



# Fire Innovations

## Product Specifications

<b>Product No</b>	1101-0006
<b>Description</b>	<b>Lakota Escape/Ladder Belt</b>
<b>Revision</b>	B
<b>Date:</b>	2/10/2021



### KEY FEATURES

- Custom fitted to individuals 28" to 50" waist.
- Fast fine adjustment
- Kevlar® Constructed.
- NFPA 1983:2017 Escape Belt & Ladder Belt\*
- Sliding NFPA Attachment /Positioning Point (40°D-Ring)
- Fixed NFPA Attachment /Positioning Point (40°D-Ring)

### KEY BENEFITS

- Best for Departments assigning belts to personnel.
- Worn over the turnout pants.
- Fast Fine adjustment in front.

### CERTIFICATIONS

- NFPA 1983:2017 Escape & Ladder Belt

### RELATED PRODUCTS

- Spokane Escape/Ladder Belt

### Overview

The Lakota Belt is a great choice for departments that will assign the belt to individual department members. The belt will fit an extensive range of sizes (28"-50" waist). This feature allows a department to outfit their personnel with a minimum number of belts. It only takes a few minutes to adjust the gross adjuster at the back of the Lakota belt to fit almost any firefighter.

This sizing feature is also useful for individuals whose waist size can vary greatly.

The Lakota belt is best worn over the turnout pants, secured with belt loops.

The fine adjustment feature allows the belt to be tightened or relaxed for a custom fit.

The ambidextrous design allows the belt's forward pull, fine adjustment feature to be set for left or right-handed use.

The Lakota belt comes standard with two D-ring attachment points. One D-ring is mounted to the front of the belt. The other floating D-ring slides along the fixed side of the belt.

The Lakota can accommodate many different types of bailout systems. A Fire innovations Multi-Use strap can be attached to the fixed D-ring to create a one-leg harness, NFPA ladder strap, to perform RIT drags and carries, and other practical fire ground operations.

### HIGHLIGHTS

- NFPA Escape & Ladder Belt
- One belt fits most.
- Ambidextrous design (Left or right-handed tightening)
- Forward pull fine adjustment
- Kevlar webbing construction
- NFPA Sliding Attachment Point (Bent D-Ring)

### VERSATILITY

The addition of the Fire Innovations Multi-Use strap dramatically enhances the Lakota belt's versatility, turning the escape belt into an NFPA ladder belt, fall protection in an aerial basket or roof operations, one legged harness, bailout belt to name a few.

### MODULAR & UPGRADABLE

The Lakota belt accessories can be added at anytime.

Accessories include:

- Pocket bailout system
- Multi-use Strap

## ADDITIONAL INFORMATION

Visit us  
[www.fireinnovations.com](http://www.fireinnovations.com)

## COMPANY FACTS

- Fire Innovations is an ISO 9001:2015 registered 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 assigned to another individual and resized to fit the new firefighter's waist.
Fire Colleges	Lending to the students for the term of the program.
Multi Size	Gross Multi Size (2 mins.) adjustment Fine Fast adjustment (1-3sec)
Custom Size	After the Gross Sizing is adjusted.

## ACCESSORIES

Part No.	Description
1101-0006	Lakota Escape Belt – 2 Attachment Point
1102-0019.50	PB50 pocket bailout
1102-0019.40	PB40 pocket bailout
1102-0019.30	PB30 pocket bailout
1101-0090.02	Multi-Use strap with 2 stage carabiner

## ***BID SPECIFICATIONS***

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### **Lakota Series Firefighter Escape/Ladder Belt**

#### ***Construction***

The escape belt shall be compliant with the current edition of NFPA 1983 FR Escape/Ladder Belt 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 have an NFPA D-ring attachment/positioning point and one floating D-Ring attachment/positioning point.

#### ***Buckles***

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

#### ***Webbing***

The main body shall be constructed of a continuous three to 4 layered 13/4" Kevlar webbing and sewed with Kevlar® thread. The back-adjusting strap shall be constructed of a single layer of 13/4" Kevlar webbing.

#### ***General Requirements***

The belt shall be able to fit the firefighter's waist from 28" to 50". The belt shall have two NFPA D-ring attachment/positioning points.

A Multi-Use Strap can be incorporated with this belt to create a certified NFPA ladder belt. The multi-use strap can be connected to the fixed NFPA D-Ring with either an NFPA carabiner or NFPA multi-configuration Strap.

## ***Q & A***

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### Question

What approvals do the Fire Innovations Lakota Series belts have?

### Answer

The Fire Innovations Lakota 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 Lakota Series belt accommodate our firefighters?

### Answer

Yes. The Fire Innovations Lakota 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 Lakota Series belts sized?

### Answer

The Fire Innovations Lakota 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 Lakota Series belt weight?

### Answer

The Fire Innovations Lakota 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 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 Lakota 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 Lakota Series belt over the Spokane Series belts?

### Answer

The Lakota 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 Spokane belt is designed more for the individual or professional firefighter. Additionally, the department requires that the escape belt have a NFPA rear positioning point the Spokane 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.