

NFPA MULTICONFIGURATION STRAP

The Multi-Use Strap is a NFPA Rated and NFPA 2500 (1983) 2022 ED (FR Option) Multi-Configuration Strap [G]



! IMPORTANT

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

Before using this equipment, you must:

- Read and understand all instructions for use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.

STORAGE OF THE MULTI-USE STRAP™



ACCESSORY POUCH

The Multi-Use-Strap™ is usually stowed in an accessory pouch located over the left or right thigh. To deploy the Multi-Use-Strap™, simply tear the pouch cover upwards, the strap will then drop allowing immediate usage.



Deploy the Multi-Use-Strap™ by grasping the Shane Ring on the Multi-Use-Strap™ and pull forward.



SCAN THE QR CODE FOR MORE INFORMATION ABOUT THIS PRODUCT INCLUDING VIDEOS AND SETUP INSTRUCTIONS.

! WARNING

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

Before using this equipment, you must:

- Read and understand all instructions before each use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.



Failure to follow these instructions could result in serious injury or death.

USER INFORMATION

User information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the user information from the equipment and retaining it in permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.

Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard of Fire Department Occupational Safety and Health Programs, and NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services, and NFPA 1858.

INSPECTION

Inspect the Multi-Use Strap (MUS)/MCS according to your department's policy for inspecting life safety equipment. Equipment should be inspected after each use by an inspector that meets your departments' training standard for inspection of life safety equipment. Each user should be trained in equipment inspection and should do a cursory inspection before each use.

Inspect the strap for frayed, cut or worn material. Where metal components are subjected to corrosion or deterioration they should look uniform with no cracks, chips or out of shape appearance. Look for excessive chaffing at the wear points; typically where the Kevlar webbing comes into contact with the metal buckles. Inspect any attached accessories and ensure they are fastened or sewn securely

to the belt and in the proper position. If the Multi-Use Strap (MUS)/MCS is impact loaded, it should be inspected by a qualified inspector prior to being returned to service. In some cases, a visual inspection might not be able to determine if the equipment has been damage. Based on the history of the incident, if there is any doubt regarding the safety of the equipment, it should be removed from service and retired.

RETIREMENT CRITERIA

This Multi-Use Strap (MUS)/MCS is to be removed from service immediately if: any of the questions listed above cannot be answered or are answered "yes", If the device does not pass visual inspection or if there is any doubt about the safety or serviceability of the device.

REPAIR

Fire Innovations requires that all repair work be done by the manufacturer. All other repair work or modifications may void the warranty and shall release Fire Innovations, LLC from all liability and responsibility as the manufacturer.

MAINTENANCE

Clean and dry this equipment after each use to remove any dust, debris and moisture. Do not expose the belt to flame or high temperatures. Do not store your Fire Innovations Multi-Use Strap/MCS in direct sunlight.

SAMPLE LOG

The log below suggests permanent record that should be maintained by the purchaser or user of rescue equipment.

WARRANTY & RETURN POLICIES

FIREINNOVATIONS.COM/WARRANTY

EQUIPMENT INSPECTION & MAINTENANCE LOG

Model: **MULTI-USE STRAP (MUS)**
Serial # _____ Purchase Date: ____/____/____

Date	Event / Repair	Inspected By	Comments



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Petaluma, California 94952
United States
www.fireinnovations.com

MUS®
NFPA LADDER STRAP
NFPA MCS



DESIGN FEATURES



NFPA Ladder Strap



NFPA Multi-Configuration Strap



Designed to fit most firefighters, quickly adjustable.



This strap can be used as a one-legged harness when attached to any of Fire Innovations belts.

CERTIFIED NFPA 2500 (1983) 2022 ED
NFPA LADDER STRAP
MULTIPLE CONFIGURATION STRAP [G]

MEETS THE MULTIPLE CONFIGURATION STRAP REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

MINIMUM BREAKING STRENGTH OF 51.6 kN (11,599 LBF) MBS AND RATING ARE DETERMINED USING A BASKET (U) CONFIGURATION.

IN ADDITION, THIS STRAP HAS A MINIMUM BREAKING STRENGTH OF 20.3 kN (4,558 LBF) WHEN PULLED END TO END.

TO BE COMPLIANT WITH NFPA 1983 LADDER BELT STANDARD ON LIFE SAFETY ROPE AND QUIPMENT FOR EMERGENCY SERVICES 2022 EDITION; AND OPTIONAL FLAME RESISTANCE REQUIREMENT. THE FOLLOWING ADDITIONAL COMPONENT MUST BE USED IN CONJUNCTION WITH THIS BELT: "COMPONENT MODELS: CH, SP, CO, LA, CR, MO, AP, APC, AR, AR2, DA, OH

DIRECTIONS TO MAKE NFPA LADDER BELT: ATTACH THE CARABINER FROM CMUS ONTO THE D-RING ON THE ESCAPE BELT; WRAP THE CMUS AROUND THE LADDER RUNG AND SNAP BUCKLE ONTO THE MUS.

UNDERSTANDING
BELT LABEL DETAILS

1. Fire Innovations part number. The MUS is NFPA certified with optional carabiners or multi configuration straps. This section indicates which option is installed (01) Steel (02) 2 Stage Carabiner (03) 3 Stage Carabiner (04) Multi-Configuration Strap (05) Sewn-On strap.
2. The serial number is a required NFPA tracking ability. This number is unique for every belt manufactured.
3. Production date.
4. Underwriter's Laboratories registration number. For the latest information about certification on Fire Innovations products, please refer to this number MH28862 when searching for UL registration.
5. Country of origin. Fire Innovations takes pride of the fact that we use only US made raw goods for our belts. Our belts are manufactured in California, United States.
6. The QR code will direct you to a the product specific information, including features, installation and video demonstrations.

MUS[®]
NFPA LADDER STRAP
NFPA MCS



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DIRECTIONS TO MAKE NFPA LADDER BELT: ATTACH THE CARABINER FROM CMUS ONTO THE D-RING ON THE ESCAPE BELT; WRAP THE CMUS AROUND THE LADDER RUNG AND SNAP BUCKLE ONTO THE O-RING ON THE MUS



Please read product instructions before usage.

MULTI-USE STRAP (MUS)
LADDER STRAP

1. Part# 1101-0090
2. 230435
3. Manufactured Date March, 2023
4. 45728
5. Made in the USA

FIRE INNOVATIONS, LLC
830 PETALUMA BLVD N
PETALUMA, CA 94952
FIREINNOVATIONS.COM

NFPA LADDER STRAP
NFPA MCS



PRODUCT OVERVIEW

The Multi-USE Strap / MUS is a certified NFPA 2500 (1983) 2022 ED Fire Resistance (FR) Ladder Strap/Multi-Configuration Strap. It is easy to use and makes an outstanding multi-function firefighter tool. This patented Multi-Use Strap as a NFPA ladder strap, a one leg harness, and various RIT and victim carries/drops. This strap can be neatly stowed inside an accessory pouch or a turnout pocket.

HIGHLIGHTS

- A NFPA Ladder strap
- A one leg harness
- Used in RIT operations to drag a down firefighter
- NFPA Positioning Point (Safety strap) in an aerial platform/ bucket
- NFPA Positioning Point (Safety strap) in roof ladder operations
- Tethering with another firefighter during search activities
- NFPA Multi-Configurations Strap or change of direction strap
- Place as a double leg harness

VERSATILITY

This strap can be neatly stowed inside an accessory pouch or a turnout pocket. Also, the end of the MUS is a NFPA Positioning Point.



Some of the patented features of the Multi-Use-Strap™ are the Adjustable Buckle 1, the Shane Ring 2, and a connection point ring 3. The use of these components allows several combinations for use in numerous applications.

NFPA LADDER STRAP

The Multi-Use Strap is a NFPA 2500 (1983) 2022 ED MCS/Ladder Strap. It is also a NFPA Certified attachment and positioning point.

⚠ IMPORTANT

Do not attempt to repack the Multi-Use-Strap™ in the pouch until you are safely on the ground.



- Climb to the desired rung of the ladder.
- Release the Multi-Use-Strap™ from the pouch.
- Wrap the strap around a rung located above the waist and below the shoulders 1.
- Clip the Multi-Use-Strap™ adjustment buckle on to the D-ring of the main belt or the O-ring of the Multi-Use-Strap™ 2.
- Adjust the Multi-Use-Strap™ to the desired tension by pulling on the tail of the Multi-Use-Strap™ located after the adjustment buckle.

TO DISCONNECT: Loosen webbing at the adjustment buckle. Unclasp from D or O-ring and remove the strap from around the rung.

ONE-LEGGED HARNESS

This patented Multi-Use Strap can be wrapped around leg for temporary storage and comfort while rappeling.

