D1



	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.	100 kgs 220 bs	This product is capable of arresting fully the fall of a person with 100KG bioby weight including clothing and tools)
EN361	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.	× × ×	Pull the lanyard vertically and check the retracting and locking function of the cable/webbing.
	Ensure that the device is connected to a fixed anchorage point that conforms to EN795 that can resist up to 12 kN pulling force.	8	Can not stop a sinking (pulverulent or muddy products)
& * 4	Don't tamper with the device Don't repair the device yourself.	[™] ¶ 9	During moving of the worker, the working lanyard deflection from the vertical line up to 30° is allowed.
50°C 122°F -30°C -30°C	Recommended working temperature -30°C to 50°C		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.				
PRODUCT NAME: 1	MODEL & TYPE/ IDENTIFICATION:			
TRADE NAME:		SERIAL NUMBER:		
MANUFACTURER: ADDRESS:		TEL, FAX, EMAIL AND WEBSITE:		
YEAR OF MAN- UFACTURE/ LIFE EXPIRYDATE:	PURCHASE DATE:	DATE FIRST PUT INTO USE:		
COMMENTS:		USER NAME:		

Other components suitable for use together in the fall arrest system are

PERIODIC EXAMINATION

DATE	REASON FOR	DEFECTS NOTED,	NAME AND SIGNATURE OF	PERIODIC
DAIL	ENTRY(PERIODIC EXAMINATION)	REPAIRS CARRIED OUT AND OTHER RELEVANT INFORMATION.	COMPOTENT PERSON	EXAMINATION NEXT DUE DATE

The personal protective equipment shall be examined at least every 12 months by a compotent person

PORTWEST Manufacturer: Portwest Westport Co Mayo Ireland All declarations of conformity for Portwest products are available at

www.portwest.com/declarations

C€0194 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 Mancheste **CE**032[°] M6 6AJ, UK. Notified Body: 0194 SATRA Technology Centre Ltd, Wyndham Way Telford Way, Kettering, Northamptonshire NN16 8SD, UK Notified Body : 0321 **CE**1105 CCOS UK Ltd | evel 2, 5 Harbour Exchange Square. London, E14 9GE, UK Notified Body: 1105 EN355, EN360, EN362, EN353-2, EN795

EN USER INSTRUCTIONS

CONNECTORS PI FASE READ THESE INSTRUCTIONS REFORE USING ANY FOURPMENT

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 iniury or death. PORTWEST will not accept liability for defects that are the result of product abuse, misuse, alteration or

nodification, 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 subsystem length, deceleration distance, free fall distance, worker height, movement of harness attachment

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

lever connect more than one person to the fall arrester. Recommended working temperature = -30°C to 50°C. Anchorage strength requirement is 12 kN. Avoid lanvard contact with sharp edges. he 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

on compliance with instructions concerning use storage maintenance may damage and/or alter the proper operation of the equipment. These product should be used by trained and/or competent people, 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. To 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

y for the second se 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, burns, 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 lanvard extracts freely throughout its full range, Pull sharply in lanvard to test locking, ensure

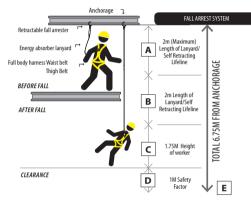
nspect the lanyard for damage. Under no circumstances should the fall arrester be used if the lanyard has any defect, i.e. broken or flattened lanyard strands, cut fibers, or is not retracting correctly

i " **CONNECTORS** STYLES • EP02 • FP36 FP05 • FP39 EP30 • FP40 • EP32 • FP41 • EP33 • EP42 • EP35 • EP48

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 nlus 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 notential for falls and notential 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 damager or faults are found during operation, or in case of circumstances which may jeopardize safety: IMMEDIATELY STOP THE WORK IN PROGRESS.

PRECAUTION FOR USE

e equipment requires periodic servicing to ensure safe and proper working condition. Pull sharply on lanvard 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 servic 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 corr

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 rious iniury 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 ansitions 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

While attached to the fall arrester, the worker is free to move about within recommended working areas at normal speeds. The lanvard 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).



Action 3

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

ontaminants such as mud, sand, paint, ice, dirty water, etc. may prevent the device from working properly.

Periodically clean the exterior of these devices with a soft damp cloth without using solvents, acids or alkaline

Wipe off all surface dirt, mud, dust, etc. with a damp sponge. Complete by sponging with clear water and

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

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.

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.

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.

Inspect the Webbing: The webbing must be free of knots, excessive soiling, heavy paint buildup, and rust staining.

All Webbing should be free of fraved, cut or broken fibers. Check for tears, abrasions, mold, burns.

Look for cuts in the webbing, wear and damage due to use, to heat, and to contact with chemical products.

ecc. 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

The condition of the wire rope(when making this check, always wear gloves to avoid the possibility of

Check by pulling entire length of lanyard out and allowing its slow retraction thorough your protected

hand. Do not allow the lanyard to retract uncontrolled. Doing so can cause damage to the lanyard or the

Inspect the wire rope for cuts, kinks, burns, 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

The hardware must not be damaged, broken, distorted, or have any sharp edges, burrs, cracks, worn parts,

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

The gate must not be blocked by foreign matter. Contaminants such as mud, sand, paint, ice, dirty water, etc.

Pull the lanyard out fast enough to lock the system; repeat operation 3-5 times to ensure satisfactory

The retractor functioning by dynamic pulling the lanyard. The lanyard should block and stops pulling out.

Use only a full body harness conformed to EN361. Always ensure that only the upper dorsal D-ring marked

Ensure that the device is connected to a fixed anchorage point that conforms to EN795 that can resist up to

6. This product is capable of arresting fully the fall of a person with 100KG bioby weight including clothing and

9. During moving of the worker, the working lanyard deflection from the vertical line up to 30° is allowed.

EN

7. Pull the lanyard vertically and check the retracting and locking function of the cable/webbing.

10. The lanyard does not show any sign of wear(tear, fraying, breaking, corrosion, discoloration, etc)

PLEASE COMPLETE THE FOLLOWING FOUIPMENT RECORD AND KEEP THIS RECORD FOR REFERENCE

Verify that the lanyard pulls out and retracts fully without hesitation or slack in the line

Record the inspection results with the following details: type & model of equipment, trade name, serial

contact the manufacture

CLEANING & DISINFECTION

Clean and drv the product if necessary.

completely dry with a clean cloth. Do not lubricate any parts in the device.

PERIODIC EXAMINATION -

EXAMINATION STEPS

discoloration, etc.

laceration by broken wire strands):

removed from service.

or corrosion

locking properly

oneration

MARKINGS

12 kN pulling force.

Inspect the locking function:

Inspection of metal components

can prevent the locking system from working

D1 REFER TO DIAGRAM AT BEGINNING OF USERSHEET

After releasing the lanyard the retractor should pull in the lanyard.

Don't tamper with the device Don't repair the device yourself.

Recommended working temperature -30°C to 50°C

8. Can not stop a sinking (pulverulent or muddy products)

REFER TO DIAGRAM AT END OF BOOKLET

with capital "A" on the full body harness shall be used in a fall arrest attachment

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

component has been impact loaded and must be removed from service

operating mechanism

Releasing and the gate will be

closed by automatically locke

CONNECTORS / EN362

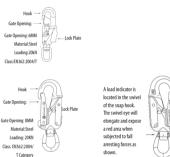
This connector can be used with personal fall protection systems such as a personal fall arrest, restraint, work positioning, suspension, or rescue system. The user must read and understand the manufacturer's instruction for each component or part of the complete system. These connectors are designed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

CADADINED. REFER TO DIAGRAM AT BEGINNING OF USERSHEET D2

ath of a connector is determined by applying Oblong shaped carabiner have a high Major axis strength. The strength of a con 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 connecto

SWIVEL SNAP HOOK:

A load indicator is located in the swivel of the snap hook. The swivel eve 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 Open the gate and verify that it closes itself automatically when released. Systematically verify the gate is fully

Cosed 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 how the product in the proper operation of these products. The consequences of not observing these instructions may be grave and serious.

SERVICE LIFE

CARE

mmended to

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.

To not leave the device out in bad weather

You do not know its full usage history

product markings remain legible during the entire lifetime of the product.

· When it becomes obsolete due to changes in legislation, standards, technique or incompatibility with other his 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

To help maintain product traceability, do not remove any markings or labels. You must check to ensure that the

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.