

# Fall Protection Rescue Products

Volume 3



**MSA**  
The Safety Company™

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*Our commitment to you . . .*

## THE **(FP)** PROMISE

MSA promises to replace any MSA harness and/or textile lanyard FREE of charge if a user falls while properly using our product. If the fall occurs while using a MSA mechanical device, we will re-certify the device FREE of charge.

MSA believes it's important to provide high quality products and recognize safe work practices.

Products should be returned with a signed copy of the accident report to:

**MSA FP**  
**Attention: Product Line Manager**  
**1000 Cranberry Woods Drive**  
**Cranberry Twp., PA 16066**



## GENERAL HARNESS INFORMATION

A fall arrest system must always include a full body harness and means of connection between the harness and a qualified anchorage point or anchorage connector. Such connecting means may consist of a lanyard, energy (shock) absorber, fall arrester (rope grab), lifeline, self-retracting lanyard, or qualified combinations of these.

### ATTACHMENT POINTS



**Fall Arrest Systems** are an assembly of components and subsystems, including the necessary connectors, used to arrest the user in a fall from a working height and suspend the user until rescue can be effected.



**Suspension Systems** permit workers to sit and work safely while elevated. The system is designed to raise or lower, and support a worker at an elevated work station. This system alone cannot be relied upon to provide proper fall arrest protection.



**Restraint Systems** are an assembly of components and subsystems, including the necessary connectors, used to: (a) stabilize and partially support the user at an elevated work location and allow free use of both hands; (b) restrict the user's motion so as to prevent reaching a location where a fall hazard exists.



**Personnel-Riding Systems** provide a quick means of raising a user out of, or lowering a worker into, a working environment. The system supports full body weight for a short period of time, but should not be used for suspension. A retrieval system by itself may not provide all the protection a worker requires. Fall arrest and/or restraint systems may also be required.

#### ⚠ WARNING

*As of January 1, 1998, OSHA prohibits the use of a body belt for fall arrest in the construction industry. A full body harness must be used for all fall arrest applications.*

*Failure to follow this warning will violate OSHA regulations and may result in serious personal injury or death.*

#### ⚠ WARNING

*Restraint systems, Suspension systems, and Personnel Riding Systems must be used only for the applications for which they were designed. DO NOT rely on them to provide fall arrest or any other kind of protection.*

*Failure to follow this warning may result in serious personal injury or death.*

### SEI CERTIFICATION



**SEI CERTIFICATION** is an independent third party certification to the ANSI Z359.1 standard. SEI is a leader in safety equipment certification, and provides the assurance that your equipment meets the most current quality and performance standards in the industry.

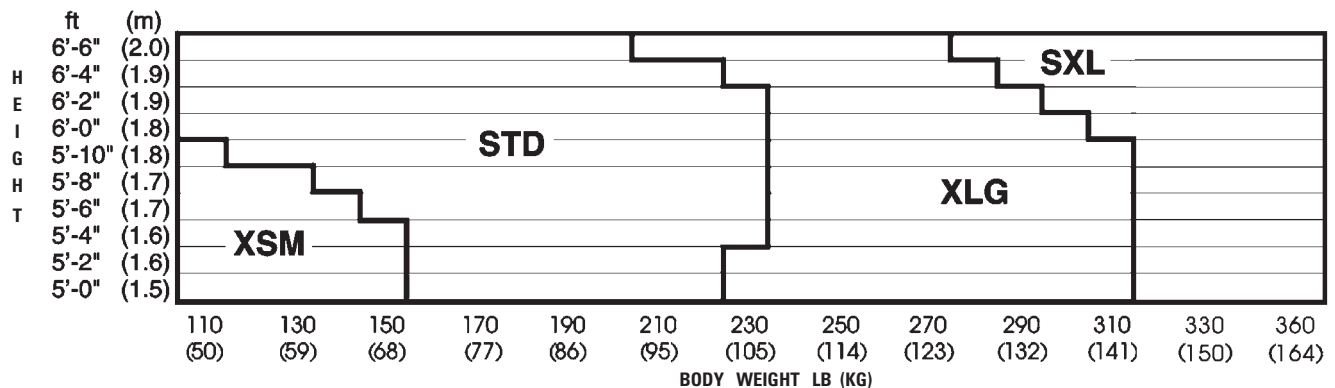
### PRODUCT SIZING

Most harnesses listed in this catalog are Standard (STD) Size. Other sizes are available for weight capacities up to 360 lbs.\* Custom harnesses are available up to a 400 lb weight capacity at no additional charge (custom harnesses with weight capacities of 361–400 lbs are priced at the SXL harness size).

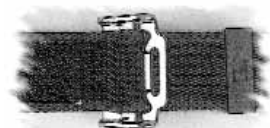
\*360 lb weight capacity applies to size SXL harnesses and excludes all Gravity Harnesses and Derrick Harnesses. Gravity and Derrick harnesses must be custom ordered for weight capacities above 310 lbs. When ordering a harness for a worker exceeding 310 lbs, a custom shock-absorbing lanyard, designed for the weight of the individual, must also be ordered.

#### Why do we have harness sizes?

Universal or One-Size-Fits-All harnesses do not offer proper fit for all users. We offer different size harnesses to provide you with the best possible fit, and optimum safety and comfort. If you have any questions on selecting the proper harness size, please contact our Fall Protection Technical Hotline at 1-888-421-8324.



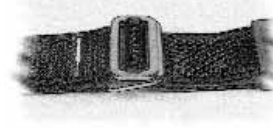
Friction Buckle



Tongue Buckle



Qwik-Fit™ (Mating) Buckle



# Harnesses

## FULL BODY HARNESSSES

### GRAVITY™ RIGGER/RESCUE HARNESS

The Gravity Rigger/Rescue Harness is designed to be used for most work applications that require a full body harness. The harness incorporates a sit harness design which allows the user a much higher degree of comfort while in the sit position. The Gravity Rigger/Rescue Harness is suitable for rappelling/control descent, positioning, ladder climbing, rescue, and fall arrest. Meets ANSI Z 359.1 and applicable OSHA standards, and is CSA certified.

#### Gravity Rigger/Rescue Harness



Part No.	Description
SSH60930001	Gravity Riggers Harness, black polyester webbing, cross-over design, integral belt

Additional sizes available. See Sizing Chart (p.5)



Gravity Rigger/Rescue Harness  
Part No. SSH60930001

### TACTICAL™ HARNESS

The Tactical Harness has the same great features as the Classic Pullover Harness including easy donning and doffing, great comfort, and sub-pelvic support. Available with tongue buckle leg straps, the Tactical Harness has many additional features including waist level rescue loop. Other features include:

- Black webbing to decrease visibility
- Grey stitching for easy inspection
- Black vinyl coated hardware connection points (back D-ring, chest D-ring, hip D-rings, and tongue buckles on leg straps) for sound deadening
- Wide sub-pelvic straps for improved comfort in suspension
- Rescue loop for controlled upright and inverted descents
- Meets ANSI A10.14, ANSI Z 359.1, and applicable OSHA standards
- CSA certified

#### Tactical Harness

Part No.	CSA Part No.	Description
10021371	10023109	Tactical Harness, Standard size
10021373	10023181	Tactical Harness, X-Large size

Additional sizes available. See Sizing Chart (p.5)



Tactical Harness  
Part No. 10021371

### PREMAIRE® RESCUE HARNESS

The PremAire Rescue Harness is a Vest Style harness designed to integrate with the MSA PremAire Breathing Apparatus. The harness utilizes two steel clips and two Velcro straps for quick attachment of the PremAire Belt. The steel clips and Velcro straps are positioned to provide proper weight distribution of the breathing apparatus.

- Available in Kevlar or polyester webbing
- Contrasting webbing and stitching colors for easy inspection
- Kevlar version offers excellent chemical and heat resistance
- Meets ANSI A10.14, ANSI Z359.1, and applicable OSHA standards
- CSA certified

#### PremAire Rescue Harness

Part No.	Description
10026113	PremAire Rescue Harness, STD size, polyester, tongue buckle leg straps
10026114	PremAire Rescue Harness, XLG size, polyester, tongue buckle leg straps
10025330*	PremAire Rescue Harness, STD size, Kevlar, Qwik-Fit leg straps
10025331*	PremAire Rescue Harness, XLG size, Kevlar, Qwik-Fit leg straps

\*Not CSA certified

Additional sizes available. See Sizing Chart (p.5)



PremAire Harness  
Part No. 10025330

## TECHNACURV™ FULL BODY HARNESS

The TechnaCurv Full Body Harness throws a curve to the ordinary harness with many new features never before seen in a full body harness:

- Curvilinear Comfort System
- Visco-Elastic Shoulder padding
- Innovative web design
- Secure-Fit buckles
- Sorbtek fabric on shoulder and sub-pelvic pads
- Meets ANSI Z359.1, all applicable OSHA regulations, and is CSA certified



In addition to the features above, the TechnaCurv harness is designed with downward adjusting torso straps on most models to ease adjustment. This is also the first harness on the market that allows you to order exactly the options you want, and only the options you want, through our Assemble-to-Order process. All these features combine to provide you with the most comfortable, versatile, unique, and safe harness available today.

**And now, we're making a great harness even better!** You will notice a few changes on your TechnaCurv Harness that will improve the functionality and comfort of the harness. These improvements include:

- Addition of two Lanyard Clips on every harness, at no additional cost.
- Addition of webbing length to the torso and leg strap portions of the harness to give you a wider range of adjustment. These additions will provide you with the perfect, most comfortable fit every time you put on your harness.

### the CURVILINEAR COMFORT SYSTEM features:

#### Curvilinear Torso Webbing

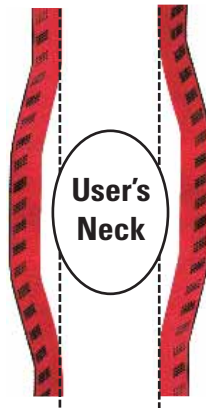
- This patent-pending process curves the webbing around the neck area to help prevent chafing and discomfort on the neck that can be caused by some standard harnesses.

#### COMBINED WITH

#### Adjustable Y Back D-Locator Pad

- Allows complete adjustment of the back D-ring to provide proper harness fit.
- Assists in moving the shoulder webbing away from the neck, providing additional comfort to the user.
- Ribbed web slots in back pad allow for easy back D Ring adjustment.
- A special polymer blend allows for optimal strength and minimal weight, giving you a lighter, more durable harness.

#### TO PROVIDE YOU WITH TOTAL COMFORT!



#### Webbing

- Soft, Flexible webbing allows the harness to move with you as you work for increased comfort.
- An innovative pattern design offers a cool, sporty appearance.

#### Shoulder Pads & Sub-pelvic Pad

##### Sorbtek™ Fabric:

- A highly breathable, lightweight material designed to wick moisture away from the body.

##### Visco-Elastic Shoulder Padding:

- Developed by NASA, Visco-elastic padding is more comfortable than traditional foam padding.
- Does not have memory and will not break down over time, offering superior comfort throughout the life of the harness.
- Automatically adjusts to every curve of your body



#### Secure-Fit™ Buckle



- Designed to ease donning, doffing, and adjustment.
- Single hand operation.
- Buckle release tabs move in opposite directions and are recessed inside the outer buckle dimensions to prevent accidental disengagement.
- Positive engagement windows allow you to see that the buckle is properly engaged. No need to try and listen for a "click" on a noisy job site.



#### Variable Width Webbing

- Width varies from 1-5/8" to 2-5/8".
- Distributes weight over a wider surface area to increase comfort during suspension/work positioning.

#### TechnaCurv Full Body Harnesses

Part No.	PADDING			LEG STRAPS	D-Rings			
	Pullover	Shoulder	Sub-Pelvic		Back	Chest	Hip	Shoulder
A-NGHN241211003002	X	X	X	X	1	1	2	2

All harnesses listed here are Standard (STD) size. Other sizes are available.

To get the latest information on our products and services, visit our web site at [www.msanet.com](http://www.msanet.com)





## ARCSAFE® HARNESS

The ArcSafe harness is SEI-certified to the requirements of the ASTM F887-05 standard for arc flash protection up to 40 cal/cm<sup>2</sup> and is designed to meet the needs of utility and maintenance workers.

### Additional features

#### For safety:

- Nylon web loop attachment points
- Reduce overall harness weight
- Reduce metallic components
- Meets all applicable OSHA regulations and ANSI Z359.1 & A10.32 standards
- Certified to CSA Z259.10-M90 classes A, D, L, P

#### For versatility & comfort:

- Y-shaped back web loop locator pad
- Allows for effortless adjustment of the back web loop
- Provides comfort by moving the webbing away from the wearer's neck
- Color-coded torso straps to simplify donning
- Downward-adjusting torso straps to ease adjustment
- Optional integral shock-absorber
- Choice of Vest or Cross-Chest harness style
- Choice of Qwik-Fit or Tongue Buckle leg straps
- Optional front attachment loops for climbing, personnel riding, or rescue applications



ArcSafe Cross-Chest Harness

ArcSafe Vest-Style Harness

### ArcSafe Chest-Style Harnesses

All styles include Back Web Loops

Part No.	SIZE		LEG BUCKLES		ATTACHMENT POINTS		Integral Shock Absorber	Belt Loops
	STD	XLG	Qwik-Fit	Tongue	Hip	Front		
10070459	X			X	X			X
10070460		X		X	X			X
10070463	X			X	X	X		
10070464		X		X	X	X		
10070467	X			X	X		X	
10070468		X		X	X		X	
10070471	X		X		X	X		
10070472		X	X		X	X		
10070475	X			X				
10070476		X		X				
10070479	X			X			X	X
10070480		X		X			X	X
10060114	X		X			X	X	
10060115		X	X			X	X	
10060110	X		X			X		
10060111		X	X			X		
10060105	X		X				X	
10060106		X	X				X	
10060101	X		X					
10060102		X	X					
10074530	X		X		X			
10074561		X	X		X			
10074564	X		X		X		X	
10074565		X	X		X		X	

### ArcSafe Vest-Style Harnesses

All styles include Back Web Loops and Qwik-Fit Chest Strap

Part No.	SIZE		LEG BUCKLES		ATTACHMENT POINTS		Integral Shock Absorber	Belt Loops
	STD	XLG	Qwik-Fit	Tongue	Hip	Front		
10070423	X			X	X	X		
10070424		X		X	X	X		
10070427	X			X				
10070428		X		X				
10070431	X		X					
10070432		X	X					
10070435	X		X				X	
10070436		X	X				X	
10070439	X		X		X	X		
10070440		X	X		X	X		
10070443	X		X		X			
10070444		X		X	X			
10070447	X			X		X	X	X
10070448		X		X		X	X	X
10070451	X			X	X			X
10040425		X		X	X			X



# Harness Accessories

## MISCELLANEOUS HARNESS ACCESSORIES

A Back Pad (P/N 507144) snaps into the hip D-rings of Pullover and Vesttype Harnesses and adds additional lower lumbar support while work positioning. Shoulder pad (P/N 10028444) may be snapped around the shoulder straps and under the back D-ring pad of the harness to add comfort.

Part No.	Description
505318	Lanyard Connector Adapter, nylon, 1 D-ring, 18" (Back D-Ring Extension)
507119	Lanyard Pouch with hook and pile fastener
507144	Economic Back Support Pad, nylon
507147	Comfort Pads for shoulders or thighs
SSB30074039	Comfort Pad, nylon, black, size Small to Medium
SSB30074040	Comfort Pad, nylon, black, size Large to Extra Large
507158	Protective D-ring cover
10043147	Double D-ring Extension

## BOSUN CHAIR

The Bosun Chair is the best method to sit suspended for long durations. The padded seat ensures your comfort during use. The adjustable web assembly ensures security. Designed to be used in conjunction with our Full Body Harnesses, the Bosun Chair, attached to the chest D-ring, will keep the user in the upright position.

### Bosun Chair

Part No.	Description
SSH3505017	Bosun Chair, 5"x16-1/2" padded seat, black nylon straps, 2 carabiners

## EQUIPMENT BAGS

Part No.	Description
507149	Tripod carrying bag 8 ft
507180	10 ft Tripod bag
507151	Dynevac, Lynx Rescuer, Dyna-Hoist, Lynx Hoist, Dyna-Lock carrying bag
507405	RCD Large tote bag
10026396	Small MSA FP duffle bag
10001422	Tote bag for Roofers' Kit
10052287	MSA FP Aerial Kit Bag



Part No. 10001422



Part No. 10052287



Part No. 507405

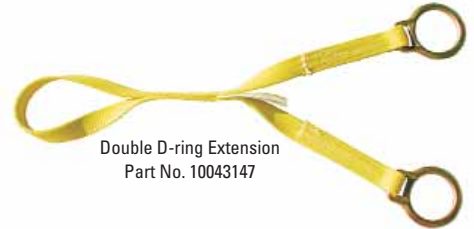
Comfort Pads  
Part No. 507147



Back Pad  
Part No. 507144



Lanyard Connector Adapter  
Part No. 505318



Double D-ring Extension  
Part No. 10043147



Bosun Chair  
Part No. SSH3505017

## BODY BELTS

MSA lightweight body belts are used for travel restriction or work positioning. Body belts are available in nylon or polyester webbing. Unique single pass friction buckles allow for a wide range of waist adjustment while tongue buckles adjust to a specific waist size. A 3 or 4 inch wide body pad is available on most models for additional comfort while work positioning. D-rings are available on the back of the belt for travel restriction and on the hips for work positioning. Multi-purpose body belts include a 3-inch wide body pad and seat strap which provides for additional comfort while work positioning for long periods of time.

Part No.	Description & Size
502510	Nylon, single pass (Standard size), 3" body pad, 1 fixed D-ring
502516	Nylon, single pass (Standard size), 1 floating D-ring
502517	2 floating D-rings
502531	Nylon, single pass (Standard size), saddle belt for tree trimmers
502643	Nylon, single pass (Standard size), 1 fixed D-ring
502593	2 fixed D-rings
415275	Nylon, tongue buckle, 3" body pad, 2 fixed D-rings, size Large
415276	size Medium
415289	Nylon, tongue buckle, 3" body pad, 1 fixed D-ring, size Large
415290	size Medium
415301	Nylon, tongue buckle, 1 floating D-ring, size Large
415302	size Medium
415330	Nylon, tongue buckle, 1 fixed D-ring, size Large
415331	size Medium
415342	Nylon, tongue buckle, 2 fixed D-rings, size Large
415343	size Medium



**Part No. 415276**

- Tongue buckle nylon belt
- 2 fixed D-rings
- 3" body pad

### Body Belt Sizing Charts

Single Pass Buckle			
Specify	XSM	STD	XLG
Waist	21 – 31"	31 – 47"	41 – 55"

Tongue Buckle					
Specify	XSM	SML	MED	LGE	XLG
Waist	26 – 35"	32 – 41"	36 – 45"	40 – 49"	44 – 53"

## SHOCK-ABSORBING LANYARDS

Energy-absorbing lanyards are a component of a personal fall arrest system. They provide a means of connection between the back (dorsal) D-ring of MSA full body harnesses and a qualified anchorage and anchorage connector. The energy absorber keeps fall arrest forces below ANSI and OSHA limits and deceleration distance is controlled to a maximum of 42 inches. The lanyard is available in strap, rope, and wire rope configurations with a variety of snaphooks.

### THERMATEK™ SHOCK-ABSORBING LANYARD

The Thermatek shock-absorbing lanyard was specifically designed to take the heat and for use in the welding industry. This specialized shock absorbing lanyard features:

- Tuffweld protective cover on the shock absorber that is superior to Nomex
- Resistance to charring and burning
- Unique shock absorber design that incorporates a Kevlar back-up strap
- Thermatek 12 lanyard model is designed to arrest a free-fall up to 12', and keep fall arrest forces below OSHA limits



Thermatek 6  
Shock Absorbing Lanyard  
Part No. 10023485



### Thermatek Shock Absorbing Lanyards

Part No.	Model	Harness Connection	Anchorage Connection
10023485	Thermatek 6 lanyard	HL2000	HL2000
10026049	Thermatek 6 lanyard	RL20	RL20
10026048	Thermatek 12 lanyard	HL2000	HL2000
10026060	Thermatek 12 lanyard	RL20	RL20

# Shock-Absorbing Lanyards

## “NO METAL ABOVE THE WAIST” SHOCK-ABSORBING LANYARD

The “No Metal Above the Waist” shock absorbing lanyard was specifically designed to work in conjunction with the “No Metal Above the Waist” harness, which was designed for the utility industry worker. To maintain the “No Metal Above the Waist” configuration, this shock absorbing lanyard has a 9” sewn loop on one end which attaches to the back (dorsal) attachment point on the “No Metal Above the Waist” harness.

### “No Metal Above the Waist” Shock Absorbing Lanyard

with Dyna-Brake, polyester 1” strap, fixed 6’ length

Part No.	Harness Connection	Anchorage Connection	Twin-Leg
501580	Sewn Loop	RL20	
501581	Sewn Loop	(2) RL20	X



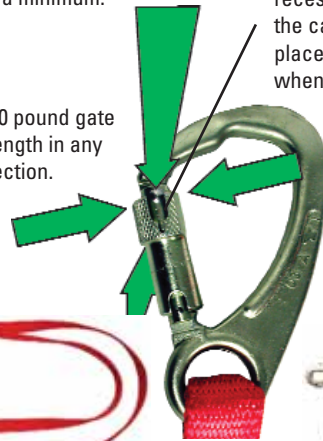
## FP5K™ TIE-BACK SHOCK-ABSORBING LANYARD

- Uses the FP5K Carabiner, a new Tie-back lanyard connector
  - 5000 pound gate strength in any direction allows the FP5K Carabiner to be tied back directly to the lanyard
  - Unique carabiner body shape helps avoid confusion with standard connectors not designed for tie-back applications
  - FP5K carabiner design allows for maximum clearance inside the body of the carabiner (1” Gate Opening)
- Available in web or cable version
- Web version utilizes Monster-Edge™ Webbing with 12,000 pound minimum breaking strength
  - Monster-Edge webbing is designed for increased abrasion resistance
  - Internal wear indicator consists of two yellow threads that, when visible, alert a user as to when the lanyard should be removed from service due to severe abrasion
- Utilizes the Sure-Stop Shock Absorber to keep fall arrest forces below 900 lbs
- Available in both single and twin-leg configurations
- Meets OSHA regulations, ANSI A10.14 & ANSI Z359.1, and is CSA certified.

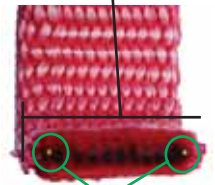
### FP5K CARABINER

The outer side of the gate has a knurled surface to provide a secure grip on the gate when opening. The inner side of the gate has flattened edges to keep lanyard/gate contact at a minimum.

5000 pound gate strength in any direction.

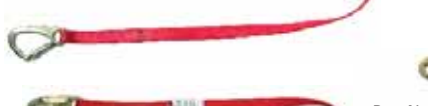


Section of Monster Edge Webbing



Internal wear indicator

Specially designed safety recess inside the body of the carabiner provides a place for the lanyard to rest when tied back.



Part No.	Description
10047084	FP5K Tie-Back Lanyard, Nylon Web, 6’ Adjustable Length, with HL2000 snaphook on one end and FP5K Carabiner on the other end
10047085	Twin-leg FP5K Tie-Back Lanyard, Nylon Web, 6’ Adjustable Length, with HL2000 snaphook in center (attaches to back D-ring) and FP5K Carabiners on each leg.
10047086	FP5K Tie-Back Lanyard, Cable, 6’ Fixed Length, with HL2000 snaphook on one end and FP5K Carabiner on the other end
10047087	Twin-leg FP5K Tie-Back Lanyard, Cable, 6’ Fixed Length, with HL2000 snaphook in center (attaches to back D-ring) and FP5K Carabiners on each leg
10052549	FP5K Tie-Back Lanyard, Nylon Web, 6’ Adjustable Length, with LS snaphook on one end and FP5K Carabiner on the other end
10052611	Twin-leg FP5K Tie-Back Lanyard, Nylon Web, 6’ Adjustable Length, with LS snaphook in center (attaches to back D-ring) and FP5K Carabiners on each leg.
10056762	FP5K Tie-Back Restraint Lanyard, Nylon Web, 5’ Adjustable Length, with LS snaphook on one end and FP5K Carabiner on other end
10056763	Twin-leg FP5K Tie-Back Restraint Lanyard, Nylon Web, 5’ Fixed Length, with LS snaphook in center (attaches to back D-ring) and FP5K Carabiners on each leg



## RESTRAINT LANYARDS

Restraint lanyards are primarily used for travel restriction and work positioning. Lanyards for travel restriction are used to restrain a worker from reaching a fall hazard. Lanyards for work positioning are used for stabilizing a worker at an elevation. They can be ordered in fixed or adjustable lengths. Each lanyard comes with a forged steel, zinc-plated self-locking snaphook attached to each end. Meets ANSI and OSHA standards. Models with CSA part numbers are CSA certified.

### Restraint Lanyards with 1-inch strap

Part No.	Nylon	Harness Connection	Anchorage Connection	LENGTH		TYPE	
				6'	10'	Adjustable	Fixed
415100	X	HL2000	HL2000		X	X	
505088	X	HL2000	HL2000	X		X	
505097	X	HL2000	HL2000	X			X

### Restraint Lanyards with 5/8-inch nylon rope

Part No.	CSA Part No.	Harness Connection	Anchorage Connection	LENGTH		TYPE	
				6'	Adjustable	Fixed	
505166		HL2000	HL2000	X			X
505202	415716	RL20	RL20	X	X		



### Restraint Lanyards with 1/2-inch nylon rope

Part No.	Harness Connection	Anchorage Connection	LENGTH		TYPE	
			6'	Adjustable	Fixed	
505200	RL20	RL20	X			X
505201	RL20	RL20	X	X		



### Restraint Lanyard with 7/32-inch cable, vinyl coated, fixed 5 ft length

Part No.	Harness Connection	Anchorage Connection
505063	HL2000	HL2000



## RESTRAINT LANYARDS WITH SEWN LOOP



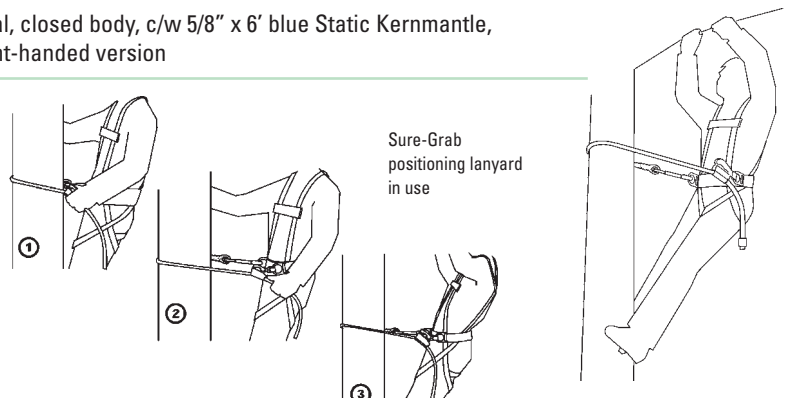
Part No.	Description
505165	Lanyard, nylon, sewn loop one end, HL2000 snaphook on other end, 6 ft, fixed length
505194	Lanyard, nylon, sewn loop one end, RL20 snaphook on other end, 6 ft, fixed length

## SURE-GRAB™ POSITIONING LANYARD

Part No.	Description
SNYL537DH306	Sure-Grab positioning lanyard, manual, closed body, c/w 5/8" x 6' blue Static Kernmantle, chrome-locking swivel snaphook, left-handed version
SNYR537DH306	Sure-Grab positioning lanyard, manual, closed body, c/w 5/8" x 6' blue Static Kernmantle, chrome-locking swivel snaphook, right-handed version



### Sure-Grab Positioning Lanyard Applications



# Anchorage Connectors

## ANCHORAGE CONNECTORS

- Have a minimum breaking strength of 5,000 lb.
- Compatible for use with MSA fall arrest and confined space entry/retrieval components
- Meets ANSI Z359.1, ANSI A10.14, and OSHA standards



Thermatek Anchorage Connector Strap Part No. 10023487

### Thermatek™ Anchorage Connector Strap

- Kevlar webbing and stitching
- Contrasting colors of webbing and stitching allows for easier inspection
- Includes replaceable wear pad to protect webbing from abrasion
- Heat and burn resistant

### Anchorage Connector Chain

- Temporary anchorage connector
- Useful near sharp edges or in high heat environments



Anchorage Connector Chain Part No. 10003206

### Wire Clasp

- 3 sizes available to accommodate a wide range of structures
- Easy, simple installation



Wire Clasp Part No. 10003208



Boom-Belt Part No. SSB22040

### Boom Belt

- Attaches to boom arm
- Adjustable
- Allows for quick & easy installation

### Anchorage Cable Sling

- Standard lengths of 2', 4', and 6', custom lengths available
- Vinyl Coated
- 1/4" Galvanized Cable



Anchorage Cable Sling Part No. SFP3267504

Suretyman Anchorage Sling Part No. SFP2267404



### Suretyman™ Anchorage Sling

- 1" nylon tube webbing sewn into an endless loop
- Available in 2', 4', and 6' lengths
- Can be hitched to an anchorage point using various configurations

### Rail-Slider™

- Provides fall protection during horizontal movement on railway bridges
- Quick and easy installation
- 2 sizes available



Rail-Slider Part No. SFPRS6000

Part No.	Description
10003206	Anchorage connector chain
10003207	Small wire clasp - 3 1/8" diameter
10003208	Medium wire clasp - 4 1/8" diameter
10003209	Large wire clasp - 5 1/2" diameter
10023487	Thermatek anchorage connector strap
10026763	Replacement wear pad for Thermatek anchorage connector strap
SSB22040	Boom belt, 1-3/4" nylon webbing, adjustable, one size fits all
SFP2267402	Suretyman anchorage sling, 2' length
SFP2267404	Suretyman anchorage sling, 4' length
SFP2267406	Suretyman anchorage sling, 6' length
SFP3267502	Anchorage cable sling, 2' length
SFP3267504	Anchorage cable sling, 4' length
SFP3267506	Anchorage cable sling, 6' length
SFPRS6000	Rail-Slider, steel, galvanized, for 80 - 136 # rail, used on train/crane type rail, [carabiner required - sold separately (see page 22)]
SFPRS7000	Rail-Slider, steel, galvanized, for 175 # rail, used on train/crane type rail, [carabiner required - sold separately (see page 22)]
SFPRS8000	Rail-Slider, steel, galvanized, for 171 # rail, used on train/crane type rail, [carabiner required - sold separately (see page 22)]
10030608	Rail-Slider, steel, galvanized, for 141 # rail, used on train/crane type rail, [carabiner required - sold separately (see page 22)]

## CARABINERS

MSA offers a wide variety of carabiners for almost every application. All carabiners have a minimum breaking strength of 5,000 lbs.



- Part No. 506259
- 7/8" (22mm) gate opening
  - Autolocking
  - Aluminum



- Part No. 506572
- 7/8" (22mm) gate opening
  - Autolocking
  - Steel



- Part No. 506308
- 2" (50mm) gate opening
  - Autolocking
  - Steel



- Part No. SRCC734G
- 2.1" (52mm) gate opening
  - Autolocking
  - Steel



- Part No. SRCC413
- 9/16" (14mm) gate opening
  - Autolocking
  - Steel



- Part No. SRCA613
- 3/4" (19mm) gate opening
  - Autolocking
  - Aluminum



- Part No. SRCA853
- 1" (25mm) gate opening
  - Autolocking
  - Aluminum



- Part No. SRCC641
- 1.2" (32mm) gate opening
  - Screwgate
  - Steel

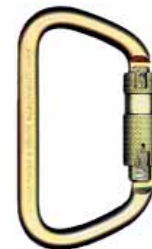


- Part No. SRCC643
- 1" (25mm) gate opening
  - Autolocking
  - Steel

Part No.	Description
506259	Carabiner, 7/8" (22 mm) gate, twist lock, aluminum
506572	Carabiner, 7/8" (22 mm) gate, twist lock, steel
506308	Carabiner, 2" (50 mm) gate, twist lock, steel
SRCC413	Carabiner, 9/16" (14 mm) gate (small), autolocking, steel, with captive eye
SRCA613	Carabiner, 3/4" (19 mm) gate (medium), autolocking, aluminum
SRCA853	Carabiner, 1" (25 mm) gate (medium), autolocking, aluminum
SRCC643	Carabiner, 1" (25 mm) gate (large), autolocking, steel
SRCC734G	Carabiner, 2.1" (52 mm) gate (extra large), autolocking, steel
SRCA722	Carabiner, 2.1" (52 mm) gate (extra large), autolocking, aluminum
SRCC963	Carabiner captive eye, autolocking, steel
SRCC641	Carabiner, large D design, 1.2" (32 mm) gate, screwgate, steel
SRCC642	Carabiner, large D design, 1.2" (32 mm) gate, auto-locking, steel
SRCC202	Carabiner, offset D design, 1" (25 mm) gate, super-safe, steel
SRCC740	Carabiner, offset D design, 2" (50 mm) gate, auto-locking, steel



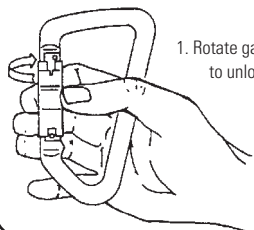
- Part No. SRCC740
- 2" (50mm) gate opening
  - Autolocking
  - Steel



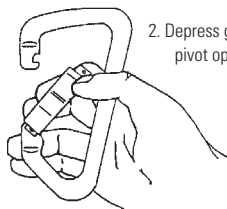
- Part No. SRCC642
- 1.2" (32mm) gate opening
  - Autolocking
  - Steel
  - NFPA Approved

### Locking and Unlocking Carabiners

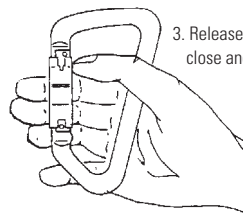
ALWAYS CHECK THAT GATE IS SECURELY LOCKED BEFORE USE.



1. Rotate gate 90° to unlock



2. Depress gate to pivot open



3. Release gate to close and lock



# Confined Space Equipment

## CONFINED SPACE EQUIPMENT

MSA confined space entry/retrieval systems are designed for fall arrest, lifting and lowering, rescue, and work positioning applications. They incorporate an anchorage connector, fall arrest component (Dyna-Lock, Dynevac II, Lynx Rescuer), a personnel and materials handling hoist (Lynx Hoist) and associated hardware to rig the system for use. The systems can be used for leading edge work, maintenance and entry/retrieval from manholes, tank cars, silos, tanks, vaults, pits, vats and other confined space applications.

### LYNX™ RESCUER, FIELD RESETTABLE MODEL WITH LOCKOUT

- Self Retracting Lanyard with emergency retrieval capabilities
- User is able to reset device from retrieval mode to fall arrest mode
- The easiest, quickest field-reset mechanism on the market
- Same unit can be used in the field and for training situations
- Lock feature with key allows more control over who can reset unit to fall arrest mode
- Confined space entry provides fall arrest and emergency lifting and lowering
- Meets ANSI Z359.1, and all applicable OSHA standards, and is CSA certified

Part No.	CSA Part No.	Description
10011744	10023016	50 ft (16m) Self Retracting Lanyard with Emergency Rescuer, 3/16" diameter stainless steel line. With proper inspection, system may be reused after fall arrest and/or retrieval.
10011745	10023017	95 ft (30m) Self Retracting Lanyard with Emergency Rescuer, 3/16" diameter stainless steel line. With proper inspection, system may be reused after fall arrest and/or retrieval.
10013077		Replacement key



Lynx Rescuer  
Part No. 10011744

### LYNX™ TRIPOD

- Automatic hinge lock legs
- Constructed of three anodized aluminum legs and a zinc-plated carbon steel head
- Legs feature 1-1/4 in. incremental adjustment with positive locking pins
- Skid resistant feet with self-sharpening spikes

Part No.	Description
10022050	8' Lynx Tripod
10022051	10' Lynx Tripod

8' Lynx Tripod  
Part No.  
10022050



### CONFINED SPACE ACCESSORIES

Part No.	Description
501012	Bosun's chair, suspension seat, nylon, with spreader bar
506674	Pulley, swivel mount with pin
507002	Wristlets, nylon
505199	1/2" rope, nylon, thimble center, 6' each leg, RL20 snaphooks on each end, no spreader bar
507130	with 14" spreader bar
507131	with 22" spreader bar
507128	1/2" rope, nylon, thimble center, 6' each leg, HL2000 snaphooks on each end, 14" spreader bar
507159	1/2" rope, polyester, thimble center, 6' each leg, RL20 snaphooks on each end, 22" spreader bar

# Confined Space Equipment

## LYNX™ PERSONNEL/MATERIAL HOIST

- Designed for lifting, lowering, and positioning of personnel and materials
- Maximum work load of 310 lbs for personnel and 620 lbs for materials
- Anti-backlash crank handle with a lifting/lowering speed of 25 ft per minute
- Integral shock absorber
- Load-limiting clutch prevents overloading of hoist
- Emergency drive allows manual bypass of load-limiting clutch for extra lifting capacity in an emergency
- Primary gear backed up by two independent secondary brakes
- Air drive adapter enables powered lifting/lowering with optional air-powered drive assembly
- Meets ANSI Z359.1, and all applicable OSHA standards



Lynx Hoist  
Part No. 10016569



Side Mount Hoist  
Pulley/Bracket Assembly  
Part No. 506473



Air Drive Assembly  
Part No. 506420

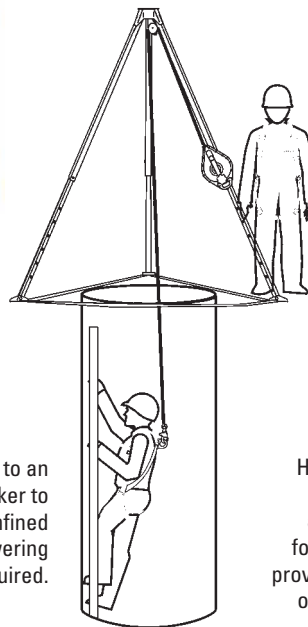


Sure-Strong  
Work Winch  
Part No.  
SCE1074021200

Part No.	Description
10016569	Side mount with emergency drive and air drive adapter, galvanized wire rope, 50'
10016568	105' length wire rope
10016567	Side mount with emergency drive and air drive adapter, stainless steel wire rope, 50'
10016566	105' length wire rope
10016683	Boom mount with emergency drive and air drive adapter, galvanized, 50'
10016682	105' length wire rope
10016681	Boom mount with emergency drive and air drive adapter, stainless steel, 50'
10016680	105' length wire rope
10016695	Socket mount with emergency drive and air drive adapter, galvanized, 50'
10016694	105' length wire rope
10016693	Socket mount with emergency drive and air drive adapter, stainless steel, 50'
10016684	105' length wire rope
506420	Lynx Hoist air drive assembly
506473	Lynx Hoist Side mount pulley/bracket assembly for Lynx Tripod
SCE1074021050	Sure-Strong work winch, 50 ft (15 m) galvanized wire rope, with bracket (compatible with Lynx Tripod and Sure-Strong Tripod)
SCE1074411200	Sure-Strong work winch, 200 ft (61 m) galvanized wire rope, with bracket (compatible with Lynx Tripod and Sure-Strong Tripod)

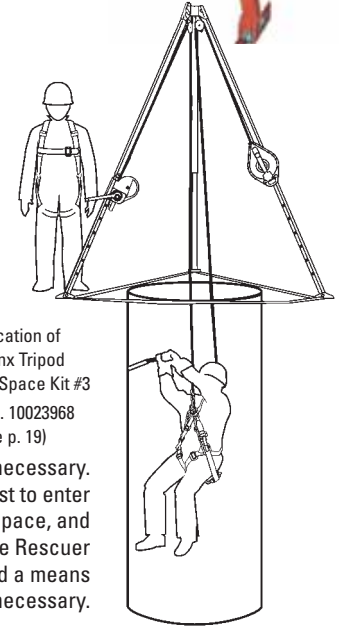


Lynx Boom Mount Hoist  
Part No. 10016683



Application of  
the Lynx Tripod  
Confined Space Kit #1  
Part No. 10023966  
(see p.19)

Hoist is not necessary due to an existing ladder for a worker to enter and exit the confined space. The raising or lowering of equipment is not required.



Application of  
the Lynx Tripod  
Confined Space Kit #3  
Part No. 10023968  
(see p. 19)

Hoist and Rescuer are necessary. A worker uses the Hoist to enter and exit the confined space, and for work positioning. The Rescuer provides fall protection and a means of non-entry rescue, if necessary.

# Confined Space Equipment

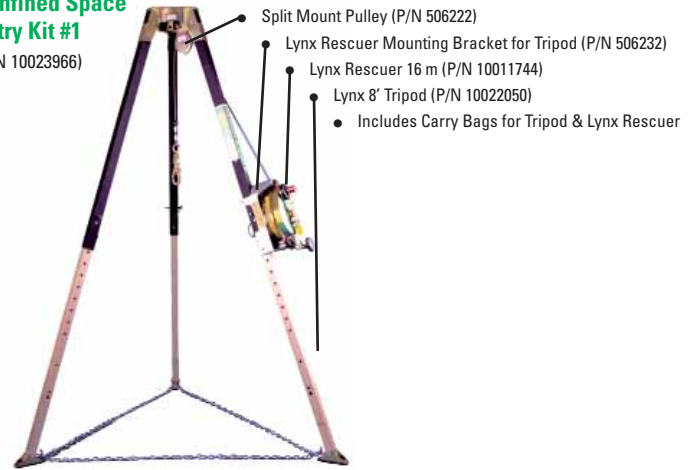
## CONFINED SPACE ENTRY KITS

Confined Space Entry Kits make it easy for you to order the Confined Space System which best suits your needs.

The Confined Space Entry Kits feature:

- 3 Tripod Kits and 2 Folding Davit Kits
- Single part number for simplified ordering
- Confined Space Kits with Lynx Rescuer allow for non-entry rescue of a confined space entrant
- Tripod and Davit Kits allow for great portability
- Training Video and Tripod Carrying Strap included within each kit

### Lynx™ Tripod Confined Space Entry Kit #1 (P/N 10023966)



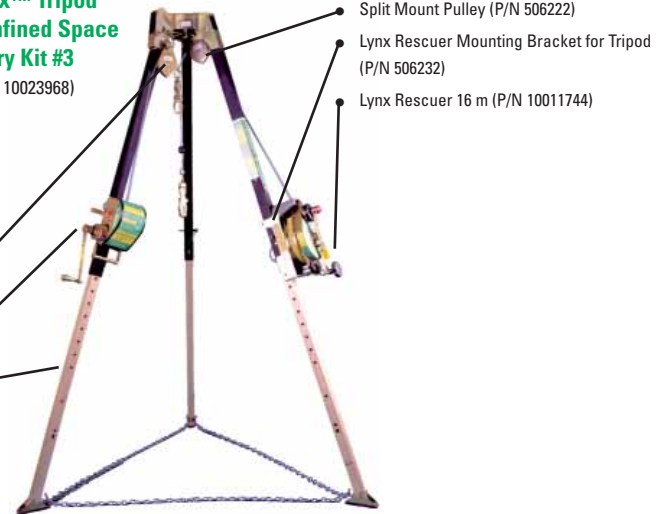
### Lynx™ Tripod Confined Space Entry Kit #2 (P/N 10023967)

- Pulley/Bracket Assembly (P/N506473)
- Side Mount Lynx Hoist, with 50' galv. line (P/N 10016569)
- Lynx 8' Tripod (P/N 10022050)
- Includes Carry Bags for Tripod & Lynx Hoist

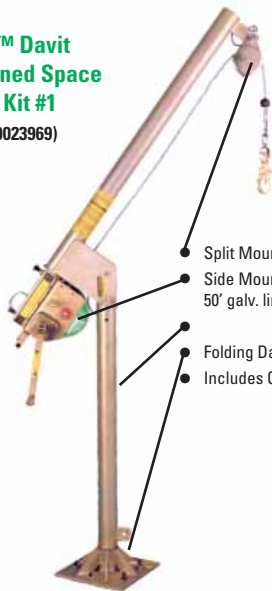


### Lynx™ Tripod Confined Space Entry Kit #3 (P/N 10023968)

- Pulley/Bracket Assembly (P/N506473)
- Side Mount Lynx Hoist, with 50' galv. line (P/N 10016569)
- Lynx 8' Tripod (P/N 10022050)
- Includes Carry Bags for Tripod, Lynx Rescuer, & Lynx Hoist



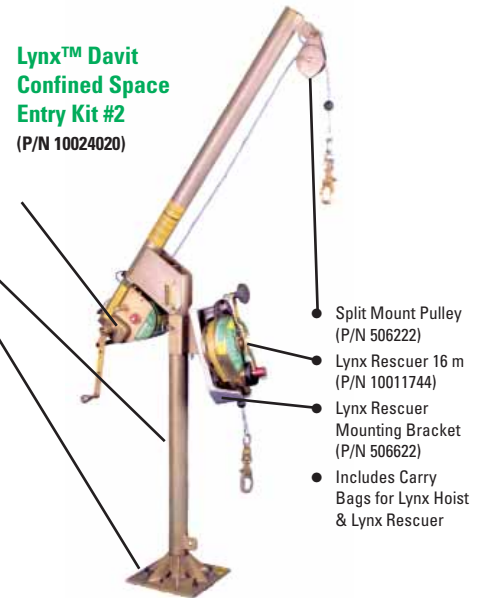
### Lynx™ Davit Confined Space Entry Kit #1 (P/N 10023969)



- Split Mount Pulley (P/N 506222)
- Side Mount Lynx Hoist, with 50' galv. line (P/N 10016569)
- Folding Davit Arm (P/N 506613)
- Folding Davit Base (P/N 506614)
- Includes Carry Bag for Lynx Hoist

### Lynx™ Davit Confined Space Entry Kit #2 (P/N 10024020)

- Side Mount Lynx Hoist, with 50' galv. line (P/N 10016569)
- Folding Davit Arm (P/N 506613)
- Folding Davit Base (P/N 506614)



Part No.	CSA Part No.	Description
10023966	10048472*	Lynx Tripod Confined Space Entry Kit #1
10023967		Lynx Tripod Confined Space Entry Kit #2
10023968	10048473*	Lynx Tripod Confined Space Entry Kit #3
10023969		Lynx Tripod Confined Space Entry Kit #2
10024020	10048474*	Lynx Tripod Confined Space Entry Kit #3
10007825		Confined Space Training Video



## DESCENT DEVICES

### ANTHRON DESCENDER

The Anthron Descent Controller is a manually operated controlled descent device. It is most commonly used for suspended work positioning, self evacuation, or rescue operations. The device utilizes a cam assembly that provides friction on the rope to hold a load, or allow the load to descend at a controlled rate. To begin descent, the user depresses the control lever on the Anthron. If the control lever is fully depressed in a panic situation, the descent will stop. In most applications, the Anthron operator attaches the rope end to an approved anchor and descends suspended from the device in an approved harness, or boson's chair. The Anthron can also be inverted so that the device is attached to an approved anchor, and the rope end is attached to an injured person. In this orientation, the injured person can be lowered while being controlled by a rescuer. Other features include:

- Proper roping/rigging diagrams on the side of the Anthron Descender
- Device can be installed/removed at any point on the rope
- Working load of 300 lbs (136 kg)
- System consists of a 7/16" (11mm) rope, the Anthron Descender, and 2 carabiners

To begin descent, the user depresses the control lever on the Anthron. If the control lever is fully depressed in a panic situation, the descent will stop. The descent will also stop if the control lever is released.

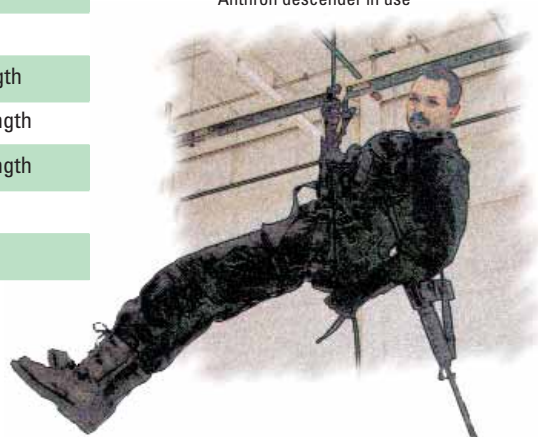


Anthron Descender  
Part No.  
SDSD25

Part No.	Description
SDC726050	Anthron system includes: Anthron descender, 2 carabiners, 50' rope
SDC726100	Anthron system includes: Anthron descender, 2 carabiners, 100' rope
SDC726150	Anthron system includes: Anthron descender, 2 carabiners, 150' rope
SDSD25	Anthron descender
SDC716050	Replacement rope, 7/16" (11 mm) Static Kermantle synthetic, 50' (16m) length
SDC716100	Replacement rope, 7/16" (11 mm) Static Kermantle synthetic, 100' (30m) length
SDC716150	Replacement rope, 7/16" (11 mm) Static Kermantle synthetic, 150' (45m) length
SRB431101	Rope/equipment bag, holds 300' (90 m) rope
SRB430301	Rope/equipment bag, #3 Cordura, orange, holds 300' (90 m) rope

Anthron Systems and Replacement Ropes available in lengths of 25' increments from 50' up to 600'

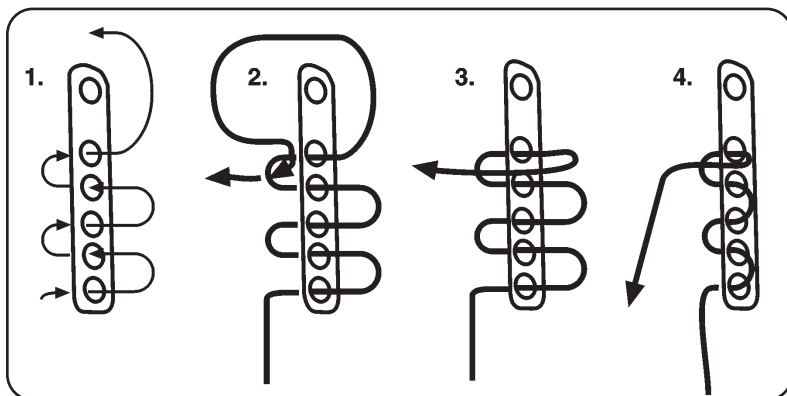
Anthron descender in use



## ROPE TERMINATION PLATE

The Rope Termination Plate is used to terminate a 5/8" (16 mm) diameter, 3 strand, double braid, or kernmantle rope lifeline. The plate provides a quick reusable field termination that eliminates the need for knots and factory terminations. Note: Requires connecting hardware. For proper termination of rope follow the four steps.

Part No.	Description
SRIW1000	Rope Termination Plate



Rope Termination Plate Part  
No. SRIW1000

# Rescue Equipment

## FP RESCUE™ PULLEYS

### SURETYMAN™ PULLEYS

The Suretyman line of Pulleys have been designed to meet the rigorous standards of the professional rescuer. Attention to detail such as high grade aluminum side plates and sheaves, oilite bearings, stainless steel bolts, washers and lock nuts make these some of the best pulleys available. The aluminum side plates swivel and rotate to allow the pulley to be attached anywhere along the rope. The top holes of the side plates are large enough to accept three carabiners. We have standardized the Prusik design (squared corners of the side plates) to provide rope security with a Prusik hitch. Pulleys accept 3/8" (1cm) to 1/2" (1.3 cm) static kernmantle ropes. Side plates are powder coated. Strength: 2" (5 cm) Single or Double 8,100 lb (36 kN), 4" Single or Double 11,200 lb (49 kN).

### SURETYMAN™ STAINLESS STEEL PULLEY

The Suretyman Stainless Steel Pulley has a unique design that eliminates the need for a carabiner for attachment. A stainless steel detent pin with a locking feature locks the side plates. Size: 3.5" (9 cm). Strength: 8,960 lb (40 kN).

### SURETYMAN™ MINI KNOT PASSING PULLEY

The Suretyman Mini Knot Passing Pulley was designed for the professional rescue team concerned with size and weight. The Suretyman Mini Knot Passing Pulley features:

- Ample room for the passing of knots
- Aluminum sheave (that will not score like some of the plastic sheaves)
- Locking pin
- Half the size and weight of some of the larger, bulkier knot passing pulleys
- Size: 9-1/2" (24 cm) tall, 4" (10 cm) wide, 3" (7.6 cm) deep
- Weight: 1.9 lb (.89 kg)

### SURETYMAN™ EDGE ROLLER

The Suretyman Edge Roller, the best way to protect your rope from sharp edges and reduce rope friction. The edge roller has the same high quality construction as our Rescue Pulleys. The 6" x 10" (15.3 cm x 24.4 cm) base is rubber covered to reduce slippage. The bottom and side plate feature attachment holes for ease of security in any situation. We also added slots in the base plate to accept tube webbing for security. Two edge rollers are required (sold separately). Two quick links are required (sold separately).

Edge roller is 4" (10 cm) tall. Weight: 2.8 lb (1.3 kg).

### SURETYMAN™ RIGGING PLATES

The Stealth Rigging Plate's unique design is by an RQ3 Master Instructor. Anchor on the point and the wings will rotate toward the load for a straighter line of pull.

Material: aluminum. Weight: .46 lb (250 g). Strength: 11,000 lb (48 kN). Color: Teal.

The Stretcher Rigging Plate is designed for organizing litter rigging points. Your rigging becomes uncluttered and the chance of error is greatly reduced.

Material: aluminum. Weight: .74 lb (330 g). Strength: 12,200 lbf (54 kN). Color: Teal.

Part No.	Description
SPPPU8700	Suretyman Pulley, 2" (5 cm) single, Std/Prusik, orange, aluminum, weight: .54 lb (230 g)
SPPPU8710	Suretyman Pulley, 4" (10 cm) single, Std/Prusik, yellow, aluminum, weight: 1.2 lb (545 g)
SPPPU8708	Suretyman Pulley, 2" (5 cm) double, Std/Prusik, orange, aluminum, weight: .83 lb (375 g)
SPPPU8717	Suretyman Pulley, 4" (10 cm) double, Std/Prusik, orange, aluminum, weight: 1.8 lb (840 g)
10030391	Suretyman Pulley, single, stainless steel
SPPPU8720	Suretyman Mini Knot Passing Pulley, yellow, weight: 1.9 lb (.89 kg)
SPPRL4000	Suretyman Edge Roller, aluminum, weight: 2.8 lb (1.3 kg) - [two required]
SMI420560	Quick Link 5/16" (8 mm) for use with Suretyman Edge Roller - [two required]
SRSPR5990	Suretyman Stealth Rigging Plate, aluminum, teal
SRSPR5980	Suretyman Stretcher Rigging Plate, aluminum, teal



## FP RESCUE™ COMPONENTS

### MSA RESCUE CARABINERS

- Traditional Large “D” design
- Developed for fire and rescue communities
- Certified to meet NFPA 1993-1995, Class “G”
- The RCC642 auto-locking model meets ANSI Z359.1-1992
- Carbon steel, zinc-plated
- Gate opening 1.2” (32 mm)
- Weight approximately 11 oz (311 g)
- Strength 12,364 lb (55 kN)



- Part No. SRCC641
- 1.2” gate opening
  - Manual Locking
  - Steel



- Part No. SRCC642
- 1.2” gate opening
  - Autolocking
  - Steel

Additional carabiners and carabiner information can be found on page 15.

### FIREMAN HOOK CARABINER

- Unique side swing gate offers a greater gate opening compared to similar sized carabiners
- Meets ANSI Z 359.1-1992
- Carbon steel, zinc-plated
- Includes stainless steel captive bar (not installed)
- Gate opening 2” (50 mm)
- Weight approximately 13.7 oz (389 g)
- Strength 6,750 lb (30 kN)

- Part No. SRCC740
- 2” gate opening
  - Autolocking
  - Steel



### SURETYMAN™ RESCUE EIGHT

- Designed for the fire service, rescue, and police tactical operations
- Designed for rope diameters from 7/16” (11 mm) to 5/8” (16 mm)
- Available in aluminum or steel
- Weight 1.5 lb (675 g)
- Strength 6,720 lb (30 kN)

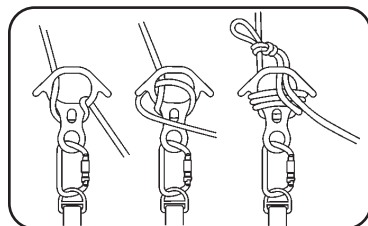
- Suretyman Rescue Eight, Steel  
Part No. SRSF5045



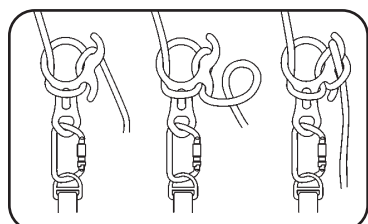
### SURETYMAN™ Q-EIGHT

- Ears/cleat are positioned to make tie off very easy and safe
- Ears/cleat still prevent larks footing (girth hitch)
- Designed for 7/16” (11 mm) diameter rope (will work with 1/2” (12 mm) diameter rope)
- Aluminum, anodized gold
- Strength 13,000 lbs (58 kN)
- Weight 8 oz (.24 kg)

- Suretyman Q-Eight  
Part No. SRSFFE2120

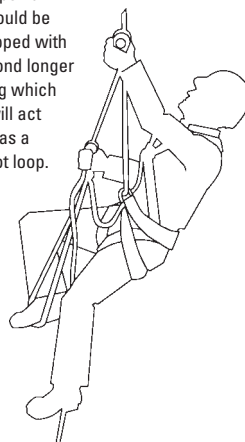


Locking off the Figure 8 descender



Locking off the Q-8

The lower Ropeman should be equipped with a second longer sling which will act as a foot loop.



The climber ascends the rope by standing in the foot loop.

### SURETYMAN™ HAND ASCENDER

- Machined from high grade aluminum alloy with a steel cam assembly
- Large hand grip/handle to ease operation
- Accepts ropes from 1/4” (7 mm) to 1/2” (12 mm)
- Can be attached to carabiners, ascender slings, or a combination
- Color coded Left/Right
- Strength 2,500 lb (11 kN)
- Weight 13 oz (365 g)



Suretyman Hand Ascender (left)  
Part No. SRP210

Suretyman Hand Ascender (right)  
Part No. SRP220

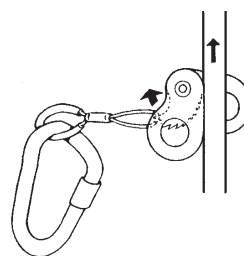
### THE ROPEMAN™ ASCENDER

- Smallest, lightest mechanical ascender on the market
- Revolutionary in the design of ascenders
- Aluminum side plates and cam
- Used in conjunction with a carabiner
- Weight 3.5 oz (100 g)



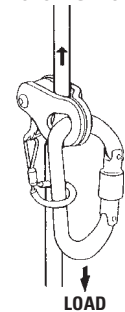
Ropeman Ascender  
Part No. SRSA1200

#### STABLE SECURE ANCHORAGE POINT



The load is applied using a locking Carabiner passed through both sideplates.

#### STABLE SECURE ANCHORAGE POINT



LOAD

Part No.	Description
SRCC641	Carabiner, 1.2” (32 mm) gate, steel
SRCC642	Carabiner, 1.2” (32 mm) gate, steel, auto-locking
SRCC740	Carabiner, 2” (50 mm) gate, steel, auto-locking
SRSF5045	Suretyman Rescue Eight, steel
SRSF5077	Suretyman Rescue Eight, aluminum
SRSFFE2120	Suretyman Q-Eight
SRP210	Suretyman Hand Ascender, left-hand
SRP220	Suretyman Hand Ascender, right-hand
SRSA1200	Ropeman ascender (requires carabiner)



# Rescue Equipment

## FP RESCUE™ ROPES

### STATIC KERNMANTLE ROPES

These ropes are 100% permanent solution dyed color with contrasting marker stripe. Superior flexibility and knotability, provided by a unique double-twist cable core construction, gives superior resistance to abrasion that is up to four times greater than other static kernmantle ropes. These ropes are designed with load absorbing capabilities to provide additional safety in the event a dynamic force is applied.

Part No.	Description
SRP323	3/8" (10 mm), polyester, 5,500 lb (2,495 kg), red/blue tracer
SRP508760	7/16" (11 mm), nylon, 6,500 lb (2,948 kg), black
SRP504860SL	1/2" (12 mm), nylon, 9,100 lb (4,128 kg), white/orange tracer
SRP530961	1/2" (12 mm), polyester, 9,100 lb (4,128 kg), red
SRP508960	5/8" (16 mm), nylon, 13,000 lb (5,897 kg), black
SRP510660SL	3/8" (10 mm), nylon, 5,000 lb (2,269 kg), white/blue tracer
SRP544000	7/16" (11 mm), nylon, 6,000 lb (2,722 kg), olive
SRP504866SL	1/2" (12 mm), nylon, 9,000 lb (4,083 kg), blue/white tracer
SRP504863SL	1/2" (12 mm), nylon, 9,000 lb (4,083 kg), red/white tracer

All ropes are ordered by the foot.

### ROPE IDENTIFICATION SYSTEM

7/16" & 1/2" ropes listed at left will meet NFPA standards with the addition of the Rope Identification System. This system consists of a special label that carries all necessary NFPA information and a serial number. The serial number is attached to the rope by a shrink wrap. The shrink-wrapped serial number provides traceability if the label is ever lost, so a new label can be issued. The Rope Identification System must be ordered with the rope. Please specify these part numbers with your rope order if you require a rope that meets the NFPA standard.

Part No.	Description
SRS598016	1/2" (12 mm) NFPA Life Safety Rope Tag, with serial number, shrink tube
SRS598012	7/16" (11 mm) NFPA Life Safety Rope Tag, with serial number, shrink tube

Only 1 required per rope. Must be ordered as part of rope. Cannot be ordered as separate line item.

### ROPE STORAGE BAGS

Rope Storage Bags are made of tough Cordura nylon fabric. Features include a drawstring top, handle/shoulder strap, and carabiner loops at top and bottom. In the bottom of the bag there is an inside loop for the end of the rope, or it can pass through the bottom grommet. Available in orange and black colors.

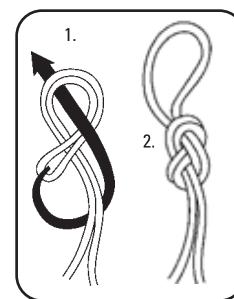
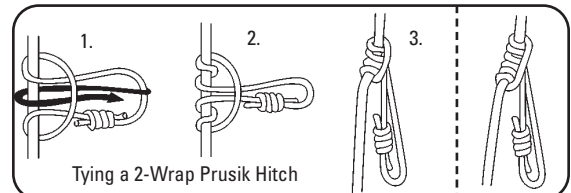
Part No.	Description
SRB430101	Rope Bag #1, orange, holds 120 ft / 1/2" (36.6m / 12 mm) rope
SRB430105	Rope Bag #1, black, holds 120 ft / 1/2" (36.6m / 12 mm) rope
SRB430201	Rope Bag #2, orange, holds 200 ft / 1/2" (60.1m / 12 mm) rope
SRB430205	Rope Bag #2, black, holds 200 ft / 1/2" (60.1m / 12 mm) rope
SRB430301	Rope Bag #3, orange, holds 300 ft / 1/2" (91.4m / 12 mm) rope
SRB430305	Rope Bag #3, black, holds 300 ft / 1/2" (91.4m / 12 mm) rope
SRB430601	Rope Bag #6, orange, holds 600 ft / 1/2" (182.8m / 12 mm) rope
SRB430605	Rope Bag #6, black, holds 600 ft / 1/2" (182.8m / 12 mm) rope
SRB431101	Rope/Equipment Bag, orange
SRB4400	Emergency Rescue Bag, red



### PRUSIK & ACCESSORY CORDS

Prusik cords have the same high quality and long wear design as rescue ropes. Size selection should be based upon diameter of the main line. The flexible cord is both strong and highly resistant to abrasion. Prusik cords and accessory cords are identical.

Part No.	Description
SRP500500	5 mm Accessory Cord, nylon, 1,275 lb (578 kg) strength
SRP5020550	5.5 mm Titian™ Cord, Spectra™ Core, 4,500 lb (2,042 kg) strength
SRP500700	7 mm Accessory Cord, nylon. Use with 3/8"-1/2" (1cm-1.3cm) main line, red, 2,600 lb (1,179 kg)
SRP500860	8 mm Accessory Cord, nylon. Use with 1/2"-5/8" (1.3cm-1.6cm) main line, black, 3,100 lb (1,406 kg)
SRP500900	9 mm Accessory Cord, nylon. Use with 1/2"-5/8" (1.3cm-1.6cm) main line, 3,600 lb (1,632 kg)



Tying a 3-Wrap Prusik Hitch





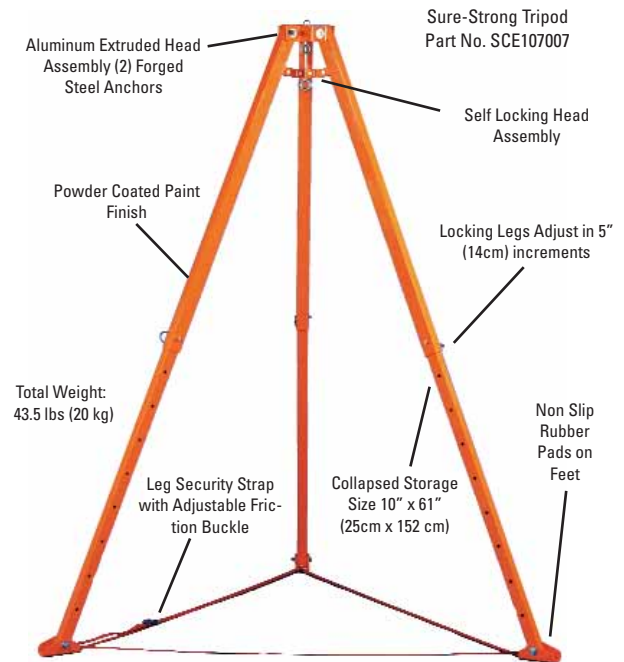
## FP RESCUE™ TRIPODS

### SURE-STRONG™ TRIPODS

Sure-Strong Tripods feature:

- Adjustable aluminum legs
- Two forged steel anchor eyes in head assembly
- Head assembly prevents unintentional collapse of tripod
- Legs adjust and lock individually to accommodate variable anchor heights, uneven ground, and compact storage
- Leg security strap prevents legs from spreading in the event of excessive loading
- Available with a cordura nylon storage bag
- Rated for 2 people with a working load of 1,100 lbs

Part No.	Description
SCE107007	Sure-Strong 7 ft (2m) tripod, aluminum, 10,752 lb (48 kN)
SCE1074411200	Sure-Strong work winch, 200 ft (61m) galvanized wire rope, with bracket (compatible with Lynx Tripod and Sure-Strong Tripod)



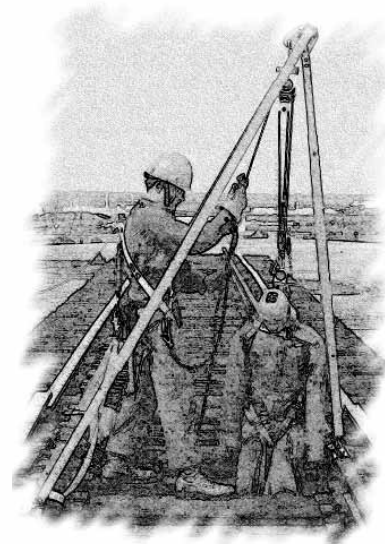
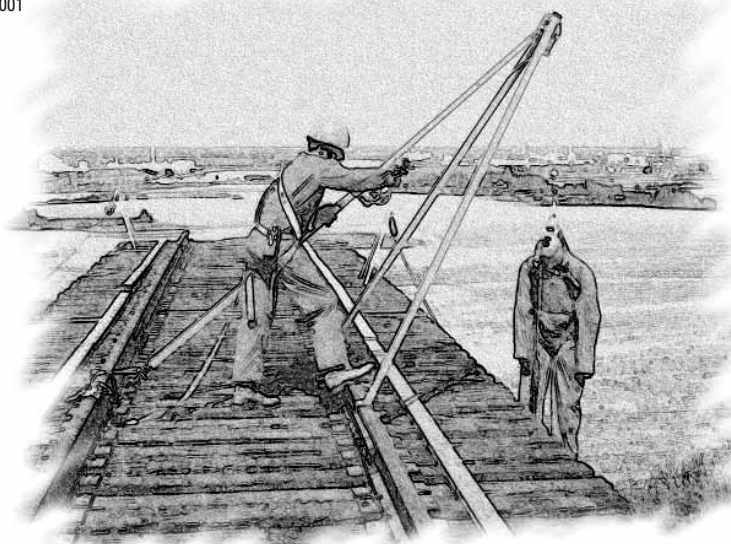
### BRIDGE RESCUE FRAME

The Bridge Rescue Frame is a portable emergency anchorage for retrieval of railway bridge workers from below the bridge deck. In most cases, the worker cannot be lowered; therefore, the anchor point must be above the level of the bridge deck and positioned in such a way that retrieval is possible. Aluminum construction.

Part No.	Description
SCE108001	Bridge rescue frame, standard configuration
SCE108015	Bridge rescue frame, optional rail connector for tripod configuration

Can be used with Sure-Strong hoist as well as Lynx Rescuer and Dynevac II (p.46-47) - Not compatible with Lynx hoist.

Bridge Rescue Frame, standard configuration  
Part No. SCE108001



Bridge Rescue Frame, Tripod Configuration  
Part No. SCE108015

# Rescue Equipment

## FP RESCUE™ MECHANICALS

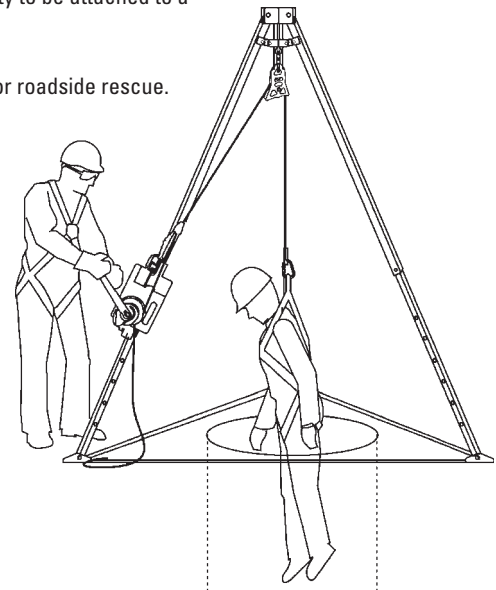
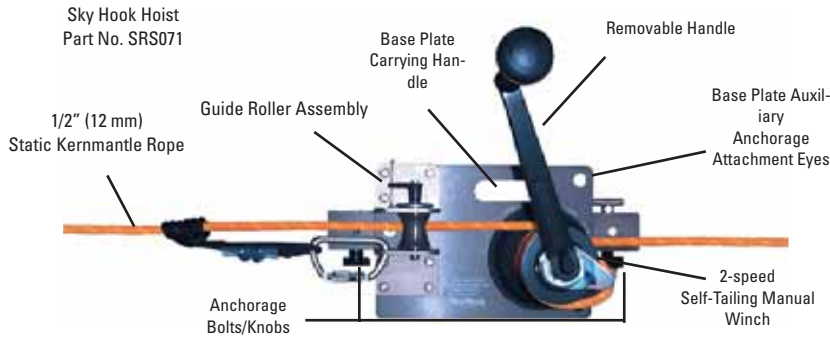
### SKY HOOK HOIST/SYSTEM

The Sky Hook Hoist/System was designed to simplify confined space and remote rescues requiring a device with lifting and lowering capability. The heart of the system is a two-speed, self-tailing, manual winch with a removable handle for compact storage. The Sky Hook hoist utilizes any length of standard 1/2" (12 mm) static kernmantle rope used throughout the rescue and fire department community. The winch requires minimum maintenance providing a gear ratio of 2.2 to 1 and 6 to 1, and a power ratio of 13.5 to 1 and 40 to 1.

The base plate can connect quickly to the Sure-Strong or Lynx Tripod legs, but has the flexibility to be attached to a variety of structures via tiedown holes.

#### Optional Trailer Hitch Extension Bar

The Sky Hook Tripod System can be vehicle mounted (vehicle requires trailer hitch receiver) for roadside rescue. The Trailer Hitch Extension Bar can swing/articulate 90 degrees. Powder coated, black.



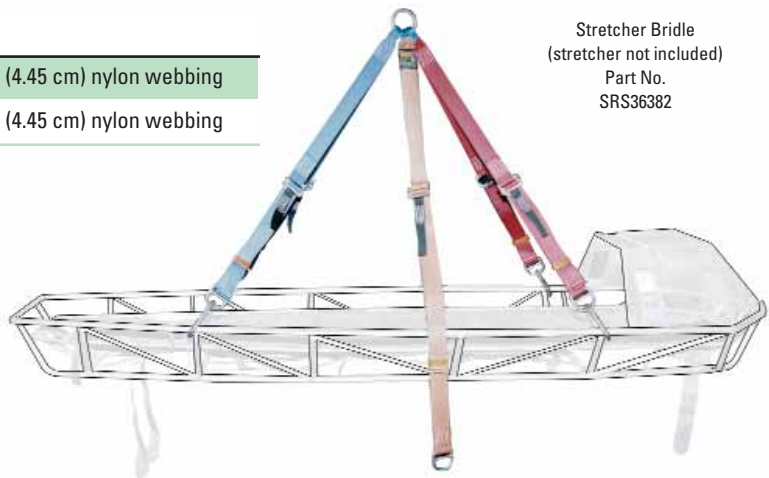
Maximum Lifting Capacity (Man Rated):  
600 lb/272 Kg  
Weight: 22 lb/10 kg  
Rope Length Capacity: Unlimited

Part No.	Description
SRS071	Sky Hook hoist, c/w capstan protective cover
SRS073	Trailer hitch extension bar for Sky Hook hoist

### STRETCHER BRIDLE

The Stretcher Bridle is made of 1-3/4" (4.45 cm) nylon webbing and is available in a 4-point bridle or a 5-point bridle version.

Part No.	Description
SRS36381	Stretcher Bridle, 5-point configuration, 1-3/4" (4.45 cm) nylon webbing
SRS36382	Stretcher Bridle, 4-point configuration, 1-3/4" (4.45 cm) nylon webbing



Stretcher Bridle  
(stretcher not included)  
Part No.  
SRS36382

## FP RESCUE™ PRODUCTS

### RESCUE CRADLES

The Rescue Cradle is available in two model types. The SRH30701 model is designed to allow easy placement on a person. Equipped with 4" (10 cm) polyester webbing and 4 - 3" (7.6 cm) D-rings. One size fits all.

The Rescue Cradle, model SRH30703, is designed to be very similar to the SRH30701 model, except it is constructed with 1 - 3/4" (4.4 cm) nylon webbing, 2" (5 cm) attachment ring, and an elastic shoulder strap.

Part No.	Description
SRH30701	Rescue Cradle, 4 D-rings, 4" (10 cm) polyester webbing
SRH30703	Rescue Cradle, 2" attachment ring, 1-3/4" (4.45 cm) nylon webbing



Rescue Cradle  
Part No.  
SRH30701

Rescue Cradle  
Part No.  
SRH30703

### RESCUE LADDERS

Our Rescue Ladders has synthetic rope with reinforced fiberglass rungs. Applications include: confined space access, theatrical stage rigging, mine access, and many others. Our steel cable ladder meets and exceeds the ESTA (Entertainment Services and Technology Association) ladder standard for stage work and theatrical rigging.

Part No.	Description
SCE400020	Rescue ladder, synthetic rope, 20 ft (6.1 m)

### RESCUE ETRIER

Etrier is French for a set of ascending web stirrups sewn or tied together. The Etrier is useful for stretcher tendering and other vertical activities including getting over difficult edges. The six-foot loops are reinforced/stiffened for easier foot placement and abrasion resistance.

Length: 7 ft (2.1 m). Weight: 9 oz (280 g).

Part No.	Description
SRS3200	Rescue Etrier, 1" web, 7 ft (2.1 m)



Rescue Ladder -  
Synthetic Rope  
Part No.  
SCE4000020



Rescue Etrier  
Part No.  
SRS3200

# Rescue Equipment

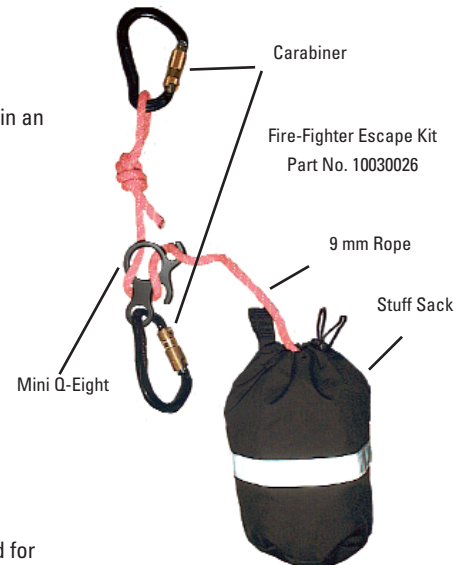
## FP RESCUE™ KITS

### FIRE-FIGHTERS ESCAPE KIT

The Fire-Fighters Escape Kit was created as a tool for emergency egress for a fire fighter trapped in an upper floor of a building. This kit is lightweight and easy to use.

Fire Fighters Escape Kit includes:

- 2 Suretyman aluminum auto-locking carabiners (P/N - SRCA853)
- 60 ft (18.3 m) 9mm rope (P/N - SRP500900)
- Mini Q-Eight
- Small stuff sack



Part No.	Description
10030026	Fire-Fighters Escape Kit

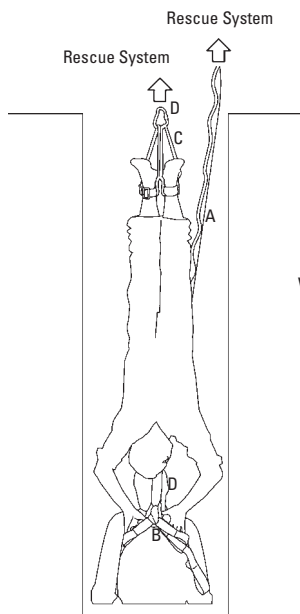
### CONFINED SPACE/HEAD FIRST EXTRACTION SYSTEM

The Confined Space/Head First Extraction System (HFES) is a specialized rescue product designed for those extreme cases where the rescuer has no other option, but to be lowered head first into a confined space to perform a rescue. These cases are rare, but can happen when someone has fallen into a restrictive confined space such as a well or drain system. The system allows the rescuer to be lowered comfortably into a confined space head first, harness the victim, and raise both victim and rescuer out of the confined space. This small, compact system can be used with any confined space retrieval equipment such as tripods and davits.

The HFES consists of the following components:

- Adjustable Lifting Strap (A)
- Adjustable Victim Strap (B)
- 1 Pair of Ankle Harnesses (C)
- 2 Carabiners (D)
- Storage Bag (E)

Part No.	Description
SRS3100	Confined space head first extraction system



Strength: 5,000 lb (22 kN)  
Weight Approx: 2 lb (0.9 kg)





## SURETYMAN™ RESCUE UTILITY SYSTEM

The Suretyman Rescue Utility System incorporates all the features professionals have come to expect from a first class rescue system. The system is primarily used for raising and lowering people or equipment in rescue and industrial work access and is ideal for confined space applications.

The Suretyman Rescue Utility System features:

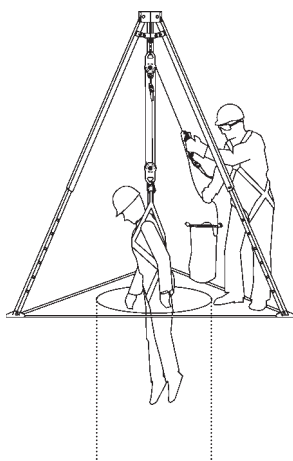
- Pulleys equipped with a built-in anti-reversing lock
- Only a 10 lb force is all that is required to hold a 220 lb (90 kg) load
- Suretyman ascender attached to both the operating rope and the user via a securing rope - if the operating rope accidentally releases, the ascender automatically stops the descent
- Rapid deployment
- Virtually maintenance free
- Rated for 2-person load
- Compact and light weight with a standard system weight of 17 lb (7.7 kg)
- Versatile for rescue & access
- Multi-purpose ascent or descent
- Rated capacity of 600 lb (272 kg) for personnel and materials
- Standard rope length of 200 ft (66m) with a maximum rope length of 800 ft (267m)

Part No.	Description
SRS15200	Suretyman Rescue Utility System (200' length)
10033360	Suretyman Rescue Utility System (600' length)
10038928	Suretyman Rescue Utility System (500' length)
10044225	Suretyman Rescue Utility System (420' length)
10037101	Replacement Left Hand Ascender with Securing Rope
10035698	Replacement Right Hand Ascender with Securing Rope

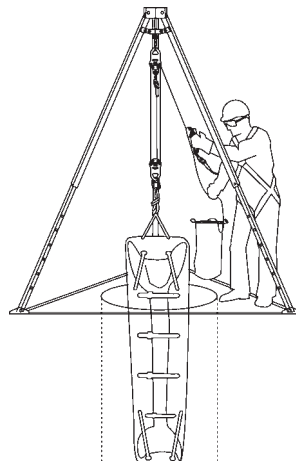
### PLEASE NOTE:

Due to a 4:1 mechanical advantage, the user should order the Rescue Utility System with 4 times the length of rope necessary for their application. For example, the 200' system listed above provides a 50' working length. A 800' system provides a 200' working length.

### Suretyman™ Rescue Utility System Applications



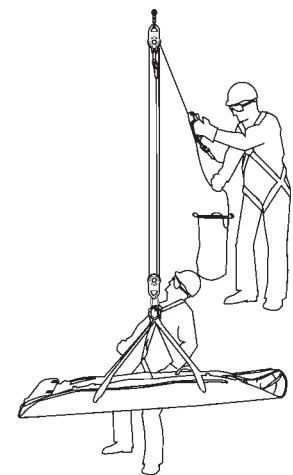
Suretyman Rescue Utility System can be used in conjunction with the Sure-Strong Tripod (p.76)



Suretyman Rescue Utility System can be used in conjunction with the Sure-Strong Tripod (p.76) and Sked Rescue System (p.82)



Suretyman Rescue Utility System can be used for self-rescue and/or victim rescue applications



Suretyman Rescue Utility System can be used in conjunction with the Sked Rescue System (p.82)



# Rescue Equipment

## SKED BASIC RESCUE SYSTEM

The best solution for confined space, high angle or technical rescue, and traditional land-based applications, the Sked stretcher is a revolutionary design which provides outstanding patient protection and security. The Sked stretcher comes equipped for horizontal hoisting by helicopter or vertical hoisting in caves or industrial confined spaces. When the patient is secured, the stretcher becomes rigid. The durable plastic provides protection for the patient while allowing extrication through the most demanding confined spaces. The stretcher is rolled for storage in a tough cordura backpack which is included in the system. The system ships at 19 lb (8.6 kg) and comes complete for most applications.

Each Sked Basic Rescue System comes complete with:

- Sked Stretcher
- Cordura backpack/towing harness
- Horizontal lift slings
- Vertical lift sling
- Tow strap
- Removable webbing handles



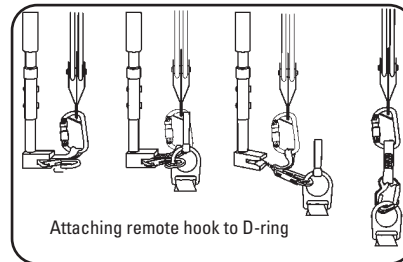
Sked Basic Rescue System  
Part No. SRSSK200

Part No.	Description
SRSSK200	Sked Basic Rescue System, International orange

## RESCUE POLE/REMOTE HOOK

The Rescue Pole/Remote Hook is designed as a rescue tool for the retrieval of a worker suspended in a fall arrest system or for remote rescue access. In most cases, the need for the rescuer to go to the fallen worker (victim) is limited. The Rescue Pole can be used in a wide variety of rescue applications and will serve as an excellent tool to help perform a safer, efficient rescue. The system consists of an adjustable fiberglass pole, pole adapter, and remote hook. A nylon storage bag is optional.

Part No.	Description
SFP675009	Adjustable pole, fiberglass 6 ft (1.8m) to 12 ft (3.6m)
SFP675012	Adjustable pole, fiberglass 8 ft (2.4m) to 24 ft (7.3m)
SRCA401	Remote hook, aluminum, with web sling
SCE109001	Pole adapter, aluminum/rubber
SCE109003	Pole adapter, 6 ft (1.8m), aluminum/rubber
SRB675009	Storage bag for FP675-009



Attaching remote hook to D-ring



Pole Adapter  
Part No. SCE109001

Remote Hook  
Part No. SRCA401

Storage Bag  
Part No. SRB675009

Adjustable Pole  
Part No. SFP675009

## EMERGENCY RESCUE BAG SYSTEM

The Emergency Rescue Bag System is designed for rescue on electrical and communication towers. Developed for use in restrictive environments, this extremely lightweight system was primarily designed for tower rescue; however, the system can be used to perform rescues on almost any vertical structure. The Emergency Rescue Bag System consists of a pre-rigged lowering system that comes in a variety of lengths. The users of this product must receive training by an approved trainer.

Part No.	Description
SRS323020	Emergency Rescue Bag System, 20 ft (6 m), demo unit
SRS323150	Emergency Rescue Bag System, 150 ft (45 m) working length
SRS323300	Emergency Rescue Bag System, 300 ft (90 m) working length
SCE109001	Pole adapter, aluminum/rubber
SCE109003	Pole adapter, 6 ft (1.8m), aluminum/rubber
SRB675009	Storage bag for FP675-009



Emergency Rescue Bag System  
Part No. SRS323150

PLEASE NOTE: Due to a 2:1 mechanical advantage, the user should order the Emergency Rescue Bag System with twice the length of rope necessary for their application. For example, the SRS323150 uses 300' of rope to achieve a 150' working length. The maximum system available provides a 400' working length with 800' of rope.

## BUCKET TRUCK EVACUATION KIT

The Bucket Truck Evacuation Kit was created to provide all necessary equipment to allow a worker to safely evacuate an aerial bucket that has become inoperative. The kit includes:

- #2 Rope Bag (P/N - SRB430205)
- 10 ft Synthetic Ladder with Swivel Snaphook (P/N - SCE405010)
- Boom Anchor Strap (P/N - SSB22040)
- Anthon system (P/N - SDC726075) which includes Anthon device, Carabiners (2), 75 ft (22m) 7/16" rope

Part No.	Description
SKITSMT001	Bucket Truck Evacuation Kit



## FALL PROTECTION RESCUE KIT

The Fall Protection Rescue kit is designed to be an "out of the bag" rescue system. This kit combines a remote hook and extension pole with a rescue utility system. The remote hook and extension pole allows for remote attachment of a rescue line to a victim. The Rescue Utility System allows a rescuer to raise or lower the victim to safety. This kit should be used with a back-up system (not included).

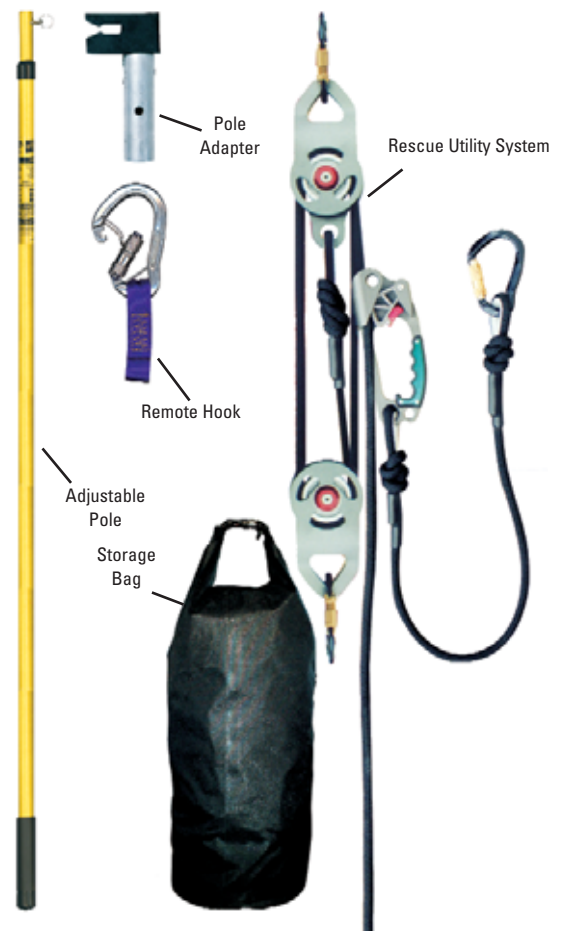
Fall Protection Rescue Kit includes:

- Adjustable Pole, 6 ft (1.8m) to 12 ft (3.6m) (P/N - SFP675009)
- Pole Adapter (P/N - SCE109001) converts pole to hold remote hook
- Remote Hook (P/N - SRCA401) for remote attachment
- Storage Bag (P/N - SRB675009) for pole and remote hook
- Rescue Utility System (P/N - SRS15200) - raising and lowering system with a 4:1 mechanical advantage

Part No.	Description
10030025	Fall Protection Rescue Kit

PLEASE NOTE: Due to a 4:1 mechanical advantage, the user should order the Rescue Utility System with 4 times the length of rope necessary for their application. See page 78 for more information.

Fall Protection Rescue Kit  
Part No. 10030025





# Rescue Equipment

## BASIC HIGH ANGLE RESCUE KITS

The Basic High Angle Rescue Kits were designed for the Fire Department planning to assemble a high angle rescue team. A complete high angle rescue system consists of two kits: a Belay System Kit, and a Raising/Lowering System Kit.

### The Belay system kit includes:

- 3 large "D" shaped rescue carabiners (P/N SRCC641) - NFPA approved Class G
- 200 ft (61m) 1/2" rope, orange and white (P/N - SRP504860SL) - NFPA approved
- 33 ft (10m) 9mm accessory cord (P/N - SRP500900) for making load- release hitch
- 65" (1.65m) 8mm accessory cord & 53" (1.35m) accessory cord (P/N - SRP500860) make-up the tandem Prusiks
- 6 ft (1.8m) Suretyman anchorage sling (P/N - SFP2267406)
- #3 rope bag, orange (P/N - SRB430301)

### The Raising/Lowering System includes:

- 6 large "D" shaped rescue carabiners (P/N - SRCA641) - NFPA approved Class G
- Stealth rigging plate (P/N - SRSPR5990)
- 200 ft (61m) 1/2" rope, red (P/N - SRP504863SL) - NFPA approved
- 33 ft (10m) 9mm accessory cord (P/N - SRP500900) for making load-release hitch
- 65" (1.65m) 8mm accessory cord & 53" (1.35m) accessory cord (P/N - SRP500860) make-up the tandem Prusiks
- 53" (1.35m) 8mm accessory cord (P/N - SRP500860) for creating the Prusik for connecting the raising system
- 2 Single Pulleys, 4" (100mm) (P/N - SPPPU8710) - Prusik minding pulleys
- Brake Bar Rack (P/N SRS14001) - lowering device is NFPA approved
- 6 ft (1.8m) Suretyman anchorage sling (P/N - SFP2267406)
- #3 rope bag, black (P/N - SRB430305)



Part No.	Description
10030023	Belay System Kit
10030024	Raising/Lowering System Kit



## LEARN FROM THE EXPERTS

**LET US TRAIN YOU  
AT YOUR FACILITY!**

### **GET READY FOR THE NEW STANDARDS!**

Required of ANSI Z359.3: (expected release date 2006)

- New requirements for rescue equipment, including rescue hoists, three-way rescue devices, rope-and-tackle systems and descender devices.
- Expanded training requirements for at-risk workers, Competent Persons and Qualified Persons
- New guidelines for post-fall rescue and retrieval, including more stringent definitions for rescue trainers and rescue team members
- Rescue planning to ensure prompt rescue of fallen workers that reduces the hazard of suspension trauma.

### **TOWER CLIMBING SAFETY & RESCUE**

**Topics include:**

- Selection & application of fall protection systems
- Basic fall protection principles
- Review of applicable, industry-related standards
- Meets both Bechtel and American Tower's current training requirements for tower climbers

### **INDUSTRIAL RESCUE**

**Topics include:**

- Review of applicable, industry-related standards
- High angle rescue techniques
- Selection, application, and use of rescue systems; such as Raising/Lowering
- Manufactured rescue systems versus rope access rescue systems
- NFPA approved rope access courses available

MSA also offers the following Fall Protection training courses:

### **FUNDAMENTALS OF SAFETY AT HEIGHTS**

**Topics include:**

- Fall hazard recognition
- Basic fall prevention and protection principles
- Selection, application, and use of fall protection systems
- Review of applicable, industry-related standards

### **COMPETENT PERSON FOR EQUIPMENT INSPECTION**

**Topics include:**

- Proper equipment cleaning & storage
- Formal inspection procedure & documentation process
- Review of applicable, industry-related standards

### **SAFETY AT HEIGHTS PROGRAM MANAGEMENT & RESCUE PLANNING**

**Topics include:**

- Round-table discussion of fall protection issues
- Writing or reviewing of a current, up-to-date a fall protection program or policy
- Planning for an effective and swift rescue
- Selection and use of manufactured rescue systems

### **COMPETENT PERSON FOR SAFETY AT HEIGHTS**

**Topics include:**

- Combines Fundamentals, Equipment Inspection, and Management & Rescue courses

**HANDS-ON,  
COMPREHENSIVE  
COURSES**



Students simulate falls in Training Structure at the Denver Facility.



Hands-on Training for proper fit of a harness at an off-site customer facility.



**TRAINING CENTERS:**  
BUTLER, PA  
ENGLEWOOD, CO  
EDMONTON, AB,

MSA Fall Protection Training Facility in Edmonton, Alberta, Canada

## CONFINED SPACE ENTRY AND RETRIEVAL

**Topics include:**

- Review of applicable, industry-related standards
- Proper confined space retrieval methods
- Permit and non-permit required entry

## FALL PROTECTION & RESCUE FOR RAILWAY BRIDGES

**Topics include:**

- Review of applicable, industry-related standards
- Rescue/retrieval methods

## ADDITIONAL COURSES

MSA has also designed many types of custom training courses and interactive training programs for a wide range of industries including:

- Mining Industry
- Utilities Industry
- Automotive Industry
- Telecommunications Industry
- Railroad Industry

With MSA, you have the experts to help you find the best solution for your Safety At Heights training needs.

## REGISTRATION INFORMATION

We invite you to attend our next training session, which will prove to be a comprehensive and valuable experience. For registration information, please contact the MSA Customer Service Center by phone (1-800-672-2222) or by fax (1-800-967-0398), or log onto our web site at [www.MSAFallProtection.com](http://www.MSAFallProtection.com).

## COMPETENT PERSON REFRESHER

**Topics include:**

- Review of all concepts covered in Competent Person course

## COMPETENT PERSON TRAIN-THE-TRAINER

**Topics include:**

- Combines Fundamentals, Equipment Inspection, and Management & Rescue courses
- Discussion of course components
- Discussion of effective training techniques

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**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

**Offices and representatives worldwide**

For further information:

Bulletin 2300-80-MC

Printed in USA / September 2006

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