

# Dromex



## PROTECTION RETRACTABLE FALL ARRESTOR LANYARD



DFA-PN2002

### Description

The Dromex® DFA-PN2002, Mini Block self-retracting lanyard, allows a user to move freely within a work area, while almost instantly reducing and limiting the free fall hazard as the life line is under tension.

This self retracting lanyards features the following:

- Has a built-in textile energy absorber.
- The system locks quickly, arresting a fall within inches providing more protection at low heights.
- Robust & durable protective casing.
- Only used vertically.
- Fall distance is minimal as compared to energy absorbing lanyards hence retrieval of a fall victim is easier.
- No risk of entanglement when compared to full fabric lanyards.
- Reduces the length of the swing during the fall.
- Easily attaches to a full body harness.
- Supplied with 2 steel screw locking karabiners, at anchorage and attachment end.
- Equipped with a steel Screw Locking Karabiner at swivel anchorage point end with a built-in impact colour visual indicator.
- Loops are protected by an abrasion resistant covering at the ends and prevents the webbing from being damaged by the metallic connector.

This self-retracting Mini Block lanyard used with a harness system has a maximum rated load of 140Kg.

Suitable for use when working at heights in the construction (scaffolding, high rope access), ship building, mining, warehousing and general maintenance industries (window cleaning, painting).

### Special Instructions

- Please retain your information booked enclosed in the packaging as it contains your lanyard certification and inspection schedule, required for re-certification and daily inspections.
- You can also scan the QR code marked on your self retracting lanyard to obtain a copy of the product certification.
- It is recommended that this retractable fall arrestor lanyard should be the personal property of its user and care must be taken to ensure the safety of its user.
- It is essential to verify that the medical condition of the user is fit to use the product in normal and emergency use.

- If using as part of fall arrest system, a suitable anchor point (above the user's head, at least 10 kN) shall be used. Attachments between this Mini Block and the anchor points and other, equipment shall be made using oval Karabiners conforming to EN 362.
- It is essential to verify that a minimum 4 meters height of free space is available between the Retractable Fall Arrestor & the ground at the work place, so that in case of a fall, there will be no collision with the ground or other obstacle in the fall path.
- The following conditions may be hazardous & may affect the performance of Retractable Fall Arrestor:
  - Ageing due to extreme temperatures, cold, heat, moisture and direct sunlight.
  - Deterioration due to chemicals such as oils, acids, solvents and sea water.
  - Inappropriate choice of the Mini Block in relation to the risk concerned eg. using the Mini Block as a fall arrest component.
  - Inappropriate combination with other equipment.
  - Trailing or looping of Lanyards over sharp edges.
  - Extreme acidic or basic environments.
  - Abrasive or sharp edge structures which can damage the equipment.
  - Use by a person lacking sufficient safety awareness and improper use by untrained persons.
  - Unnecessary physical loading (static or dynamic).
  - Deterioration through mechanical wear, water or soiling.
  - Inappropriate storage, maintenance or cleaning.
  - Protection of the Mini block against hazards during use:
    - While using the Mini Block as a connecting element, make sure that it is not positioned in such a way that the user trips over it.
    - While using the Mini Block, any sharp metallic object near it, can cause abrasion and destroy the Mini Block.
- Ensure before and during use that a rescue plan is in place to rescue the user after a fall has occurred.
- These energy absorbing lanyards when used as a component of a fall arrest system guarantees the full ability for the safe arresting of a fall from a height by reducing the breaking force measured at the anchorage point or the anchorage line to less than 6.0 kN. It can be used in conjunction with a full body harness.
- Do not use the Mini Block as a fall arrest component directly. It is to be used only as a connecting element.
- Please do not add any lanyard/connector as it can increase the distance from fall arrestor to user connection point. This can lead to product failure and can cause serious injury or even death. Users must know how to use a harness with a fixed lanyard attachment.
- However users are advised to use the lanyard with utmost care and the total weight (including all tools) must not be more than 140kg.
- The strength of the anchor device should be greater than 18kN (for Textile) and 12kN (for Metal) and the anchor point should be situated above the user's head.
- Connect the lanyard to the anchorage point using the connector provided at one end. (If a connector is not provided, use karabiners complying to EN 362:2004). The other end on the side of the energy absorber should be connected to the attachment element of the full body harness.
- To optimize protection, in some instances it may be necessary to use the lanyard with suitable other components. In this case before carrying out the risk application related activity, consult your supplier to ensure that all components are compatible and suitable for your application.
- The arrest distance should be double the total length of the lanyard plus 1.75m break distance to allow tearing of the webbing inside.
- Always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.
- Only competent users who have received training should use this equipment. (Refer to the SABS/EN recommendations concerning selection, use and maintenance.)
- The manufacturer's instructions must be followed.
- Inspect the equipment before every use to ensure that it is in a serviceable condition and operates correctly as intended.
- Inspect all the rope or webbing of product for cuts/abrasion marks. Also check all connectors of the product for proper mechanical functioning and effects of corrosion or mechanical deformation if any on parts of the connectors in the product.
- Since this lanyard is made of polymers and polyester, the performance of which gets affected by temperatures, effect of sharp edges, electrical conductivity, chemical reagents, cutting, abrasion, UV degradation etc, it is advised to consult your supplier for use in the above extreme conditions
- Ensure that the webbing does not come into contact with high temperature surfaces, welding, heat sources, electrical hazards or moving machinery.
- If the harness and miniblock has been involved in arresting a fall, it must be removed from service immediately and destroyed. Withdraw from use the product for which any doubt arises about it's condition for safe use.
- No modifications or alterations must be made to the equipment, this will make the warranty null and void. Any repair shall only be carried out in accordance with the

manufacturer's procedures.

- Usage with other un-compatible items may be dangerous & hazardous as the safe function of one item may be affected or interferes with the safe function of another.
- Specially designed harnesses and lanyards with high heat webbing are available for specialized heat applications.
- If the equipment is used in areas, or comes into contact with hazardous chemicals e.g. cleaning materials or atmospheres that may cause damage to the product, contact the manufacturer to see if it is still fit for use.
- If the lanyard is used in a fall arrest system, it is advisable to connect only to the dorsal attachment D-Ring of the harness.
- If lanyard is used in fall arrest system, it is essential for safety that the anchor device or anchor point is always positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Ensure that the anchor point is above the user's head.
- If used within fall arrest systems, it is essential to verify the free space required beneath the user at the work place before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacles in the fall path. There should be a minimum clearance of 3 meters beneath the feet of the user.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- The device should be used with appropriate combinations only. The user should not make any combination which compromises safe function of any other devices used in combination or entire fall protection system or rescue system.
- It should not be used in highly acidic or basic environments.
- Protect the equipment from mechanical hazards like sharp edges, tools, exposure to sunlight, ultraviolet degradation both during usage, transportation and storage.
- None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.
- The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection.
- Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the gloves suitability for the intended use.
- No item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.

### Compliance & Conformity

• This Retractable Fall Arrestor is classed as a Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and has been shown to comply with this Regulation through the Harmonized European Standards:

- EN 360:2002.- Personal protective equipment against falls from a height. Retractable type fall arrestors.

### Packaging, Storage & Obsolescence

DFA-PN2002 is packed in a box and sold individually.

Store in a cool dry place, that is clean and ventilated and placed away from direct sunlight and extremes of temperature.

Never place heavy items on top of it. If possible, avoid excessive folding and preferably store it hanging vertically. If the product is wet, allow it to dry fully before placing it into storage.

It is preferred that the product be transported in its original packaging. However, if not available, it may be stored in a polybag which is sealed to prevent moisture.

### Specifications

Style:	2.5 Meter long (deployed = 3 meters), self retracting lanyard with 2 karabiners at anchorage and harness attachment ends
Material:	PVC casing
Webbing:	47mm Polyester
Scaffold hooks:	High strength alloy steel
Karabiner and hook:	Aluminium connector with a swivel quarter turn locking hook and 2 high strength steel Karabiners
Other Mechanical parts:	Carbon steel

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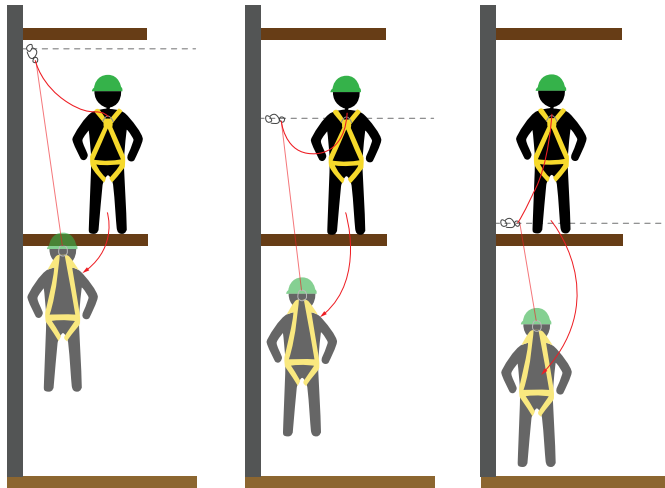
Latest update: 16/04/2024

Weight:  
Additional:  
Fall factor 0  
= Anchorage over head height

1.35kg ± 0.01kg (complete lanyard)  
Fall factor rating is 0

Fall factor 1  
= Anchorage next to the harness  
(d-ring on the back or chest)

Fall factor 2  
= Anchorage at the feet



### Cleaning & Maintenance

As with any piece of equipment, self retracting lanyards require care, maintenance and storage to ensure they function properly. In the case of a lanyard, any malfunction could have severe consequences.

- The equipment must be inspected and its condition recorded by a competent person before each use.
- The user's company Safety Officer must maintain a record log of servicing and inspections dates of the unit.
- In case of any doubt arising about the condition of any component or system, replace it immediately. If the harness has arrested a fall, or if the impact/load indicator has accidentally been deployed during handling, withdraw it from service & return to the manufacturer or a competent repair center.
- Metallic parts incorporated in the harness and lanyard should be wiped with a wet cloth.
- Do not use any abrasive material.
- For intensive cleaning wash the lanyard in water at a temperature not more than 40°C using a neutral detergent (pH7).
- Do not use acid or basic detergents.
- Follow the washing instructions without any deviations.
- After cleaning and drying, store the equipment in a dry dark cool position.
- DO NOT STORE THE EQUIPMENT WET.

Due to a wide variety of possible constructions and combinations with other materials we recommend to always consult your professional cleaning service to determine the best suitable cleaning method.

### Shelf life

All soft goods, including harness, can be used for ten years from the date of first use as long as they are examined by a qualified individual who has been trained by the manufacturer in accordance with EN365 requirements. After ten years OR if it doesn't pass the competent person examination, the product must be taken out of service.

Ensure product storage guidelines are followed.

The following factors can reduce the Lifespan of the product; intense use, contact with chemical substances, especially aggressive environment, extreme temperature exposure, UV exposure, abrasion, cuts, violent impacts, bad use, or maintenance.

Remove and replace once the energy absorber has been deployed.

### Instructions to be followed before use

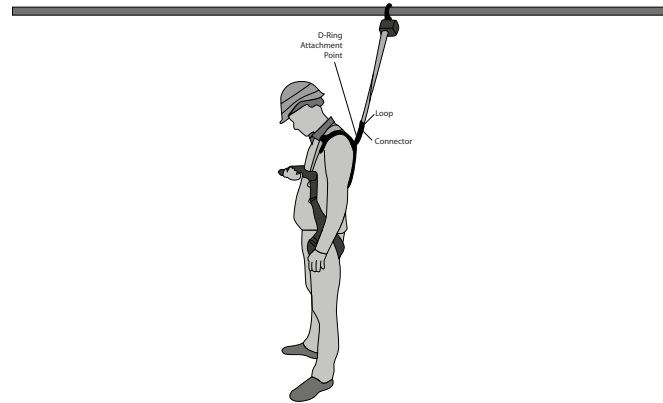
- It is important to carry out a pre use check of the equipment to ensure that it is in a serviceable condition.
- The pre-use check shall involve checking of any wear or abrasion on the webbing and sign of corrosion, if any on the metal parts or any breakage of the plastic casing.

- Inspect the Mini Block for any rupture or damage of the webbing. Particularly the stitching of the webbing at the ends should be intact. There should not be any cuts or abrasion marks on the webbing of the Mini Block.
- In case of any doubt arising about the condition of any component or system, replace it immediately. If the harness and lanyard has arrested a fall, withdraw it from service and return to the manufacturer or a competent repair center. The equipment shall not be used again until confirmed in writing by a competent person that it is acceptable to do so.
- Ensure the compliance with recommendations for use as applicable to the combination with other components of the fall arrest system, and specified on the identification card for the fall arrest system or component concerned. Make sure that the connector used (Karabiner) is correctly attached to the loop and that it is locked and conforms to required norm.

### Fitting and Sizing

Follow Step 1 to Step 2 to use the Mini Block.

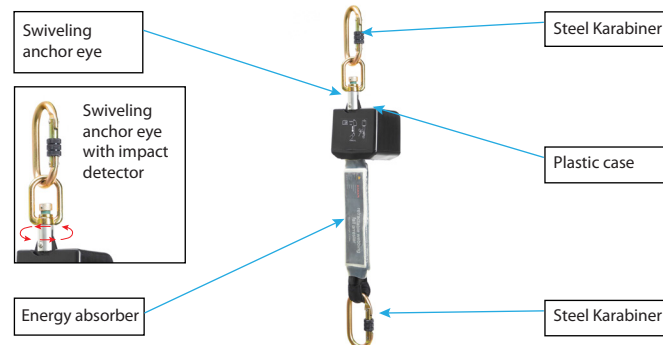
- STEP 1: The Mini Block has a loop at one end while a metallic eye at the other end. Connect the metallic eye to the Anchorage Point of the fall arrest system by using a connector. Only oval Karabiner according to EN 362, clause 3.1.7 shall be used as connectors.
- STEP 2 : As in step 1, connect the loop of the Mini Block to the Full Body Harness of the user at its attachment element. The correct way of using the Mini Block is only when the anchorage point is situated above the user's head. Care should be taken that the anchorage point, as far as possible, is in the same vertical line in which the attachment element of the user's harness is.



### Periodic Examination

- This product needs to be periodically examined because the safety of the user depends upon the continued efficiency and durability of the lanyard.
- It is important to examine it at least once in every 12 months.
- Periodic examination is to be conducted by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- Periodic examination also requires checking the legibility of the product markings.
- Always retain a copy of the Harness Equipment Periodic Examination and Repair History checklists.

### Drawing



### Marking



### Marking on Product

The Mini Block is marked with:

- The CE mark showing that the product meets the requirement of the European PPE Regulation (EU) 2016/425
- Identification of the manufacture and address
- Type of product code
- Month & Year of Manufacture
- Batch/Lot Number
- Serial Number
- Norm

### Information on Label

The Energy Absorbing Lanyard is marked with:

1. Keep away from sunlight or heavy rains.
2. Ensure that the anchorage point has a strength of min 12kN.
3. Ensure that the max angle between the vertical and the lanyard is 40°.
4. Micron Block can be used where the Anchorage point is at foot level.
5. Once the Webbing has been reeled out, do not leave it suddenly to retract inside on its own, let it go inside gradually by guiding it slowly inside.
6. Connect the lanyard to the Dorsal attachment element of your harness.
7. Use between a temperature range of -30°C + 50°C.
8. To be used by a person weighing not more than 140kg in vertical direction.
9. Do not attempt to repair unless stipated by the manufacture.
10. It can also be used for horizontal usage.
11. It can be used on the sharp edges having a radius of ≥ 0.5mm with maximum, 100Kg weight.

### Disposal

Industrial self retracting lanyards should be disposed of considering the hazardous substance they were used for, if damaged and once the shock absorber has been deployed. Please consider recycling.

### Steps for safe Disposal:

- Segregate the equipment in three different crates for placing components in them respectively such as - Textile, Metal and Plastic.
- Inspect the wear and tear present on the lanyard.
- Using a sharp pair of scissors to cut the Textile and dismantle the lanyard.
- Thereafter remove the metal & plastic components separately from the lanyard.
- Put the Textile, Plastic & Metal components in their respective plastic crates.
- Once segregation done, arrange to send them for recycling (as appropriate) through authorized agencies as per local or national law.

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Latest update: 16/04/2024