USER INSTRUCTION MANUAL

MODEL: 96424, 96426, 96426HR, 96428HR, 96426RR, 96428RR, 96590, 96590-6, 96590D, 96590D-6, 96424, 96426, 96404, 96406, 96504, 96506,

DESCRIPTION: ANCHORAGE TIE-OFFS & POSITIONING LANYARDS

ULTRA-SAFE INC.

1-877-711-1155
PHOENIX, AZ USA
WWW.ULTRASAFEUSA.COM

MODEL:_____ _____

SIZE:_____

DATE:_____

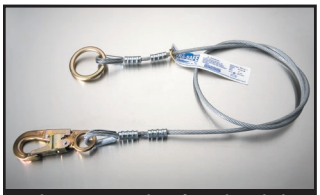
STANDARDS

ANSI Z359.18-2017 Type T

OSHA 1926.502, 1910.140, 1910.66

Positioning/PVC fall restraint, Hook and Hook. 5,000 lbs MBL

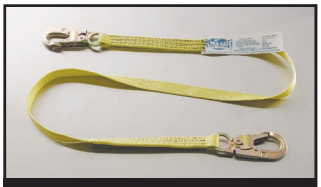
Anchorage/tie-off, loop and D-ring. 5,000lbs MBL



Anchorage/PVC tie-off, Hook and Ring. 5,000 lbs MBL

Anchorage/tie-off, D-ring and D-ring. 5,000lbs MBL

Anchorage/PVC tie-off, Hook and Ring. 5,000 lbs MBL



Positioning nylon web lanyard w/ double locking snaps on ends 5,000lbs MBL

NOTE: See additional instructions on buckle adjustment for proper fit. Maximum free-fall distance six feet or energy absorber arresting force of 900 lbs per ANSI or maximum fall arrest force of 1800 lbs per OSHA unless a shock absorbing system is attached. Avoid lower level contact.

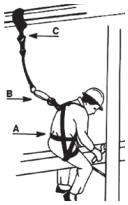
Anchorage: The anchorage to which this product is attached must be capable of sustaining a static load in the direction applied by the personal fall arrest system of at least 3600 lbs. with certification of a qualified person or 5000 lbs. without certification. When more than one personal fall arrest system is attached to the same structure, the strength requirements stated above must be multiplied by the number of personal arrest systems attached to the structure.

Plan your personal fall protection system. Before installing and using this equipment, consider all factors affecting your safety during use of this equipment.

Warning: manufacturer's instructions supplied with this product at time of shipment must be followed. Failure to do so could result in serious injury or death. Contact manufacturer if instructions are needed.

- Warnings and instructions must be read and understood before using equipment.
- Equipment must be used by trained personnel only.
- Users must understand all OSHA regulations, ANSI standards, and other relevant regulations and standards pertaining to fall protection equipment.

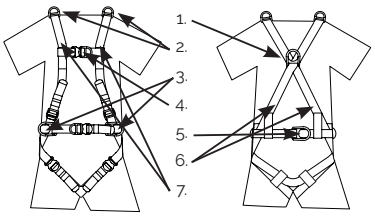
This product is part of a personal fall arrest system; a fall arrest system is required if



there is any risk that a worker may fall from an elevated position. It is a requirement that the fall arrest system be used any time a working height of six feet or more is reached. Working height is defined as the distance from the walking / working surface to a grade or lower level.

THE FOLLOWING IS RECOMMENDED AS PART OF A FALL ARREST SYSTEM

Full Body Harness Material: Nylon



1. Back 'D' ring is for fall arrest
2. Shoulder 'D' rings. (if present) are for retrieval use only use locking snaps.
3. Side 'D' rings (if present) are for positioning only.
4. Front 'D' ring (if present) is for fall arrest (foot first falls only, 2 ft. max free fall), work positioning, travel restraint/rescue
5. Hip attachment elements are for work positioning or travel restraint
6. Visual load indicator
7. Park lanyard here

A. Restraint: The lanyard is used to prevent the user from reaching a hazard, such as leading edge work. No vertical free fall is possible.

B. Shock Absorbing Lanyard:

Shock Pac should be connected to back D-ring only.

C. Anchorage Connector (Nylon):

Warning tags located towards hook, D-ring or eye end.

- Use energy absorbers or retractable lanyards when hazard of free fall can occur.
- The structure to which the anchorage connector is attached must sustain static loads applied in the directions permitted by the fall arrest system of at least: 3,600 lbs. with a qualified individual with certificate, or 5,000 lbs. with a competent individual without certification. Always work directly under anchorage to avoid a swing fall injury.
- Anchorage and tie off points must be at a height that will not allow a lower level to be struck should a fall occur. Do not allow product to contact sharp or abrasive surfaces, sparks or temperatures above 180° for synthetic or 400° for wire rope.
- Snap hooks with gate openings larger than one inch (1") must not be connected.
- Remove from service if any damage is detected.

APPLICATIONS

PURPOSE: The wire rope sling and web anchor is designed to be used as an anchorage connector for a personal fall arrest, restraint, work positioning, suspension, or rescue system. Wire rope slings and web anchor straps may be used as an anchorage connector for a horizontal lifeline if the system is designed, installed and used under the supervision of a qualified person. Do not hang, lift, or support tools or equipment from this equipment.

1. FALL ARREST: The structure to which the anchorage connector is attached must sustain static loads applied in the directions permitted by the fall arrest system of at least: 3,600 lbs. with a qualified individual with certificate, or 5,000 lbs. with a competent individual without certification. See ANSI Z359.1 for certification definition. When more than one personal fall arrest system is attached to an anchorage, the strengths stated above must be multiplied by the number of personal fall arrest systems attached to the anchorage.

FROM OSHA 1926.500 AND 1910.66: Anchorages used for attachment of a personal fall arrest system shall be independent of any anchorage being used to support or suspend platforms and must support at least 5,000 lbs, per user attached; or be designed, installed, and used as part of a complete personal fall arrest system, which maintains a safety factor of at least two, and is supervised by a qualified person.

2. FALL CLEARANCE: There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. The clearance required is dependent on the following factors:

- Elevation of anchorage connector
- Connecting subsystem length
- Deceleration distance
- Movement of harness attachment element
- Worker height
- Free fall distance

See personal fall arrest system manufacturer's instructions for more information.

3. SWING FALLS: Swing falls occur when the anchorage point is not directly above the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as close to the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self retracting lifeline or other variable length connecting subsystem is used.

4. ENVIRONMENTAL HAZARDS: Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges. Contact Ultra-Safe if you have questions about using this equipment where environmental hazards exist.

5. TRAINING: This equipment must be installed and used by persons trained in its correct application and use.

6. MAINTENANCE, SERVICING, STORAGE: Clean lanyard with water and a mild detergent solution. Wipe off hardware with a clean, dry cloth, and hang to air dry. Do not force dry with heat. An excessive buildup of dirt, paint, etc., may prevent the lanyard from working properly, and in severe cases degrade the webbing or rope to a point where it has become weakened and should be removed from service. If you have any questions concerning the condition or cleaning of your lanyard, doubts about putting it into service or require more information, contact Ultra-Safe, Inc.

WARNING: Do not alter or intentionally misuse this equipment. Consult Ultra-Safe, Inc. 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. Use caution when using this equipment around moving machinery, electrical hazards, chemical hazards, sharp edges, or overhead materials that may fall onto the lanyard. Do not loop the lanyard around small structural members. Failure to heed this warning may result in equipment malfunction, serious injury, or death. Any repair must be performed by Ultra-Safe, Inc or an authorized repair station only.

7. AFTER A FALL: Components which have been subjected to the forces of arresting a fall must be removed from service and destroyed.

NOTE: Retractable horizontal lifelines can be repaired and recertified by Ultra-Safe, Inc or an authorized repair station only.

8. RESCUE PLAN: When using this equipment, the employer must have a rescue plan and the means at hand to implement the rescue, as well as communicate that plan to users, authorized persons, and rescuers.

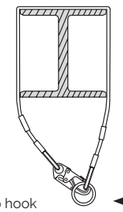
9. COMPATIBILITY OF CONNECTORS: ***Important!*** Use only connectors that are suitable to each application and are compatible with connecting elements.

- Connectors must be compatible with the anchorage or other system components.
- Connectors must be compatible in size, shape, and strength.
- Non-compatible connectors may unintentionally disengage.

NOTE: 96424, 96426, 96504 and 96506 are for positioning or fall restraint only.
NOTE: No more than one personnel can use a single anchor tie-off.

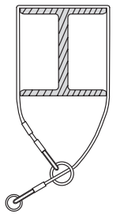
MODELS

96426HR

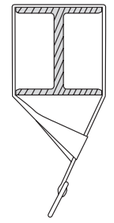


Snap hook into thimble eye ← Tie-off point.

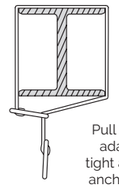
96426RR



96590



96590D



Pull tie-off adapter tight around anchorage.

WARNING!

This product is part of a personal fall arrest system. The user must read and follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this product. The user must read and understand these instructions before using this product. Manufacturer's instructions must be followed for proper use and maintenance of this product. Alteration or misuse of this product, or failure to follow instructions may result in serious injury or death.

Inspection Procedures

General -

1. Check for wear deterioration.
Before each use, carefully inspect your complete Ultra-Safe system for signs of wear or deterioration, or evidence of impact loading. Visually inspect for loose threads, pulled rivets, burns, cuts, distortions, abrasions, or other evidence of chemical or physical deterioration that may have weakened the material or assembly.

2. Inspect hardware for malfunctions and cracks.
Check all snap hooks, buckles and D-Rings.

3. Destroy and replace all worn or damaged equipment.
Immediately destroy and replace any component which does not pass inspection.

4. Stiffness. Check for stiffness and/or lack of flexibility in the body of synthetic lanyard, which could be from excessive heat exposure and could be a factor for removing the lanyard from service.

Specific -

1. Stitching and webbing.
Check stitching for broken, burned, cut or pulled stitches. Broken strands of webbing appear as tufts on the webbing surface. To visually check for damage caused by corrosives, heat, chemicals and other conditions, hold the connecting device with your hands six to eight inches apart. Bend the webbing in an inverted "U" to cause surface tension and expose problem areas. Inspect entire length. For deceleration units, check the stitching for broken, burned, cut or pulled stitches, and the breakaway jacket for cuts, tears, broken stitches, stretch marks or other evidence of impact load. For aircraft-cable lanyards, check the full length for breaks, burns or cuts in the vinyl covering and the aircraft cable.

2. Check for broken strands.
Inspect rope lanyards for broken strands by twisting the rope slightly to undo the braiding. Inspect the entire lanyard in this manner. Lanyards with broken strands must be discarded.

3. Inspect all snap hooks, D-Rings and other metal parts.
Hardware must be checked for sharp edges and cracks. Rollers should not be distorted in shape and should roll freely. Check all parts, especially corners and attachments points, for wear and cracks.

4. Destroy and replace all worn or damaged Ultra-Safe equipment.
If evidence of excessive wear, deterioration or mechanical malfunction is observed, replace the equipment immediately.

Never work with worn or damaged Ultra-Safe equipment. Using damaged or worn equipment can cause injury or death.

5. **The inspector is the most important part of any inspection procedure.**
Check all equipment thoroughly and follow all safety procedures and guidelines. Do not take any shortcuts', they could result in injury or death.

NOTE: Twisted rope, such as the nylon filament and polyplus rope used in Ultra-Safe lanyards, is subject to a condition known as "hockling", which is similar to the twisting we often see in a telephone handset cord. This can be caused by a repetitive twisting movement such as normal hand rotation in hooking and unhooking, a lanyard dangling freely, or by using the lanyard to suspend equipment.

Preventive measures include:
1) Never using a lanyard for towing or hoisting,
2) Inspection and smoothing out after each use,
3) Storing neatly. Some hockling is normal, and in itself is not cause to discard the lanyard.

IMPORTANT NOTE: OSHA specifies that all employers covered by the Occupational Safety and Health Act are responsible for inspection and maintenance of all tools and equipment used by employees, whether owned by the employees or by the company. All Ultra-Safe equipment should be inspected before each use, and immediately removed from service if equipment does not pass inspection.

INSPECTION AND MAINTENANCE LOG

Serial Number:	
Model Number:	
Date Purchased:	**Date of First Use:**

Inspection Date	Inspection Items Noted	Corrective Action	Maintenance Performed
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			

Inspection Date	Inspection Items Noted	Corrective Action	Maintenance Performed
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			
Approved By:			

EXAMPLE OF TAGS

MANUFACTURED BY ULTRASAFE, INC. USA

Manufacturered in U.S. A.

⚠WARNING!

A FALL COULD RESULT IN SERIOUS INJURY OR DEATH. DO NOT USE UNLESS PROPERLY TRAINED

INSPECT BEFORE USING!

DO NOT REMOVE TAG!!!

ORDER# 553024-001

INSPECTOR	TEAM-1
MODEL	96590D-6
SIZE	6'
DATE	9-06-22

MEETS OSHA & ANSI

Z359.1

A10.32

⚠ CAUTION SIDE & SHOULDER D-RING NOT FOR FALL ARREST. FOR MORE INFORMATION CONTACT MANUFACTURER

CAPACITY 400 LBS M.B.L. 5000 LBS

MATERIAL: NYLON

THIS PRODUCT IS FOR POSITIONING, FALL RESTRAINT OR ANCHORAGE.

- USE ENERGY ABSORBER OR RETRACTABLE LANYARDS WHEN HAZARD OF FREE FALL CAN OCCUR.
- CONNECTORS AND ANCHORAGE POINTS MUST BE COMPATIBLE AND ABLE TO SUPPORT 5,000 LBS. ALWAYS WORK DIRECTLY UNDER ANCHORAGE TO AVOID A SWING FALL INJURY.

MANUFACTURERED IN THE U.S.A.

- ANCHORAGE AND TIE-OFF POINTS MUST BE AT A HEIGHT THAT WILL NOT ALLOW A LOWER LEVEL TO BE STRUCK SHOULD A FALL OCCUR.
- DO NOT ALLOW PRODUCT TO CONTACT SHARP OR ABRASIVE SURFACES, SPARKS OR TEMPERATURES ABOVE 180 DEGREES.
- SNAPHOOKS WITH GATE OPENINGS LARGER THAN ONE INCH (1") MUST NOT BE CONNECTED TO D-RINGS ON HARNESS AND BELTS.
- REMOVE FROM SERVICE IF ANY DAMAGE IS DETECTED.

WARNING

MANUFACTURER'S INSTRUCTIONS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY AND/OR DEATH. CONTACT MANUFACTURER IF INSTRUCTIONS ARE NEEDED. DO NOT EXPOSE TO CHEMICALS AND CORROSIVES WHICH WOULD WEAKEN PARTS. CONSULT MANUFACTURER IF IN DOUBT.

SERIAL NO. P 259193

INSPECTION CHART

Date	Initials