

## Construction Industry Applications

# BRIDGE WORK

### Fall protection challenges

- When constructing a new bridge, no overhead anchor points are available for the crew to connect a lanyard or self retracting lifeline. The anchorage must be provided through the installation of a horizontal system or fall protection equipment must be specially designed to use the beam itself as an anchorage.
- Most bridge work requires a great deal of horizontal mobility to enable workers to move along the structure and to do decking work in between. If the worker is connected to one fixed point, mobility is limited.
- Workers must move along narrow walks. The proper horizontal installation will provide handholds to enhance safety.
- Some horizontal systems are designed to be connected to steel I-beams. Concrete bridge work requires a horizontal system that clamps around rebar or is permanently secured into the concrete itself.



## A Anchorage

I-beam

Is the construction on steel I-beams or concrete?

Does the work require horizontal mobility or is it fixed connection work?

Concrete

For horizontal mobility on a steel I-beam bridge:

#### SecuraSpan® Portable Horizontal Lifeline System

The lightweight and economical SecuraSpan® systems are designed for single or multiple spans and can accommodate many beam sizes.

**7400160 (Pg 45)**

#### Glyder2™ Sliding Beam Anchor

For complete horizontal mobility, the Glyder2™ effortlessly slides across the beam following you as you work.

**2104700 (Pg 35)**

For fixed connector work on a steel I-beam bridge:

#### Fixed Beam Anchor

Installs in seconds to the beam structure, with final tightening using a built-in adjustment handle. Attach it to the beam structure in any orientation or direction for added versatility. **2108406 (Pg 35)**

For horizontal mobility on a concrete bridge:

#### Iron Wing™ Concrete Horizontal Lifeline

The Concrete Horizontal Lifeline System allows complete freedom of movement and protection for two workers per span and up to up to 6 workers per system. Connects to rebar for use on concrete. **7003560 (Pg 46)**

#### SecuraSpan® Concrete Pour-in-Place Horizontal Lifeline

60' (18m) system includes two stanchions, cable assembly and Zorbit™ energy absorber. Stanchions are mounted into sleeves that are poured into place during column construction.

**7400260 (Pg 45)**



# B Body Support

What level of quality and durability do you require in a full body harness?

High Performance

For ultimate comfort, performance and durability

**ExoFit™ XP Construction Vest Style Harness**

Removable and washable shoulder, back and leg padding with breathable 3-D mesh lining makes this harness the ultimate in comfort and safety. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Stand-Up back D-ring with impact indicator enables connections to be made without straining. Features back & side D-rings, sewn in hip pad, tongue buckle belt, quick connect buckles. **1110152 (1110152C in Canada) Pg 23**

**ExoFit™ Construction Vest Style Harness**

ExoFit™ incorporates built-in shoulder, back and leg padding with a breathable lining that draws moisture away from the body keeping the worker dry and comfortable. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Features back and side D-rings, sewn-in hip pad, tongue buckle belt, quick connect buckles. **1108502 (1108502C in Canada) Pg 23**

Utility

For reliable, workhorse performance:

**Delta™ II Construction Vest Style Harness**

Unique Delta pad design provides comfort and holds the shape of the harness for fast no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back & side D-rings, sewn-in hip pad, tongue buckle belt, tongue buckle leg straps. **1101655 (1101655C in Canada) Pg 24**

Fundamental

For compliance and value:

**PRO™ Construction Style Harness**

For economical reliability, PRO™ harnesses provide fundamental features in a comfortable fit. Built-in impact indicators and lanyard keepers in one harness model aid in maintaining compliance. Features back & side D-rings, hip pad, tongue buckle belt & leg straps. **1191209 (1191209C in Canada) Pg 59**



Adjust-A-Net™ Personnel/Debris Net System

**Netting for new bridges:**

In new bridge construction nets are required for the safety of the workers and to keep debris out of the water or off railroad tracks or roadways below. Nets for new bridges are usually hung underneath the bridge on cables. In addition to the nets underneath, federal and state regulations require that nets extend beyond the edge of the work area. This is done with cantilevered arms that extend from the bridge to support a cable that runs parallel to the bridge at least eight feet out from each side.

**Bridge redecking operations:**

It may not be necessary to use outriggers as long as the railings are left intact. However debris nets should be installed to prevent debris from being kicked, thrown or blown over the side. Also personnel nets with debris liners should be hung underneath the deck to prevent personnel and debris from falling onto traffic or structures below.

**Adjust-A-Net™** is a one-of-a-kind patented personnel net system that is specially designed to be easily adjustable, thereby fitting any and all workspaces where personal fall protection or debris capturing is required. **(Pg 50)**

# C Connectors

Does the worker require more than 6' of mobility?

More than 6' mobility

**Ultra-Lok® Self Retracting Lifeline**

Stainless steel working components, 11' (3.3m) nylon web with reserve lifeline, self-locking swivel hook, swiveling anchorage loop and impact indicator. **3103108 (3103108C in Canada) Pg 40**  
*Variation: For hot work such as welding, cable connectors are preferred to web*

**Talon® Self Retracting Lifeline**

Compact and lightweight design features 8' (2.4m) nylon webbing lifeline. The brake system incorporates all metal components for durability. A unique quick-connect handle for direct attachment to the anchorage or harness sets this unit apart. It also includes an impact indicator for added safety. **3101001 (3101001C in Canada) Pg 41**

Does the worker require less than 6' of mobility?

Less than 6' mobility required

**ShockWave2™ Shock Absorbing Lanyard**

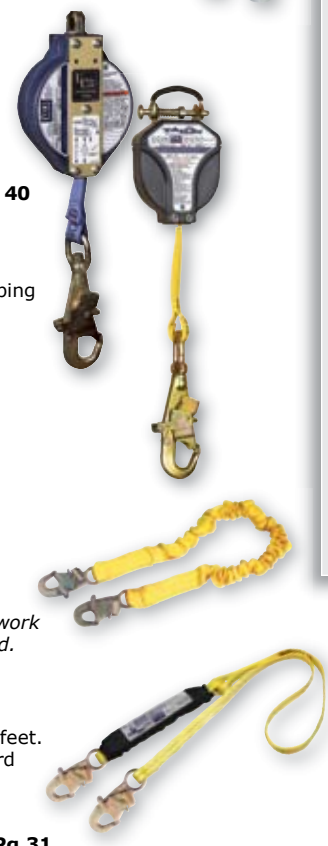
ShockWave2™ shock absorbing lanyards are stretchable for complete freedom of movement. They expand to 6' (1.8m) & contract to 4-1/2' (1.4m) in reaction to your movements, reducing trip hazards. The ShockWave2™ incorporates a unique inner core that immediately begins to extend and absorb energy during a fall. **1244306 (1244306C in Canada) Pg 30**  
*Variation: For hot work such as welding, cable or Kevlar® web connectors are preferred.*

Will the worker be tying off at their feet?

Tying off at the feet

**Force2™ Shock Absorbing Lanyard**

The Force2™ shock absorbing lanyard is used when there is no overhead anchorage, and your only option is to tie off at your feet. Because this creates a much greater free fall distance, standard shock absorbers will bottom out, putting dangerous forces on your body. The Force2™ shock absorbing lanyards allow a 12' (3.7m) free fall and still keep forces below OSHA's limits when tying off at your feet. **1245006 (Not CSA approved) Pg 31**



Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.

## Construction Industry Applications

# COMMERCIAL ROOFING

### Fall protection challenges

- When working on a roof, nothing is overhead but birds, and they don't make very good fall protection anchorages! Establishing safe anchorages without damaging the roof itself is essential for safe commercial roofing work.
- Two kinds of fall protection are specified for commercial roofing. If the workers are exposed to a fall, they should be using properly rated personal fall arrest equipment. When working at the safer center of a flat surface roof, passive restraint equipment should be used to ensure that a worker does not inadvertently move too close to the edge.
- For larger jobs and when workers are going to be working within 6' (1.8m) of the perimeter, a horizontal lifeline installation will provide mobility and enhance productivity.
- Fall protection installations may be temporary to last until the end of the job, or permanent providing added safety and productivity for personnel doing future repair and maintenance.



## A Anchorage

Horizontal

Does the work require horizontal mobility or is it fixed work?

Does the building owner want a permanent horizontal installation?

Fixed

For permanent installation:

#### evolution™ Horizontal Lifeline System

This is a permanent low tension, multi-span lifeline that will allow up to 5 users to traverse from one extremity to another in a "hands-free" environment. Specially designed computer program simulates the necessary clearances and possible heights of fall.

**(Pg 43 and Photo Above)**

For temporary installation:

#### Sayflite™ Horizontal Lifeline Systems

Lightweight and easy to install, they are extremely portable with kernmantle rope assembly and tensioning device.

**7600506 (Pg 47)**

#### Sayflite™ Cable Horizontal Lifeline Systems

For use where welding, sparks or harsh environment are present or minimal clearance exists.

**7602060 (Pg 47)**

For permanent installation:

#### Permanent Roof Top Anchor

Permanent roof anchor post that installs to corrugated steel or wood sheathing structures. **2100075 (Pg 36)**

For temporary installation:

#### Swiveling Roof Anchor\*

Reusable, removable roof anchor that swivels 360° can be mounted to corrugated metal or wood sheathing structures. **2105683 (Pg 36)**

#### Standing Seam Roof Anchor\*

360° swivel. No special tools required for installation. Portable and reusable on slightly sloped or flat standing seam roofs. Telescoping adjustment legs. **2190001 (Pg 36)**

\*SRL sold separately



## B Body Support

What level of quality and durability do you require in a full body harness?

High Performance

For ultimate comfort, performance and durability

### ExoFit™ XP Vest Style Harness

Removable shoulder, back and leg padding with breathable 3-D mesh lining makes this harness the ultimate in comfort and safety. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back D-ring and quick connect buckles.

**1110102 (1110102C in Canada) Pg 23**

### ExoFit™ Vest Style Harness

ExoFit™ incorporates built-in shoulder, back and leg padding with a breathable lining that draws moisture away from the body keeping the worker dry and comfortable. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Features back D-ring and quick connect buckles.

**1107977 (1107977C in Canada) Pg 23**

For reliable, workhorse performance:

### Delta™ II Vest Style Harness

Unique Delta™ pad design provides comfort and holds the shape of the harness for fast no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back D-ring, tongue buckle leg straps.

**1102000 (1102000C in Canada) Pg 24**

For compliance and value:

### PRO™ Vest Style Harness

For economical reliability, PRO™ harnesses provide fundamental features in a comfortable fit. Built-in impact indicators and lanyard keepers in one harness model aid in maintaining compliance. Features back D-ring, pass thru buckle leg straps. **1191201 (1191201C in Canada) Pg 59**



### Portable Guard Rail™ System

OSHA and ANSI permit the use of free standing guard rails to keep workers away from the edge of a flat surface. The DBI-SALA free standing Portable Guard Rail™ meets OSHA and ANSI requirements and requires no surface attachment. Versatile and affordable, the rails are available in lengths of 6', 8' & 10' (1.8m, 2.4m & 3m).

**7900000 Series (Pg 45)**

Utility

Fundamental

## C Connectors

How much mobility does the worker require?

What kind of anchorage will the worker be connecting to?

Does the worker require fall arrest or positioning?

Less than 6'

Anchoring to Evolution™ Horizontal System:

### EZ Stop® III Shock Absorbing Lanyard

Tubular web jacket and polyester core for durability and longevity. Easy to use self-locking snap hooks at both ends. Soft cover shock absorber.

**1244006 (Not available in Canada) Pg 29**

### PRO™ Shock Absorbing Lanyard

Pack style shock absorbing lanyard with 1" (25mm) webbing and easy to use snap hooks for economical performance.

**AE542AW1 (AE542CW1-6 in Canada) Pg 61**

Anchoring to Sayflite™ System or fixed anchor:

### Ultra-Lok® Self Retracting Lifeline

Stainless steel with reserve lifeline, self-locking swivel hook, swiveling anchorage loop and impact indicator. **3504450 (3504450C in Canada) Pg 40**

For connection to horizontal lifelines or when a shorter, lighter SRL is needed, we offer an 11' (3.3m) web Ultra-Lok®. **3103108 (3103108C in Canada) Pg 40**

Positioning application only:

### DBI-SALA Positioning Lanyard

Used to maintain a working position at height or restrict movement to avoid a hazardous position.

**1231106 (1201106C in Canada) Pg 51**



Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.

## Construction Industry Applications

# RESIDENTIAL ROOFING

### Fall protection challenges

- Residential roofing is particularly precarious due to the sloped work surface. Proper connection to a secure anchorage is essential for safety.
- Productivity is a major concern in the competitive world of residential roofing. This means that equipment must be easy to use, anchorages must be easy to place, or workers may be tempted to risk injury and do without.
- Anchorages must not only be easy to place for productivity, they must also be placed without damage to the roof structure, which is generally made of more fragile material than a commercial roof.
- Fall clearance on many areas of a residential roof may not be sufficient for fall arrest with a standard 6' (1.8m) lanyard, i.e. the worker may hit the ground before the arrest. This means that shorter rope grabs or self retracting lifelines that can stop a fall within 2' (0.6m) are often better choices for this application.



## A Anchorage

Temporary

Do you want temporary or permanent anchorage?

For temporary anchorage, do you want disposable or reusable?

Permanent

For disposable:

#### Roof Anchor

Disposable roof anchor nails to sheathing and rafter. Once job is completed, remove or knock down the anchor and shingle over. Packs of 12. **2103680 (Pg 62)**

For reusable:

#### Swiveling Roof Anchor\*

Removable, reusable roof anchor that swivels 360° can be mounted to corrugated metal or wood sheathing structures. **2105683 (Pg 36)**

#### Removable/Reusable Roof Anchor

1/4" (6mm) thick steel roof anchor, complete with zinc plated forged alloy steel O-ring. Nail or bolt into the sheathing and joist, rafter, etc. Designed to be removable, it may be used again after an inspection. **2103673 (Pg 36)**

Permanent anchorage (stays on the roof):

#### Permanent Roof Anchor

Easily clamps on the roof for permanent placement. Flashing and roof cap prevents leakage. **2103670 (Pg 36)**

#### Permanent Roof Anchor

Permanent roof anchor is shingled-over leaving only the D-ring exposed. Provides a fall protection anchor point during initial construction, as well as for the future homeowner for general roof maintenance. **2103678 (2103678C in Canada) Pg 62**

\*SRL sold separately



## B Body Support

What level of quality and durability do you require in a full body harness?

High Performance

For ultimate comfort, performance and durability  
**Delta™ II Vest Style Harness**  
 Unique Delta™ pad design provides comfort and holds the shape of the harness for fast no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back D-ring, tongue buckle leg straps. **1102000 (1102000C in Canada)** with 9501207 Delta™ Comfort Pad **Pg 24**

Utility

For reliable, workhorse performance:  
**PRO™ Vest Style Harness**  
 For economical reliability, PRO™ harnesses provide fundamental features in a comfortable fit. Built-in impact indicators and lanyard keepers in one harness model aid in maintaining compliance. Features back D-ring, pass thru buckle leg straps. **1191201 (1191201C in Canada)** **Pg 59**

Fundamental

For compliance at the lowest possible price:  
**FIRST™ Full Body Harness**  
 With back D-ring, pass thru buckle leg straps and 5-point adjustment for economical performance. **AB17530 (AB17530C in Canada)** **Pg 60**



**Compliance-in-a-Can™**  
 Compliance-in-a-Can™ delivers a fundamental fall protection system complete with anchorage, body harness and connector with performance, safety and exceptional value! A variety of Compliance in a Can™ kits are available for different applications. The standard residential roofing kit includes a full body harness with five adjustable points for better fit, a combination 5/8" (16mm) rope grab with attached 2' (0.6m) shock absorber, a 50' 5/8" (15m) blend rope lifeline with attached snap hook, and a reusable roof anchor. **AA7041A (COMPKITS2 in Canada)** **Pg 60**

Also available with an even more economical 3-point adjustable harness. **AA7040A (Not available in Canada)** **Pg 60**

## C Connectors

How much mobility does the worker require?

More Mobility

For more mobility on the roof, fewer reconnects to anchorage point:  
**JRG™ 30' (9m) Steel Cable Self Retracting Lifeline**  
 The JRG™ line provides an economical self retracting lifeline without compromising performance or safety. Lightweight with 3/16" (5mm) galvanized cable and zinc coated internal components. Begins fall arrest within 2' (0.6m). **AD212AG (AD212CS in Canada)** **Pg 63**

Less Mobility

More economical than SRL, less mobility, reconnect more frequently:  
**Rope Adjuster Lanyard**  
 Rope adjuster with an attached 3' (0.9m) shock absorbing lanyard is designed to be a static rope grab that is the connecting lanyard between your harness and the lifeline. The worker can slide the device along the lifeline until he or she has reached their work position, then lock into place. **1224005 (Not available in Canada)** **Pg 37**

**Lifeline & Counterweight**  
 5/8" (16mm) polyester or polyester/polypropylene blend rope lifeline with a self-locking snap hook. Counterweight keeps the lifeline taut to optimize performance of the rope grab system. **1203000 (1203000C in Canada)** **Pg 37**



Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.

## Construction Industry Applications

# STEEL ERECTION

### Fall protection challenges

- Steel erection work usually involves building a grid sideways or upward which means mobility is essential, and there is often no overhead anchorage point to connect to.
- Working with steel is rugged work and requires tough, durable equipment.
- Descending to ground level to pick up necessary equipment is not practical, so often workers may have up to 20 lbs. (9kg) of tools in their harness toolbelts and be carrying heavy bolt bags or other tools.
- For added protection while welding, workers should have hot work kits with Kevlar® equipment.
- A reinforced seat on ironworker harnesses helps equipment last longer when sliding on beams.
- For this kind of all-day-long, demanding work, fall protection equipment should be comfortable and not binding.



## A Anchorage

Horizontal

Does the work require horizontal mobility or is it fixed connection work?

Fixed

For horizontal mobility in steel erection:

#### SecuraSpan® Portable Horizontal Lifeline

The lightweight and economical SecuraSpan® systems are designed for single or multiple spans and can accommodate many beam sizes. **7400160 (Pg 45)**

#### Glyder2™ Sliding Beam Anchor

For complete horizontal mobility, the Glyder2™ effortlessly slides across the beam following you as you work. **2104700 (Pg 35)**

#### Sayflite™ Cable Horizontal Lifeline Systems

Durable and lightweight horizontal system that utilizes easy to adjust wedge grip termination for easy installation. **7602060 (Pg 47)**

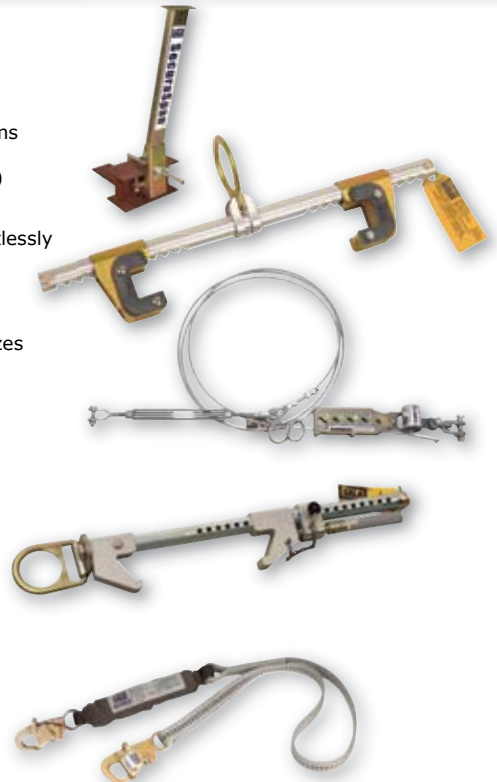
For fixed connector work in steel erection:

#### Fixed Beam Anchor

Installs in seconds to the beam structure, with final tightening using a built-in adjustment handle. Attach it to the beam structure in any orientation or direction for added versatility. **2108406 (Pg 35)**

#### WrapBax™2 Tie-Back Shock Absorbing Lanyard

The WrapBax™2 is specifically designed for tie-back use—eliminates the need for a separate anchorage connector, reduces inventory and cost, simplifies inspections and worker training and improves compliance. **1241906 (1221906C in Canada) Pg 30**



## B Body Support

Regular

Will the worker be performing regular duties or welding?

Hot Work

Durable, reinforced ironworker harnesses:

### ExoFit™ Iron Worker Harness

Constructed from high performance materials, ExoFit™ is the most comfortable harness on the market. ExoFit™ incorporates a breathable lining that immediately draws moisture away from the body keeping the worker dry and comfortable. Reinforced seat prevents wear when sliding along beams.

**1100530 (1100530C in Canada) Pg 23**

### Delta™ II Iron Worker Harness

With the addition of a body belt and pad with support straps and side D-rings, this harness is ideal for general construction and iron worker applications where fall protection and positioning is needed. It provides added versatility for carrying tools and pouches. Reinforced seat prevents wear when sliding along beams. **1106450 (1106450C in Canada) Pg 24**

Welding harnesses for hot work:

### ExoFit™ XP Construction Style Nomex®/Kevlar® Harness

Maximum security, comfort and performance. Nomex®/Kevlar® web, Nomex®/Kevlar® back, shoulder, leg padding, hip pad with Kevlar® belt and side D-rings, PVC coated back D-ring, quick connect buckle legs.

**1111300 (Not CSA approved) Pg 23**

### Delta™ II Nomex®/Kevlar® Harness

This lightweight and easy to don harness is constructed with flame-resistant Nomex®/Kevlar® web with PVC coated hardware for the ultimate protection from the heat. **1105475 (1105475C in Canada) Pg 24**



## C Connectors

What will the worker be connecting to?

Lifeline

Beam

For connection to a horizontal lifeline system:

### ShockWave2™ Shock Absorbing Lanyard

ShockWave2™ shock absorbing lanyards are stretchable for complete freedom of movement. They expand to 6' (1.8m) and contract to 4-1/2' (1.4m) in reaction to your movements, reducing trip hazards. 100% tie-off twin leg version to remain connected at all times. **1244412 (Not available in Canada) Pg 30**

### EZ Stop® II Shock Absorbing Lanyard—Cable

7/32" (0.2mm) vinyl covered cable for use in harsh environments and the ultimate durability and longevity.

**1240706 (1220706C in Canada) Pg 29**

### Ultra-Lok® Self Retracting Lifeline

Device features a swiveling anchor loop, corrosion resistance stainless steel working components and a 30' (9m) galvanized cable lifeline. For added safety, it includes a swiveling hook with impact indicator and a reserve lifeline.

**3504430 (3504430C in Canada) Pg 40** - also available in 20' (6m), 50' (15m) and 85' (26m) lengths.

### Talon® Self Retracting Lifeline

Compact, lightweight design, 8' (2.4m) with nylon webbing, quick-connect handle, impact indicator and self-locking swivel hook. **3101001(3101001C in Canada) Pg 41**

To tie off to the beam itself:

### WrapBax™ 2 Tie-Back Shock Absorbing Lanyard

The WrapBax™ 2 is specifically designed for tie-back use—eliminates the need for a separate anchorage connector, reduces inventory and cost, simplifies inspections and worker training and improves compliance.

**1241906 (1221906C in Canada) Pg 30**



Will the worker be tying off at the feet?



### Force2™ Shock Absorbing Lanyard

The Force2™ shock absorbing lanyard is used when there is no overhead anchorage and your only option is to tie off at your feet. Because this creates a much greater free fall distance, standard shock absorbers will bottom out, putting dangerous forces on your body. The Force2™ shock absorbing lanyards allow a 12' (3.7m) free fall and still keep forces below OSHA's limit when tying off at your feet.

**1245006 (1225006 in Canada) (Not CSA approved) Pg 31**



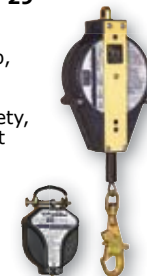
Will the worker be welding or working around sparks?



### EZ Stop® II Shock Absorbing Lanyard—Kevlar®

EZ Stop® II lanyards in Kevlar® webbing are tough. They feature flame-resistant Kevlar® webbing with a 800°F (426°C) char temperature. If you are welding or in a high temperature environment, you want the protection of Kevlar®.

**1240558 (1220558C in Canada) Pg 29**



Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.



## Construction Industry Applications

# CONCRETE AND LEADING EDGE WORK

### Fall protection challenges

- Concrete construction in high rise buildings, parking ramps or similar structures is dusty, rugged work that requires tough, durable fall protection equipment.
- Fall protection equipment needs may change depending on whether the worker is building a new structure without a platform beneath or working on an existing structure.
- Comfort and mobility are important considerations for this type of strenuous labor.
- Passive fall protection in the form of perimeter netting is essential for new construction to protect workers and the public below.



## A Anchorage

New

Is the work on new construction or an existing structure?

Existing

For new construction:

#### Concrete Pour-in-Place SecuraSpan® Lifeline

60' (18m) system includes two stanchions, cable assembly and Zorbit™ energy absorber. Stanchions are mounted into sleeves that are poured into place during column construction.

**7400260 (Pg 45)**

#### Iron Wing™ Concrete Horizontal Lifeline

The Concrete Horizontal Lifeline System allows complete freedom of movement and protection for two workers per span and up to up to 6 workers per system. Connects to rebar for use on concrete. **7003560 (Pg 46)**

#### Leading Edge Concrete Anchor\*

The first fall protection system developed for personnel who perform work on pre-cast concrete. Compact and lightweight design makes installation, use and removal quick and easy.

**2105500 (Pg 35)**

#### Concrete Anchor Strap

Disposable anchor strap is designed to provide a temporary anchorage on concrete forms. Loop on end of anchor slips over rebar, concrete is then poured on top of loop and wear pad. Once concrete sets, a safe 5,000 lb. (22kN) fall arrest anchorage point exists. When no longer needed, cut strap and discard.

**2100050 (Pg 35)**

Working on existing structure:

#### Concrete D-Ring Anchor

This simple, versatile and safe concrete anchor solutions can be used for temporary or permanent applications by drilling a hole and screwing into place. Reusable D-ring assembly. Just install a new bolt, and it's ready for use again. **2104560 (Pg 35)**

#### Sayflite™ Cable Horizontal Lifeline Systems

Durable and lightweight horizontal system that utilizes easy to adjust wedge grip termination for easy installation. **7602060 (Pg 47)**

#### Concrete Anchor Strap

(see above) **2100050 (Pg 35)**

#### Door Jamb Anchor

This lightweight and non-penetrating anchor only weighs 14 lbs. (6.4kg). Its adjustable design allows it to be installed in seconds between door or window openings.

**2100080 (Pg 34)**



\*SRL sold separately

## B Body Support

What level of quality and durability do you require in a full body harness?

### High Performance

For ultimate comfort, performance and durability:

**ExoFit™ XP Positioning Harness**  
Removable shoulder, back and leg padding with breathable 3-D mesh lining makes this harness the ultimate in comfort and safety. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back & side D-rings and quick connect buckles. **1110227 (1110227C in Canada) Pg 23**

**ExoFit™ Positioning Harness**  
ExoFit™ incorporates built-in shoulder, back and leg padding with a breathable lining that draws moisture away from the body keeping the worker dry and comfortable. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Features back and side D-rings and quick connect buckles. **1108577 (1108577C in Canada) Pg 23**

For reliable, workhorse performance:

**Delta™ II Positioning Harness**  
Unique Delta™ pad design provides comfort and holds the shape of the harness for fast no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back & side D-rings, tongue buckle leg straps. **1102008 (1102008C in Canada) Pg 25**

For compliance at the lowest possible price:

**PRO™ Positioning Harness**  
For economical reliability, PRO™ harnesses provide fundamental features in a comfortable fit. Built-in impact indicators and lanyard keepers in one harness model aid in maintaining compliance. Features back & side D-rings, pass thru buckle leg straps. **1191205 (1191205C in Canada) Pg 59**



### Perimeter Nets

Fall protection systems are classified as Active, which require positive action from a worker, or Passive, which protect without worker action. One of the most important types of Passive protection is netting for personnel or debris.

Debris nets are designed to catch lightweight construction debris, tools, building materials, etc., that can be dropped, kicked, pushed or blown from a high place. They protect workers, property and the general public in the area below. Debris nets can be used alone when there is no chance of a person falling into them.

The DBI-SALA perimeter net debris system is a convenient, economical way to ensure protection, confidence and productivity at your concrete building site. This system is the first lightweight system for rigging nets around the perimeter of new concrete buildings. Unlike old perimeter systems, the netting is purchased in convenient 25' (7.5m) units and installed with sturdy hardware that is half the weight of old style nets. The system allows single floor attachment for closer protection at the pour level. **4100006 (Pg 51)**

## C Connectors

What will the worker be connecting to?

### Horizontal Lifeline

For connection to a horizontal lifeline:

**EZ Stop® II Shock Absorbing Lanyard**  
Pack style shock absorbing lanyard with 1" (25mm) webbing with DBI-SALA patented snap hooks. **1240006 (1220006C in Canada) Pg 29**

**Ultra-Lok® Self Retracting Lifeline**  
Stainless steel working components, 30' (9m) galvanized wire with reserve lifeline, self-locking swivel hook, swiveling anchorage loop and impact indicator. **3504430 (3504430C in Canada) Pg 40**

For connection to a fixed point anchor:

**ShockWave2™ Shock Absorbing Lanyard**  
ShockWave2™ shock absorbing lanyards are stretchable for complete freedom of movement. They expand to 6' (1.8m) and contract to 4-1/2' (1.4m) in reaction to your movements, reducing trip hazards. The ShockWave2™ incorporates a unique inner core that immediately begins to extend and absorb energy during a fall. **1244306 (1224306C in Canada) Pg 30**  
*Variation: For hot work such as welding, cable or Kevlar® web connectors are preferred.*

**Leading Edge Ultra-Lok® Self Retracting Lifeline**  
Ultra-Lok® SRL's come with a durable glass-filled polyurethane housing, and this model has a large 7/32" (5.6mm) wire rope lifeline and external energy absorber for added protection. **3504500 (3504500C in Canada) Pg 40**



### Fixed Point

Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.

## Construction Industry Applications

# CONCRETE WALL FORM OR REBAR

### Fall protection challenges

- Whether stripping panels down or putting them up, wall form work is a demanding task that requires the worker to stay in precarious positions for long periods.
- Rebar work requires standing on the bar, hanging off the structure, with difficult footing. Generally the worker needs both hands free to tie the rebar.
- Typically wall form and rebar work require work positioning equipment. According to OSHA, back-up fall protection must be in place when higher than 24' (7m).
- Both wall form and rebar work are monotonous, repetitive and fatiguing and require fall protection equipment that is comfortable enough for sustained activity with pads, waist belts and seat supports.



## A Anchorage

In wall form and rebar work, the anchorage is typically the wall form or rebar itself. With wall form, the connector needs a hook with a point that will fit the form. Different manufacturers require different size hooks. Talk to your consultant to be sure which hook is appropriate for the material being used.



## B Body Support

What level of quality and durability do you require in a full body harness?

High Performance

For ultimate comfort, performance and durability:

### ExoFit™ XP Construction Style Harness

Removable shoulder, back and leg padding with breathable and washable 3-D mesh lining makes this harness the ultimate in comfort and safety. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Stand-up back D-ring with impact indicator enables connections to be made without straining. Features back and side D-rings, sewn-in hip pad, belt and quick connect buckles. **1110152 (1110152C in Canada) Pg 23**

### ExoFit™ Construction Style Harness

ExoFit™ incorporates a breathable lining that immediately draws moisture away from the body keeping the worker dry and comfortable. The padding is constructed in the shape of an "X" that wraps around you for no-tangle donning. Features back and side D-rings, sewn in hip pad, belt and quick connect buckles. **1108500 (1108500C in Canada) Pg 23**

Utility

For reliable, workhorse performance:

### Delta™ II Standard Vest Style Harness

Unique Delta™ pad design provides comfort and holds the shape of the harness for fast no-tangle donning. Stand-Up back D-ring enables connections to be made without straining. Features back and side D-rings, sewn-in hip pad, belt, and quick connect buckle leg straps. **1110577 (1110577C in Canada) Pg 25**

Fundamental

For compliance at the lowest possible price:

### PRO™ with Comfort Padding Construction Harness

For economical reliability, PRO™ harnesses provide fundamental features in a comfortable fit. Built-in impact indicators and lanyard keepers in one harness model aid in maintaining compliance. Back, shoulder and leg padding add comfort for wearing all day. Features back & side D-rings, hip pad, tongue buckle belt and quick connect buckle leg. **1191270 (1191270C in Canada) Pg 59**



## C Connectors

Is this wall form work or rebar?

Wall Form

For wall form work:

### ShockWave2™ Shock Absorbing Lanyard

ShockWave2™ shock absorbing lanyards are stretchable for complete freedom of movement. They expand to 6' (1.8m) and contract to 4-1/2' (1.4m) in reaction to your movements, reducing trip hazards. 100% tie-off twin leg version to remain connected at all times. Large rebar hooks for connection to rebar. **1244412 (Not available in Canada) Pg 30**

### Ultra-Lok® Self Retracting Lifeline

Device features a swiveling anchor loop, corrosion resistant stainless steel working components and a 20' (6m) nylon webbing lifeline. For added safety, it includes a self-locking hook, impact indicator and a reserve lifeline. **3103207 (3103207C in Canada) Pg 40** - also available in 11' (3.3m) length.

### Wall-Form Assembly

Fits most wedge bolt slots or holes on wall-forms, 16" (40cm) in length. **5904350 (Not available in Canada) Pg 31**

For rebar work:

### Chain Rebar Assembly

The Chain Rebar assemblies are designed for versatility and are available in many variations with unique hooks to provide safe and compatible connection to many types of structures. Use these while performing such tasks as rebar tying or construction of wall forms. Like all positioning and restraint lanyards, they should only be used in applications that limit the free fall to 2' (0.6m) or less. With large rebar hook and swivel. **5920050 (Not available in Canada) Pg 31**

Rebar



Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.

# Construction Industry Applications

# SCAFFOLDING

## Fall protection challenges

- Improperly installed scaffolding is one of the most frequently cited OSHA violations on construction sites. Proper installation of scaffolding is essential if the worker is going to tie off to the structure for fall protection. Many scaffolding manufacturers will not recommend using scaffolding as the sole anchor point. However with new construction, there sometimes is no available anchor point other than the scaffolding.
- If the scaffolding is a hanging platform used for applications such as window washing, OSHA specifies that the worker must be hooked to the building independently of the scaffolding.
- Scaffold railings can serve as passive fall protection. If the scaffold has a 42" (106cm) top rail, a 21" (53cm) mid rail and a toe rail, personal fall protection equipment is not required by OSHA.



## DBI-SALA products recommended to tie off to scaffolding:

### ShockWave2™ Shock Absorbing Lanyard

ShockWave2™ shock absorbing lanyards are stretchable for complete freedom of movement. They expand to 6' (1.8m) and contract to 4-1/2' (1.4m) in reaction to your movements, reducing trip hazards. 100% tie-off twin leg version to remain connected at all times. Large Aluminum rebar hooks for connection.

**1244409 (Not available in Canada) Pg 30**



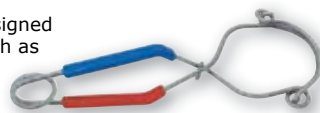
### Scaffold Choker Anchor

Our scaffold choker combines ease of use, light weight and high strength (5,000 lb. (22kN) Min. tensile strength) forming a versatile anchorage connector. It's designed specifically to provide an anchor point for your personal fall protection system on scaffolding or other similar structures such as piping. **1201390 (Pg 34)**



### Handgrip

Our handgrip is a versatile anchor that is designed for scaffolding or other similar structures such as piping. **AJ301A (Pg 62)**



### Talon® Twin-Leg Self Retracting Lifeline

Provides 100% tie-off with two independent 6' (1.8m) web lifelines. Offers added mobility and safety when moving along a structure. A unique quick-connect handle, Delta™ Comfort Pad and two Lanyard Keepers for direct attachment to the harness sets this unit apart. Complete with an impact indicator and multiple hook options. **3102000 (Pg 41)**





### Aerial Lift

A personal fall arrest system is required when using an aerial lift to ensure protection in case the worker is propelled out of the lift. A welded ring built into the lift usually provides the anchorage for a shock absorbing lanyard such as the EZ Stop® Retrax™. **1241460 (1221460C in Canada) Pg 29**



Provides an anchor point on the boom of a lift when one isn't provided inside the bucket. **1001250**



### Confined Space

DBI-SALA offers the most technologically advanced confined space rescue and retrieval systems in the industry. Whether raising, lowering or supporting personnel or materials, our confined space rescue and retrieval systems are designed for versatility and ease of use.

▶ For more details consult the **Confined Space** section on pages 52-57 of this catalog.

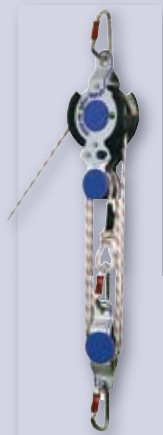
### Vertical and Sloped Applications

DBI-SALA offers a variety of solutions for safe climbing and working with inclined structures. The Lad-Saf® Flexible Cable Ladder Safety System provides security when climbing fixed ladders on poles, towers, tanks, etc. The economical, easy to use systems are available for straight or curved ladders and for connection to wood, concrete or steel structures. **6116540 (Pg 37)**



### Rescue After a Fall

DBI-SALA offers a number of rescue or positioning solutions for workers to quickly and efficiently raise and lower themselves or someone else.



The **Rollgliss® System** is a versatile and efficient state-of-the-art modular ascending and descending rope rescue system. It takes just a moment to change the hauling ratio, giving you more time to save lives! **8902004 (Pg 57)**

▶ For more information on **Rescue After a Fall**, see pages 52-57 of this catalog.

*Recommendations in this section are for general application guidance. Product choices may vary depending on specific performance requirements. Please see the catalog product pages or consult your Capital Safety representative for more detail.*

The **Suspension Trauma Safety Straps** allows a suspended worker to stand up in their harness to relieve pressure until they can be rescued. **9501403 Pg 22 (9501403C) in Canada**

