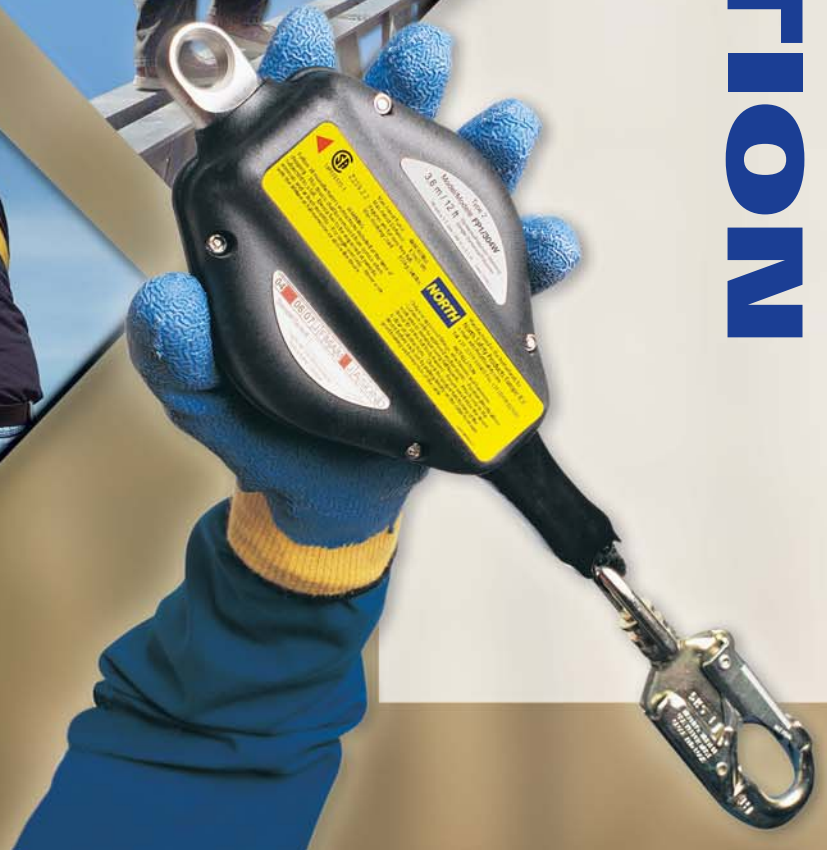


NORTH

FALL PROTECTION



HEAD PROTECTION



EYE & FACE PROTECTION



HEARING PROTECTION



RESPIRATORY PROTECTION



WELDING PRODUCTS



FALL PROTECTION



DISASTER PREPAREDNESS



FIRST AID PRODUCTS



PROTECTIVE CLOTHING



HAND PROTECTION



PROTECTIVE FOOTWEAR



TRAFFIC SAFETY PRODUCTS



ELECTRICAL SAFETY PRODUCTS



SIGNS AND LOCKOUTS



CONSUMER PRODUCTS



NORTH

Safety Products

North Safety Products is the most diversified manufacturer of Safety and Personal Protective Equipment (PPE) in the world, with fifteen complete product lines, manufactured in ISO 9000 certified plants and employing over 3,000 people throughout the world.

North works closely with distributors and end users alike through innovative product design, quality manufacturing, solid marketing, training and support to our customers. Our goal is to enhance worker safety, improve productivity, and create confidence on the job and in the market place.

FALL PROTECTION

North fall protection products are designed with the user in mind. Our goal is to provide high quality easy-to-use fall protection so that your employees are encouraged to wear the products we manufacture for their protection. Everything from easy to read, comprehensive instructions to products that are continuously tested during the manufacturing process are made with safety, comfort and user in mind. Our range of products covers the complete scope of fall protection and includes the added value of consulting engineers to help solve those tough, non-traditional applications. North is dedicated to increasing compliance and worker safety in the fall protection arena through quality enhancement or manufacturing innovation and the overall promotion of safety in the workplace.

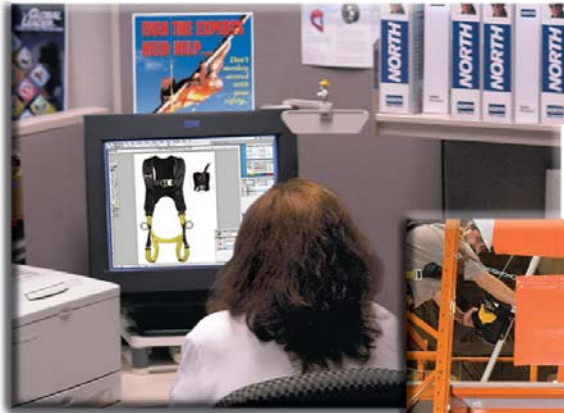
Affiliated Companies

SALISBURY
Setting industry standards since 1855.

TOTAL FIRE GROUP™
ADVANCED PERSONAL PROTECTION

NORTH

Research and Development



North continues to evolve its manufacturing and design processes to use the latest in computer aided design technologies. Continued emphasis on customer input as well as customer safety and comfort drive the new product development process. In house engineering and testing capabilities ensure that proven, tested products reach the marketplace.

Manufacturing/ 9001:2000 ISO Certified

Today's fall protection manufacturing is a far cry from similar processes from as little as ten years ago. North is proud of longstanding, experienced employees who care about their work and the safety of others. Attitude is not the only thing that makes a difference. From computerized sewing machines to the latest C.N.C technology, you can be sure that you are using the highest quality fall protection equipment available.

Quality and Standards Testing

We don't just make it, we make sure it works. North tests its Fall Protection products against all applicable standards to ensure your safety. We use CSA International, a world renowned testing laboratory, to verify our testing results. We continuously batch test to be sure that everything we build consistently meets or exceeds world standards.

NORTH Safety Products



Fall Protection

Training

We develop it, manufacture it, distribute it and also help you learn how to use our products. North's comprehensive training program provides on-site or classroom courses to help demystify fall protection equipment use. Rely on our trained staff to assist you developing a program that is right for your needs.



Fall Protection Solutions

We've been in the business for over 30 years with some of the best safety professionals in the industry. What's does that mean to you?

- Solution #1 - **Selection:** One of the widest fall protection offerings available
- Solution #2 - **Trust:** Trained, knowledgeable people you can trust
- Solution #3 - **Untried Application:** We provide services and expertise to help you in non-traditional situations
- Solution #4 - **Innovation:** New ideas mean new products ending in new answers to old problems



Training & Services

Fall Protection confidence comes from experience and knowledge. North Fall Protection Training provides both. Experienced trainers, many who actively use fall protection gear regularly, can train your personnel to a level of comfort where they feel safe in any hazardous environment. We can help your people do the following:

- Look for and recognize fall hazards
- Choose the right equipment and action to reduce or eliminate the risk posed by the fall hazard
- Execute the required inspections on the equipment that they are using
- Become familiar with the proper work habits associated with working near a fall hazard

NORTH CAN TRAIN YOU IN A NUMBER OF DIFFERENT WAYS

- Take part in a program at one of North's training facilities located in Canada and Europe
- Have North come to your site to do application specific training. This is ideal if your location is new to fall protection or has a specialized application
- Set up a classroom program off site near to your location to accommodate your personnel



OUR CERTIFICATE COURSES COVER THE FOLLOWING TOPICS:

Advanced Fall Protection Training - FPC0301

Fall Protection Training for the End User, 8 hour course which includes theory and practical hands-on components that will cover:

- Statistics
- Why Fall Protection
- Employer & Employee Responsibilities
- Fall Prevention vs. Fall Arrest
- Hazard Assessment
- Housekeeping & Ladders
- Video - Fall Protection

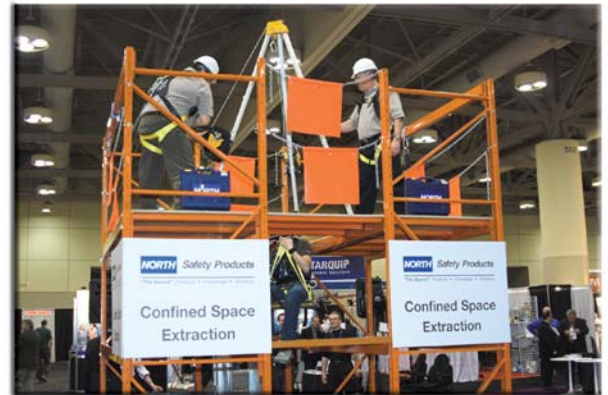


- CSA & ANSI Standards
- Test
- Fall Protection System Components
- Equipment Selection
- Anchor Points
- Equipment Inspection
- Hands on proper Harness Fit
- Controlled Suspension
- Specialty Systems
- Rescue

Train the Trainer - FPC0302



Fall Protection Train the Trainer is a 2 1/2 day course, which includes theory and practical hands-on components. Please call for complete package details 1-866-272-2733 ext. 314



TRAINING MATERIALS

North can also provide you with a DVD training session for your use as a refresher or introduction to product specific tasks. We understand that you cannot always have trainers with you but we can give you up to date visual training aids to keep your personnel current (available in english only).

Covering the following topics:

1. Fall Protection Systems – a systematic approach to fall protection
2. Choosing a Harness – select the right harness for the job
3. Choosing a Connecting Link – choosing the equipment between you and the anchor point
4. Retractable Devices – general information on retracting devices
5. Horizontal Lifeline Systems – an introduction to horizontal use and selection
6. Anchorage Connectors and Anchors – guide to selection and use
7. Confined Space Retrieval Systems – guide to selection and use

Written aids

- Fall Protection Reference Guide – deals with current practices and terminology in fall applications

Application

Selection Guide

MAINTENANCE



Harnesses	Page#
FP81F/1DBA	8
FP700/1D	15
FPD698/1DGP	62
Connecting Link	
FP28822/6	23
FP26322/6	25
FP0301	35
FP1/304W	35
Anchorage	
FP6600/7	40
FP05	45
FP6700	57

General maintenance systems are typically a fall arrest system. These systems incorporate a full body harness, fall arrester and either a temporary or permanent anchor.

STEEL ERECTION



Harnesses	Page#
FP81F/1DBA	8
FP759/1DGP	11
FP700/1D	15
FPD698/1DGP	62
Connecting Link	
FP28822/6	23
FP26322/6	25
FP0301	35
FP1/304W	35
Anchorage	
FP6700	57
FP07/60	59
FP1002	61

A steel erection application usually incorporates a horizontal lifeline, and stanchions. The system is usually temporary and can be taken from job site to site.

LADDER CLIMBING



Harnesses	Page#
FP81F/4DLA	9
FP722/6DP	13
Connecting Link	
FP541	31
FP562	31
FP6000/	52
FP571/8	55
Anchorage	
FP16E/SP/25	31
FP16ST/KL25	31

Ladder climbing systems are designed to protect the workers while there are climbing a fixed ladder.

WAREHOUSING



Harnesses	Page#
FP81F/1DBA	8
FP759/1DGP	11
FP700/1ED	15
Connecting Link	
FP28822/6	23
FP0304	35
FP1/304W	35
Anchorage	
FP86	43
FP242/6	45
FP03/6	45

A warehousing system must be flexible enough to allow the worker to travel but at the same time react quickly in the event of a fall. Using a retractable lifeline allows the worker the freedom to move around but in the event of a fall engages and arrest the fall within inches.

CONSTRUCTION



Harnesses	Page#
FP81F/1DBA	8
FP759/1DGP	11
FPD698/1DGP	62
Connecting Link	
FP28822/6	23
FP2562GG/6	25
FP0304	35
Anchorage	
FP242/6	45
FP03/6	45
FP978/L18	67

Construction applications are generally fall arrest. The end user wants a cost effective system that meets all the regulations.

BRIDGE CONSTRUCTION



Harnesses	Page#
FP81F/1DBA	8
FP759/1DGP	11
FP700/1D	15
FPD698/1DGP	62
Connecting Link	
FP28822/6	23
FP26322/6	25
FP0301	35
FP1/304W	35
Anchorage	
FP6700	57
FP07/60	59
FP1002	61

A Bridge construction application usually incorporates a horizontal lifeline, and stanchions. The system is usually temporary and can be taken from job site to site

MUNICIPALITY WORK



Harnesses	Page#
FP81R/6D3A	9
FP759/5DP	11
FP722/6DP	13
Connecting Link	
FP2/315S	37
FP2/415SR	39
FP2/715SR	39
Anchorage	
FP6670/24	38
FP6680/24	38
FP6000/7	40

Municipality work usually involves a confined space system. A tripod or davit system is ideal for extracting workers from a confined space.

WINDOW WASHING



Harnesses	Page#
FP81F/1DBA	8
FP759/1DP	11
FP700/1ED	15
Connecting Link	
FP542	31
FP562	31
FP5/6400K	41
Anchorage	
FP16E/SP100	31
FP16ST/KL100	31
FP8010	41

Window washing systems are suspension systems which are designed to raise or lower the individual to an area. An example of a system would be the Res-Q-man, bosun chair. A secondary fall arrest system must be used which is independent of the raise lower system

ROOF APPLICATIONS



Harnesses	Page#
FP81F/1DBA	8
FP759/1DP	11
FP700/1ED	15
Connecting Link	
FP541	31
FP90/25	47
FPD90/25	65
Anchorage	
FP16E/SP25	31
FP16E/PS25	31
FP90B	47

Roofers kit is designed to prevent the worker from reaching the fall hazard. In the event the worker must be close the edge of the roof, a roofer's kit must be equipped with a full body harness and a fall arrester.

Harness Styles

Selection Guide

RITE-ON™



- Constructed to comfortably conform to the wearer's shape.
- Engineered with a lumbar support to make the donning of the harness a breeze.
- The lumbar support also eliminates tangling of the straps.
- The bayonet style connectors allow users to connect their chest and legs straps in a single action.
- Sub-pelvic strap adds comfort and helps distribute the forces generated in a fall.
- Proven polyester webbing provides added UV protection and chemical resistance.

VEST-STYLE UNIVERSAL



- Proven comfort and mobility
- Adjustable shoulder straps and a chest strap
- Sub-pelvic strap adds comfort and helps distribute the forces generated in a fall.
- Proven polyester webbing provides added UV protection and chemical resistance.

TREND-X™



- Lightweight, slip-on convenience form fitting comfort Trend-X.
- Since there's no chest strap, comfort and mobility are enhanced.
- Sub-pelvic strap to add comfort and help distribute the forces generated in a fall.
- Proven polyester webbing provides added UV protection and chemical resistance.

VEST-STYLE SIZED



- Sized full body harnesses provide the ultimate in comfort and safety.
- Tough nylon webbing and forged hardware means long-term wear.
- The sized harness offering has a harness in the right configuration and size for every application.

DURABILT



- The Durabilt Full-Body Harness meets the needs of workers in a wide variety of industrial and construction environments.
- The webbing is made of strong yet pliable polyester and the hardware is stamped for light weight yet durable.
- The Durabilt series of harnesses meets the needs for the workers that are looking for cost effectiveness.
- These harnesses meet or exceed applicable ANSI and OSHA requirements and are CSA certified.
- Proven polyester webbing provides added UV protection and chemical resistance.

HARNESSES & BELT COMBO'S



- A Harness and belt combo has the benefits of both worlds.
- The fall arrest capability of a full body harnesses
- The lumbar support and tool carrying capabilities of a belt — The combinations of these two items are ideal for the construction industry, work position application or where tool carrying is a must.
- Proven polyester webbing provides added UV protection and chemical resistance.

Anatomy

of a Harness



1. Fall Arrest Attachment Point: D-ring (large or small) or loop between shoulder blades for fall arrest.

2. D-Ring Extender: 18" D-ring or loop extension attached to the back D-ring of the harness. Makes access to D-ring for lanyard attachment easier allowing user to check for 100% snap hook gate closure.

3. Up Arrow Indicator: Arrows indicating the fall arrest attachment point of the harness. Up arrows indicate the proper orientation of the harness.

4. Sub-Pelvic Strap: Webbing strap located just below the buttocks provides comfort in positioning applications and helps distribute forces in event of a fall.

5. Chest Strap: Webbing which connects the two shoulder straps together. Connected with a pass-through buckle to keep user in the harness.

6. Shoulder D-rings: Small D-rings at the top of the shoulder used with a spreader bar or yoke (Y) lanyard for retrieval and rescue in confined space situations.

7. Front D-ring: D-ring or loop at the chest level. Versatile position can be used for descent, ladder climbing and rescue application.

8. Lumbar Support: Soft and firm providing support to lower back in work positioning applications.

9. Body Belt: Integrated body belt. Excellent support for work positioning and for tool storage.

10. Side D-rings: D-rings located at the hip or just above the hip. Side D-rings are used for work positioning or restraint applications.

11. Leg Connectors: Available in both pass-through, bayonet or grommeted versions. Allows the user choice in leg closure suited to the application or worker preference.

Harness Webbing & Classification






TABLE OF COLORS

Harness Series	Webbing Top Bottom		Page #
 <i>Rite-On Series</i>			8 - 9
 <i>FP759 Series</i>			10 - 11

Harness Series	Webbing Top Bottom		Page #
 <i>Vest-Style Sized Series</i>			14 - 15
 <i>Durabilt Series</i>			62

HARNESS APPLICATION CLASSIFICATIONS

Harnesses are available for a variety of applications signified by the diagrams and definitions below

A		FALL ARREST CSA Group A
P		WORK POSITIONING CSA Group P
D		DESCENT CSA Group D
L		LADDER CLIMBING CSA Group L
E		Evacuation / Retrieval CSA Group E

HARNESS & BELT SIZING CHARTS

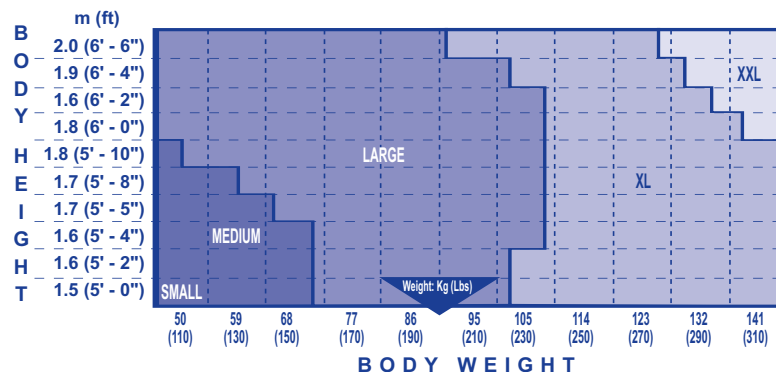
Harness Sizing for Harness and Belt Combos

Waist Measurement		Harness size
Centimeters	Inches	
60 to 81 cm	24" to 32"	XXSMALL
81 to 101 cm	32" to 40"	SMALL
91 to 111 cm	36" to 44"	MEDIUM
101 to 122 cm	40" to 48"	LARGE
111 to 132 cm	44" to 52"	XLARGE
122 to 142 cm	48" to 56"	XXLARGE

Belt Sizing Chart

Size	Centimeters	Inches
XXSMALL (Specify waist size when ordering)		
SMALL	81 to 101 cm	32" to 40"
MEDIUM	91 to 111 cm	36" to 44"
LARGE	101 to 122 cm	40" to 48"
XLARGE	111 to 132 cm	44" to 52"
XXLARGE (Specify waist size when ordering)		

Harness Sizing



Selection Guide

There are many harness types to choose from in the North offering. To simplify selection, we have grouped our most popular offering in a guide based on the harness applications. Included is an application guide to ensure you optimize your selection. Check on appropriate page for additional information and selection.

Model	Webbing	Size	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Shoulder strap adjustment	Leg strap connector	Chest strap connector	Belt	Classification
FALL ARREST											
FP81F/1DBA	POLYESTER	UNIV	LARGE	NO	NO	NO	FRICTION	BAYONET	BAYONET	NO	A
FP81F/1EDBA	POLYESTER	UNIV	LARGE	NO	NO	NO	FRICTION	BAYONET	BAYONET	NO	A
FP700/1D	NYLON	SIZED	SMALL	NO	NO	NO	N/A	QC*	QC*	NO	A
FP700/1ED	NYLON	SIZED	SMALL	NO	NO	NO	N/A	QC*	QC*	NO	A
FP759/1DP	POLYESTER	UNIV	LARGE	NO	NO	NO	FRICTION	QC*	QC*	NO	A
FP759/1EDP	POLYESTER	UNIV	LARGE	NO	NO	NO	FRICTION	QC*	QC*	NO	A
FP759/1DGP	POLYESTER	UNIV	LARGE	NO	NO	NO	FRICTION	TONGUE	QC*	NO	A
FP721/1DP	POLYESTER	UNIV	LARGE	NO	NO	NO	QC*	QC*	N/A	NO	A
WORK POSITIONING											
FP81F/3DDA	POLYESTER	UNIV	LARGE	NO	YES	NO	FRICTION	BAYONET	BAYONET	NO	AP
FP81F/3EDDA	POLYESTER	UNIV	LARGE	NO	YES	NO	FRICTION	BAYONET	BAYONET	NO	AP
FP700/3D	NYLON	SIZED	SMALL	NO	YES	NO	N/A	QC*	QC*	NO	AP
FP700/3ED	NYLON	SIZED	SMALL	NO	YES	NO	N/A	QC*	QC*	NO	AP
CONSTRUCTION											
FP81M/3DDA	POLYESTER	SIZED	LARGE	NO	YES	NO	FRICTION	BAYONET	BAYONET	YES	AP
FP705/5D	NYLON	SIZED	SMALL	STERNAL LOOPS	YES	NO	N/A	QC*	QC*	YES	AP
FP745/5D	NYLON	SIZED	SMALL	STERNAL LOOPS	YES	NO	N/A	QC*	QC*	YES	AP
FP769/3DGP	POLYESTER	SIZED	LARGE	NO	YES	NO	FRICTION	TONGUE	QC*	YES	AP
CONFINED SPACE											
FP81F/3DIA	POLYESTER	UNIV	LARGE	NO	NO	YES	FRICTION	BAYONET	BAYONET	NO	AE
FP81F/3EDIA	POLYESTER	UNIV	LARGE	NO	NO	YES	FRICTION	BAYONET	BAYONET	NO	AE
FP81R/6D3A	POLYESTER	SIZED	LARGE	YES	YES	YES	FRICTION	BAYONET	BAYONET	YES	APLE
FP81R/6ED3A	POLYESTER	SIZED	LARGE	YES	YES	YES	FRICTION	BAYONET	BAYONET	YES	APLE
FP703/3D	NYLON	SIZED	SMALL	NO	NO	YES	N/A	QC*	QC*	NO	AE
FP759/5DP	POLYESTER	UNIV	LARGE	NO	YES	YES	FRICTION	QC*	QC*	NO	APE
FP722/6DP	POLYESTER	UNIV	LARGE	YES	YES	YES	QC*	QC*	N/A	NO	APDLE
LADDER CLIMBING											
FP81F/4DLA	POLYESTER	UNIV	LARGE	YES	YES	NO	FRICTION	BAYONET	BAYONET	NO	APL
FP81F/4EDLA	POLYESTER	UNIV	LARGE	YES	YES	NO	FRICTION	BAYONET	BAYONET	NO	APL
FP722/2DP	POLYESTER	UNIV	LARGE	YES	NO	NO	QC*	QC*	N/A	NO	ADL
FP810/4DLA	POLYESTER	SIZED	LARGE	YES	YES	NO	N/A	QC*	QC*	NO	APDL
FP722/4DP	POLYESTER	UNIV	LARGE	YES	YES	NO	QC*	QC*	N/A	NO	ADPL
SPECIALTY HARNESSSES											
FP80K/3DYQ320	NYLON	XXL	LARGE	NO	YES	NO	QC*	TONGUE	QC*	NO	AP
FP80H/3DDQ8A9	NYLON	XXL	LARGE	NO	YES	NO	QC*	TONGUE	QC*	NO	AP
FP759/1DK	KELVAR/NOMEX	UNV	LARGE	NO	NO	NO	FRICTION	QC*	QC*	NO	A
FP759/1DPHV	POLYESTER HIVZ	UNV	LARGE	NO	NO	NO	FRICTION	QC*	QC*	NO	A
FP818/5DKA	POLYESTER	SIZED	LARGE	1 FRONT/1 CROTCH	YES	NO	N/A	QC*	N/A	YES	ADPL
FP817/6DNA	POLYESTER	SIZED	LARGE	2 STERNAL/1 CROTCH	YES	NO	N/A	QC*	QC*	YES	ADP
FP7003DTV84	NYLON	SIZED	SMALL	NO	YES	NO	N/A	QC*	QC*	NO	AP

Note: QC for Quick Connect

Rite-On Harnesses

The **Donning** of a New Era in Harnesses

The RITE-ON harnesses are designed with two things in mind: Simplicity and Comfort. They are constructed to shape around the user with ease. The harnesses are engineered to make donning a breeze. The comfort pad eliminates tangling of the straps which is common with traditional harnesses. The bayonet style connectors allow users to connect their chest and legs straps in a single action. The RITE-ON harnesses are designed to have workers wear them all day without the need to remove them. This increases Safety and Productivity in the work place.

Features/Benefits

- Integrated back and shoulder pad – Conforms to the wearers shape to provide all-day comfort.
- Fast-action bayonet style connectors – Allows quick and easy donning.
- Extended D-ring option – Makes lanyard connection easier and safer.
- Sweat wicking pad fabric – Keeps wearers comfortable in hot conditions.
- Tangle-free pad design – Harness keeps its shape between use, aiding quick and easy donning.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.
- Universal size with full adjustability – One size fits most.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

RITE-ON™

FALL ARREST

Features/Benefits

- Back D-ring – For fall arrest applications (CSA class A).



FP81F/1DBA



FP81F/1EDBA



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81F/1DBA*	LARGE	NO	NO	NO	NO	FRICTION	BAYONET	BAYONET
FP81F/1EDBA	LARGE	NO	NO	NO	YES	FRICTION	BAYONET	BAYONET

*Harnesses also available in size extra-large (XL).

WORK POSITIONING

Features/Benefits

- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).



FP81F/3DDA



FP81F/3EDDA



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81F/3DDA	LARGE	NO	YES	NO	NO	FRICTION	BAYONET	BAYONET
FP81F/3EDDA	LARGE	NO	YES	NO	YES	FRICTION	BAYONET	BAYONET

LADDER CLIMBING



FP81F/4DLA



FP81F/4EDLA



Features/Benefits

- Back, front and side D-rings – For fall arrest, ladder climbing, descent and work positioning applications (CSA class APL).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81F/4DLA	LARGE	YES	YES	NO	NO	FRICTION	BAYONET	BAYONET
FP81F/4EDLA*	LARGE	YES	YES	NO	YES	FRICTION	BAYONET	BAYONET

CONSTRUCTION



FP81M/3DDA



FP81M/3EDDA



Features/Benefits

- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).
- Integrated lumbar support and tool belt – Provides tool carrying capability and additional comfort for extended use in work positioning applications



Belted

Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81M/3DDA	LARGE	NO	YES	NO	NO	FRICTION	BAYONET	BAYONET
FP81M/3EDDA	LARGE	NO	YES	NO	YES	FRICTION	BAYONET	BAYONET

*Harnesses also available in size extra-large (XL).

CONFINED SPACE



FP81F/3DIA



FP81F/3EDIA



Features/Benefits

- Back and shoulder D-rings – For fall arrest and confined space retrieval (CSA class AE).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81F/3DIA	LARGE	NO	NO	YES	NO	FRICTION	BAYONET	BAYONET
FP81F/3EDIA	LARGE	NO	NO	YES	YES	FRICTION	BAYONET	BAYONET

Features/Benefits

- Back, shoulder, front and side D-rings – For fall arrest, ladder climbing, descent, work positioning and confined space retrieval (CSA class APLE).

- Integrated lumbar support and tool belt – Provides tool carrying capability and additional comfort for extended use in work positioning applications



Belted

Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81R/6D3A	LARGE	YES	YES	YES	NO	FRICTION	BAYONET	BAYONET
FP81R/6ED3A	LARGE	YES	YES	YES	YES	FRICTION	BAYONET	BAYONET

*Harnesses available in size Small (S), universal (U) and extra-large (XL).

ACCESSORIES



FP780L



FP775

Part No	Description	Harness Style	
		Leg Pad	Shoulder Pad
FP780L	Shoulder or leg pad with velcro enclosures	FP700, FP701, FP703, FP705, FP759, FP721, FP722, FPD698, FP81F, FP81M, FP81R	FP700, FP701, FP703, FP705, FP759, FP721, FP722, FPD698
FP775	Gel shoulder pads	N/A	FP700, FP701, FP703, FP705, FP759, FP721, FP722, FPD698

Vest-Style

Universal Harnesses



Proven comfort and mobility comes from years of experience in building lightweight full body harnesses. North builds quality and comfort into its harnesses and the Vest-Style is no different. Adjustable shoulder straps and a chest strap that can be positioned in the optimum location for the user, eliminate the need for stretchable webbing. Proven polyester webbing provides added UV protection and chemical resistance. North offers many D-Ring, leg strap and closure combinations that there is sure to be one that suits every need. All North's harnesses designed for use in North America are made with a sub-pelvic strap to add comfort and help distribute the forces generated in a fall. These harnesses are engineered to meet or exceed applicable ANSI and OSHA requirements and are CSA certified.



FP759/1EDP



FP759/1DGP

FP759/1DP

WORK POSITIONING



FP811/3DDE



FP811/3DDF



CONSTRUCTION



FP769/3DGP



CONFINED SPACE



FP759/5DP



Features/Benefits

- Adjustable leg and shoulder straps and sliding chest strap – Allow wearers to find a safe and comfortable fit.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

FALL ARREST

Features/Benefits

- Back D-ring – For fall arrest applications (CSA class A).
- Extended D-ring option – Makes lanyard connection easier and safer.
- Tongue and buckle leg strap option – Provides faster and easier donning.
- Universal size plus XL – Accommodates a wide range of body types.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP759/1DP	LARGE	NO	NO	NO	NO	FRICTION	QC	QC
FP759/1EDP	LARGE	NO	NO	NO	YES	FRICTION	QC	QC
FP759/1DGP	LARGE	NO	NO	NO	NO	FRICTION	TONGUE	QC

Features/Benefits

- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).
- Tongue and buckle leg strap option – Provides faster and easier donning.
- Universal size plus XL – Accommodates a wide range of body types.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP811/3DDE	LARGE	NO	YES	NO	NO	FRICTION	QC	QC
FP811/3DDF	LARGE	NO	YES	NO	NO	FRICTION	TONGUE	QC

Features/Benefits

- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).
- Integrated lumbar support and tool belt – Provides tool carrying capability and additional comfort for extended use in work positioning applications.
- Tongue and buckle leg strap option – Provides faster and easier donning.
- Sized harness – Available in S, M, L and XL for a “tailored” fit and feel.



Belted

Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP769/3DGP*	LARGE	NO	YES	NO	NO	FRICTION	TONGUE	QC

*Specify belt size when ordering. See page 6 for belt sizing chart.

Features/Benefits

- Back, shoulder, front and side D-rings – For fall arrest, ladder climbing, descent, work positioning and confined space retrieval (CSA class APE).
- Universal size plus XL – Accommodates a wide range of body types.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP759/5DP	LARGE	NO	YES	YES	NO	FRICTION	QC	QC

Trend-X

Cross-Chest Harnesses



Lightweight, slip-on convenience and the added feature of form fitting comfort Trend-X is the ultimate in fit and utility. Since there's no chest strap, comfort and mobility are enhanced while allowing access to pens and tools in breast pockets. Trend-X comes in polyester webbing, universal sizing and is equipped with North's exclusive D-Stop strap in the back to help keep you in the harness in case of a fall. All versions meet or exceed applicable ANSI and OSHA requirements and are CSA certified.



FP721/1DP

Features/Benefits

- Trend-X cross-chest design – Places shoulder straps across the center of the chest for a comfortably natural fit. Allows unhindered access to breast pockets.
- Large back D-ring – For easier lanyard attachment.
- Adjustable leg and shoulder straps – Allow wearers to find a safe and comfortable fit.
- Universal size plus XL – Accommodates a wide range of body types.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

FALL ARREST

Features/Benefits

- Back D-ring – For fall arrest applications (CSA class A).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP721/1DP	LARGE	NO	NO	NO	NO	QC	QC	N/A

LADDER CLIMBING



FP722/2DP

Features/Benefits

- Back and front D-rings – For fall arrest, ladder climbing and descent applications (CSA class ADL).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP722/2DP	LARGE	YES	NO	NO	NO	QC	QC	N/A

WORK POSITIONING / LADDER CLIMBING



FP722/4DP

Features/Benefits

- Back, front and side D-rings – For fall arrest, ladder climbing, descent and work positioning applications (CSA class APDL).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP722/4DP	LARGE	YES	YES	NO	NO	QC	QC	N/A

CONFINED SPACE



FP722/6DP

Features/Benefits

- Back, front, side and shoulder D-rings – For fall arrest, ladder climbing, descent, work positioning and confined space retrieval (CSA class APDLE).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP722/6DP	LARGE	YES	YES	YES	NO	QC	QC	N/A

Vest-Style

Sized Harnesses



Sized full body harnesses provide the ultimate in comfort and safety. North's lightweight harnesses have a proven track record for comfort and durability. Tough nylon webbing and forged hardware means long-term wear and safety. The sized harness offering has a harness in the right configuration and size for every application. North designed this lightweight harness complete with a sub-pelvic strap to help evenly distribute the forces generated in a fall. These harnesses meet or exceed applicable ANSI and OSHA requirements and are CSA certified.



FP700/1D

FALL ARREST



FP700/1ED

Features/Benefits

- Light-weight – Compact fittings and light-weight webbing combine to make this one of the lightest harnesses on the market.
- Sized harness – Available in S, M, L and XL for a “tailored” fit and feel.
- Nylon webbing – Offers a soft feel for improved comfort, as well as superior resistance to abrasion and alkaline chemicals.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

Features/Benefits

- Back D-ring – For fall arrest applications (CSA class A).
- Extended D-ring option – Makes lanyard connection easier and safer.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP700/1D*	SMALL	NO	NO	NO	NO	N/A	QC	QC
FP700/1ED*	SMALL	NO	NO	NO	YES	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

WORK POSITIONING



FP700/3D



FP700/3ED

Features/Benefits

- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).
- Extended D-ring option – Makes lanyard connection easier and safer.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP700/3D*	SMALL	NO	YES	NO	NO	N/A	QC	QC
FP700/3ED*	SMALL	NO	YES	NO	YES	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

CONSTRUCTION



FP705/5D



FP745/5D

Features/Benefits

- Back and side D-rings and twin front sternal loops – Back and side D-rings are for fall arrest and work positioning. Sternal loops are positioned below the chest strap and are for ladder climbing/descent (CSA class AP).
- Integrated lumbar support and tool belt – Provides tool carrying capability and additional comfort for extended use in work positioning applications.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP705/5D*	SMALL	STERNAL LOOPS	YES	NO	NO	N/A	QC	QC
Belted								
FP745/5D*	SMALL	STERNAL LOOPS	YES	NO	NO	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

CONFINED SPACE



FP703/3D

Features/Benefits

- Back and shoulder D-rings – For fall arrest and confined space retrieval (CSA class AE).



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP703/3D*	SMALL	NO	NO	YES	NO	N/A	QC	QC

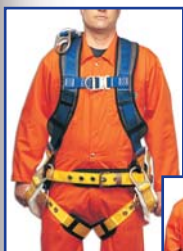
*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

Specialty

Harnesses



DERRICK HARNESS

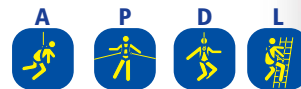


FP81N/5D1T320



Features/Benefits

- Optional twin front D-rings (5D model) - For ladder climbing/descent applications (CSA class APDL).
- Integrated back and shoulder pad – Conforms to the wearers shape to provide all-day comfort.
- Integrated saddle and leg pads – Provide comfort during extended suspension in work positioning applications.
- Fast-action bayonet style connectors – Allow quick and easy donning.
- Tangle-free pad design – Harness keeps its shape between use, aiding quick and easy donning.
- CSA approved and ANSI/OSHA compliant.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP81N/5D1T320	LARGE	YES	YES W/ SADDLE	NO	YES	FRICTION	GROMMET	BAYONET
FP81P/3D2T320	LARGE	YES	YES	NO	YES	FRICTION	GROMMET	BAYONET

Jobs are not created equal. To help you find the right harness for the right application, North has assembled a group of specialty harnesses for extraordinary uses. This group contains harnesses that are resistant to heat, flame and sparks, increase user visibility and have enhanced comfort and mobility. These harnesses are designed to meet or exceed applicable ANSI and OSHA requirements for fall protection and are CSA certified.



FP7003DTV84

HIGH-VISIBILITY VEST HARNESS

Features/Benefits

- Class 2 traffic vest with integral harness – Combines hi-visibility with fall protection in one, easy to wear garment.
- Leg strap pocket – When not in use as a harness, the leg straps can be conveniently tucked into a pocket in the rear of the vest and then quickly released when needed.

- Sized harness – Available in S, M, L and XL for a “tailored” fit and feel.
- CSA approved and ANSI/OSHA compliant.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP7003DTV84* SMALL		NO	YES	NO	NO	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

STAGE RIGGERS



FP818/5DKA



FP817/6DNA



Features/Benefits

- Back, side and lower front D-rings and twin front sternal loops – For fall arrest, work positioning and ladder climbing/descent applications (CSA class APDL).
- Integrated saddle, belt & lumbar support and leg pads – Provide comfort during extended suspension in work positioning applications.

- Black polyester webbing – For low visibility appearance.
- CSA approved and ANSI/OSHA compliant.



FP818/5DKA only

Belted

Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP818/5DKA* LARGE		1-FRONT 1-CROTCH	YES	NO	NO	N/A	QC	N/A
FP817/6DNA* LARGE		2-STERNAL 1-CROTCH	YES	NO	NO	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

LADDER CLIMBING



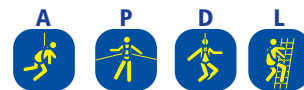
FP810/4DLA



Features/Benefits

- Large Back D-ring and Frontal D for ladder climbing, 2 Side D Ring for work positioning
- Sized vest style

- CSA Approved and ANSI/ OSHA complaint
- CSA class ADPL



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP810/4DLA*	LARGE	YES	YES	NO	NO	N/A	QC	QC

*Harnesses available in size Small (S), medium (M), large (L) and extra-large (XL).

HIGH VIZ & HIGH TEMP



FP759/1DPHV



FP759/1DK



Features/Benefits

- Back D-ring – For fall arrest applications (CSA class A).
- FP759/1DPHV features hi-viz polyester webbing – Provides greater visibility for workers in low light areas such as darkened warehouses and factories.
- FP759/1DK features Kevlar®/Nomex® webbing – The high strength and heat resistant Kevlar core is jacketed in flame resistant Nomex.

- Adjustable leg and shoulder straps and sliding chest strap – Allow wearers to find a safe and comfortable fit.
- Universal size plus XL – Accommodates a wide range of body types.
- CSA approved and ANSI/OSHA compliant.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Buckle	Leg Strap Connector	Chest Strap Connector
FP759/1DPHV	LARGE	NO	NO	NO	NO	FRICTION	QC	QC
FP759/1DK	LARGE	NO	NO	NO	NO	FRICTION	QC	QC

Heavy Duty

Harnesses



Today's North American workers are getting physically bigger and the old ideas of maximum worker weight have become outdated. North Heavy Duty Harnesses are designed to go beyond the performance requirements of North American standards to provide safe and reliable fall protection for workers above 310lbs.

Rated for a full 440lbs, these harnesses meet the needs of the larger worker, or those whose tooling and equipment carrying needs place them over the traditional limits of existing standards.



FP80K/3DYQ320

HEAVY DUTY HARNESS

Features/Benefits

- Rated for 440lbs – Exceeds the requirements of CSA and ANSI to provide reliable fall protection for workers above the CSA/ANSI limit of 310lbs (total weight of person plus tools and equipment).
- Back and side D-rings – For fall arrest and work positioning applications (CSA class AP).
- FP80K/3DYQ320 features an integrated back and shoulder pad – Conforms to the wearers shape to provide all-day comfort.
- Integrated 440lbs rated, Soft-Pak lanyard – Permanently attached lanyard ensures that both lanyard and harness are correctly rated to 440lbs.
- Adjustable lanyard – Integrated lanyard is adjustable from 4ft to 6ft in length (FP80H only).
- Tongue and buckle leg straps – Provide faster and easier donning and adjustment.
- Universal size with full adjustability – One size fits most.



Part No	Back D-ring	Front D-ring	Side D-rings	Shoulder D-rings	Extended D-ring	Shoulder Strap Adjustment	Leg Strap Connector	Chest Strap Connector
FP80K/3DYQ320	LARGE W/ SHOCK ABSORBER	NO	YES	NO	NO	QC	TONGUE	QC

ACCESSORIES FOR FP80K ONLY



FP21122/6



FP21129/6



FP255222/6



FP2552GG/6

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP21122/	NYLON ROPE	RESTRAINT	SNAP HOOK	SNAP HOOK	4,5,6
FP21129/	NYLON ROPE	RESTRAINT	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP255222/	NYLON 1"	Y-LANAYRD RESTRAINT	SNAP HOOK	SNAP HOOK	4,5,6
FP2552GG/	NYLON 1"	Y-LANAYRD RESTRAINT	SNAP HOOK	SCAFFOLD HOOK	4,5,6

Shock Absorber

Selection Guide



Part No	Style	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP28822/	DECELERATOR	NYLON	SINGLE LEG	SNAP HOOK	SNAP HOOK	4,5,6
FP28829/	DECELERATOR	NYLON	SINGLE LEG	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP2882G/	DECELERATOR	NYLON	SINGLE LEG	SNAP HOOK	SCAFFOLD HOOK	4,5,6
FP289222/	DECELERATOR	NYLON	Y-LANYARD	SNAP HOOK	SNAP HOOK (2)	4,5,6
FP289299/	DECELERATOR	NYLON	Y-LANYARD	SNAP HOOK	REBAR/LADDER HOOK (2)	4,5,6
FP2892GG/	DECELERATOR	NYLON	Y-LANYARD	SNAP HOOK	SCAFFOLD HOOK (2)	4,5,6
FP2032S	SOFT PAK	POLYESTER	SOFT PAK ONLY	SNAP HOOK	SMALL D-RING	18"
FP20322	SOFT PAK	POLYESTER	SOFT PAK ONLY	SNAP HOOK	SNAP HOOK	18"
FP26322/	CONTINUOUS SOFT PAK	POLYESTER	1-3/4 SOFT PAK	SNAP HOOK	SNAP HOOK	4,5,6
FP26329/	CONTINUOUS SOFT PAK	POLYESTER	1-3/4 SOFT PAK	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP2632G/	CONTINUOUS SOFT PAK	POLYESTER	1-3/4 SOFT PAK	SNAP HOOK	SCAFFOLD HOOK	4,5,6
FP22322/	SOFT PAK	NYLON	1" WEB	SNAP HOOK	SNAP HOOK	4,5,6
FP22329/	SOFT PAK	NYLON	1" WEB	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP22422/	SOFT PAK	NYLON	1" ADJUSTABLE WEB	SNAP HOOK	SNAP HOOK	6
FP22429/	SOFT PAK	NYLON	1" ADJUSTABLE WEB	SNAP HOOK	REBAR/LADDER HOOK	6
FP27322/	SOFT PAK	PVC CABLE	1/4" PVC	SNAP HOOK	SNAP HOOK	6
FP27329/	SOFT PAK	PVC CABLE	1/4" PVC	SNAP HOOK	REBAR/LADDER HOOK	6
FP27325/	SOFT PAK	PVC CABLE	1/4" PVC	SNAP HOOK	SWIVEL SNAP HOOK	6
FP27K25/	WELDER'S LANYARD SOFT PAK	PVC CABLE	1/4" PVC	SNAP HOOK	SWIVEL SNAP HOOK	6
FP226222/	SOFT PAK	NYLON	Y-LANYARD / 1" WEB	SNAP HOOK	SNAP HOOK (2)	6
FP2562GG/	SOFT PAK	POLYESTER	Y-LANYARD / 1" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	6
FP2AE2GG/	CONTINUOUS SOFT PAK / 10' FREE FALL	POLYESTER	Y-LANYARD / 2" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	6
FP266222/	CONTINUOUS SOFT PAK	POLYESTER	Y-LANYARD / 1-3/4" WEB	SNAP HOOK	SNAP HOOK (2)	4,5,6
FP2662GG/	CONTINUOUS SOFT PAK	POLYESTER	1-3/4" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	4,5,6
FP256200/	SOFT PAK	POLYESTER	1" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	6
FP2HT2Q/	TY-RITE	NYLON	1" HEAVY DUTY WEB	SNAP HOOK	QUAD LOCK CARABINER	ADJUSTABLE 6'
FP2HY2QQ/	TY-RITE	NYLON	Y-LANYARD / 1" HEAVY DUTY WEB	SNAP HOOK (2)	QUAD LOCK CARABINER	ADJUSTABLE 6'

SELECT THE PROPER FALL PROTECTION EQUIPMENT...

SHOCK-ABSORBING LANYARD OR SELF-RETRACTING LIFELINE ?

Always know your fall distance and select proper equipment to meet the fall clearance.

STEP 1

TYPES OF SHOCK ABSORBING LANYARDS



SOFT PAK - CONTINUOUS



DECELERATOR - TUBE LANYARD



TY-RITE™

STEP 2

CHOOSE LANYARD CONFIGURATION



SINGLE LEG



Y-LANYARD

STEP 3

CHOOSE ANCHOR CONNECTOR



SNAP HOOK
3/4" OPENING

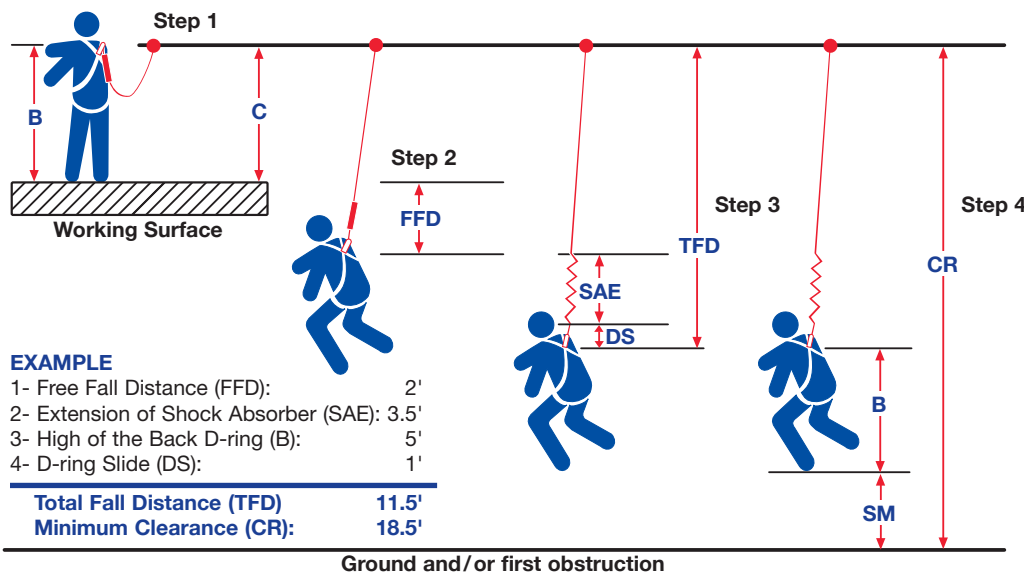


REBAR/LADDER HOOK
1 3/4" OPENING



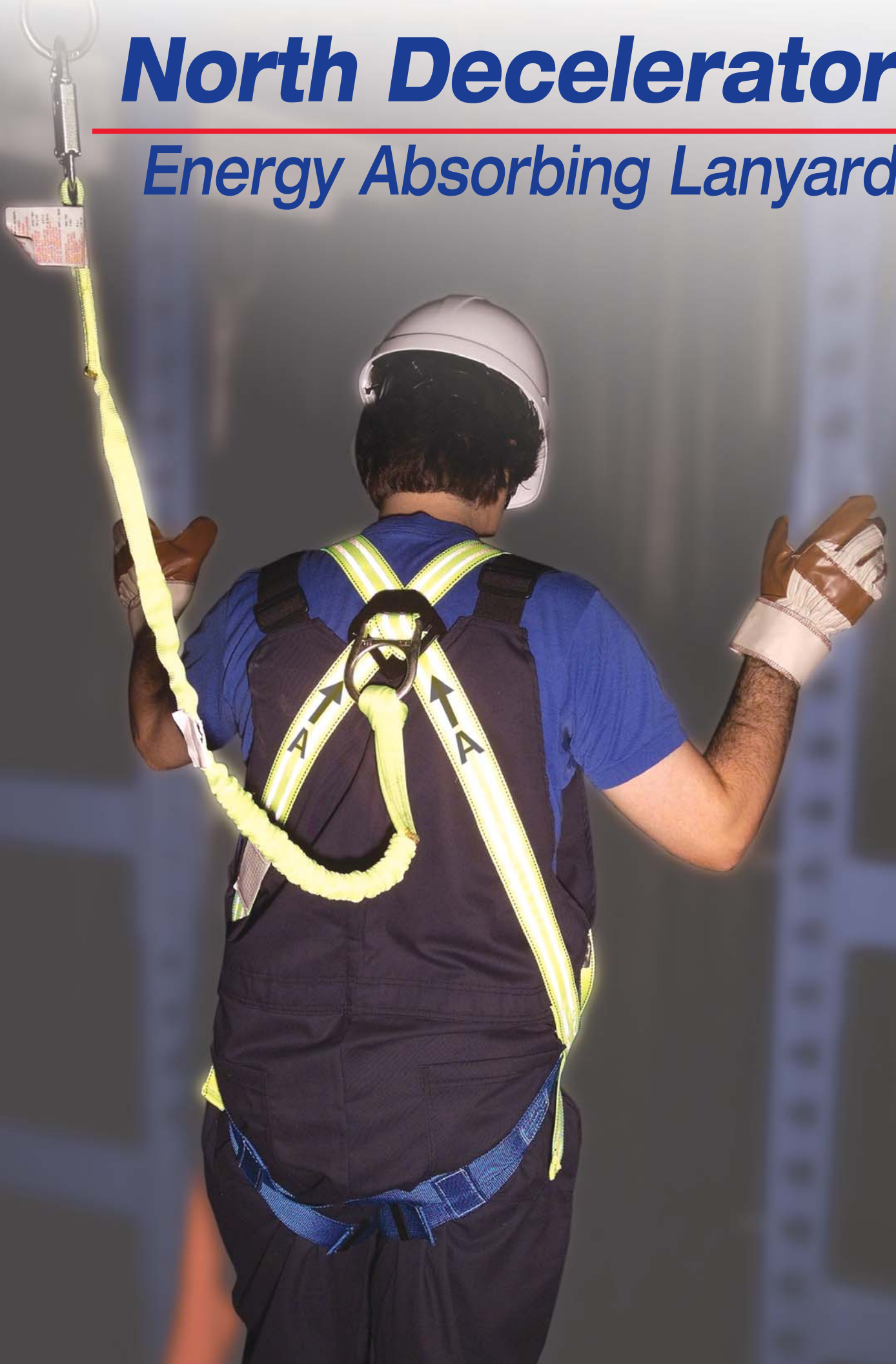
SCAFFOLD HOOK
2 1/2" OPENING

CALCULATING - CLEARANCE REQUIREMENT FOR SHOCK ABSORBING LANYARD



North Decelerator

Energy Absorbing Lanyard





FLAGGING SYSTEM

North's Decelerator is a lightweight energy absorbing lanyard designed to reduce the impact load experienced during a fall. The Decelerator is built with safety and quality in mind with features that can help you work more efficiently and cost effectively.

North's Decelerator meets or exceeds all industry standards for energy absorbing lanyards including those set by ANSI, OSHA and CSA. They are engineered to limit arresting forces to 900lbs. (4kN) or less. They are made with a tough nylon or polyester tube jacket that functions as the back-up lanyard to a shock absorbing inner core material.

Features/Benefits

- Simple design – Limits complexity and keeps down cost.
- Proven performance - Effectively limits maximum arrest force (MAF) to less than 900lbs.
- Flagging system – Even partial deployment causes a flag to become visible, indicating that the lanyard has been subjected to a fall equivalent load and should be withdrawn from service.
- Nylon webbing – Offers superior resistance to abrasion and alkaline chemicals.
- Y-Lanyards available – Provide 100% tie-off.
- Wide range of connectors available – For connection to a variety of different sized anchor points.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

SINGLE LEG



FP28822/

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP28822/	NYLON	SINGLE LEG	SNAP HOOK	SNAP HOOK	4,5,6
FP28829/	NYLON	SINGLE LEG	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP2882G/	NYLON	SINGLE LEG	SNAP HOOK	SCAFFOLD HOOK	4,5,6

Y-LANYARD



FP289222/

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP289222/	NYLON	Y-LANYARD	SNAP HOOK	SNAP HOOK (2)	4,5,6
FP289299/	NYLON	Y-LANYARD	SNAP HOOK	REBAR/LADDER HOOK (2)	4,5,6
FP2892GG/	NYLON	Y-LANYARD	SNAP HOOK	SCAFFOLD HOOK (2)	4,5,6



SNAP HOOK
3/4" OPENING



REBAR/LADDER HOOK
1 3/4" OPENING



SCAFFOLD HOOK
2 1/2" OPENING

Soft Pak

Energy Absorbing Lanyard

Deployed Soft Pak



The North Soft Pak is an energy absorbing component which can be used in a variety of configurations to make a "shock absorbing" lanyard to suit your needs. The controlled tearing action of the Soft Pak web has been proven again and again over years of service to limit the energy of a fall to less than 900lbs. (4kn). Engineered and tested for reliability, the Soft Pak provides peace of mind when selecting a lanyard made of rope, webbing or cable for fall arrest. Soft Pak is engineered and certified to meet or exceed the performance criteria set by ANSI, OSHA and CSA for energy absorbers.

Features/Benefits

- Soft Pak shock absorbing lanyard design – Proven over years of service, the Soft Pak effectively limits maximum arrest force (MAF) to less than 900lbs.
- Easily visible deployment – The slightest deployment of the Soft Pak is clearly visible, aiding equipment inspection and identification of lanyards that have been subjected to a fall equivalent load and should be withdrawn from service.
- Lightweight polyester webbing – Offers superior UV and chemical resistance.
- Y-Lanyards available – Provide 100% tie-off.
- Wide range of connectors available – For connection to a variety of different sized anchor points.
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

SINGLE LEG WITH SOFT PAK



Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP26322/	POLYESTER	1-3/4" SOFT PAK	SNAP HOOK	SNAP HOOK	4,5,6
FP26329/	POLYESTER	1-3/4" SOFT PAK	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP2632G/	POLYESTER	1-3/4" SOFT PAK	SNAP HOOK	SCAFFOLD HOOK	4,5,6
FP22322/	NYLON	1" WEB	SNAP HOOK	SNAP HOOK	4,5,6
FP22329/	NYLON	1" WEB	SNAP HOOK	REBAR/LADDER HOOK	4,5,6
FP22422/	NYLON	1" ADJUSTABLE WEB	SNAP HOOK	SNAP HOOK	6
FP22429/	NYLON	1" ADJUSTABLE WEB	SNAP HOOK	REBAR/LADDER HOOK	6
FP27322/	PVC CABLE	1/4" PVC	SNAP HOOK	SNAP HOOK	6
FP27329/	PVC CABLE	1/4" PVC	SNAP HOOK	REBAR/LADDER HOOK	6
FP27325/	PVC CABLE	1/4" PVC	SNAP HOOK	SWIVEL SNAP HOOK	6
FP27K25/	PVC CABLE	1/4" PVC WELDER'S LANYARD	SNAP HOOK	SWIVEL SNAP HOOK	6

Y-LANYARD WITH SOFT PAK



Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP226222/	NYLON	1" WEB	SNAP HOOK	SNAP HOOK (2)	6
FP226299/	NYLON	1" WEB	SNAP HOOK	REBAR/LADDER HOOK (2)	6
FP2562GG/	POLYESTER	1" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	6
FP2AE2GG/	POLYESTER	1-3/4" WEB (10' FREE FALL)	SNAP HOOK	SCAFFOLD HOOK (2)	6
FP266222/	POLYESTER	1-3/4" WEB	SNAP HOOK	SNAP HOOK (2)	4,5,6
FP2662GG/	POLYESTER	1-3/4" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	4,5,6
FP256200/	POLYESTER	1" WEB	SNAP HOOK	SCAFFOLD HOOK (2)	6

SOFT PAK ONLY



Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP2032S	NYLON	SOFTPAK ONLY	SNAP HOOK	SMALL D-RING	18"
FP20322	NYLON	SOFT PAK ONLY	SNAP HOOK	SNAP HOOK	18"

Ty-Rite

Lanyard

TY-RITE



The Ty-Rite Lanyard is the first lanyard from North Safety Products which is designed to be tied back onto itself. For years the industry has been preaching that tying back your lanyard was dangerous and could cause injury. The reason that this was an unsafe practice is that traditional snap hooks were not designed to withstand the fall forces on the gate of the snap hook. The "New" Ty-Rite Lanyard from North Safety Products is designed with the industries first Quad locking Carabiner rated for tie-back use. The Quad locking feature is designed to ensure that under any situation the Ty-Rite lanyard snap hook would remain safe and closed at any angle. The Ty-Rite lanyard has heavy duty sling webbing with spectra edges for extended wear properties. For added peace of mind, we have designed the webbing with built-in wear indicators to ensure the user can identify when the lanyard must be removed from service.



DEPLOYED SOFT PAK

Features/Benefits

- Quad locking Carabiner that improves user compliance and allows the user to tie back the lanyard in any direction.
- Heavy Duty Webbing with built-in wear indicators for easy inspection offers enhanced abrasion resistance.
- Available in single leg or Y-Lanyard to handle most applications.
- Adjustable to reduces dangerous slack in the system and makes the lanyard more versatile.
- Soft Pak Energy Absorber limits the impact forces in a fall to less than 900lbs (4kN).
- CSA approved and ANSI/OSHA compliant – Suitable for use in all industries throughout North America.

SINGLE LEG



FP2HT2Q/6

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP2HT2Q/	NYLON	1" HEAVY DUTY WEB	SNAP HOOK	QUAD LOCK CARABINER	ADJUSTABLE 3 to 6 FT

Y-LANYARD



FP2HY2QQ/6

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP2HY2QQ/	NYLON	1" HEAVY DUTY WEB	SNAP HOOK (2)	QUAD LOCK CARABINER	ADJUSTABLE 3 to 6 FT

POSITIONING & RESTRAINT ASSEMBLIES



FP21122/6

Part No	Material	Type	Body Connector	Anchorage Connector	Lengths Available
FP21122/	NYLON	5/8" (16 mm) ROPE	SNAP HOOK	SNAP HOOK	6FT
FP22122/	NYLON	1" (25mm) WEB	SNAP HOOK	SNAP HOOK	6FT
FP22222/	NYLON	1" (25 mm) WEB/ADJ.	SNAP HOOK	SNAP HOOK	6FT
FP27122/	PVC COATED	1/4" (6mm) CABLE	SNAP HOOK	SNAP HOOK	6FT
FP9781/1L18	—	STEEL CHAIN REBBAR ASSEMBLIES	SNAP HOOK (2)	SCAFFOLD HOOK	11"
FP9756/11	—	STEEL CHAIN REBBAR ASSEMBLIES	SNAP HOOK (2)	REBAR/LADDER HOOK	11"
FP0590/	NYLON	1-3/4" (45 mm) ADJ. POLE STRAP	SNAP HOOK (2)	SNAP HOOK	6FT

Body Belt



North body belts are comfortable, lightweight and ideally suited for travel restraint and some work positioning applications. They meet or exceed ANSI, OSHA and CSA requirements for body belts. Use body belts only for travel restraint and work positioning where you are protected from threat of a fall. **NEVER use a body belt for fall arrest applications.**

Size	Centimeters	Inches
XXSMALL	(Specify waist size when ordering)	
SMALL	81 to 101 cm	32" to 40"
MEDIUM	91 to 111 cm	36" to 44"
LARGE	101 to 122 cm	40" to 48"
XLARGE	111 to 132 cm	44" to 52"
XXLARGE	(Specify waist size when ordering)	

INDUSTRIAL BODY BELTS



Available
Only
in Canada

North Industrial Body Belts are constructed of 1-3/4" nylon webbing. Their comfort is unsurpassed in the industry. The addition of the 3" lumbar support reduces back strain and enhances comfort in work positioning applications.

Features/Benefits

- Nylon webbing for comfort
- Designed for tool belts, restraint and work positioning
- Comfort pad or lumbar support can be added to reduce pain strain

Part No	Description	Back D-ring	Comfort Pad
FP400/0D	Tool & utility pouch belt	NONE	NO
FP400/1D	Travel restraint belt	ONE	NO
FP400/2D	Positioning belt	TWO	NO
FP404/2D	Positioning belt	TWO	YES

MINER'S BELTS



Available
Only
in Canada

Miner's belts require toughness in addition to comfort and utility. North miner's belts have it all, from 2" (50mm) heavy-duty webbing to reinforced battery straps that significantly reduce the need for strap replacement. Some are equipped with permanently affixed rescue straps. The six configurations from which to choose are all waist sized from 30 to 48 inches.

Features/Benefits

- Designed to withstand the abuse in a harsh environment
- Battery straps and rescue straps are reinforced to ensure long lasting performance
- Sized from 30"-55"

Part No	Description	Back D-ring	Comfort Pad
FP5210/1D	(1) battery strap	ONE	NO
FP5215/1D	(1) battery strap, reinforced	ONE	NO
FP5220/0D	(1) battery strap & (1) rescue strap	NONE	NO
FP5220/1D	(1) battery strap & (1) rescue strap	ONE	NO
FP5225/1D	(1) battery strap & (1) rescue strap, reinforced	ONE	NO
FP5235/1D	(2) battery strap, reinforced	ONE	NO

BODY BELTS ACCESSORIES



Part No	Description	Used On
FP510	Molded "add on" lumbar support for belts	All belts and all universal harnesses
FP515	High end "add on" lumbar support for belts	All belts and all universal harnesses

Rope Grabs and Vertical Lifelines



Rope grab/lifeline combinations still provide some of the most cost-effective solutions for fall protection needs. North offers you the widest assortment of rope implements in the market ranging from automatic rope grabs to rope adjusters. All are constructed from quality, corrosion resistant materials for long service life. Match the device with the lifeline product that most suits your needs. All automatic rope grabs are engineered to meet or exceed applicable ANSI, OSHA and CSA requirements.

AUTOMATIC ROPE GRAB WITH PARK FEATURE



FP561



Features/Benefits

- FP562 Should be used for sternal connection only
- Rope grabs trail user without manipulation
- Bolt-action, quick closure system
- FP560 series rope grab are compatible with 3/4" rope

Part No	Description	Rope Type
FP561	Automatic rope grab with parking feature	16E & 16ST
FP562	FP561 with 6" (150 mm) web lanyard with carabiner	16E & 16ST
FP563	FP561 with 2' (0.6 m) web lanyard with snap hook	16E & 16ST
FP564	FP561 with 2' (0.6 m) Soft Pak energy absorbing lanyard with snap hook	16E & 16ST
FP582	FP561 with 6" (150 mm) soft pak energy absorbing lanyard with snap hook for 1/2" (13 mm) rope	13ST

AUTOMATIC ROPE GRAB



FP542



Features/Benefits

- Rope grab will trail user without manipulation
- Rope grab will stop on a lifeline even when the panic lock is held open

Part No	Description	Rope Type
FP541	Automatic panic lock rope grab	16E & 16ST
FP542	FP541 with 2' (0.6 m) Lanyard energy absorber with snap hook	16E & 16ST
FP543	FP541 with 2' (0.6 m) lanyard	16E & 16ST

MANUAL ROPE ADJUSTERS



FP552

Features/Benefits

- FP550 Series Rope Grabs are not CSA approved for fall arrest. Can be used for travel restraint applications in Canada only
- Rope grab requires manual assistance for travel in at least one direction
- Meets or exceeds ANSI and OSHA requirements

Part No	Description	Rope Type
FP551	Manual rope grab	16E & 16ST
FP552	FP551 with 2' (0.6 m) lanyard energy absorber with snap hook	16E & 16ST

VERTICAL LIFELINES



FP16E/SP/

North provides a wide variety of lifelines to choose from. From economical 3-strand rope to premium, low stretch kernmantle ropes there is a lifeline for every vertical application.

Part No	Description	Composition	Tensile Strength	Floats	Length
FP16E/SP/	5/8" (16 mm) 3-strand	Polyolefin fiber	8,100lbs (3680kgs)/36.00kN	Yes	25,50,100
FP16E/PS/	5/8" (16 mm) 3-strand	Co-polymer blend	10,00lbs (4540kgs)/44.44kN	Yes	25,50,100
FP16ST/KL/	5/8" (16 mm) Kernmantle	Nylon	12,570lbs (5700kgs)/55.87kN	No	25,50,100
FP16ST/KH/	5/8" (16 mm) Kernmantle	Polyester	14,775lbs (6700kgs)/65.58kN	No	25,50,60,100

ROPE ADJUSTERS




FP3571



FP3521

Part No	Description	Rope Type
FP3571	Rope adjuster with eye	16E & 16ST
FP3521	Rope tensioner	16ST

Self-Retracting Lifelines

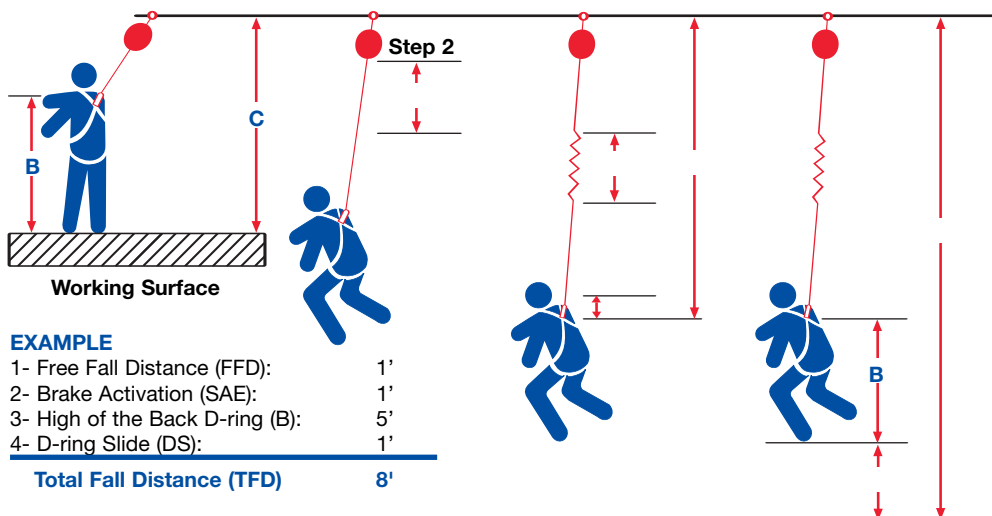
STEP1 Length / Blocks	STEP2 Lifeline Material				STEP3 Carabiner / Hook				
	 2" (50mm) Polyester Webbing	 3/4" (20mm) Dyneema/ Polyester	 3/16" (5mm) Stainless Steel Wire Rope	 3/16" (5mm) Galvanized Wire Rope	 FP86B Captive Eye Carabiner	 FP5386 Rebar/Ladder Hook	 FP6650 Snap Hook	 FP4650 Swivel Snap Hook	 FP4651 Load Indicating Swivel Snap Hook
 0 to 10' (0 to 3m)	YES	NO	NO	NO	YES	YES*	YES	YES	NO
	NO	YES	NO	NO	NO	NO	NO	NO	YES
 10' to 20' (3 to 6m)	NO	YES	NO	NO	NO	NO	NO	NO	YES
	NO	YES	NO	NO	NO	NO	NO	NO	YES
 20' to 50' (6 to 15m)	NO	NO	YES	YES	NO	NO	NO	NO	YES
	NO	NO	YES	YES	NO	NO	NO	NO	YES
 50' to 110' (15 to 33m)	NO	NO	YES	YES	NO	NO	NO	NO	YES
	NO	NO	YES	YES	NO	NO	NO	NO	YES

* Locking Ladder Hook is not recommend to be connected to body support.

Selection Guide

Part No.	Length	CSA Type	Lifeline Material	Body Support Connection
WEB RETRACTING LIFELINE				
FP0301	8' (2.4m)	TYPE 1	2" (50mm) POLYESTER	CARABINER
FP0302	8' (2.4m)	TYPE 1	2" (50mm) POLYESTER	STEEL LADDER HOOK
FP0303	8' (2.4m)	TYPE 1	2" (50mm) POLYESTER	SNAP HOOK
FP0304	8' (2.4m)	TYPE 1	2" (50mm) POLYESTER	SWIVEL SNAP HOOK
FP0304E	8' (2.4m)	TYPE 1	2" (50mm) POLYESTER	SWIVEL SNAP HOOK W/SHOCK ABSORBER
FP0401	5' (1.5m)	TYPE 1	3/4" (20mm) POLYESTER	SNAP HOOK
DURALITE III				
FP1/303W	10' (3m)	TYPE 1	3/4" (20mm) DYNEEMA/POLYESTER WEBBING	SWIVEL LOAD INDICATING SNAP HOOK
FP1/304W	12' (3.4m)	TYPE 2	3/4" (20mm) DYNEEMA/POLYESTER WEBBING	SWIVEL LOAD INDICATING SNAP HOOK
DURALITE II				
FP1/306W	20' (6m)	TYPE 2	3/4" (20mm) DYNEEMA/POLYESTER WEBBING	SWIVEL LOAD INDICATING SNAP HOOK
DURALITE				
FP0406	20' (6m)	TYPE 2	3/4" (20mm) POLYESTER	CARABINER
FP0407	20' (6m)	TYPE 2	3/4" (20mm) POLYESTER	SWIVEL LOAD INDICATING SNAP HOOK
SELF RETRACTING LIFELINE				
FP1/305S	16' (5m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP2/310S	33' (10m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP2/315S	50' (15m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP2/315K	45' (14m)	TYPE 2	1/4" (5mm) DYNEEMA	SWIVEL LOAD INDICATING SNAP HOOK
FP3/320S	65' (20m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP3/325S	82' (25m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP3/333S	110' (33m)	TYPE 2	3/16" (5mm) SS CABLE	SWIVEL LOAD INDICATING SNAP HOOK
FP3/325K	82' (25m)	TYPE 2	1/4" (5mm) DYNEEMA	SWIVEL LOAD INDICATING SNAP HOOK

CALCULATING - CLEARANCE REQUIREMENT FOR RETRACTABLE LIFELINE



Step 1: Always choose an anchorage above the back D-ring when even possible.

Step 2: Calculate the free fall distance (FFD) of the system by:
 $FFD = \text{Length of lanyard (L)} + \text{Height of TL back D-ring (B)} - \text{Height of anchorage (C)}$

Step 3: Calculate total fall distance (TFD)
 $TFD = FFD \text{ (Free fall distance)} + \text{SAE (Brake activation)} + \text{DS (D-ring slide)}$

Step 4: Calculate required minimum clearance (CR)
 $CR = TFD + B + SM$

Web Retracting Lanyards



Self-retracting lifelines (SRL) are one of the most versatile products for fall arrest situations. Whether made with webbing, like the retractable web lanyard, wire rope or synthetic rope, the lanyard retracts into the housing to keep it out of the way. They improve comfort, reduce weight and increase user mobility at or on the way to the work site. They are available in a variety of models and lengths to suit every job-site application. All the SRL's listed on the following pages are engineered to meet or exceed applicable ANSI, OSHA and CSA requirements.

WEB RETRACTING LIFELINE (WRL)

Retractable web lanyards are engineered to provide maximum protection in places where lanyards might get in the way. They will "lock up" in approximately 9" (230mm) thereby limiting the overall exposure to a fall by a considerable margin over a regular lanyard. They are available in various configurations to suit a variety of applications. All are equipped with 2" (50mm) webbing, a tough vinyl cover and mounting carabiner.



FP0304



FP0401



FP1/303W



FP1/304W



FP0407



FP1/306W

Part No	Description	CSA Type	Length
FP0301	Self-retracting lanyard - 2" (50mm) webbing - Carabiner	Fall arrest Type 1	8ft (2.4m)
FP0302	Self-retracting lanyard - 2" (50mm) webbing - Rebar/ladder hook	Fall arrest Type 1	8ft (2.4m)
FP0303	Self-retracting lanyard - 2" (50mm) webbing Snap hook	Fall arrest Type 1	8ft (2.4m)
FP0304	Self-retracting lanyard - 2" (50mm) webbing Swivel snap hook	Fall arrest Type 1	8ft (2.4m)
FP0304E	Self-retracting lanyard - 2" (50mm) webbing Swivel snap hook with shock absorber	Fall arrest Type 1	8ft (2.4m)
FP0401	Self-retracting lanyard - 3/4" (20mm) webbing with Soft Pak energy absorber - Snap hook	Fall arrest Type 1	5ft (1.5m)

DURALITE III

Features/Benefits

- This lightweight unit (weighing 2.4lbs (1.1kg)) is a favorite of workers using a telescopic pole or a first man up system
- One of the few CSA Type 1 units on the market that is serviceable, reducing cost of ownership
- Braking system is far superior to traditional car seat belt system technology. The unit will sense the worker has fallen and lock up only when required. The unit will not lock up when the worker is travelling to or away from the anchor
- Dyneema® is up to 15 times stronger than quality steel and up to 40% stronger than aramid fibers, both on weight for weight basis
- The load indicator built into the snap hook reveals when fall has occurred allowing the worker to quickly see if the unit requires servicing
- Swiveling anchor prevents the webbing from twisting and tangling
- CSA Z259.2 Certified and Exceeds OSHA and ANSI requirements including ANSI Z359.1

Part No	Description	CSA Type	Length
FP1/303W	Self-retracting lanyard - 3/4" (20mm) Dyneema/polyester webbing Composite housing - Swivel load indicating snap hook	Fall arrest Type 1	10ft (3.0m)
FP1/304W	Self-retracting lanyard with shock absorber 3/4" (20mm) Dyneema/polyester webbing - Composite housing Swivel load indicating snap hook	Fall arrest Type 2	12ft (3.4m)

DURALITE AND DURALITE II

DuraLite and Duralite II are the lightest SRL, type 2 series on the market. At 20 feet (6m) in length, it provides a lightweight alternative to SRL's equipped with a heavy metallic housings or internal mechanisms. With a tough polymer housing, 3/4" (20mm) webbing and a variety of connectors. The DuraLite series can handle a vast variety of applications.

Part No	Description	CSA Type	Length
FP1/306W	Self-retracting lifeline - 3/4" (20mm) Dyneema/polyester webbing Composite housing - Swivel load indicating snap hook	Fall arrest Type 2	20ft (6m)
FP0406	Self-retracting lifeline - 3/4" (20mm) webbing with Soft Pak energy absorber - Composite housing - Carabiner	Fall arrest Type 2	20ft (6m)
FP0407	Self-retracting lifeline - 3/4" (20mm) webbing with Soft Pak energy absorber - Composite housing Swivel load indicating snap hook	Fall arrest Type 2	20ft (6m)

Self-Retracting

Lifeline



North's self retracting lifelines (SRL) continue to provide versatile performance for fall arrest. Robust design, a variety of lifeline lengths and corrosion resistant alloy housing means your SRL investment will go a long way. Units can be equipped with stainless steel cables, or non-conductive Dyneema® rope as standard (or with galvanized cables on request.. Note: stainless steel cable is ideal for the food industry and environments involving chemicals. All are equipped with a load indicator that triggers to show the unit has been subjected to a severe force.

North's range is of a modular design. The materials used are characterised by a high corrosion resistance, a high strength and a relatively low weight. The blocks are constructed in a way that they can be disassembled and hence maintained. These features all ensure a wide usability and a long lifetime.

SELF RETRACTING LIFELINE



Features/Benefits

- Lifeline retracts under light tension
- Excellent for ladder climbing to keep the lifeline out of the way
- Multiple use - universal application
- Hands free vertical mobility
- Easy to use and install
- Minimizes fall distance
- Variety of lengths to choose from
- Increased user mobility in work area

Part No	Lifeline Type	Length	Weight
Small housing			
FP1/305S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	16 ft (5 m)	9.5 lbs (4.3 kgs)
Regular housing			
FP2/310S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	33 ft (10 m)	16 lbs (7.3 kgs)
FP2/315S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	50 ft (15 m)	18 lbs (8.2 kgs)
FP2/315K	1/4" (6 mm) Dyneema cable with swivel load indicating snap hook	45 ft (14 m)	16 lbs (7.3 kgs)
Large housing			
FP3/320S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	65 ft (20 m)	29.5 lbs (13.4 kgs)
FP3/325S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	82 ft (25 m)	31 lbs (14 kgs)
FP3/333S	3/16" (5 mm) stainless cable with swivel load indicating snap hook	110 ft (33 m)	33 lbs (15 kgs)
FP3/325K	1/4" (6 mm) Dyneema cable with swivel load indicating snap hook	82 ft (25 m)	31 lbs (14 kgs)

NOTE: For galvanized cable, please call us for special orders.

ACCESSORIES



Part No	Description
FP3TL	Tag line for remote extraction and retraction of the cable
FP86	Drop forged D-shaped carabiner - 3/4" (19 mm) gate opening
FP88	Auto locking carabiner, large gate opening 29/32" (23 mm)

FP88
* Use on FP2 & FP3 series SRL

Bantamlift™

Davit System



ANCHORAGE CONNECTORS & DAVITS



FP6660/00



FP6661



FP6660/02



FP6669/00



FP6669/01



FP6670/24



FP6680/24



FP6671



FP6680/24

FP6670/24

FP6660/00

Bantamlift™ systems are ideal for applications where a temporary anchorage is required. They assemble and disassemble quickly, making them easy to move from one site to another. Bantamlift™ is built tough to provide a safe and secure anchorage for confined space entry, exit, rescue and/or suspension work.

Installation of your Bantamlift™ base requires approval from a professional engineer. Follow the instruction manual to install the Bantamlift™ davit system. For custom applications please contact one of our sales representatives to receive competitive pricing and customized layout.

Features/Benefits

- Components are made of strong aluminum alloy (except for the bases)
- Comply with current OSHA requirements for confined space entry and egress
- Rated for working loads up to 450 lbs (204.5 kg)
- Provide a proof-tested 5,000lbs (2273 kg) anchor (in most configurations) or at least a 2:1 safety factor when used with approved fall arrest devices
- Booms reach up to 48" (122 cm)
- Various masts to meet your requirements

Part No	Description	Applications
FP6660/00	Davit fixed base	General purpose base
FP6661	Ladder davit base	Standard ladder base
FP6660/01	Davit concrete sleeve base core	Flush mount core sleeve
FP6660/02	Davit concrete sleeve w/flange	Flush mount reinforced sleeve for concrete base w/flange
FP6660/04	Davit base concrete with rods	Flush mount reinforced sleeve for concrete
FP6662/00	Davit wall mount base	Wall mount davit base
FP6663/00	Portable davit base (use with 24" Davit System only)	Where temporary anchorage is required
FP6669/00	Davit base cap	Standard cap to cover davit base cavity
FP6669/01	Davit base flush mount tube cap	Flush mount cap to cover davit base cavity
FP6671	Ladder davit fixed 12"	Standard ladder davit one piece
FP6670/24	Davit mast 12" to 24"	Standard davit mast
FP6670/48	Davit mast 26" to 48"	Mast for extended boom
FP6680/24	Davit boom 12" to 24"	Standard boom
FP6680/36	Davit boom 26" to 36"	Extended boom reach 36"
FP6680/48	Davit boom 36" to 48"	Extended boom reach 48"

Applications

- Confined space retrieval
- Municipality works departments
- Automotive plants
- Water treatment plants
- Food processing
- Chemical manufacturing
- Construction

Confined Space



Rescue Kits

Part No	Content
FP66/415SR	FP2/415SR - 50' 3-Way SRL FP6600/7 - 7' Tripod FP6610/15 - Mounting Bracket FP6630/7 - Storage Bag
FP66/433SR	FP3/433SR - 110' 3-Way SRL FP6600/7 - 7' Tripod FP6610/33 - Mounting Bracket FP6630/7 - Storage Bag
FP66/715SR	FP2/715SR - 50' Winch FP6600/7 - 7' Tripod FP6610/15 - Mounting Bracket FP6630/7 - Storage Bag

FP6600 Series Tripod

Part No	Stored Length	Extended Length	Weight	Personnel Capacity	Material Capacity
FP6600/7	4.5ft (1.4m)	7ft (2.1m)	29lbs (13kg)	310lbs (140kg)	1,000lbs (450kg)
FP6600/10	6ft (1.8m)	10ft (3m)	34lbs (15kg)	310lbs (140kg)	1,000lbs (450kg)

Accessories

Part No	Description
FP6630/7	Durable, zippered bag protects the tripod from damage and dirt while reducing carrying effort - for FP6600/7 tripod
FP6630/11	Same as FP6630/7 - for FP6600/10 tripod
FP4017B	Lifting yoke and spreader bar

SELF RETRACTING LIFELINE WITH RESCUE WINCH



FP2/415SR



FP3/433SR

The integrated retrieval winch can raise or lower a person in an emergency situation. With a simple flick of the wrist, this 3-way SRL can be switched from fall arrest mode to retrieval mode to speed rescue of an injured worker.

Note: maximum working load of SRL's is 330lbs (150kg) with clothing and tools inclusive.

Features/Benefits

- Easy to activate retrieval mode-one step activates winch process to save precious time
- 4.5:1 gear ratio-manageable 8 metres per minute retrieval speed

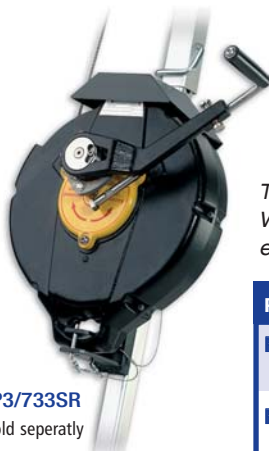
Part No	Lifeline Type	Length	Weight
Regular housing			
FP2/415SR	3/16" (5 mm) stainless cable with swivel load indicating snap hook	50ft (15m)	22lbs (10kgs)
FP2/415KR	1/4" (6 mm) Dyneema cable with swivel load indicating snap hook	50ft (15m)	22lbs (10kgs)
Large housing			
FP3/425SR	3/16" (5 mm) stainless cable with swivel load indicating snap hook	82ft (25m)	36.3lbs (16.5kgs)
FP3/433SR	3/16" (5 mm) stainless cable with swivel load indicating snap hook	110ft (33m)	37lbs (17kgs)

PERSONNEL WINCHES



FP2/715SR

* Bracket sold separately



FP3/733SR

* Bracket sold separately



FP4/700R

* Bracket included

The same robust durability and strength of North's 3-way SRL's is found in the Personnel Winch. It can handle a variety of tasks including material handling, confined space entry/egress and rescue work. Swivel snap hook equipped.

Part No	Lifeline Type	Length	Weight
FP2/715SR	3/16" (5 mm) stainless cable with swivel load indicating snap hook	50ft (15m)	18.7lbs (8.5kgs)
FP3/733SR	3/16" (5 mm) stainless cable with swivel load indicating snap hook	110ft (33m)	37.5lbs (17kgs)

Part No	Lifeline Type	Length	Weight
FP4/700R	Continuous rope winch with bracket 9mm kernmantle rope with carabiners	up to 656ft (200m)	14.1lbs (6.4kgs)

BRACKETS AND ACCESSORIES



FP6610/15

Part No	Description
FP6610/15	Mounting brackets for FP2 series SRL and winch housing types
FP6610/33	Mounting brackets for FP3 series SRL and winch housing type

Controlled Descent

& Rope Systems



An emergency descent for evacuation or rescue purposes requires a device you can depend on. You rely on it to work smoothly, safety and without the need of specialized skills to get you to a safe place out of harm's way. North has several options to choose from, providing a safe, controlled descent speed for use of single or multiple descents. All operate at approximately 2 metres per second and are suitable for use over land and water. All are certified for use as automatic descenders.

AUTOMATIC EVACUATION ROPE DESCENDER



FP4/5100D



Features/Benefits

- Continuous rope system provides multiple person evacuation capability
- One connector travels up to the next user while the current user descends
- Can be stored on site – attached to an anchorage in standby or ready to use format
- Must be used with a descent equipped full body harness
- 11/32" (9 mm) static kernmantle rope with carabiners

Part No	Description	Length
FP4/5100D	Automatic rope descender with single descent break	100 ft (30.5 m), 200 ft (61 m), 300 ft (91.4 m) or 400 ft (121.9 m)

RETRACTABLE AUTOMATIC DESCENDER



FP2/515D



FP3/533D

Features/Benefits

- Self-retracting lifeline with descent brake for use in case rescue is not possible (after an arrested fall). Also to be used for single person evacuation.
- SRL type back-up brake
- Can be stored on site – attached to anchorage in standby ready to use format
- Must be used with a descent equipped full body harness

Part No	Description	Length
FP2/515SD	3/16" (5 mm) stainless cable	50 ft (15.2 m)
FP3/533SD	3/16" (5 mm) stainless cable	110 ft (33.5 m)

MANUAL DESCENDER



FP8120

Whether on pole top or at the top of a transmission tower, the FP8120 lever-type descender offers a lightweight alternative for quick descent and evacuation using rope. It is equipped with an auto-stop device should the user let go of the brake handle. Rope required is supplied with one swaged termination for quick attachment to anchorage connector.

Part No	Description	Length
FP8120	Lever-type manual descender device with auto stop device	—
FP11ST/KD50	7/16" (11 mm) kernmantle rope with swaged eye at one end	50 ft (15.2 m)

RES-Q MAN® ROPE SYSTEM



FP5/6400K



FP8010

Features/Benefits

- Can be activated by one person for positioning work
- Great for work where soft bases are a problem like grain elevators, over water or in aggregate silos
- Can be used with a harness, seat or stretcher
- Excellent for work where movement up and down a structure is required like ship building, window washing, aerial lifts and cable car rescue
- Works well for confined space applications and bridge inspection

Part No	Description	Length
FP5/6400K*	Res-Q Man Positioning System with carabiner, ascender handle and kernmantle rope / 3:1 ratio	200' or 300'
FP8010	Wood suspension seat "Bosun's chair"	—

* Custom length also available upon request

Connectors

Carabiners & Hooks

Snap Hook



FP6650



FP4651

Large Snap Hook



FP92/2HQ



FP5395



FP5386

Carabiner



FP83



FP85



FP86



FP86B



FP87



FP88



FP89

Anchorage Connector



FP93M



FP95M

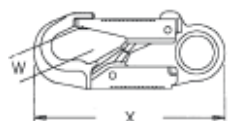


FP96M

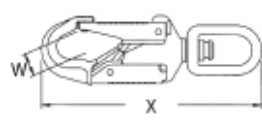
FP99

The most overlooked piece of equipment is often at the end of a lanyard or other piece of fall protection equipment. Connectors or connecting links do a wide assortment of jobs because they are available in a wide variety of shapes and sizes. All provide safe and secure closure and are designed for easy operation even when you have gloves on. All items listed are rated for 5,000lbs. (22kN) unless otherwise specified

SNAP HOOK



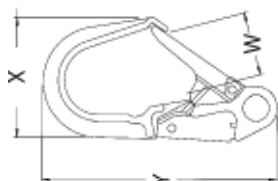
SNAP HOOK



SWIVEL LOAD INDICATING
SNAP HOOK

Part No	Construction	Gate Opening (W)	Width (X)	Lock Type	Standard
FP6650	Drop Forged	3/4" (19 mm)	5-9/16" (141 mm)	Locking	ANSI, CSA, CE
FP4651	Drop Forged / Swivel Load Indicating Snap Hook	3/4" (19 mm)	7-19/64" (185 mm)	Locking	ANSI, CSA, CE

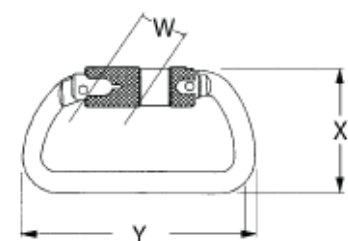
LARGE LOCKING HOOKS



REBAR/LADDER HOOK

Part No	Construction	Gate Opening (W)	Width (X)	Length (Y)	Lock Type	Standard
FP5386	Drop Forged Rebar/ladder hook	1-3/4" (44 mm)	3-7/8" (98 mm)	7-9/16" (192 mm)	Locking	ANSI, CSA, CE
FP92/2HQ	Steel Wire Scaffold Hook	3-1/2" (90 mm)	7" 178 mm	13" 330 mm	Locking	4000 lbs (1800 kg)
FP5395	Drop Forged Scaffold hook/Large Eye	2-1/2" (64 mm)	4-49/64" (121 mm)	8-7/8" (225 mm)	Locking	ANSI, CSA, CE

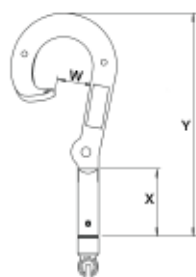
CARBINERS



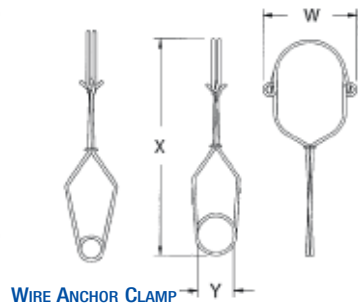
CARABINER

Part No	Construction	Gate Opening (W)	Width (X)	Length (Y)	Lock Type	Standard
FP83	Drop Forged Pear-shaped w/Captive pin	2" (51 mm)	5-1/8" (130 mm)	8-21/32" (220 mm)	Auto locking	ANSI, CSA, CE
FP85	Drop Forged Offset D	5/8" (16 mm)	2-1/2" (64 mm)	4-1/2" (114 mm)	Auto locking	ANSI, CSA, CE
FP86	Drop Forged D-shaped	36/64" (14 mm)	1-31/32" (60 mm)	4-3/32" (104 mm)	Auto locking	ANSI, CSA, CE
FP86B	Drop Forged w/Captive pin	36/64" (14 mm)	1-31/32" (60 mm)	4-3/32" (104 mm)	Auto locking	ANSI, CSA, CE
FP87	Aluminum D-shaped	3/4" (19 mm)	2-3/8" (60 mm)	4-1/2" (114 mm)	Auto locking	ANSI, CSA, CE
FP88	Drop Forged Offset D	29/32" (23 mm)	2-59/64" (74 mm)	4-31/32" (126 mm)	Auto locking	ANSI, CSA, CE
FP89	Aluminum Offset D	1" (25 mm)	2-1/2" (64 mm)	4-1/4" (108 mm)	Auto locking	ANSI, CSA, CE

ANCHORAGE CONNECTOR HARDWARE



SHEPHERD'S HOOK



WIRE ANCHOR CLAMP

Part No	Construction	W	X	Y	Use with
FP93M	Aluminum Shepherd's Hook	3-1/2" (89 mm)	4" (102 mm)	13" (330 mm)	FP08FT/16 or FP08FT/20
FP95M	Aluminum Shepherd's Hook	7" (178 mm)	4" (102 mm)	21" (533 mm)	FP08FT/16 or FP08FT/20
FP96M	Aluminum Shepherd's Hook	12" (305 mm)	4" (102 mm)	28" (711 mm)	FP08FT/16 or FP08FT/20
FP99	Stainless Steel Wire Anchor Clamp	7-3/4" (197 mm)	17" (432 mm)	1-7/16" (37 mm)	Shock absorbing lanyard

FIRST MAN UP ACCESSORIES

A great alternative to providing overhead anchorage is to take the equipment up to the anchor. It's simple when you use a Shepherd's Hook attached to an extension pole. The hook is lifted to the anchor with the pole and secured. A rope grab and lifeline or lightweight DuraLite self-retracting lifeline provide the connection to the full body harness.



Part No	Construction	Length	Use with
FP08FT/16	Fiberglass telescopic pole	5m (16ft) long	FP93M, FP95M, FP96M, FP0776M
FP08FT/20	Fiberglass telescopic pole	6m (20ft) long	FP93M, FP95M, FP96M, FP0776M
FP0776M	Rope installer	—	—

Anchorage

Connectors



Anchorage connectors are just another example of the wide product assortment offered by North. These types of connectors can be as varied as the places in which they are used. Some are portable, some are designed to move along with the worker and some are fixed. From beam anchors to anti-rollout D-rings, North has you connected.

MOVING ANCHORAGE CONNECTORS



Features/Benefits

- Adjustable to accommodate a wide variety of I-Beams
- Designed for use with self-retracting lifelines on horizontal I-beams
- Removable at any point of the beam
- Travels with user to eliminate the swing fall

Part No	Description
FP05	Beam trolley that mounts anywhere on a suitable metal beam - Minimum turn radius of 12" (30 mm) - Fits widths of 2.3" (50 mm) to 6.5" (165 mm)
FP05EXT	Extends fit of FP05 to 8.5" (190 mm)
FP06	Gliding beam anchor that mounts anywhere on a suitable metal beam - Can be dismantled in seconds and moved to a new location or job site - Lightweight - fits 4" (100 mm) to 12" (300 mm) widths Stainless steel construction with easy-to-use D-ring connector

FLEXIBLE ANCHORAGE CONNECTORS



Features/Benefits

- Design to couple fall arrest lanyard to anchorage
- Each Flexible Anchorage connector has min strength of 5,000lbs (22kN)
- Can be used for a variety of fall arrest applications

Part No	Description	Length
FP02/	Cable Sling - 1/4" (6 mm) galvanized steel cable with swaged eyes at each end - PVC coated against corrosion	3', 4', 5' or 6' (0.9 m, 1.2 m, 1.5 m or 2 m)
FP03/	Pass Through Anchor Sling - 2" (50 mm) heavy-duty nylon web with small D-ring which passes through the large D-ring to form loop around anchor	3', 4', 5' or 6' (0.9 m, 1.2 m, 1.5 m or 2 m)
FP04/	Pass Through Anchor Sling - 1" (25 mm) nylon sling material with 1 D-ring that is used as the anchor connector when the webbing is loop around anchor	3', 4', 5' or 6' (0.9 m, 1.2 m, 1.5 m or 2 m)
FP242/	Spectra® Web Loop Sling - Tiny'n Tough (T'nT) Sling is made of revolutionary Spectra webbing for lightweight, small size and exceptional strength - 3/4" (19 mm) web can be used without additional protective materials in concrete forming	2', 3', 4', 5' or 6' (0.6 m, 0.9 m, 1.2 m, 1.5 m or 2 m)
FP09/3	Residential anchor sling - heavy-duty nylon web	3' (0.9 m)



FIXED ANCHORAGE CONNECTORS



Features/Benefits

- D-ring shape reduces rollout possibilities
- Mounting hardware required

Part No	Construction	Gate Opening (W)	Width (X)	Length (Y)
FP3730	Bolt on D-ring	4-1/4" (197 mm)	2-15/16" (75 mm)	2-13/16" (71 mm)

Roofer's Kits

& Accessories



ROOFER'S KITS



FP90/



FPD90/25TR

Available
Only
in Canada

There are many different kinds of wood frame roofing applications. Whether flat or pitched, your safety is paramount to getting the job done. North's roofer's kits set up in minutes for an easy-to-use fall restraint solution.

Roofer's kit contain: (1) Manual rope grab with Soft Pak energy absorber for travel restraint, (1) Light weight universal harness, (2) disposable roof anchors for temporary use with nails, (1) 5/8" (16mm) co-polymer rope with thimble, (1) Carabiner and (1) Carrying bag.

Part No	Description	Harness Size	Rope Length
FP90/25	Roofer's kit	Universal	25' (8m)
FP90/50	Roofer's kit	Universal	50' (15m)
FP90B	Temporary roof anchor	—	—

Travel restraint kit contain: (1) Lightweight Universal harness, 4 ft shock absorbing lanyard, 3-strand Copolymer rope with rope adjuster attached (5/8" (16mm) diameter), (2) roof bracket, 4" (100mm) Adrox Spiral Nails, Durabilt convenient Bucket.

Part No	Description	Harness Size	Rope Length
FPD90/25TR	Travel restraint kit	Universal	25' (8m)
FPD90/50TR	Travel restraint kit	Universal	50' (15m)

ACCESSORIES ITEMS



FP1010



FP017



FP1009

FP6630/7

Available
Only
in Canada

Sturdy equipment bags for all your fall protection needs. Polyvinyl material makes these bags long lasting and resistant to weather and wear.

Part No	Description
FP1009	Small equipment bag - Fits a self-retracting lifeline or winch
FP1010	Large equipment bag - Fits harness and lanyard combinations along with anchorage connector
FP6630/7	Durable, zippered bag protects the tripod from damage and dirt while reducing carrying effort - for FP6600/7 tripod
FP6630/11	Same as FP6630/7 - for FP6600/10 tripod
FP017	Industrial canvas bolt bag - Great for lifting and lowering tools and hardware

WIRE BASKET STRETCHER



ST/1597



ST/1600B

For rescue applications from a confined space or from height, a rugged wire stretcher is the perfect solution. When attached to the bridle, the stretcher can be used along with a winch, rope positioning system or even a 3-way self-retracting lifeline to raise or lower an injured worker to safety.

Part No	Description
ST/1597	Wire basket stretcher
ST/1600B	Bridle for wire basket stretcher

Saf-T-Line



One important aspect of fall protection is a custom designed engineered system. At North Safety Products we are committed to providing our customers with an economical engineered system which are user friendly and complies with all required standards.

All of our engineered systems are designed by one of our professional engineers on staff to meet site specific criteria that our customers demand. Our network of installers, which are located throughout North America, can install any of our systems.

The Saf-T-Line lifeline system is a continuous system which allows the user to travel in any direction without attaching and detaching at every intermediate anchor. The system can be designed to travel horizontally, vertically and around corners without having the user detach from the system at all.

The Saf-T-Line horizontal lifeline system provides fall arrest for all buildings and industrial sites, from a single cable to a complete network of systems for maintenance, cleaning, access, and inspection.

All of the engineered systems are custom designed with one goal - SAFETY. Our designers use cutting edge technology to minimize fall windows and anchor system requirements while at the same time meeting all applicable regulations.

*Complying with EN 353-1 and EN 795 Class C
North Safety Products engineered systems*



Self-Installation

If you decide to install the Saf-T-Line system yourself, our self-installation manual will guide you through the steps to installing your system. Our engineering staff designs all our systems and then specifies all components. A self-installation package will give the customer all the components required to complete the installation with common hand tools. All swaging of the cable is completed at our manufacturing facilities and only mechanical connections are required during site installation.

The horizontal Saf-T-Line allows safe horizontal movement at heights and up to 15° from the vertical. It can be installed on varied structures (roof, façade, traveling crane path, etc.). Made of stainless steel, it can be used with 3 different runners (FP9500, FP9501, FP9502), which can all be connected or disconnected at any location on the cable.

The Saf-T-Line system utilizes a combination of an energy absorber and tension indicator. This combination allows the users to visually check if the system is properly tensioned. If the tension requires adjustment then the user simply increases or decreases the tension by hand until the ideal tension is achieved.

Runner

The Saf-T-Line runners were designed with simplicity in mind. The runner guides through the intermediate brackets without any user manipulation. The runners are virtually maintenance free with very few moving components. The runner can be installed at any point along the cable, which makes this system much more user friendly than the traditional system where the runner can only be installed at an entry gate.

Energy Absorber

The key to any engineered system design is the ability to reduce the forces on the end anchors to a level which traditional building structures can easily accommodate. The Saf-T-Line energy absorber can be easily installed in series with the cable to reduce the forces acting on the anchors to acceptable levels. A visual inspection can determine if the energy absorber has been deployed before the user attaches to the system.

The Saf-T-Line Horizontal Lifeline System is an engineered system that can accommodate two users per intermediate span simultaneously.

All Saf-T-Line components are manufactured from marine grade stainless steel for long lasting safety even in extreme environments.

Testing

All systems which are installed by our professional installers are tested and visually inspected to North Safety Products specifications. This testing is an important key when we commission a system. All testing is documented in our database for future reference.

System Commissioning

Once all the testing is complete, our professional installer will commission the system. Full documentation is posted on site to ensure that all the user's are trained to use the system and are aware of the safety procedures which the system was designed to meet.

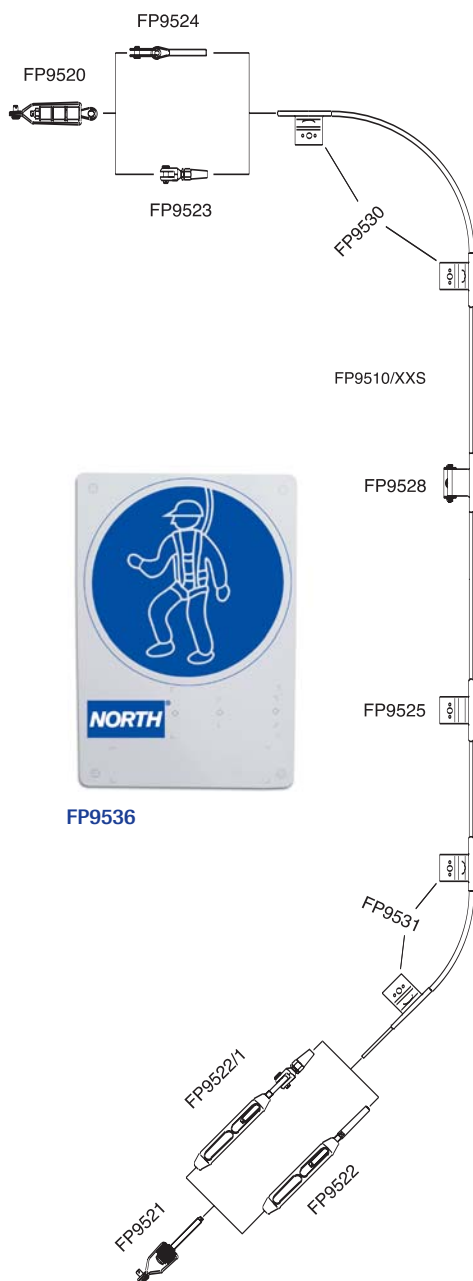
Training

An engineered system can only be effective if the users understand the limitations. With every installation of our engineered systems, our professional installers also train the user on use, care and maintenance. Once the system is installed the users are required to conduct on site training. This is an important key to compliance and a user friendly of engineered system.

Saf-T-Line



COMPONENTS OF A SAF-T-LINE

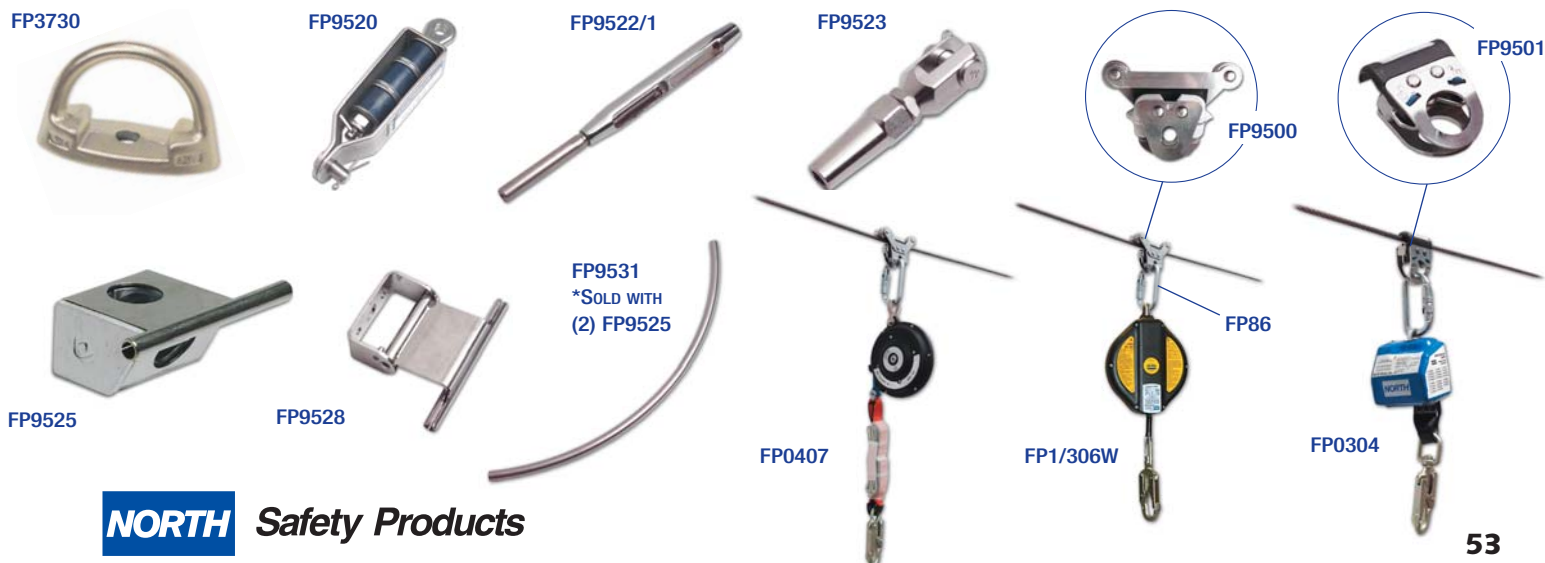


If you wish to design and install your Saf-T-Line system yourself, North Safety Products makes your selection of the right components easy. Simply use the drawing below as a guide as to which components comprise a system. Once your components are selected, please contact our engineering department and they will review the design of the system and give you the appropriate forces and clearance required for your system. If you need assistance in component selection please contact our engineering department at 1-(866) 272-2733 and they will assist you.

Part No	Description
FP3730	Anti rollout anchorage "D", tensile strength 22kN (5,000 lbs)
FP9500	Simple safety runner with connector and roller kit
FP9501	Simple safety runner with large opening connector
FP9502	Simple safety runner with small opening connector
FP9510/XXS	Stainless steel horizontal lifeline (per foot)
FP9520	Shock absorber
FP9521	Pre-tensionner
FP9522/2	Setable tensor
FP9522/1	Setable with tensor swagless terminal
FP9523	Swageless terminal for cable
FP9524	Adjustable wire rope ending with MR10
FP9525	Fix intermediate support
FP9526	Fix intermediate 45 degree
FP9528	Mobile intermediate support
FP9529	Mobile intermediate support for vertical system
FP9530	Corner support 90 degrees
FP9531	Corner support 135 degrees
FP9536	Safety panel

Fall Arrest Device for Saf-T-Line

Part No	Description	Length
FP0407	Duralite self-retracting web lanyard	20' (6 m)
FP1/306W	"Duralite II" self -retracting lifeline, nylon web	20' (6 m)
FP0304	Retractable web lanyard	8' (2.4 m)
FP2/315S	Self-retracting lifeline, stainless steel housing	50' (15 m)



RungMaster™





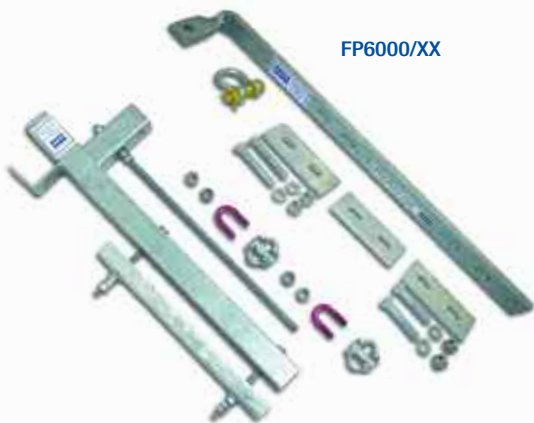
The RungMaster is a cost effective way to protect your workers when they are climbing fixed ladders. All RungMaster components are made from galvanized steel for maintenance-free operation. The system comes complete with an energy absorber; which is built into the top bracket. The energy absorber will deploy at 900lbs (4kN), keeping the ladder from being damaged in the event of a fall. The RungMaster system comes with all the equipment necessary to install the system on any continuous straight fixed ladder system. All RungMaster Safety Systems are engineered to meet or exceed applicable CSA, ANSI and OSHA requirements.

Installation of your RungMaster kit requires no special tools and can be installed in minutes. Simply start at the top of your ladder and work your way down. Follow the instruction manual for positioning of intermediate brackets. Once all the components are installed, simply tension the system using the turnbuckle and cut the excess cable off (if necessary). It's that simple!

To order A RungMaster System:

1. Choose the type of top bracket; regular bracket use FP6000/XX (5/16" cable) or FP6200/XX (3/8" cable) and for ladders not extended above the platform use the extended bracket FP6001/XX (5/16" cable) or FP6201 (3/8" cable)
2. Obtain the height of the ladder
3. Select the kit based on the length of the ladder (i.e. 50' (15 m) ladder requires a FP6000/50 kit)
4. If your ladder is between sizes, then select the next longer length of kit to ensure you have enough cable
5. Select the number of Automatic cable grabs assemblies required (FP571/8 or FP571/10)

FP6000/XX



Part No	Description
FP6000/20 TO 200	Permanent vertical system including: (1) top bracket with built in shock absorber, (1) bottom bracket, (1) cable adjuster, (2) cable grips, (**) intermediate cable supports, (1) 20' to 200' (6m to 61 m) galvanized cable 5/16" (8 mm)
FP6200/20 TO 200	Same as above with 3/8" (10 mm) galvanized cable
FP6001/20 TO 200 (for extended bracket applications)	Permanent vertical system including: (1) extended top bracket with built in shock absorber, (1) bottom bracket, (1) cable adjuster, (2) cable grips, (**) intermediate cable supports, (1) 20' to 200' (6m to 61 m) galvanized cable 5/16" (8 mm)
FP6201/20 TO 200	Same as above with 3/8" (10 mm) galvanized cable

** Number of intermediate cable supports depend on the length of the system.

ACCESSORIES



FP571/8

Part No	Description
FP6000/TB	Vertical system regular top bracket
FP6001/TB	Vertical system extended top bracket
FP6002	Vertical system bottom bracket
FP571/8	Cable grab for vertical system with carabiner - 5/16" (8 mm)
FP571/10	Cable grab for vertical system with carabiner - 3/8" (10 mm)
FP6000/HW	Hardware kit for RungMaster
FP722/4DP	Polyester cross chest harness with back, sternal and side D-rings - CSA approved for ladder climbing and work positioning
FP81F/4DLA	Rite-On polyester harness with back, front and side D-rings - CSA approved for fall arrest, work positioning, descent and ladder climbing
FP810/4DLA	Polyester harness with back, front and side D-rings - CSA approved for fall arrest, work positioning, descent and ladder climbing

Applications

- Industrial fixed ladders
- Silos
- Communication towers
- Petrochemical plants
- Automotive plants
- Steel manufacturing
- Roof access ladder
- Lightning towers
- Chimneys
- Guyed towers and antennas
- Water towers
- Replacement for caged ladder
- Stadium lighting tower

Power Post



The Power Post provides 2 independent swivel anchor tie-offs for fall arrest or travel restraint. The post is constructed from lightweight steel which is powder coated safety yellow for visibility. The Power Post system is comprised of the Power Post anchor and the Power Post fixed base. The post fits into the base and has a simple quick-release pin to secure it in place. The base can be bolted or welded onto the structure. Bases can be installed at multiple locations and the post can be transported from location to location.

Installation of bases requires a professional engineer approval. Base can be welded or bolted to the structure. Power Post installs into the base in seconds.

Features/Benefits

- Ideal for transformer inspection, machinery inspection or anywhere a fixed anchor is required
- Overall dimensions 4"x4"x41.5" (10cm x 10cm x 105cm)
- Connection point height is 42" (107cm)
- Provides 2 independent fully rotational (360°) anchors to accommodate up to two workers
- Constructed from steel (350W MPa) powder coated safety yellow
- Must be used with a shock absorbing lanyard or self-retracting lifeline

Part No	Description
FP6700	Portable anchor post
FP6701	Post base

FP6700



FP6701



Applications:

- Transformer inspection
- Mining
- Construction
- Roofing
- Presses
- Tanker cars and trailers



Beamguard™



BEAMGUARD KITS

The Beamguard™ system is a cost effective way to protect your workers when they are working in an area where no suitable fixed anchorage exists. Beamguard Safety Post System offers a complete temporary horizontal lifeline system for structural steel. It can be used as a single span for lengths between 10' to 60' (3 m to 18 m) or multiple spans every 60' (18 m).

Features/Benefits

- Ideal for steel erection, bridgework, girders and roof peaks
- Designed to accommodate up to (2) two workers per span
- These stanchions are lightweight and install in seconds with no special tools. The unique Quick Rod™ design allows the user to install and remove the stanchions in seconds. No torque settings are required during the installation.
- The stanchion has an inherent shock absorbing property which lowers the cost of the entire system, speeds up installation and allows the users to use longer spans without interference from typical inline shock absorbers.
- If an intermediate is required, a pass thru "Q" bracket can be installed to maintain 100% tie off without the use of a double lanyard (Y-lanyard).
- Meets current OSHA requirements for horizontal lifelines.
- The stanchion mounts to any beam with a top flange of 4" (101.6mm) minimum width and up to 2-1/2" (63.5mm) thick web.
- All Beamguard safety posts are 42" (107 cm) in height which also serves as a hand grab to steady the worker when they need to travel around the post. The Beamguard is also offset at an angle to allow the user an easy passage around the intermediate post, even when carrying tools and or materials.
- For steel erection, the Beamguard safety posts together with the horizontal lifeline kit can be installed on the ground and then lifted into position on the steel.

Installation of your Beamguard kits requires no special tools and can be installed in seconds. Follow the instruction manual to install the Beamguard posts. Once all posts are installed, string the cable from one post. The proper tension of the system is indicated in the manual. It's that simple!

Part No	Description
FP07/60	DESIGNED FOR TWO USERS MAXIMUM: (2) Beamguard safety stanchions, (4) Quick rods, (4) Quick thread wing nuts, (2) 1/2" safety shackles, (2) Custom safety cables, (1) Cable assembly 60' (18 m) in length, Complete instructions and easy to understand fall clearance tables
FP07/120	DESIGNED FOR TWO USERS MAXIMUM: (3) Beamguard safety stanchions, (6) Quick rods, (6) Quick thread wing nuts, (2) 1/2" safety shackle, (1) Custom safety cables, (1) Cable assembly 120' (36 m) in length, (1) "Q" bracket, Complete instructions and easy to understand fall clearance tables



FP07/60
BEAMGUARD SYSTEM



FP07/12



BEAMGUARD
ON BEAM

REPLACEMENT PARTS



FP0701



FP0702

Part No	Description
FP0701	Beamguard safety post complete with all hardware
FP0702	Pass thru "Q" bracket with mounting hardware
FP0705	Side safety cable
FP0706	Quick rod

Horizontal Lifeline



Safety and mobility – these are the hallmarks of North’s Temporary Horizontal Lifeline (HLL) Systems. Whether rope or cable, these systems provide durable protection that can be moved from site to site where there are suitable approved anchor points. 100% portable and lightweight, these systems are ideal for the construction job site or bridge and building inspection activities.

TEMPORARY HL KIT - ROPE

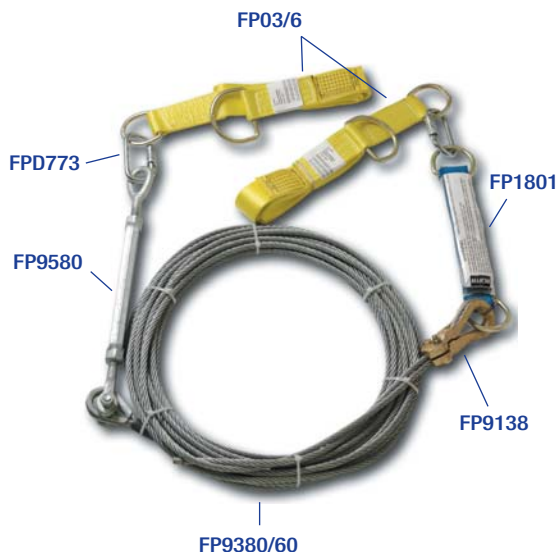
Made with synthetic kernmantle rope, this is the lightest of North’s horizontal lifelines. It spans up to 60 feet (18 m) for up to 2 people.



Part No	Description
FP1001	60' (18 m) of 5/8" (16mm) synthetic lifeline rope, 2 carabiners, 2 anchor slings, 1 rope tensioner, 1 lanyard (4 foot) with energy absorber and convenient carrying bag.
FP16ST/KH60	60' (18 m) horizontal lifeline, 5/8" (16 mm) hard lay polyester kernmantle rope, one termination and carabiner.
FP85	Carabiner connector, steel 1/4 turn twist lock, 5/8" (16 mm) opening.
FP02/6	PVC coated cable sling, 6' (1,8 m) long.
FP3521	Rope tensioner for 5/8" (16 mm) kernmantle rope.
FP22322/4	25 mm (1") nylon web lanyard with Soft Pack energy absorber, double locking ergonomic snap hook at both ends, 4 feet long.
FP1010	Large equipment carrying bag, ideal for lifeline kits.

TEMPORARY HL Kit - CABLE

The “SteelMan” Temporary Horizontal Lifelines provide a durable version of the rope lifeline. Galvanized steel cable resists additional wear and tear found in severe environments. This kit is ideally used in construction, the petrochemical industry and steel erection. It spans up to 60' (18 m) for up to 2 people.



Part No	Description
FP1002	Temporary HL Kit, comprising 60' (18m) of 3/8" (10mm) galvanized cable, 2 anchor slings, cable tensioner and cable clips, Soft Pak energy absorber, 2 carabiner connectors.
FP9380/60	Galvanized cable 3/8" (10 mm), 60 feet long.
FP03/6	Pass through anchor sling 2" (50 mm) nylon webbing, one small and one large "D" ring, 6 feet long.
FP9580	Cable tensioner.
FP9138	Cable clip.
FPD773	Carabiner connector, steel, 1/4 turn twist lock, 3/4" (19 mm) opening.

ACCESSORIES



Part No	Description
FP3000	CanRest metallic energy absorber for lifeline limits anchor loads to 2800 lbs (13kN)
FP1800	Replacement Soft Pak tear web energy absorber with weather proof cover. Reduces loads on end anchor to below 1800 lbs. (8 kN).
FP1801	Replacement Soft Pak tear web energy absorber. Reduces loads on end anchor to below 1800 lbs. (8 kN).
FP9150	Optional split pulley for use on horizontal lifelines.

Features

- Priced right to satisfy your needs
- User friendly
- Polyester webbing for greater resistance to chemicals
- Universal style with our one size fits most plus XL
- Available with integrated harness and shock absorbing lanyard combos for increased user compliance

Safety and Quality

- Meets or exceeds all standards CSA, ANSI and OHSA
- We don't just make it, we make sure it works. We test all products to all applicable standards to ensure your safety
- ISO 9001 manufacturing facility

Cost effectiveness

- Basic universal harness for everyday use
- Fewer sizes to carry
- Lightweight
- Everything you will need in one kit (bag included)
- No sacrifice of quality for a better price

FPD698/1DP



Part No	Description	Size	D-rings
FPD698/1DP	Full Body Harness Lightweight Polyester	Universal	Large back "D" ring
FPD698/1DPXL	Full Body Harness Lightweight Polyester	XL	Large back "D" ring

FPD698/1DGP



FPD698/3DGP



Part No	Description	Size	D-rings
FPD698/1DGP	Full Body Harness Lightweight Polyester w/Grommetted Legs	Universal	Large back "D" ring
FPD698/1DGXPXL	Full Body Harness Lightweight Polyester w/Grommetted Legs	XL	Large back "D" ring
FPD698/3DGP	Full Body Harness Lightweight Polyester w/Grommetted Legs	Universal	Large back/ 2 large side "D" rings
FPD698/3DGXPXL	Full Body Harness Lightweight Polyester w/Grommetted Legs	XL	Large back/ 2 large side "D" rings

LANYARDS

Continuous Polyester Web



By
NORTH



FPD26311/4

Continuous Polyester Web (1-3/4") Energy Absorbing Lanyard

Part No	Description	Harness Connectors	Anchor Connectors	Length
FPD26311/4	1-3/4" Continuous Web Energy Absorbing Lanyard	Double locking snap hook	Double locking snap hook	4ft
FPD26311/6	1-3/4" Continuous Web Energy Absorbing Lanyard	Double locking snap hook	Double locking snap hook	6ft

Polyester Decelerator



FPD29819/6

FPD29811/6



FPD2981G/4

Polyester Decelerator Energy Absorbing Lanyard

Part No	Description	Harness Connectors	Anchor Connectors	Length
FPD29811/4	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	Double locking snap hook	4ft
FPD29811/6	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	Double locking snap hook	6ft
FPD29819/4	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	Double locking rebar hook	4ft
FPD29819/6	Polyester Decelerator	Double locking	Double locking	6ft
FPD29810/6	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	2-1/2" scaffold hook	6ft
FPD2981G/4	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	2-1/2" stamped scaffolding hook	4ft
FPD2981G/6	Polyester Decelerator Energy Absorbing Lanyard	Double locking snap hook	2-1/2" stamped scaffolding hook	6ft

Y-Lanyards



FPD2991GG/6

FPD299111/6

Decelerator Energy Absorbing Y-Lanyard

Part No	Description	Harness Connectors	Anchor Connectors	Length
FPD299111/4	Polyester Decelerator Energy Absorbing "Y" Lanyard	Double locking snap hook	Double locking snap hook	4ft
FPD299111/6	Polyester Decelerator Energy Absorbing "Y" Lanyard	Double locking snap hook	Double locking snap hook	6ft
FPD2991GG/4	Polyester Decelerator Energy Absorbing "Y" Lanyard	Double locking snap hook	2-1/2" stamped scaffolding hook	4ft
FPD2991GG/6	Polyester Decelerator Energy Absorbing "Y" Lanyard	Double locking snap hook	2-1/2" stamped scaffolding hook	6ft

KITS

AERIAL KITS



Contains:

- FPD698/1DP or FPD698/1DPXL Polyester Full Body Harness
- With Permanently Attached Polyester Decelerator Energy Absorbing Lanyard w/Double Locking Snap Hook (4 or 6ft) FPD29811/4 or FPD29811/6
- Carrying Bag

Part No	Description
FPDKIT1/4	Aerial kit with 4' lanyard
FPDKIT1XL/4	Aerial kit with 4' lanyard and XL harness
FPDKIT1/6	Aerial kit with 6' lanyard
FPDKIT1XL/6	Aerial kit with 6' lanyard and XL harness

CONSTRUCTION KITS



Contains:

- FPD698/1DGP or FPD698/1DGPXL Polyester Full Body Harness
- Polyester Decelerator Energy Absorbing Lanyard w/Double Locking Snap Hook (4 or 6ft) FPD29811/4 or FPD29811/6
- TNT Spectra Sling (4ft or 6ft) FP242/4 or FP242/6
- Carrying Bag

Part No	Description
FPDKIT2/4	Construction kit with 4' lanyard
FPDKIT2XL/4	Construction kit with 4' lanyard and XL harness
FPDKIT2/6	Construction kit with 6' lanyard
FPDKIT2XL/6	Construction kit with 6' lanyard and XL harness

SCAFFOLDING / FORMING KITS



Contains:

- FPD698/1DGP or FPD698/1DGPXL Polyester Full Body Harness
- Polyester Decelerator Energy Absorbing Lanyard w/Double Locking Snap Hook and 2-1/2" Stamped Scaffolding hook (4 or 6ft) FPD2981G/4 or FPD2981G/6
- Carrying Bag

Part No	Description
FPDKIT3/4	Scaffolding/Forming kit with 4' lanyard
FPDKIT3XL/4	Scaffolding/Forming kit with 4' lanyard and XL harness
FPDKIT3/6	Scaffolding/Forming kit with 6' lanyard
FPDKIT3XL/6	Scaffolding/Forming kit with 6' lanyard and XL harness

REBAR KITS



Contains:

- FPD698/3DGP or FPD698/3DGPXL Polyester Full Body Harness
- Polyester Decelerator Energy Absorbing Lanyard w/Double Locking Snap Hook and 2-1/2" Stamped Scaffolding hook (4 or 6ft) FPD2981G/4 or FPD2981G/6
- Rebar Assembly FP9781/1L18
- Carrying Bag

Part No	Description
FPDKIT4/4	Rebar kit with 4' lanyard
FPDKIT4XL/4	Rebar kit with 4' lanyard and XL harness
FPDKIT4/6	Rebar kit with 6' lanyard
FPDKIT4XL/6	Rebar kit with 6' lanyard and XL harness

ROOFER'S KITS



Contains:

- Lightweight Universal Harness (FPD698/1DP386)
- With Soft Pack energy absorbing lanyard and Rope Grab, permanently attached
- 3-Strand Copolymer Rope of 5/8" (16 mm) 25ft (8 m) or 50ft (16 m) (FP16E/SPxx)
- (2) Roof Bracket (FP90B)
- (1) Carabiner Connector (FP86)
- (10) 4" (100 mm) Ardox Spiral Nails
- Durabilt Storage Bucket

Part No	Description
FPD90/25	Roofer's kit with 25' (8 m) of Rope
FPD90/50	Roofer's kit with 50' (16 m) of Rope

COMBOS

FPDCOMBO1 & FPDCOMBO1XL



FPD698/1DP

Universal Size or

FPD698/1DPXL

XLarge Full Body Harness

Harness with Permanently Attached
4 or 6 foot Decelerator Energy Absorbing
Lanyard with Double Locking snap Hook



Part No	Anchor Connector	Length
FPDCOMBO1/4	Double locking snap hook	4ft
FPDCOMBO1XL/4	Double locking snap hook	4ft
FPDCOMBO1/6	Double locking snap hook	6ft
FPDCOMBO1XL/6	Double locking snap hook	6ft

FPDCOMBO2 & FPDCOMBO2XL



FPD698/1DP

Universal Size or

FPD698/1DPXL

XLarge Full Body Harness

Harness with Permanently Attached
4 or 6 foot Decelerator Energy Absorbing
Lanyard with Double Locking Rebar Hook



Part No	Anchor Connector	Length
FPDCOMBO2/4	Double locking rebar hook	4ft
FPDCOMBO2XL/4	Double locking rebar hook	4ft
FPDCOMBO2/6	Double locking rebar hook	6ft
FPDCOMBO2XL/6	Double locking rebar hook	6ft

ACCESSORIES



REBAR ASSEMBLIES



FP9781/1L18

- (2) ergonomic double locking snap hooks
- (1) 2-1/2" opening scaffold hook

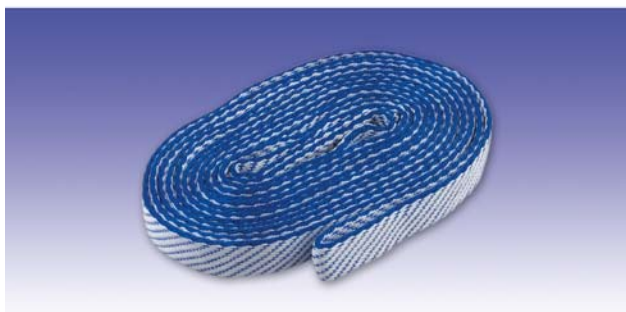
CARABINER CONNECTOR



FPD773

- Made of steel
- 1/4 autolock turn twist lock
- 1" (25 mm) opening
- Rated for 5,000 lbs (22kN)

TNT SPECTRA SLING



FP242/4

- 4ft long
- 1" (25 mm) web loop
- Rated for 5,000 lbs (22kN)

CARRYING BAG



FPD1011

- Convenient carrying bag with North logo

General Standards & Approvals

for Fall Protection Products

The Safety Industry is in constant flux looking for the best possible solutions to safety issues, hazards and product performance. The goal is simple – to get you home each and every night after work.

Fall protection is no different. North continues to look for easy-to-use fall protection solutions so that you can use your equipment with confidence. Product standards and regulations play a big part in guaranteeing that North's product line is up to the challenge. They ensure that our products meet the performance requirements set by the industry or in legislation. They also help you in the selection and use of proper equipment.

CSA - CANADIAN STANDARDS ASSOCIATION

Safety Belts and Saddles for work positioning and travel restraint	CSAZ259.1-05
Fall Arresting Devices and Vertical Lifelines	CSAZ259.2.1-98
Self-Retracting Devices for Personal Fall Arrest Systems	CSAZ259.2.2-98
Descent Control Devices	CSAZ259.2.3-99
Full Body Harnesses	CSAZ259.10-06
Shock Absorbers for Personal Fall Arrest Systems	CSAZ259.11-05
Connecting Components for Personal Fall Arrest Systems (PFAS)	CSAZ259.12-01
Flexible Horizontal Lifelines	CSAZ259.13-04
Fall Restrict Equipment for Wood Pole Climbing	CSAZ259.14-01
Design of Active Fall Protection Systems	CSAZ259.16-03

OHSA - OCCUPATIONAL HEALTH & SAFETY ACT

REGULATIONS UNDER TITLE 29 OF THE CODE OF FEDERAL REGULATIONS (29 CFR)

Occupational Safety and Health Standards for General Industry

Subpart F	
•Powered Platforms and Building Maintenance	1910.66
Subpart J	
•Permit-Required Confined Space	1910.146
Subpart R, Special Industries	
•Agricultural Operations	1910.267
•Telecommunications	1910.268
•Electric Power Generation, Transmission & Distribution	1910.269

Occupational Safety and Health Standards for Construction

Subpart E, Personal Protective Equipment	
•Safety Belts, Lifelines & Lanyards	1926.104
•Safety Nets	1926.105
Subpart L, Scaffolding	
•Boatswain's Chairs	1926.451 (1)
Subpart M, Fall Protection	
•Scope, Application & Definitions	1926.500
•Duty to Have Fall Protection	1926.501
•Fall Protection Systems Criteria & Practices	1926.502
•Training Requirements	1926.503
Subpart R, Steel Erection	
•Fall Protection	1926.760

Occupational Safety and Health Standards for Marine Terminals & Longshoring

•Marine Terminals	1917
•Longshoring	1918

ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE

Construction and Demolition Operations

•Requirements for Safety Belts, Harnesses, Lanyards & Lifelines	A10.14 – 1991
•Ladders (Fixed) – Safety Requirements	A14.3 – 1992
•Safety Requirements for Confined Spaces	Z117 - 1994
•Safety Requirements for Personal Fall Arrest Systems, Subsystems & Components	Z359.1 – 1992 (R-1999)

These are a sampling of standards, regulations and legislation which govern the use, manufacture and selection for fall protection equipment. Consult your regional and local standards before your equipment purchase and implementation.

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At North Safety Products we believe producing state of the art innovative safety and personal safety equipment is NOT enough. In order to enhance user safety, confidence and productivity it is also our responsibility to provide Qualified Training Personnel, In-House Training Facilities, Training Video programs and Literature.

Selection Guide for Respiratory and Hand Protection.

Also calculates estimated cartridge service life.
Click icon above for our 2.2 ezGuide software



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