



Fire Innovations

Product Specifications

Product No	1101-0003
Description	Comanche Escape/Ladder Belt
Revision	C
Date:	01.17.19



KEY FEATURES

- Custom fitted to individuals 28in. to 50in. waist.
- Fast fine adjustment
- Use of both sides of belt for carrying tools.
- Kevlar® Constructed
- NFPA 1983-2017 Escape Belt & Ladder Belt*
- Optional Sliding NFPA Attachment/Positioning Point (D-Ring)

KEY BENEFITS

- Tool Belt
- Rescue Belt
- Best for Departments with high turnover rate in personnel.
- Can be used over the turnout Coat or Pants
- Fast Fine adjustment in front.

CERTIFICATIONS

- NFPA 1983-2017 FR Escape & Ladder Belt

RELATED PRODUCTS

- Cheyenne Escape Belt

INTENTION OF DESIGN

The Comanche Belt was design to be assign to an individual, and be fixed to either the turnout pants or placed cover the coat. The gross adjustment allows the firefighter belt to be sized to a wide range of waist sizes (28"-50"). This adjustment feature allows a department to reissue it to another firefighter once the original firefighter leaves the department. 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 most 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 customization.

Due to the rear adjustment design and the one-size-fits-all feature, this belt does not allow for the option for a rearward NFPA positioning point.

OVERVIEW

The Comanche Belt is a certified NFPA 1983:2017 Fire Resistance (FR) Escape/Ladder* Belt. The accessory Kevlar gear loops are located on both sides. Gear loops on both sides of the belt add to its great versatility by allowing incorporation of various upgrades and accessories.

A patented Multi-Use Strap can be added, and functions as a NFPA ladder strap, a one leg harness, and used for various RIT and victim carries/draggs. This strap can be neatly stowed inside an accessory pouch or a turnout pocket.

The Comanche series is constructed with 1.75" Kevlar® webbing, and comes standard with an attachment point for bailout and/or connecting a NFPA ladder strap.

HIGHLIGHTS

- NFPA Escape & Ladder Belt
- One belt fits all
- Ambidextrous design (Left or right handed)
- Forward pull fine adjustment
- 100% Kevlar construction
- Option NFPA Sliding Attachment Point (D-Ring 40degree)

VERSATILITY

The Comanche is a NFPA FR Escape Belt & Ladder Belt*, it uses an upgradable modular design. Easily fitted to individuals from 28" to 50", and to both, left or right hander's. Can be adjusted to any firefighter with a gross adjustment on the back of the belt, and Fine six inch (6") adjustment on the front of the belt.

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 initial cost down. One only needs to buy one belt, and then add accessories as needed to meet their preferences.

Accessories:

- HG2
- Axe/Tool Loop
- Chainsaw/Light Box Holder
- Glover Holder
- Multi-use Strap
- Accessory Pouch

ADDITIONAL INFORMATION

Visit us
www.fireinnovations.com

COMPANY FACTS

- Fire Innovations is an ISO 9001:2015 certified manufacturer.
- Products Independently tested by Underwriters Laboratories (UL)
- Founded in year 2000
- All products, proudly made in the USA

TECHNICAL SPECIFICATIONS

Materials	Description	Specifications
Buckles	Forged Steel	100% Proof Tested 2500lb+
Materials	Kevlar® Webbing	9000lbs
Thread	Kevlar®	138 Bonded
Weight	1.4 lbs ± .2 lbs.	

Product Segments	
Fire Departments	Personal belts that can be adjusted to the user size. Can be given to other individual and resized to fit the new individual.
Fire Colleges	Lending to the students for the term of the program.
Multi Size	Gross Multi Size (2 mins.) adjustment Fine Fast (1-3sec) adjustment
Custom Size	After the Gross Multi Size is adjusted.

ACCESSORIES

Part No.	Description
1101-0003	Comanche Escape Belt - 1 Attachment Point
1101-0004	Comanche Escape Belt - 2 Attachment Points (1 Floating)
1101-0075	Axe/Tool Holder
1101-0090*	Multi-Use Strap™: NFPA Ladder Strap, Positioning Point, Escape Anchor (with carabiner option)
1101-0080	Accessory Pouch
1101-0083	Bailout Pouch
1101-0085	Bailout & Accessory Pouch
1102-0006	Hook & Go II
1105-0024.45	Right Half Leather Scabbard
1105-0020.45	Right Full Leather Scabbard
1105-0026.45	Left Half Leather Scabbard
1105-0022.45	Left Full Leather Scabbard
1105-0037	Small Leather Back Plate
1105-0007	Chainsaw/Light Box
1105-0006	Glove holder

BID SPECIFICATIONS

Comanche Series Firefighter Escape Belt

General Requirements

The escape belt shall be compliant to NFPA 1983-2017 FR Escape/Ladder Belt Edition Standards. The belt shall be capable of a minimum of 3,034 lbs. static load. The belt shall be constructed of one and three quarter inch (1.75") Kevlar® webbing. The belt shall be able to fit firefighter's waists from 28" to 50". The belt shall have a NFPA D-ring attachment/positioning point, two (2) sets of gear loops for tools and accessories. See above accessories for other options.

Buckles

All buckles shall be constructed of forged alloy steel and 100% proof load tested @11.2kN 2500 lbs.).

Webbing

The main body shall be constructed of a continuous three to 4 layered Kevlar webbing and sewed with Kevlar® thread, except for the back adjusting strap which shall be constructed of a single layer of Kevlar webbing.

Comanche Series Firefighter Escape/Ladder Belt

General Requirements

The escape belt shall be compliant to NFPA 1983-2017 FR Escape/Ladder Belt Edition Standards. The belt shall be capable of a minimum of 3,034 lbs. static load. The belt shall be constructed of one and three quarter inch (1.75") Kevlar® webbing. The belt shall be able to fit firefighter's waists from 28" to 50". The belt shall have a NFPA D-ring attachment/positioning point, two (2) sets of gear loops for tools and accessories. A Multi-Use Strap is to be incorporated with this belt to create a certified NFPA ladder belt. This strap shall be connected to the NFPA D-Ring with either a NFPA carabineer or NFPA multi-configuration Strap.

Buckles

All buckles shall be constructed of forged alloy steel and 100% proof load tested @11.2kN 2500 lbs.).

Webbing

The main body shall be constructed of a continuous three to 4 layered Kevlar webbing and sewed with Kevlar® thread, except for the back-adjusting strap which shall be constructed of a single layer of Kevlar webbing.

Q & A

Question

What approvals do the Fire Innovations Comanche Series belts have?

Answer

The Fire Innovations Comanche Series belt is approved and designed to exceed the standards of both NFPA 1983-2017 edition (Standard for Fire Service Life Safety Rope and System Components) as an Escape belt and/or Ladder belt (with the optional Multi-Use Strap).

Question

My department has firefighters of various sizes. Can the Fire Innovations Comanche Series belt accommodate our firefighters?

Answer

Yes. The Fire Innovations Comanche series belts were designed to accommodate most firefighters. A single belt can be adjusted from 28" to 50". This is done by first setting the gross adjustment in the back, then leaving a 6" fine adjustment in the front. This unique design allows the wearer to use both sides of the belt.

Question

How are the Fire Innovations Comanche Series belts sized?

Answer

The Fire Innovations Comanche Series belts are sized one size fits all 28"-50". Gross Adjustment in the back of the belt, fine adjustment allows expansion to the turnouts.

Question

How much does the Fire Innovations Comanche Series belt weight?

Answer

The Fire Innovations Comanche Series belt weights approximately 1.6 lbs. Accessories such as tool loops, axe scabbards and ladder straps are optional equipment and do add to the weight accordingly.

Question

Can this belt have another NFPA Attachment/Positioning Point (D-Ring)?

Answer

Yes, only one on the Primary D-Ring side.

Question

Can this belt have a NFPA Positioning Point (Tag Ring)

Answer?

No. Due to the design and its ability to cover all waist sizes, a rear positioning/tag ring is not an available option for this belt.

Question

Can a bailout system be attached to the Comanche series belt?

Answer

Yes. Fire Innovations has several different styles of bailout systems that can be incorporated with this belt. Each style bailout system has been designed to meet specific firefighter requirements and needs.

Question

Why would I purchase the Comanche Series belt over the Cheyenne Series belts?

Answer

The Comanche Series belt is a great choice for departments that have a high turnover of personnel or for teaching colleges where it's lent to students for the term. The Cheyenne belt is designed more for the individual or professional firefighter. Additionally, it the department requires that the escape belt have a NFPA rear positioning point the Cheyenne Series belt has that option.

Question

Should I get the Multi-Use Strap attached to the belt or carabineer on?

Answer

The use of the Carabineer Multi-Use Strap has some functional advantages over the hitch on/lanyard Multi-Use Strap. One could put the strap away either on the turnout pocket or the rig, when not in need. Carabineer model can also be rapidly disconnected and even be used as a NFPA Escape Anchor.

Question

What are the benefits of having the Multi-Use Strap lanyard on to the belt?

Answer

The most beneficial reason is that multi-use strap will not get lost when attached, it is readily available for use. The multi-use strap is stowed into the accessory pouch, attached to the belt and it maintains a low profile.