



VHI FH24DE Ferno Dielectric Harness

Harness Designation	Fall Arrest Harness
General Use	For use in situations where there is a risk of free fall and electrical hazards
Suggested Applications	Construction and Maintenance; Elevated Work Platform
Compliance	AS/NZS 1891.1:2020

Attachment Points

Ensure you are familiar with all the attachment points on this harness and their limitations. Each attachment point is labelled appropriately.

Fall Arrest Attachment Points

- 1 x Rear Dorsal with Extension
- 1 x Front Fall Arrest Attachment Point when both front loops are attached with an appropriate karabiner

Harness Identification Label

An identification label, similar to the one shown below, is sewn to rear webbing and contains important information about the harness such as serial numbers and date of manufacture.



Front View of Harness



Rear View of Harness



SAFETY INFORMATION

Glossary

Anchorage Point

A secure point of attachment on a structure to which a fall-arrest device may be connected.

Competent Person

A person who has, through a combination of training, education and experience, acquired knowledge and skills enabling that person to correctly perform a specified task.

Personal Energy Absorber (Deceleration Device)

A device or component which by design limits the deceleration during the arrest of a fall. The maximum force allowed to be transmitted is 6kN.

Lanyard Assembly

Assembly of a line, of either fixed or adjustable length, and components which will enable a connection between a harness and an anchorage, the intent of which is to limit the deceleration during the arrest of a fall.

Retrieval Point

Attachment points on the shoulders of a harness designed to be used as a pair for attaching a retrieval system.

WARNING

Warning safety alerts indicate a potentially hazardous situation that, if not avoided, could result in injury or death.

NOTICE

Notices emphasise important, but not hazard-related information. Failure to follow Notices could result in product or property damage.

Securing Harness Buckles

To connect buckle, feed Male part into Female part of buckle and tighten, ensuring the two parts are fastened and secure.

Correctly Connected Buckles

Both parts of the buckle should sit flat against each other when a buckle is correctly fastened as shown below (Figure 1)



WARNING

Users must consult AS/NZS 1891.4 for selection, use, maintenance and training requirements and be competent in the use of equipment before beginning any tasks requiring its use. Users must read and understand the following warnings:

1. Working at heights can be dangerous. If you use Ferno equipment, you are responsible for learning and observing safe techniques. Ferno Australia disclaims all liability for any injury or loss arising from the use of this equipment when its hardware, stitching or webbing is frayed, damaged or in any way weakened by wear and tear.
2. This product is specifically designed for height safety and must not be used for other purposes. It is your responsibility to maintain the product in good, serviceable condition.
3. Do not make any alterations or additions to this product.
4. Secure your lanyard assembly to an anchorage point that allows you to carry out work tasks while also minimising your free-fall distance. The maximum allowable free-fall distance is 2m.
5. When making a connection to any point on a harness which cannot be seen by the wearer, either make the connection before donning the harness or have a second person make and check the connection for the wearer.
6. Always ensure any connections to a harness are checked before use.
7. Harnesses and lanyard assemblies should be removed from service and destroyed if a fall has been sustained.

Product Life Expectancy

The maximum life of the harness is ten years from the date of manufacture.

The actual life of the harness will be influenced by many factors including, but not limited to, frequency and intensity of use, environment, weather, storage conditions, exposure to damaging chemicals etc. If in doubt, tag it out!

Harnesses must be removed from service and destroyed if it has been used to arrest a fall.

NOTICE

- **EMPLOYERS:** It is your responsibility to ensure all users are instructed and trained in the correct use and maintenance of the equipment. Once equipment is issued, it is assumed appropriate training has been completed.
- **USERS:** You must consult AS/NZS 1891.4 for selection, use, maintenance and training requirements and **be competent in the use of equipment before beginning any tasks requiring its use**. It is your responsibility to read and understand these instructions. Always use equipment safely and properly. Check equipment before and after use.
- **GENERAL:** This document contains general fitting instructions. Instructions are not all inclusive. Modifying the equipment can cause injury and damage and will nullify any warranty and place full responsibility for any accident or injury on the equipment owner.

Fitting the Harness

1. Read the instructions carefully and check the harness labelling to ascertain that you have the correct harness for the task.
2. Inspect the harness webbing and hardware for signs of wear or damage.
3. Hold up the harness by the rear dorsal D-ring/loop and untangle any straps that may have twisted during storage.
4. Separate the shoulder straps and familiarise yourself with the layout of the harness. Release the sternum strap and leg buckles from their respective links.
5. Put on the harness by passing your arms through the shoulder straps as if putting on a jacket. Adjust the shoulder buckles to the appropriate length/height.
6. Fasten chest strap with buckle, ensuring each buckle plate lays flat against its mate. Adjust for a comfortable fit. Check that the rear fall arrest D-ring is positioned centrally on your back between your shoulder blades.
7. Pass both leg straps between your legs making sure there are no twists in the straps. Using the same method as before, connect the left leg strap's buckle to the left leg link, and the right leg strap buckle to the right leg link. Adjust both for a comfortable fit.
8. Tighten and adjust the shoulder straps. Re-adjust the front sternum strap and leg buckles. The Rear Dorsal Attachment Point should be positioned midway between your shoulder blades. The finished fitting should feel snug but not restrict movement in any way.
9. Secure loose ends with keepers and check for twists, misaligned webbing and disconnected buckles.

Maintenance

This product should be cleaned regularly to maintain its condition and serviceability. Clean as indicated below.

1. AFTER EACH USE

After each use, wipe down the product to remove any dust or dirt. If there is any sign of contaminants such as oil, grease, paint, etc tag the product as unfit for use and refer it to a competent person for inspection.

2. DURING PERIODIC INSPECTION

Hand wash the product with Ferno Rope and Harness Wash every alternate periodic inspection (ie. every twelve months). The harness may require more frequent washing depending on the conditions it is exposed to.

Inspecting the Harness

To maintain the safety and serviceability of this product the following inspections must be performed.

1. OPERATOR INSPECTION

The operator/wearer shall inspect the product before and after each use. Check all webbing, thread and metal components for excessive wear or damage. Refer any signs of deterioration to a competent person for a decision on the safety and serviceability of the product.

Harnesses and lanyard assemblies should be destroyed or returned to the manufacturer for inspection if a fall has been sustained.

2. PERIODIC INSPECTION

A full periodic inspection shall be conducted every six months by a competent person. Use the provided checklist as a guide for determining the condition of the product. Check for signs of contaminants such as oil, grease, paint etc.

Periodic inspections shall be recorded in the product's Inspection and Maintenance Log. A sample log is provided in these Instructions.

NOTICE

Exposure to chemicals and hazardous atmospheres can cause damage to fibres and components that are not immediately visible.

If any part of an assembly is to be exposed to chemicals such as cleaning materials or hazardous atmospheres, the user should consult the manufacturer to determine whether the part is suitable for continued use.

Hang the product in a sheltered, shaded area away from direct heat to dry completely.

- Do not machine wash
- Do not tumble dry

Refer to the manufacturer for advice on removing difficult stains.

Storage

Store the product away from direct sunlight and protected from dust, moisture and corrosive atmospheres.

INSPECTION CHECK LIST GUIDE | HARNESSSES, BELTS, POLE STRAPS & LANYARDS

WEBBING	Cuts or tears
	Abrasion damage, especially where there is contact with hardware
	Excessive stretching
	Damage due to heat, corrosives or solvents
	Deterioration due to rotting, mildew or ultraviolet exposure
SNAP HOOKS & KARABINERS	Distortion of hook or latch
	Cracks or forging folds
	Wear at swivels and latch pivot pin
	Open rollers
	Free movement of the latch over its full travel
	Broken, weak or misplaced latch springs (compare if possible with a new snap hook)
D-RINGS / O-RINGS	Is there excessive vertical movement of the straight portion of the D-ring at its attachment on to the belt so that the corners between the straight and curved sections of the D-ring become completely exposed? Note: Excessive vertical movement of the ring in its mounting can allow the nose of larger snap hooks to become lodged behind the straight portion of the D-ring. When this occurs, the snap hook can often accidentally roll out of the "D" when under load.
	Cracks, especially at the intersection of the straight and curved portions
	Distortion or other physical damage of the D-ring
	Excessive loss of cross-section due to wear
BUCKLES & ADJUSTERS	Distortion or other physical damage
	Cracks and forging taps where applicable
	Bent tongues
	Open rollers
SEWING	Broken, cut or worn thread
	Damage or weakening of thread due to contact with heat, corrosives, solvents or mildew
ROPES	Cuts, abrasion or fraying
	Stretching, inconsistencies in rope diameter
	Discolouration, surface glossing
	Inconsistencies in rope texture and stiffness
	Damage due to ultraviolet light, mildew, heat, corrosives etc.

SAMPLE LOG | INSPECTION & MAINTENANCE LOG

Supplier Details			
Designation	Dielectric Fall Arrest Harness with Dorsal Extension		
Model / Item #	VHI FH24DE		
Serial #		Date of Manufacture (DOM)	
Batch #		Commissioned Date	
DATE	NAME (PRINT CLEARLY)	DETAILS	