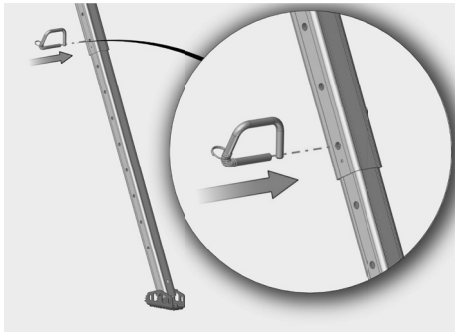
08

Remove the gravity pin



09

Extend the leg to desired length.

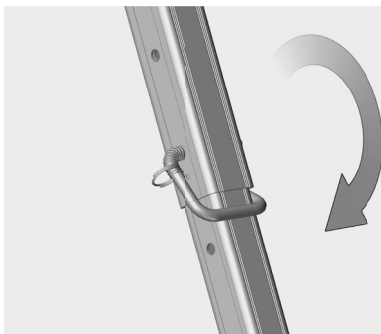


10

Insert the gravity pin to secure the leg.

The top-most holes are for device attachment only. Always ensure the gravity pin is placed in a lower position than any devices being used.

A label on each leg indicates the maximum height adjustment position.



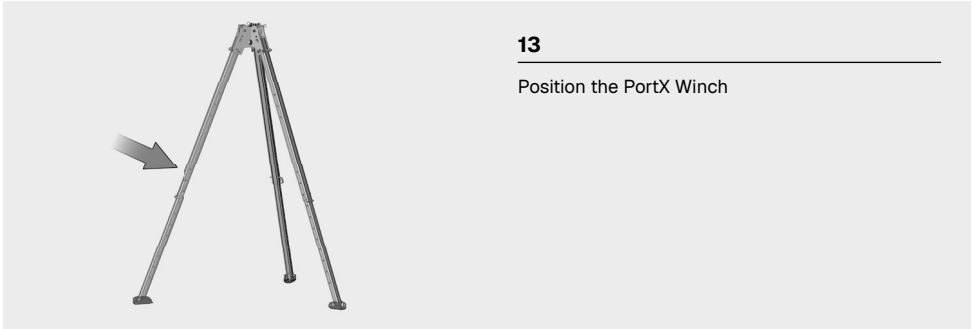
11

Ensure the gravity pin is folded down so that it cannot come loose.



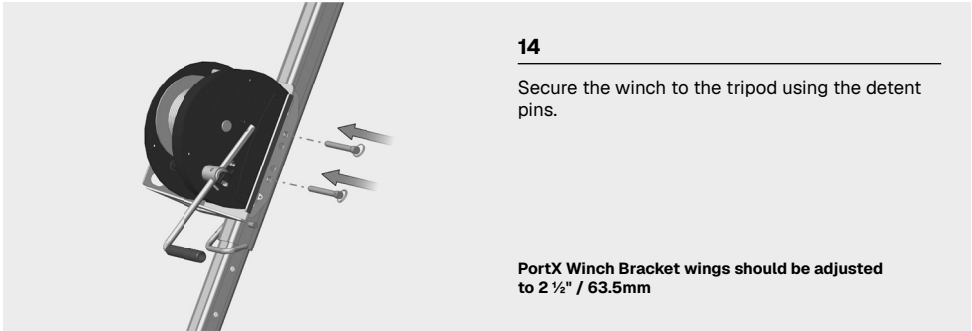
12

Repeat for all 3 legs as required.



13

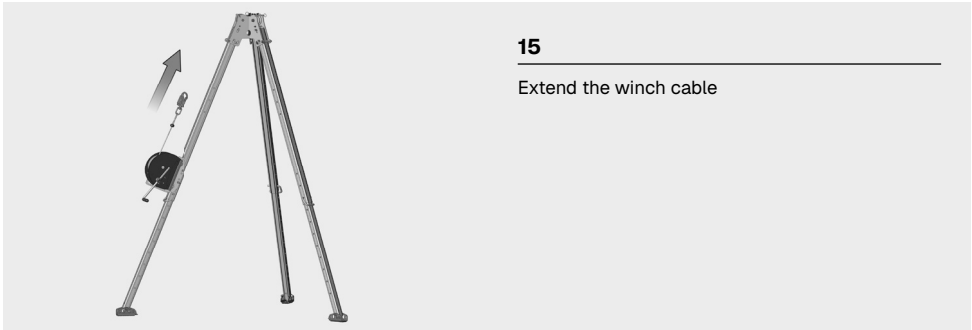
Position the PortX Winch



14

Secure the winch to the tripod using the detent pins.

PortX Winch Bracket wings should be adjusted to 2 ½" / 63.5mm



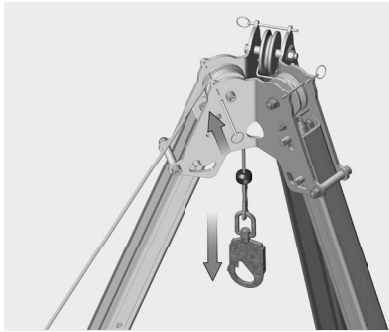
15

Extend the winch cable



16

Remove the cable retaining pin



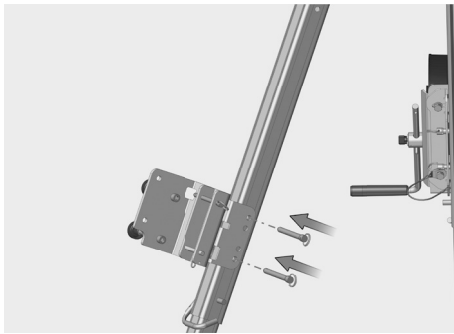
17

Route the winch cable over the sheave and secure by re-inserting the cable retaining pin.



18

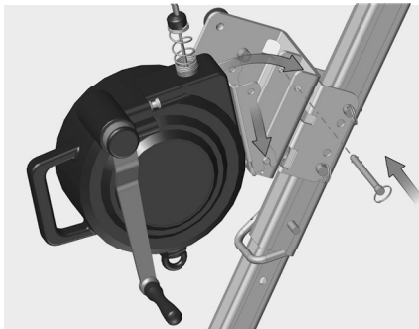
Position the PortX Rescue bracket.



19

Attach the bracket to the tripod using the detent pins.

PortX Winch Bracket wings should be adjusted to 2 ½" / 63.5mm



20

Attach the PortX Rescue to the bracket as shown, securing with the detent pin



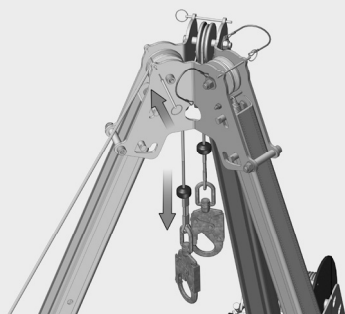
21

Extend the PortX Rescue cable.



22

Remove the cable retaining pin.



23

Route the PortX Rescue cable over the sheave, and secure by re-inserting the cable retaining pin.

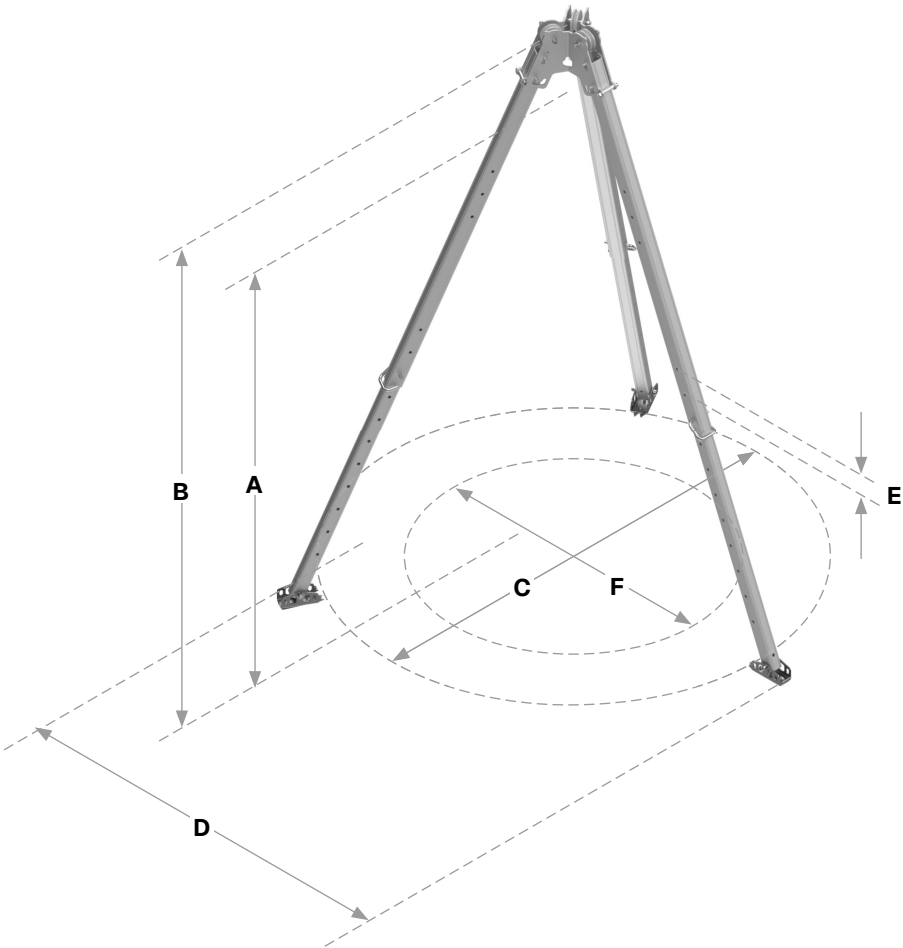


24

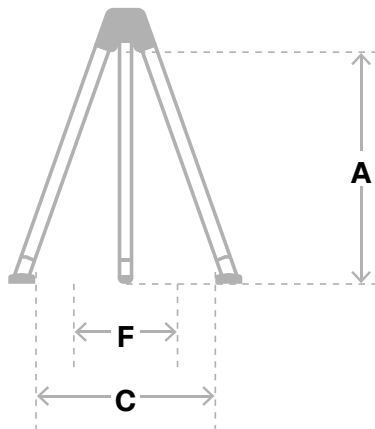
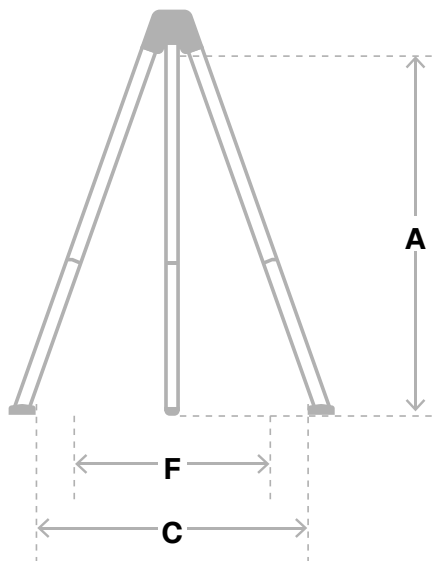
Tripod with PortX Rescue and Winch is ready to use.

Information for third party devices can be found at reidlifting.com.

DIMENSIONS



Dimensions (mm)											
Part Code	Height of Lift		Overall Height		Footprint		Width		Height Adjustment	Max Opening Diam	
	A Max	A Min	B Max	B Min	C Max	C Min	D Max	D Min	E	F max	F Min
PTXTP-2.2	2203	1464	2370	1631	2174	1562	1914	933	8 x 92	1574	962



Footprint at height adjustment points		
Height of Lift	Footprint	Maximum opening
A	C	F
2203	2174	1574
2111	2098	1498
2019	2021	1421
1927	1945	1345
1835	1868	1268
1743	1792	1192
1651	1715	1115
1559	1639	1039
1464	1562	962

SPECIFICATION OF PRODUCT

Item	Specification
Material	Aluminium
Leg height adjustment range	739mm (92.3mm increments)
Maximum working load - personnel	140kg
Working load limit - materials	500kg
Weight	19kg
Standards met	EN795, PD/TS16415:2013, EN1496 Section 4.6

INSPECTION, STORAGE AND MAINTENANCE

The equipment should be kept clean, dry, and in good working order. Any defect affecting safe use of the product requires that the product should be immediately removed from service.

Clean the equipment using methods and materials that will not damage the product or remove labels.

The inspection frequency should comply with local regulations, site conditions, and the manufacturer's requirements.

If inspection reveals defects, deformation, damage, missing parts, unreadable labels, or abnormal operation, remove the equipment from service immediately.

The system must be removed from use after any fall arrest event, overload, suspected damage, or if there is any doubt regarding its condition.

Store the equipment in a dry, clean environment, protected from impact, contamination, corrosive agents, and extremes of temperature.

SERVICE LOG

INSPECTION CHECKLIST

Area	Check	Condition / Notes
Head assembly	Cracks, distortion, wear, sheave condition, attachment points	
Pulleys / sheaves	Free rotation, wear, damage, seizure, alignment	
Legs	Straightness, deformation, dents, locking position, extension function	
Feet	Presence, wear, condition, grip, secure fit	
Pins and retainers	Presence, fit, locking function, wear of holes	
Brackets and attachments	Damage, distortion, fitment, suitability for accessory used	
Labels and markings	Present, legible, secure, current	
Accessories	Compatibility, inspection status, condition, correct installation	

QUALITY & SAFETY

REGULATIONS, STANDARDS & DIRECTIVES

This product complies with the following:

- EN795
- PD/TS16415:2013
- EN1496 Section 4.6
- Machinery Directive 2006/42/EC
- PPE Regulation (EU) 2016/425
- The Provision and Use of Work Equipment Regulations 1998 (S.I. 1998 No. 2306)
- The Lifting Operations and Lifting Equipment Regulations 1998 (S.I. 1998 No. 2307)

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

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] & UK CONFORMITY ASSESSED [UKCA]

REID Lifting's products have been designed, tested and approved (as appropriate) by the Conformité Européenne and UK Conformity Assessed. This certifies that REID Lifting's products meet the demands of the European and UK Directives and Regulations regarding Health and Safety requirements. The CE type-examination for this device has been carried out by SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland. (CE notified body no. 0598) and SGS United Kingdom Limited, Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, United Kingdom (UKCA approved body no.0120) in accordance with Module B of the Regulation (EU) 2016/425 and as brought into UK law and amended. The CE quality assurance system for this device has been carried out by SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland. (CE notified body no. 0598) and SGS United Kingdom Limited, Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN, United Kingdom (UKCA approved body no.0120) in accordance with Module D PPE Regulation (EU) 2016/425 and as brought into UK law and amended.

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 and notified bodies.

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

LANGUAGE

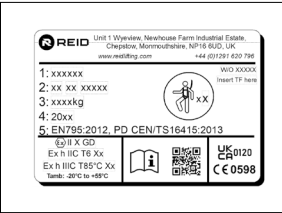
It is essential for the safety of the user that if this product is re-sold outside of the original country of destination, the reseller shall provide instructions for use, maintenance, inspection and repair in the language of the country where it will be used.

PRODUCT IPR

Intellectual property rights apply to all REID Lifting Ltd products. See reidlifting.com for more details.

PRODUCT LABELLING

THE FOLLOWING LABELS MUST BE PRESENT ON YOUR SYSTEM AND MUST BE LEGIBLE.



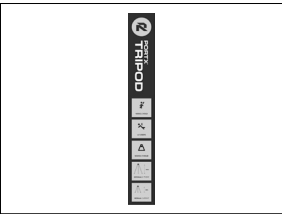
01 - Serial

x1 per head



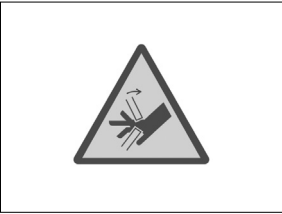
02 - Product name

x1 on 2 legs



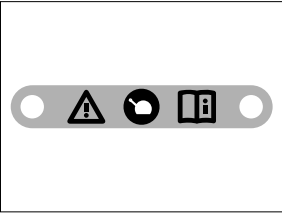
03 - Instructions

x1 per unit (positioned on the leg without product name)



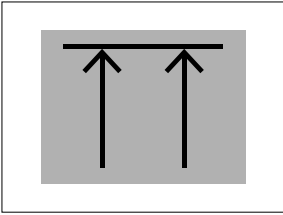
04 - Hand Pinch Warning

x1 per leg



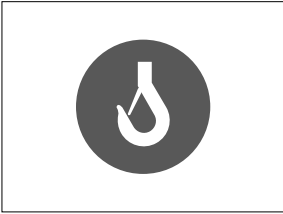
05 - Device positioning only

x2 per leg



06 - Do not extend beyond this point

x1 per leg



06 - Attachment point for hoist

x3 per unit

PRODUCT IDENTIFICATION & INSPECTION RECORD

MARKING



Unit 1 Wyeview, Newhouse Farm Industrial Estate,
Chepstow, Monmouthshire, NP16 6UD, UK
www.reidlifting.com +44 (0)1291 620 796

1: xxxxxx

2: xx xx xxxxx

3: xxxxxkg

4: 20xx

5: EN795:2012, PD CEN/TS16415:2013

 xX

W/O XXXXX
Insert TF here

 Ex h IIC T6 Xx

Ex h IIIC T85°C Xx

Tamb: -20°C to +55°C





UK
CA0120

CE 0598



The system is suitable for fall arrest applications. Specify number of users.
Max weight of 140kg.

THE SERIAL LABELS INDICATE:

- The product identification number
- The product's unique serial number
- The materials' capacity (WLL) of the device
- The year of manufacture
- The standards to which the device is approved
- The ATEX rating of the product (if applicable)
- CE Marking
- Minimum braking load (MBL)

INSERT DATA FROM SERIAL NUMBERS FOUND ON PRODUCT INTO TABLE HERE:



REID HEADQUARTERS

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