



Designers, Manufacturers and Suppliers of
Quality Height Safety & Rescue Equipment, Training & Consultancy

Users Manual

English Version

P&P 'RIGGA' Range of Inertial Reel Fall Arresters

Thank you for purchasing this **P&P 'RIGGA' Inertial Reel Fall Arrestor**. Please take time to familiarize yourself with the correct use and operation.

It is imperative that this **P&P 'RIGGA' Inertial Reel Fall Arrestor** is only used for its intended purpose and that it is subject to an annual recorded thorough examination by a competent person.

To avoid personal injury, prior to using this **P&P 'RIGGA' Inertial Reel Fall Arrestor** or training others to use it, **CAREFULLY READ** and understand these instructions. If there is anything you do not understand **DO NOT** use the **P&P 'RIGGA' Inertial Reel Fall Arrestor**, contact the supplier or **P&P** for further details.

Certain information in this manual is governed by law and is subject to change without prior notice. Great care has been taken to ensure that the information is correct at the time of publication. However, it is the user's sole responsibility to ensure that they fully comply with all legal requirements. **P&P** will not accept liability for any inaccuracy or incorrectly stated legal requirements.

P&P operate a policy of continual improvement and reserve the right to change specifications without notice. The Manufacturer and / or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in the connection with or by reason of or the inability to use the **P&P 'RIGGA' Inertial Reel Fall Arrestor** for any other purpose.

Note; training should only be delivered by a suitably qualified and competent person, i.e. a **P&P** products trainer.

Warning

In order to obtain optimum safety and performance please study and understand these instructions and receive adequate training by a trained and competent person before using this device. If in any doubt whatsoever about the safe use of this device seek the advice/supervision of a trained and competent person or contact the supplier. Please retain this information for future reference.

The **P&P 'RIGGA' Inertial Reel Fall Arrestor** is a component part of a Fall Arrest System and may be issued to anyone who needs to use it on a personal issue basis. These User Instructions must be issued to the end user of this device who must maintain a record of the annual thorough examination on the Inspection Form provided.

Product Conformance

P&P 'RIGGA' Inertial Reel Fall Arrestors all conform to BS EN360:2002 Personal protective equipment against falls from a height - retractable type fall arresters.

In addition the **P&P 'RIGGA' 15R** conforms to BS EN1496:2006 Class A and B - rescue lifting device.

The '**P&P RIGGA**' range is available in various line lengths to suit a user's specific requirement. The maximum working length is designated by the model number i.e. a **P&P RIGGA 06** has a maximum working length of 6m. The 15m device is also available as a Rescue/Recover version and is designated 15R.

P&P 'RIGGA' Model Type Specifications

Model No	RIGGA 06	RIGGA 10	RIGGA 15	RIGGA 15R
Line length	6m	10m	15m	15m
Retractable Line 5mm wire 7 * 19 BSEN 12385:2002	Galv. Wire	Galv. Wire	Galv. Wire	Galv. Wire
Standards	BS EN360 2002	BS EN360 2002	BS EN360 2002	BS EN360 2002 BS EN1496 2006
Weight	4.75kg	6.25kg	8.75kg	10.10kg

Warning

All work at height including the use of Personal Protective Equipment (PPE) as a control measure is subject to a suitable and sufficient risk assessment.

System Requirements and Limitations of Use

This **P&P 'RIGGA' Inertial Reel Fall Arrestor** is intended for use as a Fall Arrest (Fall Arrest Block) or Recovery (Rescue, Recovery Block) device and is not intended for use for work positioning, man-riding, goods lifting or moving/lifting materials.

This **P&P 'RIGGA' Inertial Reel Fall Arrestor** may only be used with appropriate items of CE certified PPE in line with the requirements of European Directive 89/686/EEC. This device is not intended for use for any other application other than the purpose for which it is designed.

Warning: This **P&P 'RIGGA' Inertial Reel Fall Arrestor** must not be used where the terrain and/or anchorage point is unstable (e.g. grain silo's, shifting sand, powder, sludge, etc) as a slow descent will not activate the braking system.

Maintenance

This **P&P 'RIGGA' Inertial Reel Fall Arrestor** has no user serviceable parts and must not be disassembled or adjusted except by the manufacturer or approved service agent. User maintenance is limited to pre-use inspection, cleaning, drying and storage as described in these User Instructions. When maintenance is required consult the supplier/manufacturer. Do not tamper with or adjust any part of the device. The device must not be engraved in any way.

Temperature/Climatic Conditions

This **P&P 'RIGGA' Inertial Reel Fall Arrestor** may be used in normal climatic conditions within a temperature range of +50°C to -30°C; it is not intended for use outside these limits.

Electrical Hazards

Due to the highly conductive nature of the materials used in the construction of this **P&P 'RIGGA' Inertial Reel Fall**

Arrester use Extreme Caution when working near unprotected high voltage sources. If in doubt, ask!

Chemical Contamination

Avoid prolonged exposure to corrosive chemical reagents. If contamination occurs refer to Cleaning and Disinfection.

Sharp Edges, Abrasion, Cutting

Wire rope should not be allowed to pass over a sharp edge without an edge protection device in place. In the event of a fall arrest, the wire rope may be damaged.

General Operation

The mechanism in this device is activated by centrifugal force acting on the brakes. This action is produced by the inertia of a fall rapidly spinning the internal drum which in turn causes the brakes to lock and arrest the fall. Slow reeling of the line will not activate the brake. If the brake locks – due to a fall – the mechanism will reset if the load is removed. In a fall arrest situation the mechanism will limit the force acting on the body to less than 6kN.

Compatibility of Components

In line with the requirements of European Union Directive 89/686/EEC this **P&P 'RIGGA' Inertial Reel Fall Arrester** should only be used with CE certified items of Personal Protective Equipment (PPE). The end user must read and understand the User Instructions supplied with other items of PPE to be used in conjunction with this device. If in doubt about the compatibility of other items of PPE to be used, consult the supplier. Full body harnesses used with this device must conform to BS EN361.

Anchorage Point

Select a stable anchorage point with a minimum strength of 12kN (e.g. I beam, RSJ, Eye Bolt, Tripod). Attach the fall arrester swivel to the anchorage using an EN362 connector or link. The anchorage point must be above the position of the user. **See side label pictogram**

Pre-Use Inspection

If the **P&P 'RIGGA' Inertial Reel Fall Arrester** is known to have arrested a fall it must be removed from service immediately and returned for inspection and servicing.

Before each use check (a) that the brake operates correctly (b) that the inertial reel arrester is securely anchored level with or above the user (NEVER below) (c) that all components to be used in conjunction with this device are CE approved and in good condition (d) avoid where possible anchoring the device in such a position that could result in a 'pendulum/swing fall' (this may occur if the device is positioned at > 30° from the vertical in relation to the end user).

Extend the wire rope fully (wearing suitable protective gloves) and inspect along its length for damage, such as (a) broken wires (b) frayed wires (c) soiling and/or corrosion (d) kinks and twists in the wire (e) inspect the swage for damage, cracks, etc. (f) check the connector(s) being used as per the User

Instructions supplied with the connector (g) check that the Overload Indicator is not exposed.

Check the device housing for signs of mechanical deformation, cracks, or chemical contamination and/or other defects.

In the event of any doubt consult a trained and competent person.

Retract the wire rope slowly; during retraction give the wire rope a sharp sudden tug in order to activate the braking mechanism. This check should be carried out along the full length of the rope at approximately 20% increments. If the braking system is not activated or if any of the above criteria fail then the device must be removed from service.

Rescue Planning

The end user(s) should anticipate and plan rescue and recovery activities before use as part of a planned Risk Assessment for each use event and in the event of a fall or other scenario where rescue and recovery may be required. Speed of rescue and recovery must be considered as post fall injury can result if suspension time following a fall is prolonged.

Rescue Plan

As part of your risk assessment you **MUST** have in place a rescue plan to deal with any emergency, which may occur during use. Access to the user, directly or indirectly and their safe retrieval is of paramount importance, including preparations for dealing with potential Post Fall Suspension Syncope

In Use

Ensure the steel wire rope is kept under spring tension and clear of any obstructions. Avoid the risk of a 'pendulum/swing fall' injury by working wherever possible as close to and directly below the anchorage point.

Ensure there is a minimum clearance beneath the user's feet of 1.6 metres so that in the event of a fall, obstructions (such as the ground) may be safely avoided.

This **P&P 'RIGGA' Inertial Reel Fall Arrester** is of sturdy construction and uses 5mm 7*19 galvanised steel wire rope to BSEN12385:2002; however, all items of PPE should be handled with care and not dropped. When in use, care should be taken to avoid damage, which may be caused by items coming into contact with the device and the fall arrest system.

This **P&P 'RIGGA' Inertial Reel Fall Arrester** is designed to protect ONE person. Only ONE person may be connected to this Fall Arrester at any time.

Attach the **P&P 'RIGGA' Inertial Reel Fall Arrester** line connector to the D ring on the users harness marked with an 'A', either front sternum or rear dorsal for fall arrest or extended overhead attachment point for rescue and recovery operations. **See side label pictogram**

This device is designed to function vertically or at an angle of no more than 30°. The supplier or manufacturer should be

consulted if it is required to use this device at greater than 30° from the vertical. **See side label pictogram**

The wire rope must be paid back into the device slowly. The wire must not be allowed to feed back into the device in an uncontrolled manner. Uncontrolled reeling may result in lock up. In the event of the lockup consult the supplier or manufacturer for advice.

Rescue/Recovery 'RIGGA 15R'

Warning

The lifting/lowering function is for rescue purposes only and should not be used for lifting/lowering loads

Release the winding handle docking mechanism.

Pull out the winding handle locking pin. Turn the winding handle anticlockwise while pushing down on the handle shaft in order to engage the winding gear.

Release the locking pin and ensure that the winding handle is locked in gear.

The person being rescued can now be raised or lowered by winding the handle clockwise or anticlockwise. Ensure that there is direct or indirect visual contact or some other means of communication with the rescuee at all times during the rescue process.

This is a Class A & B rescue lifting device and may be used under the following circumstances.

- The lifting device shall only be used if an unhindered lifting process is possible – it must not be used if obstacles present a hazard to the lift.
- The lifting/lowering function is for rescue purposes only and should not be used for lifting/lowering loads.

Cleaning, Drying, Storage and Transportation

The **P&P 'RIGGA' Inertial Reel Fall Arrester** casing and wire should be cleaned using water of domestic supply quality at <40°C. A mild, neutral pH soap/disinfectant (in dilutions recommended by the manufacturer) may be used in the event of extreme soiling, or if the device has been exposed to hazardous environments (e.g. drains, biohazards, etc).

The device should be rinsed thoroughly with water of domestic supply quality at <40°C.

The device must be allowed to dry naturally away from any source of heat.

This device should be stored in a cool, dry, clean, chemically neutral environment away from sources of heat and exposure to UV light.

Care should be taken during transportation in order to avoid hazards that may result in damage to the device or injury to person(s).

Lifespan

This **P&P 'RIGGA' Inertial Reel Fall Arrester** should be subject to a thorough examination at least once a year by a trained and competent person (this must be a **P&P** approved service agent). In the event of an arrested fall the device should be immediately removed from service and returned to the supplier/manufacturer for service.

The lifespan of this device may be as little as one year in extreme conditions or in the event of fall arrest (see above).

If however the inertial reel arrester is regularly serviced, correctly stored and not subject to extreme environments or working conditions then the manufacturer recommends a 10 year life from date of first use. In the event of any doubt whatsoever please seek the advice of a trained and competent person or the supplier.

Warning

This **P&P 'RIGGA' Inertial Reel Fall Arrester** must be used by persons who are medically fit to do so. If you have any medical condition, are recovering from any medical condition or suffer from any physical or mental disability you must seek professional medical advice before using this arrester.

Product Details

This manual must be retained by the user.

The Product Code, Serial Number and date of Manufacture of this **P&P 'RIGGA' Inertial Reel Fall Arrester** should be entered on the back page of this manual for future reference and inspection records.

Note: The device serial number is laser etched into the inertial reel swivel connector.

About This Manual

This User Manual is for English speaking countries only. If you require this manual in a different language, please Contact **P&P**. When this item is sold on, this manual must accompany it and be supplied in the language of the destination country.

INSPECTION RECORD

Supplier: Date Purchased:/...../..... User Name: Date First Used:/...../.....

Date	Pass/ Fail	Comments / Actions	Next Inspection Due	Print Name	Signed
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EC DECLARATION OF CONFORMITY

Notified Body Issuing EC Certification

SGS (UK) Ltd

Worle Parkway

Weston-Super-Mare

Somerset

BS22 6WA

UK

Notified Body Number 0120

Explanation of Markings

CE Marking: Meets the requirements of European Directive 89/686/EEC.

0120CE Notified body number and CE mark

All P&P 'RIGGA' Inertial Reels conform to BS EN360:2002 Personal Protective Equipment against Falls from a Height, Retractable Type Fall Arresters.

In addition to BS EN360: 2002 the 'RIGGA 15R' conforms to BS EN1496:2006 Class A and B Lifting Device.

Production Code/Model Number (All 'RIGGA' Inertial Reels)

yydddXXXX year of manufacture and traceable batch code e.g.(09 year, day of year, XXXX unique serial number)

Pictograms front label and side: reminder to read and understand these user instructions (book pictogram) and user warnings.

Production Code/Model 'RIGGA 15R' BS EN1496, Class A and B Rescue/Recovery Lifting Device

150kg: Maximum working load/rated load

15m: Maximum lifting distance (line length)

PRODUCT NAME:.....

PRODUCT CODE:.....

SERIAL NUMBER:.....

DATE OF MANUFACTURE:.....

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