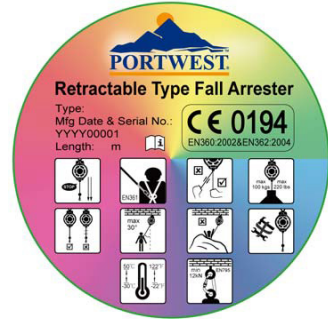


# PORTWEST

Manufacturer: Portwest Ltd., Westport, Co. Mayo, Ireland

All declarations of conformity for Portwest products are available at

[www.portwest.com/declarations](http://www.portwest.com/declarations)



D1

**CE 0194**  
**CE 0321**  
**CE 1105**

**EC type examination of notified body that is involved with the design stage and production control phase are performed by:**  
 INSPEC International Ltd., 56, Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, UK. **Notified Body : 0194**  
**SATRA Technology Centre Ltd.**, Wyndham Way Telford Way, Kettering, Northamptonshire, NN16 8SD, UK **Notified Body : 0321**  
**CCQS UK Ltd** Level 2, 5 Harbour Exchange Square, London, E14 9GE, UK **Notified Body : 1105**

**EN355, EN360, EN362, EN353-2, EN795**

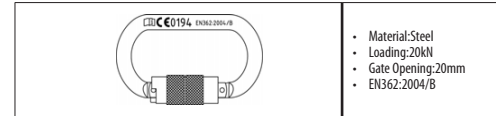


## STYLE:

- FP40
- FP41
- FP48
- FP39
- FP35
- FP30
- FP36
- FP02
- FP05

## D2

### CARABINER:



### OPERATION

Action 1 Turning the gate 90 degree.	Action 2 Pressing the gate inward to open the gate.	Action 3 Releasing and the gate will be closed by automatically locked.

If you have any questions concerning the condition of your product, or have any doubt about putting it into service, contact the manufacturer.

### CLEANING & DISINFECTION

Contaminants such as mud, sand, paint, ice, dirty water, etc. may prevent the device from working properly. Clean and dry the product if necessary. Periodically clean the exterior of these devices with a soft damp cloth without using solvents, acids or alkaline solutions. Wipe off all surface dirt, mud, dust, etc. with a damp sponge. Complete by sponging with clear water and completely dry with a clean cloth. Do not lubricate any parts in the device. The metal parts should be wiped with a cloth impregnated with rust preventive oil. Do not submerge it into water or any other liquid that could alter the lanyard strength or the fall arrester operating mechanism.

### PERIODIC EXAMINATION

In addition to the inspection before each use, at least every 12 months, a rigorous examination of the device must be carried out by a competent inspector. This frequency can vary depending on the frequency and intensity of usage. Performing periodic examination on a regular basis is essential to ensure the continued efficiency and durability of the device, on which the safety of the user depends. The results of the examination will be related on the "EQUIPMENT RECORD" that is supplied with every device and that must accompany the device. Record the inspection results with the following details: type & model of equipment, trade name, serial number, manufacturer contact information, year of manufacture, date of purchase, date of first use, date of next periodic inspection, problems, comments, the name and signature of the inspector.

### EXAMINATION STEPS

- Inspect entire device, including connectors, fasteners, casing, etc. Inspect the entire equipment for damage, corrosion, or rust. Look for cracks, bends, or wear that could affect strength and operation of the system.
- Inspect the housing for distortion; cracks; or other damage.
- That main body housings fit evenly and that there are no gaps between sections.
- Inspect the fall arrester for loose bolts and bent or damaged parts.
- Check for contact with acids or other chemicals.
- Pull out total length of lanyard to ensure it is not damaged.
- Any component with a cut or substantial abrasion should be scrapped.
- Inspect the Webbing:
- The webbing must be free of knots, excessive soiling, heavy paint buildup, and rust staining.
- All Webbing should be free of frayed, cut or broken fibers. Check for tears, abrasions, mold, burrs, discoloration, etc.
- Look for cuts in the webbing, wear and damage due to use, to heat, and to contact with chemical products, etc. Be particularly careful to check for cut threads, and loose or broken stitching.
- Inspect stitching for pulled or cut stitches. Broken stitches may be an indication the energy absorber component has been impact loaded and must be removed from service.
- The condition of the wire rope (when making this check, always wear gloves to avoid the possibility of laceration by broken wire strands):
- Check by pulling entire length of lanyard out and allowing its slow retraction through your protected hand. Do not allow the lanyard to retract uncontrolled. Doing so can cause damage to the lanyard or the rewinding spring.
- Inspect the wire rope for cuts, kinks, burrs, broken wires or strands, chemical damage, and severe abrasion.
- Cracked or distorted wire rope thimbles may indicate that the lanyard has been impact loaded and must be removed from service.
- Inspection of metal components :
- The hardware must not be damaged, broken, distorted, or have any sharp edges, burrs, cracks, worn parts, or corrosion.
- For plated components, check for deterioration in the protection and for signs of corrosion.
- Check locking system of the connectors, ensure that the return spring is functioning properly and that there is not sideways play on the latch in the closed position. Open and release the gate to verify it is closing and locking properly.
- The gate must not be blocked by foreign matter. Contaminants such as mud, sand, paint, ice, dirty water, etc. can prevent the locking system from working.
- Inspect the locking function:
- Verify that the lanyard pulls out and retracts fully without hesitation or slack in the line.
- Pull the lanyard out fast enough to lock the system; repeat operation 3-5 times to ensure satisfactory operation.

### MARKINGS

**D1 REFER TO DIAGRAM AT BEGINNING OF USERSHEET**

- The retractor functioning by dynamic pulling the lanyard. The lanyard should block and stops pulling out. After releasing the lanyard the retractor should pull in the lanyard.
- Use only a full body harness conformed to EN361. Always ensure that only the upper dorsal D-ring marked with capital 'A' on the full body harness shall be used in a fall arrest attachment.
- Ensure that the device is connected to a fixed anchorage point that conforms to EN795 that can resist up to 12 kN pulling force.
- Don't tamper with the device. Don't repair the device yourself.
- Recommended working temperature -30°C to 50°C
- This product is capable of arresting fully the fall of a person with 100KG bioby weight including clothing and tools)
- Pull the lanyard vertically and check the retracting and locking function of the cable/webbing.
- Can not stop a sinking (pulverulent or muddy products)
- During moving of the worker, the working lanyard deflection from the vertical line up to 30° is allowed.
- The lanyard does not show any sign of wear (tear, fraying, breaking, corrosion, discoloration, etc)

PLEASE COMPLETE THE FOLLOWING EQUIPMENT RECORD AND KEEP THIS RECORD FOR REFERENCE.

REFER TO DIAGRAM AT END OF BOOKLET

## EN USER INSTRUCTIONS

### CONNECTORS PLEASE READ THESE INSTRUCTIONS BEFORE USING ANY EQUIPMENT

All these products comply with the requirements of Regulation (EU 2016/425) EN355:2002, EN360:2002, EN362:2004, EN795:2012 and EN353-2:2002

### WARNING – IS NOT ALLOWABLE TO MAKE ADDITIONS OR MODIFICATIONS TO THE DEVICE.

This product is part of a Personal Fall Arrest System. The user must read and follow the manufacturer's instructions for each component or part of the complete system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions or have them explained to them before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. PORTWEST will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

It is the responsibility of the user to assure they are familiar with these instructions, and are trained in the correct care and use of this equipment. User must also be aware of the operating characteristics, application limits, and the consequences of improper use of this equipment. If you have any questions on the use, care, or suitability of this equipment for your application, contact the manufacturer before proceeding. When using this equipment, the employer must have a rescue plan and means at hand to implement it and communicate that plan to users, authorized persons, and rescuers. The owner must ensure that a rescue plan that deals with any emergencies that could arise during work is in place and that the users are familiar with this.

There must be sufficient clearance below the worker to arrest a fall before striking the ground or obstruction below. The clearance required is dependent on the following factors: elevation of anchorage, connecting subsystem length, deceleration distance, free fall distance, worker height, movement of harness attachment element.

A fall arrest system consists of the illustrated individual components and may only be used with tested and approved components. Do not alter or intentionally misuse this equipment. Consult the manufacturer when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment.

### APPLICATION, PURPOSE, AND LIMITATION - CAUTION:

In the event of a Fall Arrester being subject to shock loading, as the result of a fall or any other sudden shock, it must be removed from service.

### LIMITATIONS

Never connect more than one person to the fall arrester. Recommended working temperature= -30°C to 50°C. Anchorage strength requirement is 12 kN. Avoid lanyard contact with sharp edges. The device should be anchored directly overhead to minimise the hazard of a swing fall. Swing hazard angle must not exceed 30°. CAUTION: Never permit more than one person at a time to be connected to the fall arrest device.

### INSTRUCTION MANUAL -

Non compliance with instructions concerning use storage maintenance may damage and/or alter the proper operation of the equipment. This product should be used by trained and/or competent person, or the user should be supervised by a trained and/or competent person.

Before and after use, height of falls must be anticipated. The user must always check the open space below himself to avoid any clash with obstacles. Equipment should be inspected before each use (BEFORE USE) and more thoroughly at regular intervals (PERIODIC EXAMINATION). Results of all detailed inspections should be recorded and records should also be kept of use and maintenance.

It is preferable to issue new equipment to each user of PPE so that he/she will be able to know its entire usage history. If necessary, the user should mark his/her own name somewhere on the equipment for identification. The user also has responsibility to preserve the product well. Do not open the fall arrester as the spring is under tension. The equipment with a retractable lanyard made from webbing (polyester or nylon) shall sustain a force of at least 15 kN, or made from wire rope (steel) shall sustain a force of at least 12 kN.

### BEFORE USE

Before each use of personal protective equipment it is obligatory to carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used. Ensure that the recommendations for use of each of the components is complied with as stated in the user instruction. It is strongly recommended that components used on the system come from the same manufacturer to ensure product reliability and performance consistency. You must read and understand, or have the following instructions explained to you before using this equipment. Failure to do so could result in injury or death. Do not use personal fall arrest devices where, during an unexpected fall, the body could strike obstructions that will cause injuries or be fatal to the user. The pre-use check consists of a visual and tactile inspection, which should be carried out before first use each day.

Before each use inspect the fall arrester, including locking function (pull sharply to test), retraction function, lanyard condition, function and condition of connectors, housing and fasteners, legibility of labels, and any evidence of defects, damage, or missing parts. Verify that all labels are present and are fully legible. Inspect anchorage connectors for damage, corrosion, and proper working condition. The entire device is in perfect condition and make sure no foreign matter has entered the casing. All of the visible assembly screws and rivets are present and properly tightened.

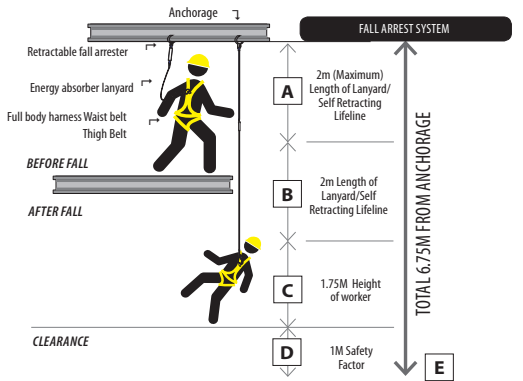
The connector at the top of the fall arrester and ensure freedom of movement. Check for signs of distortion, cracks, burrs, or worn parts and ensure that keeper is closed. Inspect the connectors before each use. Make sure it is free of damage, deformities, or excessive wear or corrosion. The gate and lock should operate smoothly, with no difficulty. Gates must fully close and engage nose of hook.

If present, inspect the energy absorber to determine if it has been activated. There should be no evidence of elongation. Ensure the cover on the energy absorber is secure and not torn or damaged. Ensure the lanyard extracts freely throughout its full range. Pull sharply in lanyard to test locking, ensure proper, smooth retraction. Inspect the lanyard for damage. Under no circumstances should the fall arrester be used if the lanyard has any defect, i.e. broken or flattened lanyard strands, cut fibers, or is not retracting correctly.

Should there ever be any doubt about the continued serviceability of an item of equipment, the matter should be referred to a competent person or the equipment should be quarantined or discarded. Users must be medically fit for activities at height. Warning, inert suspension in a harness can result in serious injury or death.

### FALL CLEARANCE

The clearance required is dependent on the type of connecting subsystem, the anchorage location, and the elongation characteristics of the lanyard. Make sure that the anchor point is correctly positioned, in order to limit the risk and the height of a fall. The necessary minimum clearance below the feet of the user, in order to avoid collision with the structure or ground in a fall from a height = 3 metres, With a mass of 100 kg the clearance is the arrest distance 2 metres plus an extra distance of 1 metre.



### USAGE

- This equipment should be used only by trained and competent persons. Otherwise the user should be under the direct supervision of a trained and competent person.
- This is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such a way, as to minimise both the potential for falls and potential fall distance.
- Swing falls can be minimized by working as directly below the anchorage as possible. A fall from more than 30° from vertical will produce a swing effect which could cause injury or death as a result of striking an obstruction.
- Do not leave the lanyard extended for long periods of time while device is not in use. Allowing the lanyard to be fully extended for long periods of time may cause premature weakening of the retraction spring.
- Always keep the lanyard clean and free of dry mud, cement, etc. Failure to do so could result in premature locking and rewinding failure.
- It is essential to avoid contact with any chemical that could affect the performance of the equipment. These include all acids and strong caustic substances. The equipment should be withdrawn from service if contact does occur or is even suspected.
- If any damage or faults are found during operation, or in case of circumstances which may jeopardize safety: **IMMEDIATELY STOP THE WORK IN PROGRESS.**

### PRECAUTION FOR USE

The equipment requires periodic servicing to ensure safe and proper working condition. Pull sharply on lanyard to test locking before each use, Ensure proper smooth retraction Do not use personal fall arrest devices where obstructions may slow down the user and prevent the mechanism of the device from locking. Should a fall occur, the device will lock and arrest the fall. Any equipment subjected to the forces of arresting a fall or exhibiting damage consistent with the effect of fall arrest forces must be removed from service immediately.

### INSTALLATION & OPERATION

The user must read and follow the manufacturer's instructions for each component or part of the complete system. These instructions must be provided to the user and installer of this equipment. The user and installer of this equipment must read and understand these instructions before use or installation. Follow the manufacturer's instructions for safety equipment used with this system. This equipment is intended to be installed and used by persons who have been trained in its correct application and use. Anchoring points should as far as possible be directly above the user. Swing falls occur when the anchorage point is not directly above the point where a fall occurs. Avoid working at more than 30° from the vertical. The force of striking an object in a swing fall may cause serious injury or death. Consider hazards associated with connecting and disconnecting from the system. Ensure adequate anchor points, landing platforms, or other means are available at connection and disconnection points to allow safe transitions to and from the system. The weakest part of most connectors is the gate and loading against it should be avoided. The connectors must be free to move without interference; any constraint, loading over an edge, or external pressure reduces its strength. While attached to the fall arrester, the worker is free to move about within recommended working areas at normal speeds. The lanyard should extend smoothly and retract without hesitation.

### CAUTION:

All of the equipment which is recommended by PORTWEST should be used as part of a complete Personal Fall Protection Systems. The buyer or the user choosing to disregard this warning is solely responsible for the safety of the entire system. The employer and the employee recognize that all components of the Personal Fall Protection Systems be compatible with one another before use.

### ANCHORAGE POINT

The anchorage location must be carefully selected to reduce possible swing impact hazards and to avoid striking an object during a fall. The anchor point for the system should preferably be located above the user's position and should meet the requirements of the EN 795 standard (minimum strength of 12 kN).

### CONNECTORS / EN362

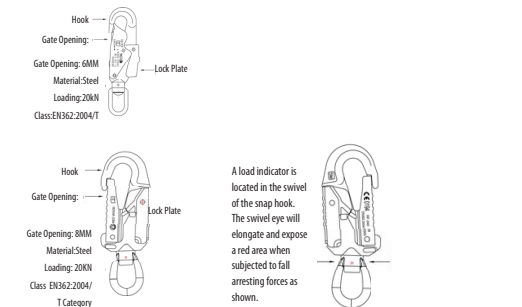
This connector can be used with personal fall protection systems such as a personal fall arrest, restraint, work positioning, suspension, or rescue system. The user must read and understand the manufacturer's instructions for each component or part of the complete system. These connectors are designed to be used only as specified in each product's user instructions.

### CARABINER: REFER TO DIAGRAM AT BEGINNING OF USERSHEET

Oblong shaped carabiner have a high Major axis strength. The strength of a connector is determined by applying an outward force along its length (the major axis) using two round metal bars.  
**Action 1** Turning the gate 90 degree.  
**Action 2** Pressing the gate inward to open the gate.  
**Action 3** Releasing and the gate will be closed by automatically locked. Class B means Basic connector

### SWIVEL SNAP HOOK:

A load indicator is located in the swivel of the snap hook. The swivel eye will elongate and expose a red area when subjected to fall arresting forces as shown.



Class T means : Termination connector

### OPERATION

**CHECK THE SWIVEL SNAP HOOK TO BE SURE THAT IT OPERATES FREELY, LOCKS, AND THE SWIVEL OPERATES SMOOTHLY.**  
**Action 1:** To connect the snap hook to the connection point, depress the locking mechanism on the back side with finger and press in on the gate with thumb.  
**Action 2:** When positioned around a connection point, release the gate to close by automatically locked.  
**Action 3:** Inspect the installation. The hook should completely enclose the connection point and be securely closed and locked. Always check!

### REMINDER:

The connector must always be used with the gate closed and locked; its strength is greatly reduced if the gate is open. Open the gate and verify that it closes itself automatically when released. Systematically verify the gate is fully closed and locked by pressing it with your hand. When closed, the connector has greatest strength along its long axis. Loading in any other direction reduces its strength. The connector must be able to move freely and without interference; any constraint or external pressure is dangerous. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. CAUTION: Retire the equipment if it shows any sign of reduced strength or impaired function. Destroy retired equipment to prevent further use.

### MAINTENANCE, SERVICING AND STORAGE

Equipment should be correctly stored and maintained, and should be traceable back to the manufacturer or his authorized representative. Good maintenance and appropriate storage of your PPE will prolong the life of your product, while guaranteeing your safety. Non compliance with instructions concerning storage and maintenance may damage or alter the proper operation of these products. The consequences of not observing these instructions may be grave and serious.

### SERVICE LIFE

The lifetime is difficult to predict without taking into account the conditions of use. It depends on the intensity and frequency of use, and on the environment where the product is used. To prolong the life of this product, take care when transporting and using it. Avoid impacts, and rubbing against abrasive surfaces or sharp edges, etc. These products deteriorate slowly with age regardless of use and this ageing is accelerated by heavy and dynamic loadings. Certain environmental factors will greatly accelerate wear: salt, sand, snow, ice, moisture, chemicals, etc. (list not exhaustive).

### A product must be retired when:

- It has been subjected to a major fall (or load).
- It fails to pass inspection.
- Product showing excessive wear or deterioration.
- You have any doubt as to its reliability.
- You do not know its full usage history.
- When it becomes obsolete due to changes in legislation, standards, technique or incompatibility with other equipment, etc.

### CARE

This product must be protected from extreme temperatures, mechanical forces, chemical substances, sharp objects, and UV radiation at all times. These equipments requires no particular maintenance, but it is recommended to: To help maintain product traceability, do not remove any markings or labels. You must check to ensure that the product markings remain legible during the entire lifetime of the product. An excessive buildup of dirt, paint, etc. may prevent the equipment from working properly, and in severe cases degrade the product to a point where it weakens and should be removed from service. Do not leave the device out in bad weather.