

INSTRUCTION FOR USE

COMANCHE[®]

NFPA ESCAPE BELT
NFPA LADDER BELT



UL CERTIFIED TO

NFPA 1983 - 2017

FLAME RESISTANCE OPTION



Fire Innovations
830 Petaluma Blvd N
Petaluma, California 94952
United States
www.fireinnovations.com

BELT DESIGN FEATURES



Design to quickly adjust to any firefighter's waist size.



Sized to be donned over the turnout pants. Easy forward fine adjustment.



With the optional Multi-Use Strap[®], this belt is a NFPA Ladder Belt.



Three gear loops allow installation of multiple tool holders and accessories.



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 for 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.

INSPECTION

Inspect the belt 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 belt for frayed, cut or worn material. Buckles 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 the tool holders and ensure they are fastened or sewn securely to the belt and in the proper position.

If the Harness/Belt 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 damaged. 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.

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 Firefighter belts in direct sunlight.

SAMPLE LOG

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

WARRANTY & RETURN POLICIES

FIREINNOVATIONS.COM/WARRANTY

EQUIPMENT INSPECTION & MAINTENANCE LOG

Model: **COMANCHE ESCAPE BELT**

Serial # _____ Purchase Date: ____/____/____

Date	Event / Repair	Inspected By	Comments

CERTIFIED 1983, 2017 STANDARD

ESCAPE BELT • LADDER BELT

PAT. #US 6,732,834

"THIS BELT MEETS THE REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION, AND THE OPTIONAL FLAME RESISTANCE REQUIREMENTS OF NFPA 1983, TYPE ESCAPE BELT."

"TO BE COMPLIANT WITH NFPA 1983 LADDER BELT STANDARD AND POSITION POINT THE FOLLOWING ADDITIONAL COMPONENTS MUST BE USED IN CONJUNCTION WITH THIS BELT."

COMPONENT MODEL: MULTI-USE-STRAP™
(MUS) P/N:1101-0090

1. Fire Innovations part number.
2. Waist size. Includes a six inch (6") adjustment to allow donning on turnout pants.
3. The serial number is provided for NFPA tracking. This number is unique for every belt manufactured by Fire Innovations.
4. The Comanche is certified with optional buckles, this indicates which one is installed. (1) Inverted (2) Butterfly
5. If a Multi-Use Strap is sewn-on, then this space will show (1).
6. Number of NFPA attachment points installed on the belt.
7. Number of NFPA Positioning Points installed on the belt.
8. Production date.
9. Underwriters Laboratories registration number. For the latest information about certification on Fire Innovations products, please refer to this number 3BFO when searching for UL registration.
10. Country of origin. Fire Innovations takes pride of the fact that we use only the best made raw goods for our belts. Our belts are manufactured in California, United States.

COMANCHE®

NFPA ESCAPE BELT NFPA LADDER BELT

Understanding belt label details

THIS BELT MEETS REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES 2017 EDITION; AND OPTIONAL FLAME RESISTANCE REQUIREMENTS OF NFPA 1983, TYPE ESCAPE BELT/LADDER BELT*.
DO NOT REMOVE THIS LABEL!

**COMANCHE(CO)
NFPA ESCAPE BELT**

- ① Part # 1101-0003
- ② FITS WAIST SIZE **28-48**
- ③ S/N 2107106
- ④ Buckle Type **1**
- ⑤ Ladder Belt (MUS) *****
- ⑥ Attachment Point(s) **1**
- ⑦ Positioning Point(s) **1**


* "TO BE COMPLIANT WITH LADDER BELT, NFPA 1983, 2017 EDITION, THE FOLLOWING ADDITIONAL COMPONENT MUST BE USED IN CONJUNCTION WITH THIS BELT."

Component Model: [MUS]
Multi-Use-Strap 1101-0090

DIRECTIONS TO MAKE A
NFPA LADDER BELT:
PLEASE REFER TO COMPONENT
INSTRUCTIONS.

Please read product
instructions before usage.

Manufactured Date
January, 2018

- ⑧  Inspected By
- ⑨ 3BFO

"EMERGENCY SERVICES LIFE
SAFETY BELT IN ACCORDANCE
WITH NFPA 1983-2017"

- ⑩ MADE IN THE USA
FIRE INNOVATIONS, LLC
830 PETALUMA BLVD N
PETALUMA, CA 94952
FIREINNOVATIONS.COM



"EMERGENCY SERVICES LIFE SAFETY BELT IN
ACCORDANCE WITH NFPA 1983-2017" 3BFO



Comanche Escape Belt
1101-0003

COMANCHE[®]



PRODUCT OVERVIEW

The Comanche Belt is a certified NFPA 1983:2017 Fire Resistance (FR) Escape/Ladder* Belt (with MUS). It was design to be assigned to an individual, and be donned over the turnout pants or coat. The gross adjustment on the back of the Comanche, allows this belt to be sized to a wide range of waist sizes (28"-48"). This adjustment feature allows a department to reissue it to another firefighter when needed. It only takes a few minutes to adjust the gross adjuster. The fine adjustment allows the belt to be tightened or relaxed for a custom fit. The belt is ambidextrous and can be incorporated for use with bailout systems.

Both sides of the belt can be utilized for equipment, such as axe loops and other various belt accessories.

One fixed D-Ring (NFPA Attachment /Positioning point) is standard, with additional sliding D-Rings (NFPA Attachment/Positioning point) available as a customized option.

HIGHLIGHTS

- NFPA Escape & Ladder Belt
- One belt fits all
- Ambidextrous design (Left or right handed)
- Forward pull fine adjustment
- 100% Kevlar construction
- Optional NFPA Sliding Second Attachment Point (D-Ring)

VERSATILITY

The Comanche is a NFPA FR Escape Belt & Ladder Belt*, it uses an upgradable modular design. One size fits all.

This belt can be outfitted with a variety of different bailout systems and accessories for added versatility.

MODULAR & UPGRADABLE

The Comanche belt accessories can be added at anytime. This keeps the cost down on the initial purchase. One only needs to buy one belt, and then add accessories as needed to meet your requirements.

- Axe/Tool Loop
- Leather Axe Scabbard
- Chainsaw/Light Box Holder
- Accessory Pouches
- Bailout or Utility Rope Bags
- Custom Accessories

SIZING & DONNING



Use the chart below to find your waist size (station pants or jeans, NOT turnout). Use the number in the "Expansion Strap Gap", to measure from the last bartac on the V-Ring) side to the outside end of the tri-bar buckle.



WARNING

The Belt Adjustment Strap **MUST** be locked prior to be donned and put into service. Failure to do so, may result in serious injury or death.



Waist	Expansion Strap Gap
28	7"
30	9"
32	11"
34	13"
36	15"
38	17"

Waist	Expansion Strap Gap
40	19"
42	21"
44	23"
46	25"
48	27"
50	29"



Start by setting the belt expansion strap to YOUR NATURAL waist size.

Position the belt around the waist low on the hips.

Fasten the snap buckle to V-Ring **1**

The D-Ring (next to buckle) should be placed midline to the body **2**.

Once you feel comfortable with sizing, lock the expansion strap by feeding it over the adjustment buckle. **3** Use the Nomex elastic band to secure any excess strap.

Pull the fine adjustment strap forward to tighten **4**. The belt should be tight but not constrictive.



Additional video instructions available at:
<http://fireinnovations.com/videos/comanche>

BELT ACCESSORIES

MULTI-USE STRAP™ / NFPA LADDER STRAP

- UL Certified to NFPA 1983:2017ed FR Option
NFPA 1983:2017 Ladder strap
NFPA Escape anchor or change of direction strap
NFPA Positioning Point for aerial platform/bucket safety
NFPA Positioning Point for roof ladder operations
- A one leg harness
- Used in RIT operations to drag a down firefighter
- Tethering during search activities



Multi-Use-Strap: 1101-0090



MUS used as a Ladder strap

ACCESSORY STORAGE POUCH



Accessory Pouch: 1101-0080

Accessory pouches allow stowage of the Multi-Use-Strap as well as a multitude of firefighter accessories such as tethers, gloves, etc.



MUS used as a one-legged harness

AXE SCABBARD



Use caution when donning/doffing your belt with an axe scabbard. Tool may fall and cause serious injury.

AXE - TOOL HOLDER



Use caution when donning/doffing your belt with a tool in the Axe/Tool Holder. Tool may fall and cause serious injury.



Half Scabbard: 1105-0024

Full Scabbard: 1105-0020

The Leather Scabbard is available for left or right side mount, half or full scabbard, 45 or 90 degree rake angle. (shown here is a right, full, 45 configuration)



Axe/Tool Holder: 1101-0075

The Tool/Axe Loop can be installed on any available Gear Loop, although the recommended installation is on the second Gear Loop from the fixed Attachment Point.

WARRANTY & RETURN POLICIES

THESE ARE THE SOLE AND COMPLETE WARRANTY AND RETURN POLICIES FOR ALL PRODUCTS AND SETS FORTH THE EXCLUSIVE REMEDIES OF THE CUSTOMER. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. IN NO EVENT SHALL FIRE INNOVATIONS BE LIABLE FOR DAMAGES IN EXCESS OF THE PRODUCT VALUE OR FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES TO PERSON OR PROPERTY ARISING OUT OF THE USE OR INABILITY TO USE OF SUCH PRODUCT; TO THE FULL EXTENT THE APPLICABLE LAW MAY DISCLAIM SUCH DAMAGES.

RETURN POLICY

Fire Innovations allows returns or exchanges on all non-customized merchandise. Returned merchandise must be delivered in “as delivered” condition without any “use” marks. We offer a 30 day window, following the receipt, for these returns with no restocking or handling fee. Following that 30 day window a 10% restocking and handling fee will be assessed. After 90 days, all returns will be issued a company credit for the amount of invoice minus 15% restocking and handling fee. Additionally, no returns are allowed for discontinued items over 30 days of receipt. The customer is required to obtain a RMA (Return Merchandise Authorization) prior to returning any merchandise. The customer is fully responsible for shipping costs.

LIMITED WARRANTY

Fire Innovations warrants all its products will be free from defects in construction and workmanship for 90 days from the date of purchase. Fire Innovations at its sole option may either repair or replace a defective product at no charge to the customer. A copy of customer purchase receipt and/or invoice may be required for warranty.

CUSTOMER OBLIGATIONS

It is the customer’s obligation to fully understand all form, fit and function of the product(s). To obtain warranty service or return services, a customer must complete the warranty Review Request Form included with the product or available online and fax or mail it back to Fire Innovations. Once the form is reviewed, a RMA will be issued. The customer must return the product, shipping charges prepaid, along with the warranty request to the provided address.

EXCLUSIONS

The warranty and return policies do not cover any product which has suffered normal wear and tear, defects resulting from accidents, product misuse, product abuse, failure to follow product instructions, improper product maintenance, neglect, tampering with the product, alterations, unauthorized product repairs, fire, flood, chemicals, acts of God, and damage while in transit to Fire Innovations. Further, this warranty expressly does not cover any general or consequential damages to person or property other than the product, including but not limited to devices used in conjunction with the product.

REPLACEMENT GUARANTEE PROGRAM

If it is determined that the failure claimed is not covered by our warranty program, you may be eligible for our Replacement Guarantee Program. This program offers any customer that has product failure/damage within a two year period (proof of purchase maybe required) that is not covered by our warranty, a replacement product at a prorated discounted price.

Replacement Program Prorated Discount Schedule

0-6 months	6 months-1 year	1 year - 18 months	18 months-2 years
25%	20%	15%	10%



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FIPUM-11010003.B