Dromex

FALL PROTECTION HARNESS



DFA-PN10

Description

The Dromex® DFA-PN10 full body harness with a permanently attached energy absorbing double lanyard, is an essential and mandatory piece of safety equipment, when working at heights as it protects a user from accidents and injury resulting from a fall.

This fall arrest system allows the user to safely move in all directions with the dual lanyard, whilst remaining anchored at all times.

Features:

- High visibility yellow colour webbing.
- A double, Y shaped lanyard (PN361N) with steel scaffold hooks and an energy absorber that is attached on the single Dorsal D-ring of the harness.
- Scaffolding hooks with a double lock spring-loaded locking and opening gate mechanism for safe attachment/anchorage and preventing accidental opening.
- Adjustable chest and leg straps.
- Ideally positioned sit strap for extended comfort.
- 2 Webbed Lanyard Keeper loops on chest strap for holding lanyard hooks for placement of free lanyards.
- An ID (impact distribution) plate to absorb load and is a visual indicator confirming that the harness has been exposed to a fall or impact forces and should be removed from service.
- An Impact Indicator on the shock absorber provides visual reference of a shock load or fall arrest incident.
- The lanyard loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.
- A universal fit harness.

This 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 harness information booked enclosed in the packaging as it contains your harness certification and inspection schedule, required for re-certification and daily inspections.

You can also scan the QR code marked on your harness to obtain a copy of the product certification.

(QR code)



- It is recommended that this harness system 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.
- 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.
- Please do not add any lanyard/connector as it can increase the distance from fall arrester to user connection point. This can lead to product failure and can cause serious injury. Users must know how to use a harness with a fixed lanyard attachment.
- However users are advised to use the harness with utmost care and the total weight (including all tools) must not be more than 140kg.
- The total length of a sub system with a lanyard including an energy absorber, terminations and connectors shall not exceed 2m.
- 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 harness or webbing does not come into contact with high temperature surfaces, welding, heat sources, electrical hazards or moving machinery.
- If the harness 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.
- Specially designed harnesses 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 a 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.
- 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 harness suitability for the intended use.

Specifications

Style:	High visibility, yellow, full body harness with adjustable, chest strap (25mm) and leg straps and a fixed shock absorbing lanyard with scaffold hooks
Material harness:	45mm Wide Polyester webbing
Stitching:	High Tenacity Polyester
Metal components:	High strength steel
Scaffold:	High strength steel
Load capacity of harness:	140 kg (Including tools)
Weight:	2430 gm + 10 gm

Compliancy & Conformity

The full body harness 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:

- SANS 50361:2003 and EN361:2002 - Personal protective equipment to combat potential falls from a height – i.e. a Full body harness. Harnesses are intended to hold the user in place and distribute the load in the case of a fall arrest scenario (i.e. being brought to a stop following a period of free-fall).
- SANS 50355:2003 and EN 355:2002- Personal protective equipment against falls from a height - Energy absorbers - Intended for use in connecting the attachment point of a full body harness to a suitable anchorage device. The lanyard includes a shock absorbing element, designed to reduce the force to the user by gradually arresting the fall.

Packaging, Storage & Obsolescence

DFA-PN10: Packed in an individual polybag 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 packing.
However, if not available, it may be stored in an air tight bag and transported.

Cleaning & Maintenance

As with any piece of equipment, harnesses require care, maintenance and storage to ensure they function properly. In the case of a harness, 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.
- Wipe harness clean with a cloth dipped in luke-warm water with mild detergent.
- For intensive cleaning wash the harness in water at a temperature not more than 40°C using a neutral detergent (pH7).
- Do not use any abrasive material.
- 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.

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In order to maximise the harness life cycle, we recommend the mildest possible cleaning conditions in terms of temperature, chemicals and cycle duration.
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.

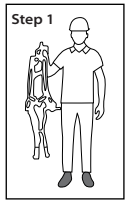
Sizes Available

Standard - Universal.

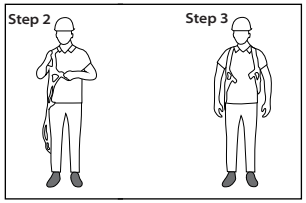
Instructions to be followed before use

- It is important to carry out a pre use check of the equipment to ensure that it is in a serviceable condition.
- Inspect the harness and the lanyard for any rupture of webbing, rope, seams, buckles, D-ring etc. Do not use in case of any rupture or defectiveness.
- 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 accidently been deployed during handling, withdraw it from service & return to the manufacturer or a competent repair center.
- It is essential to ensure that there is a minimum clearance of 6m beneath the user at the work place before each occasion of use, so that in case of a fall, there will be no collision with the ground. Also, ensure that no obstacle exists beneath the user at his workplace so that he does not collide with any, in case of a fall.
- Prior to use of the harness the user should carry out a suspension test in a safe place to ensure that the harness is the correct size, has sufficient adjustment, and is of an acceptable comfort level for the intended use.
- Apart from Fall Arrest this harness can be used for specific situations in conjunction with Fall Arrestors where the front attachment is needed.
- Both leg straps as well as chest straps are adjustable to fit the size of the user.
- A harness that is either too loose or too tight will restrict movement and will not provide the optimum level of protection.
- The size of the harness is marked on a label attached to it and it is universal.

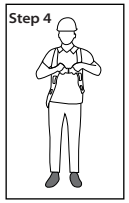
Putting on the Harness



Untangle the harness by holding it from the dorsal D-ring.



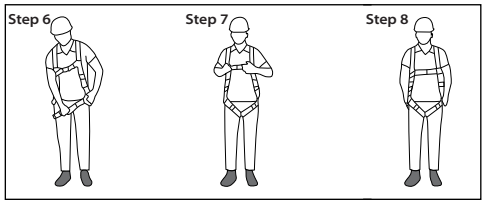
Insert your arms one by one into the shoulder straps.



Close the buckle on the chest strap.



Pull the leg straps one by one around your thigh outwards to your front.



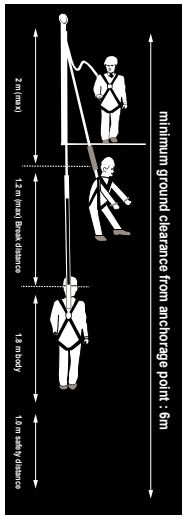
To check & adjust all the straps of the harness to your body adjustment, refer to Step 6 to Step 8.

NOTE: After putting on the harness, user should carry out a comfort and adjustability test in a safe place by sitting & bending forward to ensure that the harness is in the correct size and and has sufficient adjustment and is of an acceptable comfort level for the intended use.
To locate the anchor point on the harness, check for the "A" marking near them.

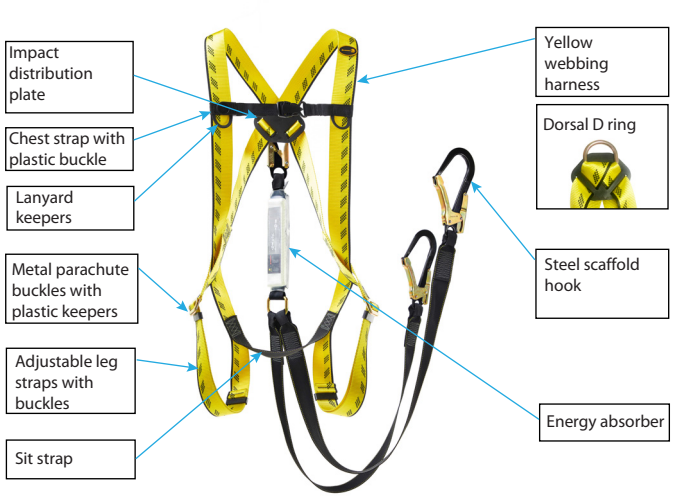
Periodic Examination

- 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 Perodic Examination and Repair History checklists.

Ground Clearance



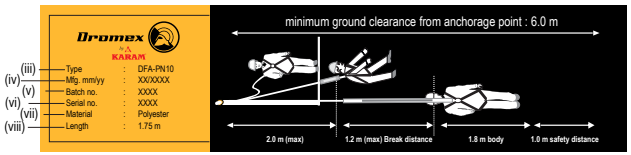
Drawing



Marking







Marking on Product

The Energy Absorbing Lanyard is marked with:
(i) The CE mark showing that the product meets the requirement of the European PPE Regulation (EU) 2016/425
(ii) Identification of the manufacture and address
(iii) Type of product code
(iv) Month & Year of Manufacture
(v) Batch/Lot Number
(vi) Serial Number
(vii) Material
(viii) Length
(x) Norm

Disposal

Industrial harnesses 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 harness and lanyard by holding the harness on the D ring
- Using a sharp pair of scissors to cut the Textile and dismantle the harness & lanyard.
- Thereafter remove the metal & plastic components separately from the harness & lanyard.
- Put the Textile, Plastic & Metal components in their respective plastic crates.
- Once segregation done, arrange to send them for recycling or disposal (as appropriate) through authorized agencies as per local or national

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