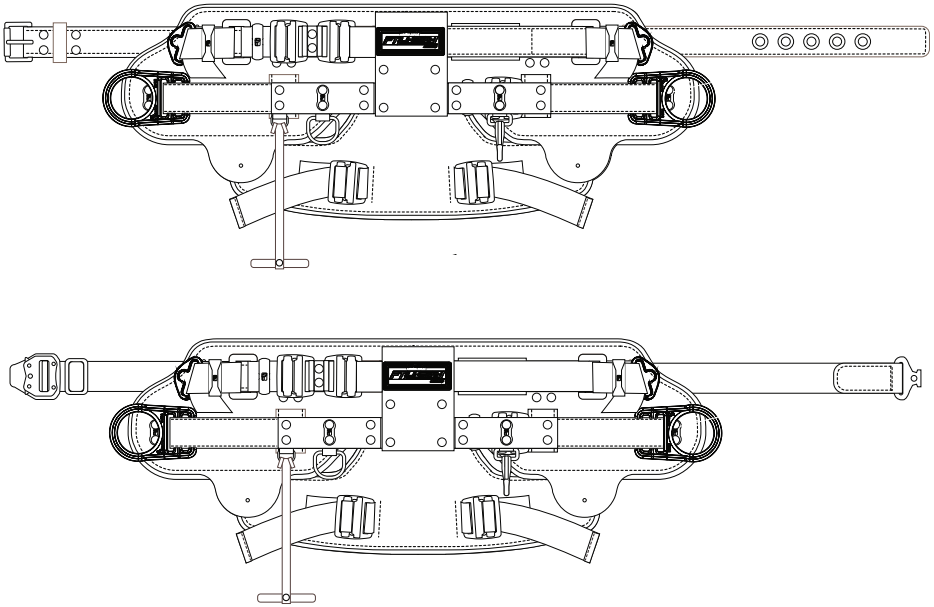




## User Instruction Manual

# FT-Lineman Pro Body Belt



This manual is intended to meet the Manufacturer's Instructions as required by the Canadian Standards Association (CSA) Z259 and American Society for Testing and Materials (ASTM) F887 and should be used as part of an employee training program as required by the Occupational Safety and Health Administration (OSHA).

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For purposes of this manual, the FT-Lineman Pro Body Belt in all iterations may be referred to collectively as the FT-Lineman Pro, the body belt, the equipment, the device, the product, or the unit.

Any non-English translations of this user instruction manual are for reference only.

## 1.0 Warnings and Important Information

### WARNING

- Avoid moving machinery, thermal, electrical and/or chemical hazards as contact may cause serious injury or death.
- Follow the weight restrictions and recommendations in this manual.
- Remove from service any equipment subjected to a fall. Product may return to service after passing inspection by a Competent Person who is not the user.
- Remove from service any equipment that fails inspection.
- Do not alter or intentionally misuse this equipment.
- Consult FallTech when using this equipment in combination with components or subsystems other than those described in this manual.
- Avoid sharp and/or abrasive surfaces and edges.
- Examine the work area. Be aware of the surroundings and workplace hazards that may impact safety, security, and the functioning of fall restrict systems and components.
- Hazards may include but not be limited to cable or debris tripping hazards, equipment failures, personnel mistakes, moving equipment such as carts, barrows, fork lifts, cranes, or dollies. Do not allow materials, tools or equipment in transit to contact any part of the fall restrict system.
- Do not work under suspended loads.

### IMPORTANT

This product is part of a personal fall restrict or work positioning system. This equipment is designed for use by persons trained in its correct application and use.

These instructions must be provided to the worker using this equipment. The worker must read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the worker's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

A Fall Protection Plan must be on file and available for review by all workers. It is the responsibility of the worker and the purchaser of this equipment to assure that users of this equipment are properly trained in its use, maintenance, and storage. Training must be repeated at regular intervals. Training must not subject the trainee to fall hazards.

Consult a doctor if there is reason to doubt your fitness to safely absorb the shock of a fall event. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use this equipment.

ANSI limits the weight of fall protection equipment users to a maximum of 310 lbs. Products in this manual may have a rated capacity exceeding ANSI capacity limits. Heavy users experience more risk of serious injury or death due to falls because of increased fall arrest forces placed on the user's body. In addition, the onset of suspension trauma after a fall even may be accelerated for heavy users.

The user of the equipment discussed in this manual must read and understand the entire manual before beginning work.

**NOTE:** For more information consult the CSA Z259 or ASTM F887 body of standards.

## 2.0 Description

The FallTech® FT-Lineman Pro Body Belt is a fully adjustable, all leather, seated body belt designed specifically to be used as part of a personal fall restrict system for use when climbing and working on wood utility poles while using a wood pole fall restrict device (WPF RD).

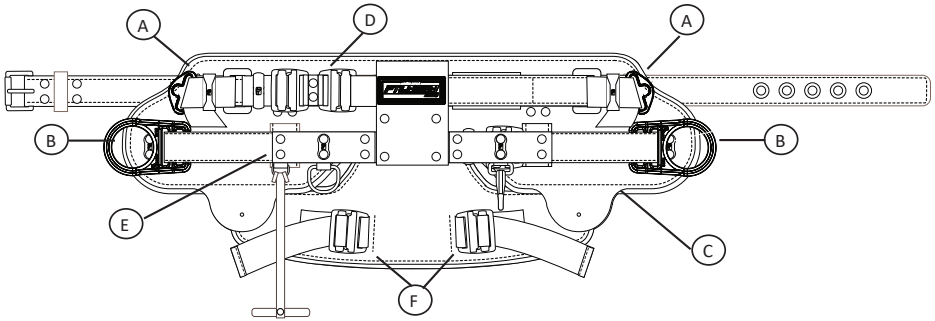
This manual contains one Appendix that contains figures and table specific to the Body Belt discussed in this manual.

The Body Belt discussed in this manual must be properly adjusted and used in accordance with the

manufacturer's instructions. The FT-Lineman Pro Body Belt discussed in this manual has a maximum freefall limit of 2 feet (0.6 m). Working above this 2 foot (0.6 m) freefall limit is prohibited. Keep the WPFRD at or above waist height. To minimize freefall distance, work as close to the pole as possible.

Figure 1 below depicts the FallTech FT-Lineman Pro Body Belt and all of its components that will be referenced throughout this user instruction manual.

See Table 1A in Appendix A for product and materials specifications as well as sizing information.



**Figure 1 - About FallTech® FT-Lineman Pro Body Belt**

<b>A</b>	Primary Connecting Links	<b>D</b>	Upper Tongue Adjusters
<b>B</b>	Dielectric Overmolded D-Rings	<b>E</b>	Secondary D-Ring Adjuster
<b>C</b>	Leather Seat Support	<b>F</b>	Seat and Primary Connecting Link Adjusters

### 3.0 Application

#### 3.1 Purpose:

The FallTech® FT-Lineman Pro Body Belt is to be used as part of a personal fall restrict system for use when climbing and working on wood utility poles.

#### 3.2 Personal Fall Restrict System:

A Personal Fall Restrict System is an assembly of components and subsystems used to restrict or limit freefall during a fall event. It typically consists of a wood pole fall restrict device (WPFRD) and a properly fitted lineman's body belt. Maximum permissible free fall in a typical Personal Fall Restrict System is 2' (0.6 m). Ensure that adequate fall clearance exists in the potential fall path to prevent contact with a lower level or obstruction. The product discussed in this manual may be used on wood poles only.

#### 3.3 Rescue:

Ensure a written rescue plan, method and system is in place and readily available for rapid response. Rescues may require specialized equipment or measures. Rescue operations are beyond the scope of this manual. See ANSI Z359.4 and Z359.2.

### 4.0 System Requirements

#### 4.1 Capacity:

The Falltech FT-Lineman Pro Body Belt is designed for use by a single user with a combined maximum weight of user, tools, clothing, etc., of 425 lbs (191 kg).

#### 4.2 Compatibility of Connectors:

Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact FallTech if you have any questions about compatibility. Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. Connectors must be compatible in size, shape, and strength. Self-closing,

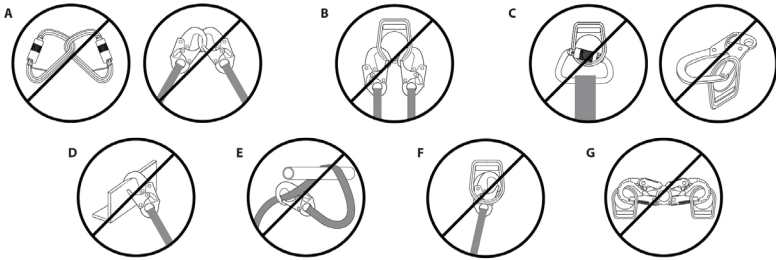
self-locking connectors are required by ANSI, CSA, ASTM, and OSHA.

### 4.3 Compatibility of Components:

Equipment is designed for use with approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may affect the safety and reliability of the complete system.

### 4.4 Making Connections:

Only use self-locking connectors with this equipment. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape, and strength. Do not use equipment that is not compatible, see Figure 2. Visually ensure all connectors are fully closed and locked. Connectors are designed to be used only as specified in each product's user's instructions. Only ANSI Z359.12-2019 compliant carabiners or snap hooks shall be attached to the Primary Connecting Links. Ensure that all connections are fully closed and locked.



**Figure 2 - Non-Compatible Connections**

<b>A</b>	Never connect two active components (snap hooks or carabiners) to each other.
<b>B</b>	Never connect two active components (snap hooks or carabiners) to a single D-ring at the same time.
<b>C</b>	Never connect in a way that would produce a condition of loading on the gate.
<b>D</b>	Never attach to an object in a manner whereby the gate (of the snap hook or carabiner) would be prevented from fully closing and locking. Always guard against false connections by visually inspecting for closure and lock.
<b>E</b>	Never attach explicitly to a constituent subcomponent (webbing, cable or rope) unless specifically provided for by the manufacturer's instructions for both subcomponents (snap hook or carabiner and webbing, cable or rope).
<b>F</b>	Never attach in a manner where an element of the connector (gate or release lever) may become caught on the anchor thereby producing additional risk of false engagement.
<b>G</b>	Never attach a spreader snap hook to two side/positioning D-rings in a manner whereby the D-rings will engage the gates; the gates on a spreader must always be facing away from the D-rings during work positioning.

**⚠ WARNING**

**Never connect or attach wires, tools, or equipment on the Connecting Links or D-rings of your Body Belt. Foreign objects could interfere with the operation of the carabiners or snaphooks and result in an accidental disengagement.**

**Use caution. Take action to avoid sharp and/or abrasive surfaces and edges when possible.**

## 5.0 Installation and Use

### **WARNING**

**Do not alter or intentionally misuse this equipment. Consult FallTech when using this equipment in combination with components or subsystems other than those described in this manual. All components or subsystems used with the Body Belt discussed in this manual must comply with CSA Z259, ASTM F887, and/or OSHA.**

#### 5.1 Pre-Use Inspection:

Before each use, inspect all components of the FT-Lineman Pro according to Section 7 of this user instruction manual. Inspect all other equipment per the manufacturer's instructions. Remove from service any component that fails inspection.

#### 5.2 Planning:

Examine work site for hazards. Inspect pole for integrity, sharp edges, and identify the best climbing path. If sharp edges exist that are unavoidable, use proper edge protection before climbing or before climbing past the hazard. Ensure a proper rescue plan is in place before climbing.

#### 5.3 Sizing and Adjustment:

The FT-Lineman Pro is a fully adjustable body belt with each belt accommodating a range of six D-ring sizes as well as finer adjustments for all body shapes and sizes. See Table 1A in Appendix A for specific sizing information by model number.

The Primary Connecting Links on the body belt free float on a triangular webbing frame. Because the webbing bypasses your hip bones and there are no fixed D-rings pressing into your sides, the sizing of the Primary Connecting Links is unnecessary for the FT-Lineman Pro. Only the secondary dielectric D-rings need to be taken into consideration when sizing.

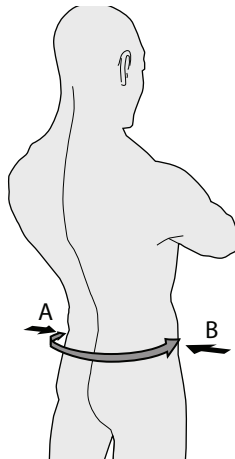
##### 5.3.1 D-ring Size:

Knowing your correct D-ring size is important when selecting and fitting a body belt. Locate the protruding hip bones on your sides and measure the distance from the high point of one hip bone around your back to the other hip bone high point, see Figure 3.

Add four inches to your measurement to get your D-ring Size. For example, the hip to hip measurement is 23 inches, add four inches to get a D-ring size of 27 inches or D27.

NOTE: Of the four added inches, two inches moves the D-rings forward to prevent squeezing and improve comfort, and two inches compensate for the FT-Lineman Pro padding.

**Figure 3: Measuring for D-Ring Size**

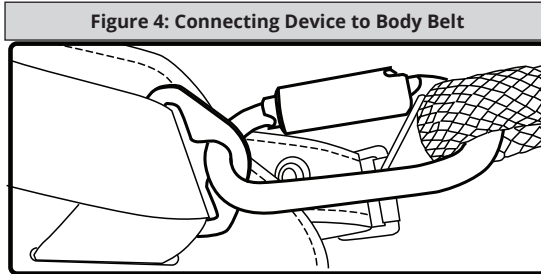


## 5.4 Installation:

### 5.4.1 Connecting the Device to the Body Belt:

Connect the two Body Belt Carabiners to the Primary Connecting Links of the Body Belt as show in Figure 4 below.

**Note:** The triple locking oval Body Belt Carabiners can be connected with the gate openings facing inward or outward. Inward facing gates as shown in Figure 4 makes connecting and disconnecting easier and prevents materials/equipment from interfering with the gates.



## 6.0 Maintenance, Service and Storage

### 6.1 Maintenance:

Ensure the FT-Lineman Pro Body Belt is kept free of excess paint, grease, dirt or other contaminants as this may cause the various mechanisms to malfunction. Clean the exterior of the unit as required with a detergent/water solution. After cleaning, lay out or hang all components to allow the unit to air dry. Lubricate parts as needed.

- DO NOT use heat to dry.
- DO NOT attempt to disassemble the Body Belt in manners other than those described in this manual.

### 6.2 Service:

This unit is not serviceable or repairable.

### 6.3 Storage:

Hang the Body Belt in a cool, dry, clean environment out of direct sunlight. Position the Body Belt so excess water can drain out. Avoid exposure to chemical or caustic vapors. Thoroughly inspect the Body Belt after any period of extended storage.

## 7.0 Inspection

### 7.1 Pre-Use User Inspection:

Perform an inspection before each use in accordance with the recommendations in Table 1 below.

### 7.2 Inspection Frequency:

Inspection is required before each use. Inspection by a Competent Person other than the user is required annually.

### 7.3 Inspection Checklist:

Use Table 1: Guidelines for Body Belt Inspection to inspect the FT-Lineman Pro. Remove from service any belt that fails inspection.

### 7.4 Inspection Results:

If an inspection reveals defects in or damage to the equipment, inadequate maintenance or activated fall indicators, remove the equipment from service. If any component fails inspection, remove from service immediately. Body Belts involved in a fall may be returned to service after passed inspection by a Competent Person other than the user.

### 7.5 Inspection Document:

Record inspection results on the Inspection Record provided below or on a similar document.



<b>Table 1 - Guidelines for Body Belt Inspection</b>		
<b>Inspection Requirement</b>	<b>Pass</b>	<b>Fail</b>
Inspect all components for excessive wear, loose hardware, damage, cracks, corrosion, sharp edges, burrs, or other defects.		
Check the webbing for cuts, fraying, and signs of damage from excessive wear or abrasion. Also, check for excessive dirt, grease, oil, paint, or other surface contamination or discoloring. Inspect stitching for broken, pulled, or cut stitches.		
Check the leather for cuts, cracking, and signs of damage from excessive wear or abrasion. Check for surface contamination, chemical, heat, and moisture damage.		
Dielectric Overmolded D-rings: Inspect for excessive wear, damage, cracks, corrosion, or other defects. Specifically inspect the coating to ensure the D-ring is still insulated in case of an arc flash or electrocution event.		
Adjusters/Buckles: Ensure the adjuster mechanism operates and locks onto the webbing. Make sure the adjuster slides freely when unlocked.		
All labels must be intact and totally legible (see Section 8).		





## 8.0 Labels

The following labels must be present and legible.

 	<b>MEDIUM</b>
Style#: 8050M	
Size (Taille): Medium (Moyen)	
Date of Mfg (Date de Fab): JAN 2024	
Capacity (Capacité): 425 lbs (192.8kg) Max.	
Material (Matériel): 8oz Top Grain Leather	
Complies (Conforme): CSA Z259.1-05 (R2020) Type 1	
Serial #: 7335142      ASTM F887-20 Type B	

**WARNING:** Not to be used for fall arresting. Inspect this product before each use. Annual inspection by a Competent Person is required. Remove the product from service immediately if it has failed inspection. See the user instruction manual for complete inspection procedures.

**AVERTISSEMENT:** Ne pas utiliser comme protection contre les chutes. Inspecter ce produit avant chaque utilisation. Une inspection annuelle par une personne compétente est requise. Mettre immédiatement le produit hors service s'il a échoué à l'inspection. Voir le manuel d'instructions de l'utilisateur pour l'intégralité des procédures d'inspection

<p>- USER MUST INSPECT BEFORE EACH USE (L'UTILISATEUR DOIT INSPECTER AVANT CHAQUE UTILISATION) COMPETENT PERSON TO INSPECT AT LEAST ONCE EVERY YEAR (PERSONNE COMPÉTENTE A INSPECTER AU MOINS UNE FOIS PAR ANNEE) MARK OR PUNCH ON DATE GRID: A) INITIAL IN-SERVICE DATE B) DATE OF PASSED INSPECTION IF UNIT FAILS INSPECTION, REMOVE FROM SERVICE</p>	<b>Initials:</b>						
		<b>Date:</b>					

## 9.0 Definitions

The following are general definitions of fall protection terms as defined by ANSI Z359.0-2012.

**Anchorage:** A secure connecting point or a terminating component of a fall protection system or rescue system capable of safely supporting the impact forces applied by a fall protection system or anchorage subsystem.

**Anchorage Connector:** A component or subsystem that functions as an interface between the anchorage and a fall protection, work positioning, rope access or rescue system for the purpose of coupling the system to the anchorage.

**Arrest Distance:** The total vertical distance required to arrest a fall. The arrest distance includes the deceleration distance and activation distance.

**Authorized Person:** A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.

**Available Clearance:** The distance from a reference point, such as the working platform, to the nearest obstruction that an authorized person might contact during a fall which, if struck, could cause injury.

**Capacity:** The maximum weight that a component, system or subsystem is designed to hold.

**Certification:** The act of attesting in writing that the criteria established by these standards or some other designated standard have been met.

**Certified Anchorage:** An anchorage for fall arrest, positioning, restraint or rescue systems that a qualified person certifies to be capable of supporting the potential fall forces that could be encountered during a fall.

**Clearance:** The distance from a specified reference point, such as the working platform or anchorage of a fall arrest system, to the lower level that a worker might encounter during a fall.

**Clearance Requirement:** The distance below an authorized person that must remain clear of obstructions in order to ensure that the authorized person does not make contact with any objects that would cause injury in the event of a fall.

**Competent Person:** An individual designated by the employer to be responsible for the immediate supervision, implementation and monitoring of the employer's managed fall protection program who, through training and knowledge, is capable of identifying, evaluating and addressing existing and potential fall hazards, and who has the employer's authority to take prompt corrective action with regard to such hazards.

**Component:** An element or integral assembly of interconnected elements intended to perform one function in the system.

**Connecting Subsystem:** An assembly, including the necessary connectors, comprised of all components, subsystems, or both, between the anchorage or anchorage connector and the harness attachment point.

**Connector:** A component or element that is used to couple parts of the system together.

**Deceleration Distance:** The vertical distance between the user's fall arrest attachment at the onset of fall arrest forces during a fall, and after the fall arrest attachment comes to a complete stop.

**Energy (Shock) Absorber:** A component whose primary function is to dissipate energy and limit deceleration forces which the system imposes on the body during fall arrest.

**Fall Arrest:** The action or event of stopping a free fall or the instant where the downward free fall has been stopped.

**Fall Hazard:** Any location where a person is exposed to a potential free fall.

**Free Fall:** The act of falling before a fall protection system begins to apply forces to arrest the fall.

**Free Fall Distance:** The vertical distance traveled during a fall, measured from the onset of a fall from a walking working surface to the point at which the fall protection system begins to arrest the fall.

**Lanyard:** A component consisting of a flexible rope, wire rope or strap, which typically has a connector at each end for connecting to the body support and to a fall arrester, energy absorber, anchorage connector or anchorage.

**Positioning:** The act of supporting the body with a positioning system for the purpose of working with hands free.

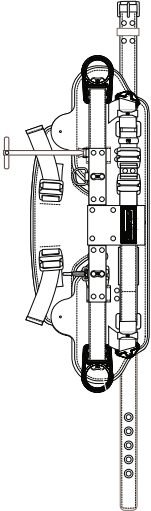
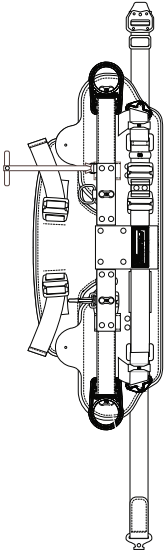
**Positioning Lanyard:** A lanyard used to transfer forces from a body support to an anchorage or anchorage connector in a positioning system.

**Qualified Person:** A person with a recognized degree or professional certificate and with extensive knowledge, training and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating and specifying fall protection and rescue systems.

**Snaphook:** A connector comprised of a hook-shaped body with a normally closed gate or similar arrangement that may be opened to permit the hook to receive an object and, when released, automatically closes to retain the object.

**Swing Fall:** A pendulum-like motion that occurs during and/or after a vertical fall. A swing fall results when an authorized person begins a fall from a position that is located horizontally away from a fixed anchorage.

**Table 1A: Specifications for Falltech FT-Lineman Pro Body Belt**

Model #		"Dee" Size Range	Materials and Specifications	Capacity and Standards	Product Image
<b>Tongue Buckle Versions</b>	8050S	D18 to D23 33" Pad Fits waist size up to 50"	Seat: Genuine Leather	Single User Capacity: 425 lbs max. (191 kg max.)  CSA Z259.1-05(R2020) Type 1	
	8050M	D21 to D26 36" Pad Fits waist size up to 53"	Webbing: Polyester 5,000 lbs (22.2 kN) Min.  Adjusters: Plated Alloy Steel 3,375 lbs (15 kN) Min.		
	8050L	D24 to D29 39" Pad Fits waist size up to 56"	Primary Connecting Links: Plated Alloy Steel 5,000 lbs (22.2 kN) Min.  Dielectric Overmolded D-rings: 5,000 lbs (22.2 kN) Min.		
	8050XL	D27 to D32 42" Pad Fits waist size up to 59"	Tongue Buckle: 3,375 lbs (15 kN) Min.		
<b>Quick Connect Versions</b>	8050QCS	D18 to D23 33" Pad Fits waist size up to 50"	Seat: Genuine Leather	ASTM F887-20 Type B	
	8050QCM	D21 to D26 36" Pad Fits waist size up to 53"	Webbing: Polyester 5,000 lbs (22.2 kN) Min.  Adjusters: Plated Alloy Steel 3,375 lbs (15 kN) Min.	OSHA 1926.502 OSHA 1910.268 OSHA 1926.954	
	8050QCL	D24 to D29 39" Pad Fits waist size up to 56"	Primary Connecting Links: Plated Alloy Steel 5,000 lbs (22.2 kN) Min.  Dielectric Overmolded D-rings: 5,000 lbs (22.2 kN) Min.		
	8050QCXL	D27 to D32 42" Pad Fits waist size up to 59"	Quick Connect Buckle: 3,375 lbs (15 kN) Min.		