

**REACHING
NEW HEIGHTS
IN FALL PROTECTION**

GEMTOR



Gemtor, Inc. is an ISO 9001 registered manufacturer of fall protection, confined space retrieval and rescue equipment. All Gemtor products are designed and manufactured to be the highest quality in the industry, always meeting and usually exceeding OSHA and ANSI standards. Our reputation for quality, customer service and fast shipping has made Gemtor one of the most recognizable names in the industry. So ". . . when your life is on the line™", you'll feel secure knowing your equipment has the Gemtor name on it.

Gemtor, Inc. is American owned and operated. Our products are manufactured at our modern facility in New Jersey using state-of-the-art equipment.

Our experienced craftsmen are highly trained members of the International Brotherhood of Teamsters.



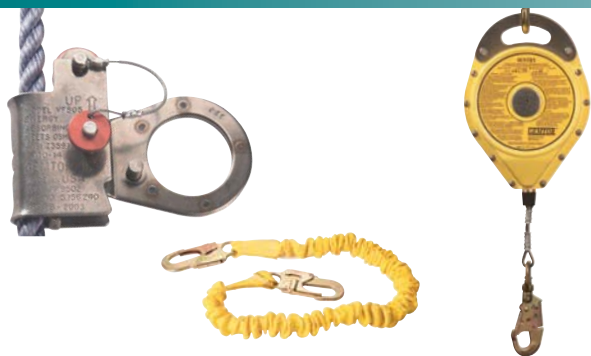
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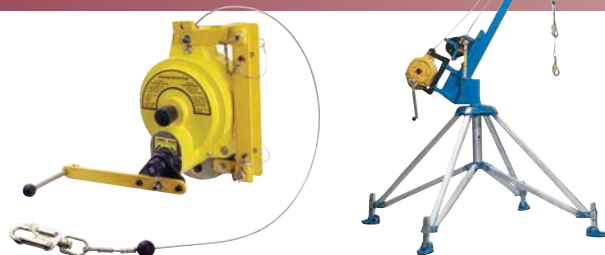
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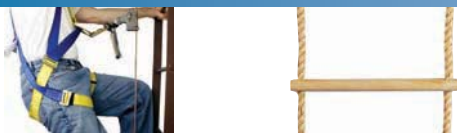
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HARNESSES & BELTS

Gemtor full-body harnesses distribute the forces generated during a fall over at least the thighs, pelvis, chest, and shoulders. The sliding back D-ring helps to suspend a fallen worker in an upright position after a fall.



To assure OSHA compliance, an energy absorber should be part of a personal fall arrest system whenever possible. See pgs. 9,10,11,14, &15 for energy absorbing devices.

ANATOMY OF A GEMTOR HARNESS

STANDARD FEATURES

- Fade resistant polyester webbing.
- Universal sizing
- Pliable injection molded D-ring pad for increased user comfort
- Sliding back (dorsal) D-ring for fall arrest and restraint
- 5-Point adjustment (independent leg, shoulder and chest strap adjustment)
- Flexible, injection molded chest strap retainers hold lanyard snaphook when not in use
- Anti-tangle strap across back
- Two color design for easy donning
- Comprehensive labeling with inspection log
- Heavy-duty stitching

SHOULDER D-RINGS

Shoulder D-rings (Available on any harness by adding 'SD' to the end of the model #)



OPTIONS

- Back pads, shoulder pads, D-ring extensions and other harness accessories, see page 6
- Hip D-rings (see specific harness models for availability)
- Permanently attached energy absorbing lanyards see pgs. 10 & 11

LEG STRAP BUCKLES



Friction

Infinitely adjustable. Good when harness is shared by workers. Model 932, 936.



Quick Connect

Fast and simple donning. Good when harness is assigned to a worker. Model 900, 922, 933, 955, 959, 965, 922SPL, 2000, 2010.



Tongue and Grommet

Fast donning and adjustment. Good when harness is assigned or shared. Model 832, 833, 859, 855, 836, 2005, 2015.

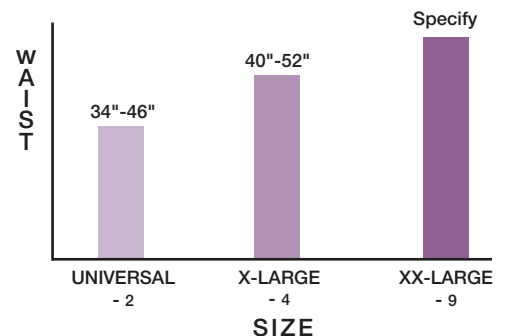
SIZE CHARTS

Full-body Harnesses Without Waist Belts

HEIGHT	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	330	350	
6'-6"																								
6'-4"																								
6'-2"																								
6'-0"																								
5'-10"																								
5'-8"																								
5'-6"																								
5'-4"																								
5'-2"																								
5'-0"																								

Legend: UNIVERSAL -2, X-LARGE -4, XX-LARGE -9

Full-body Harnesses With Waist Belts



Add size code to end of model # when ordering i.e. 900 Universal size → 900-2

FULL-BODY HARNESSSES

ALL DAY COMFORT

Ease of mobility.

Features & Benefits:

- Lightweight, Sub-pelvic
- Quick connect leg and chest straps
- Shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder
- NY State Approval # 9592



900 - as shown
900H - with hip D-Rings

900 SERIES

QUICK CONNECT

Ideal when a worker is assigned his own harness.

Features & Benefits

- Lightweight, Sub-pelvic
- Quick connect leg & chest straps
- Spring-loaded shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder
- NY State Approval # 9593
- CSA Z259.10 approved model available on request



922 - as shown
922H - with hip D-Rings

922 SERIES

FRICTION BUCKLES

Ideal when a harness is shared among workers.

Features & Benefits:

- Lightweight, Sub-pelvic
- Spring loaded friction buckle leg straps
- Quick connect chest strap
- Shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder
- NY State Approval # 9594



932 - as shown
932H - with hip D-rings

932 SERIES

FRONT D-RING

For Climbing, Positioning, Suspension or Rescue.

Features & Benefits:

- Full-size front D-ring
- Lightweight, Sub-pelvic
- Quick connect leg straps
- Quick connect at hip for easy donning
- Spring-loaded shoulder strap adjuster
- Anti-tangle strap
- Accessory ring holds lanyard snaphook when not in use



933 - as shown
933H - with hip D-rings

933 SERIES

CONSTRUCTION STYLE

Back pad & removable waist belt.

Features & Benefits:

- Heavy-duty removable tongue buckle waist belt (suitable for tools)
- Cordura/Tricot covered foam back pad
- Sub-pelvic
- Quick connect leg & chest straps
- Spring-loaded shoulder strap adjusters
- Chest strap retainers with snaphook holder



955 - as shown
955H - with hip D-rings on back pad

955 SERIES

WAIST BELT

Lightweight sub-pelvic harness with permanently attached waist belt.

Features & Benefits:

- Waist belt with quick connect buckle
- Lightweight, Sub-pelvic
- Quick connect leg & chest straps
- Spring-loaded shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder



959 - as shown
959H - with hip D-rings

959 SERIES

HARNESSES & BELTS

TONGUE BUCKLE

Quick & easy leg adjustment.

Features & Benefits

- Lightweight, Sub-pelvic
- Tongue buckle & grommet leg straps
- Quick connect chest strap
- Shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder

832 – as shown

832H – with hip D-rings

832 SERIES



FRONT D-RING

For Climbing, Positioning, Suspension or Rescue.

Features & Benefits:

- Full-size front D-ring
- Lightweight, Sub-pelvic
- Tongue buckle & grommet leg straps
- Quick connect at hip for easy donning
- Spring-loaded shoulder strap adjuster
- Anti-tangle strap
- Accessory ring holds lanyard snaphook when not in use

833 – as shown

833H – with hip D-rings

833 SERIES



CONSTRUCTION STYLE

Back pad and removable waist belt.

Features & Benefits:

- Heavy-duty removable tongue buckle waist belt (suitable for tools)
- Cordura/Tricot covered foam back pad
- Sub-pelvic
- Tongue buckle and grommet leg straps
- Quick connect chest strap
- Spring-loaded shoulder strap adjuster
- Snaphook holders on chest strap retainers

855 – as shown

855H – with hip D-rings on back pad

855 SERIES



WAIST BELT

Lightweight, sub-pelvic harness with permanently attached waist belt.

Features & Benefits:

- Waist belt with tongue buckle & grommets
- Lightweight, Sub-pelvic
- Tongue buckle and grommet leg straps
- Quick connect chest strap
- Spring-loaded shoulder strap adjuster
- Anti-tangle strap
- Chest strap retainers with snaphook holder

859 – as shown

859H – with hip D-rings

859 SERIES



TOWER CLIMBING

For tower erection & maintenance.



Features & Benefits:

- Available with full-size front D-ring or quick connect chest strap
- Heavy-duty tongue buckle body belt with hip positioning D-rings and foam back pad.
- Seat sling with suspension D-rings.
- Quick connect at hip for easy donning (Front D-ring models)
- Spring-loaded adjuster on shoulder strap(s)
- Accessory ring holds lanyard snaphook when not in use
- Accessory hooks on waist belt

2000 – chest strap & quick connect leg straps

2005 – front D-ring & quick connect leg straps

2010 – chest strap & tongue buckle leg straps

2015 – front D-ring and tongue buckle leg straps (shown)

2000 SERIES



INTEGRAL ENERGY ABSORBER

Discrete, single color design for places where subtly is desired.

Features & Benefits:

- Permanently attached 1" wide x 5' adjustable length soft-pack energy absorbing lanyard
- Lanyard pouch for lanyard and snaphook storage
- Lightweight, Sub-pelvic
- Quick connect leg and chest straps
- Spring-loaded shoulder strap adjuster
- Anti-tangle strap
- Chest strap retainers with snaphook holder
- CSA Z259.10 approved model available on request

922SPL – as shown

922SPL SERIES



FULL-BODY HARNESSSES

CLASSIC STYLE

Built the old fashioned way!

Features & Benefits:

- Pass-thru friction buckle waist, shoulder & leg straps
- Heavy-duty polyester webbing
- Accessory ring holds lanyard snaphook when not in use
- NY State Approval # 9206



936 – as shown
936H – with hip D-rings on waist belt

MODEL 936

HIGH VISABILITY/REFLECTIVE

Neon orange webbing and 3M retro-reflective stripe that reflects light back at its source

Features & Benefits:

- Lightweight, Sub-pelvic
- Quick connect leg and chest straps
- Spring-loaded shoulder strap adjusters
- Anti-tangle strap
- Chest strap retainers with snaphook holder



965 – as shown
965H – with hip D-rings
865 – tongue buckle leg straps
865H – tongue buckle leg straps & hip D-rings

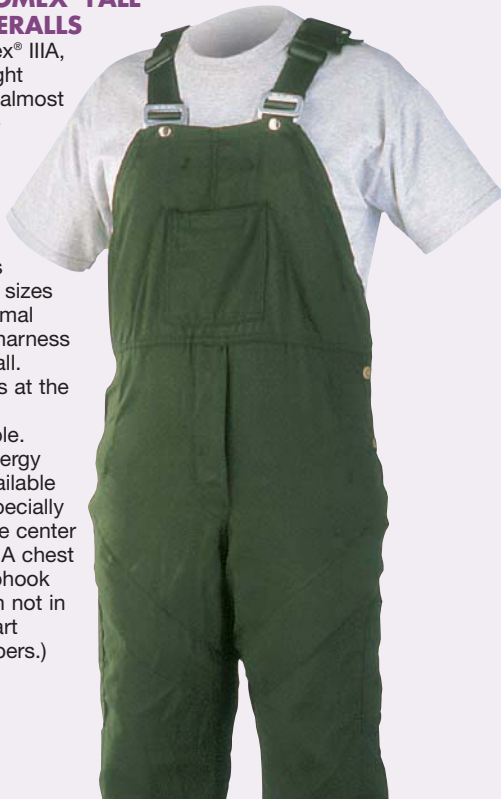
MODEL 965

WAIST MEASUREMENTS OF AVAILABLE MODELS

	Small	Medium	Large	X-Large
	30" - 32"	34" - 36"	38" - 40"	42" - 44"
INSEAM 29"	FPOS/S	FPOM/S	FPOL/S	FPOXL/S
32"	FPOS/M	FPOM/M	FPOL/M	FPOXL/M
35"	FPOS/L	FPOM/L	FPOL/L	FPOXL/L

FLAME RESISTANT LIGHTWEIGHT NOMEX® FALL PROTECTION OVERALLS

Made of 4.5 oz. Nomex® IIIA, this overall is lightweight enough to be worn in almost any climate, offers the flame resistance of Nomex®, and features the fall protection of an OSHA compliant polyester full-body harness. The overall is available in a range of sizes and requires only minimal adjustment since the harness is sized to fit the overall. Quick connect buckles at the shoulder straps make donning fast and simple. The Model # SPCL energy absorbing lanyard (available separately) fits in a specially designed pocket at the center of the wearer's back. A chest pocket holds the snaphook and web lanyard when not in use. (See ordering chart above for model numbers.) Meets CSA Z259.10.



MODEL FPO

SPCL

This energy absorber is designed specifically for use with the fall protection coveralls and overalls. It features a Model # 5105 carabiner for connection to the D-ring at the back of the uniform and a Model #3155 locking snaphook at the other end of the lanyard. Meets CSA Z259.11



MODEL SPCL

FLAME RESISTANT INDURA® FALL PROTECTION COVERALLS

Patented design features a OSHA compliant fall protection harness permanently incorporated into a convenient flame resistant 9 oz. Indura® coverall. The coveralls are available in a range of sizes and, since the harness is sized to fit coverall, no adjustment or adjusting hardware is needed. Inside the coverall, there are no loose straps, making donning fast and simple. The Model # SPCL energy absorbing lanyard (available separately) fits in specially designed pocket at the center of wearer's back. A chest pocket holds the snaphook and web lanyard when not in use. (to order see chart below.) Meets CSA Z259.10.



MODEL FPC

CHEST MEASUREMENTS OF AVAILABLE MODELS

	Small	Medium	Med. Large	Large	X-Large
	34" - 37"	38" - 40"	41" - 42"	43" - 44"	45" - 48"
INSEAM 29"	FPCS/S	FPCM/S	FPCML/S	FPCL/S	FPCXL/S
32"	FPCS/M	FPCM/M	FPCML/M	FPCL/M	FPCXL/M
35"	FPCS/L	FPCM/L	FPCML/L	FPCL/L	FPCXL/L

Nomex®, IIIA is a Dupont registered trademark. Indura® is a registered trademark of Westex, Inc.

HARNESSES & BELTS

HARNNESS ACCESSORIES

Customize your Gemtor harness with unique features that maximize all-day comfort and convenience.

SHOULDER PADS

Made of lightweight foam with soft, brushed Tricot on the underside and strong Cordura on the outside. Shoulder pads are 3" x 8" and can be used with all Gemtor harnesses, sold in pairs.



MODEL SHP



REPLACEMENT LANYARD RING



Convenient lanyard ring attaches to any harness and keeps lanyard out of the way when not in use.

MODEL LC2

BACK PADS

Made of lightweight foam with soft, brushed Tricot on the underside and strong Cordura on the outside. Back pads are 6" wide and are available in two sizes: small/medium and large/x-large. Specify M or L when ordering.



BP1

Back pad for use with sub-pelvic harnesses.

BP2

Back pad for use with belts, and harnesses with waist belts.

MODEL BP1 & BP2

D-RING EXTENSION



Made of 1" wide polyester webbing, 18" long, with D-ring at one end, Model # 3155 locking snaphook at other end.

MODEL 540PS

D-RING EXTENSION



Made of 1" wide polyester webbing, 18" long, with D-ring at one end, web loop on other end for choker attachment to harness D-ring.

MODEL 540PW

POSITIONING AND RESTRAINT BELTS

All Gemtor positioning/restraint belts are constructed of rugged 1 3/4" wide polyester webbing. Belts are available in a variety of configurations to meet user needs and preferences. See size chart at bottom of page for ordering codes.



Never use a belt for fall arrest. See the selection of full-body harnesses specifically designed for fall arrest on pgs. 2-5.

TONGUE BUCKLE



Features a tongue buckle and grommet closure and a D-ring at each hip.

MODEL 602

BODY PAD



Features a 3" wide body pad for added comfort, a D-ring at each hip, and a tongue buckle and grommet closure. NY State Approval # 9181.

MODEL 646

LADDER WORKER'S BELT

Designed for use by ladder workers or workers switching and dropping cars, etc. Belt features a 4" wide x 23 1/2" long, removable body pad and tongue buckle and grommet closure. A Model # 3129 locking snaphook with a 1 3/4" gate opening is permanently attached to a D-ring fixed 6" from the buckle.



Available Models:

672 - shown

673 - Body pad only, can be added to any belt

MODEL 672

ATTACHED LANYARD



Features a 3" wide body pad for added comfort, a D-ring at each hip, double pass friction buckle closure. A 1/2" x 6' long polyester rope lanyard with a Model # 3155 locking snaphook at one end is spliced to one D-ring. New York State Approval # 9179 applies to belt only.

Available Models:

745L - with 6' long lanyard (shown)

746 - Same as 745L except without lanyard

747L - Same as 745L, except with 10' long lanyard

MODEL 745L

FRICTION BUCKLE



Features a double pass friction buckle closure and a D-ring at each hip.

MODEL 743

SEAT STRAP



For maintaining stability while working in leaning, half-sitting, half-standing position. Features include a 3" wide body pad, a D-ring at each hip and double pass friction buckle closure.

MODEL 1140

SIZE CHART FOR BELTS WITH TONGUE BUCKLES

BELT SIZE	FITS WAIST	ORDERING CODE
Extra Small	28 - 36	-0
Small	32 - 40	-1
Medium	36 - 44	-2
Large	40 - 48	-3
Extra Large	44 - 52	-4

Measure over outer clothing when selecting a size

Note: Standard size double pass friction buckle belts adjust to fit waists from 36" to 46". Extra small and extra large sizes are available.

HARNESSES & BELTS

SUSPENSION EQUIPMENT

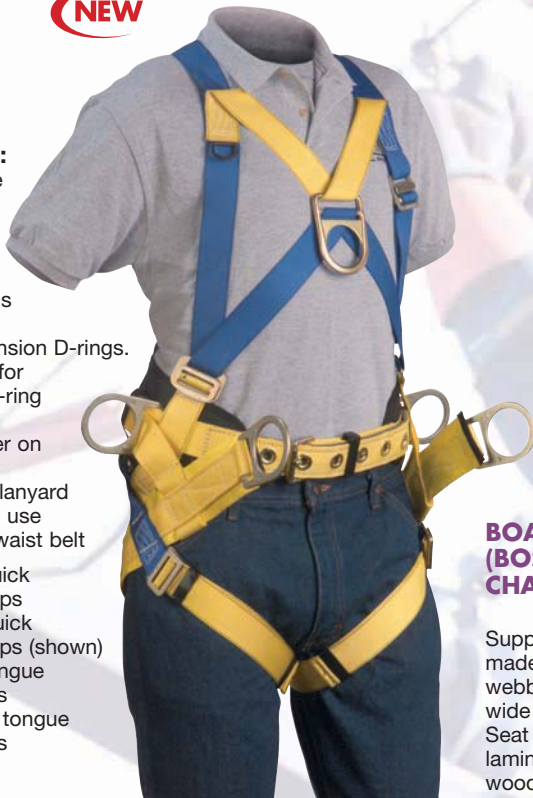
Suspension Saddles and Bosuns' Chairs support and position a worker from above, thus permitting free use of hands.



Boatswains' chairs and suspension saddles must be used in conjunction with a backup fall protection system that includes an independent lifeline, and harness.

TOWER CLIMBING HARNESS

For tower erection & maintenance.



Features & Benefits:

- Available with full-size front D-ring or quick connect chest strap
- Heavy-duty tongue buckle body belt with hip positioning D-rings and foam back pad.
- Seat sling with suspension D-rings.
- Quick connect at hip for easy donning (front D-ring models)
- Spring-loaded adjuster on shoulder strap(s)
- Accessory ring holds lanyard snaphook when not in use
- Accessory hooks on waist belt

2000 – chest strap & quick connect leg straps

2005 – front D-ring & quick connect leg straps (shown)

2010 – chest strap & tongue buckle leg straps

2015 – front D-ring and tongue buckle leg straps

2000 SERIES

BOATSWAINS' (BOSUNS') CHAIR

Support straps are made of 3" wide polyester webbing with a 1 3/4" wide body belt. Seat is made of 12" x 24" laminated wood with wooden cleats on the bottom.



MODEL 1164



SUSPENSION SADDLES

2143

Made of 1 3/4" wide polyester webbing. Features 3" wide body pad on seat and waist belt for comfort. Saddle has two D-rings on the seat for suspension and two D-rings on the waist belt for positioning. Tongue buckle and grommet waist closure. Comes with knife snap and O-ring.

2103 - Same as 2143, except with two D-rings on the seat only

2104 - Same as 2103, except with 4" wide body pad

2100 SERIES

LANYARDS & LIFELINES

TB SERIES - TIE-BACK ENERGY ABSORBING LANYARDS

Introducing Gemtor's new series of Tie-Back Lanyards. These lanyards are specifically designed so that the webbing may be wrapped around an OSHA compliant structural support and the automatic locking carabiner can be "snapped" back onto the lanyard. Features include; captive locking carabiner for tie-back or

direct connection to anchorage, and dual layer, dual color design. The black inner layer is made of high strength polyester webbing, the yellow outer layer offers additional strength, and helps protect the inner layer from abrasion and cutting. The contrasting colors help the user identify when the lanyard is severely worn.

FEATURES:

- Dual Layer Design
- Cut resistant tubular webbing
- Contrasting layer colors
- Captive self-locking carabiner(s)
- Locking snaphook
- Solid link D-Ring on 100% tie-off models
- Meets OSHA and ANSI standards



100% TIE-OFF LANYARD

Soft-pack energy absorber with two (2) tie-back lanyards.

- TB1101LY4 – 4 ft. length
- TB1101LY6 – 6 ft. length
- TB1101LY10 – 10 ft. length

MODEL TB1101LY

SINGLE LEG LANYARD

Soft-pack energy absorber with tie-back lanyard.



- TB1101L4 – 4 ft. length
- TB1101L6 – 6 ft. length
- TB1101L10 – 10 ft. length

MODEL TB1101L



SYNTHETIC FIBER PROPERTIES

PROPERTY	NYLON	POLYESTER	POLY-BLEND*	HSP**
Temporary elongation at 20% of capacity	Moderate	Low	Low	Very low
Energy Absorption	Excellent	Fair	Fair	Fair
Abrasion Resistance	Very Good	Excellent	Excellent	Good
Mildew Resistance	Excellent	Excellent	Excellent	Good
Acid Resistance	Fair	Excellent	Excellent	Excellent
Alkali Resistance	Excellent	Very Good	Very Good	Excellent
Resistance to UV in Sunlight	Very Good	Excellent	Excellent	Fair to Good
Organic Solvent Resistance	Good	Excellent	Very Good	Good
Melting Point	480° F	482° F	440° F	357° F
Floatability	Sinks	Sinks	Floats	Floats

*Blend of polyester and Polypropylene fibers (rope only) **High Strength Polypropylene (rope only)

LANYARDS & LIFELINES

DECELERATOR ENERGY ABSORBING LANYARDS

Gemtor decelerator lanyards feature an energy absorbing inner core and a strong protective outer shell made of tubular webbing. If a fall

occurs, the inner core expands smoothly, while the outer shell protects the core from damage and acts as a backup.

SINGLE LEG DECELERATOR LANYARD

Energy absorbing polyester web lanyards without pack.

Popular Models:

- D1101L4** – # 3155 locking snaphook each end, 4 ft. length
- D1101L6** – # 3155 locking snaphook each end, 6 ft. length
- D1101LZ6** – # 3155 snaphook one end, # 3100 other end, 6 ft. length
- D1L6*** – # 3155 locking snaphook one end, other end sewn to harness, 6 ft.
- D1Z6*** – # 3100 snaphook one end, other end sewn to harness, 6 ft.

* order two (2) for 100% tie-off



D1101L SERIES



100% TIE-OFF DECELERATOR LANYARD

Includes two (2) energy absorbing polyester web lanyards without packs.

Popular Models:

- D1101LY6** - with # 3155 locking snaphook on each of the three (3) ends
- D1101LYZ6** – # 3155 locking snaphook one end # 3100 other two (2) ends, 6 ft. length

D1101LY SERIES

DECELERATOR II – STRETCH ENERGY ABSORBING LANYARD

Similar in design to the original decelerator lanyard with the addition of elastic which allows the lanyard to retract to only 4 ft. long when not under tension. This helps to reduce the possibility of tripping over excess lanyard webbing.

SINGLE LEG STRETCH DECELERATOR LANYARD

Elasticized energy absorbing polyester web lanyards without pack.

Popular Models:

- D11EL6** – # 3155 locking snaphook each end, 6 ft. length
- D11ELZ6** – # 3155 snaphook one end, # 3100 other end, 6 ft. length
- D1EL6*** – # 3155 locking snaphook one end, other end attached to harness, 6 ft. length
- D1EZ6*** – # 3100 snaphook one end, other end attached to harness, 6 ft. length

D11EL SERIES * order two (2) for 100% tie-off

NEW



100% TIE-OFF STRETCH DECELERATOR LANYARD

Includes two (2) elasticized energy absorbing polyester web lanyards without packs.

Popular Models:

- D11ELY6** – # 3155 locking snaphook each end, 6 ft. length
- D11ELYZ6** – # 3155 snaphook one end, # 3100 other two (2) ends, 6 ft. length

D11ELY SERIES



NEW

AVAILABLE CONNECTORS

To order a connector other than a # 3155 snaphook on the anchorage end of a lanyard, put the ordering code (letter at bottom of each connector shown below) of the desired connector at the end of the lan-

yard's base Model #; i.e. D11EL6 with # 3100 snaphook becomes D11ELZ6. See page 20 for more detailed information on these connectors. Base Model # = Model # up to and including "L" on single leg lanyards, up to and including "Y" on 100% tie-off models.





OSHA mandates that the fall arrest forces on a worker not exceed 1,800 lbs. when wearing a full-body harness. Gemtor, Inc. recommends that an energy/shock absorber be used whenever the possibility of a free fall exists to assure that

forces are below the OSHA limits. Energy absorbers can increase fall distance by up to 42". Make sure the available fall space permits the use of an energy absorber.

SOFT-PACK ENERGY ABSORBING LANYARDS

Gemtor offers a variety of compact, lightweight, durable Soft-Pack energy absorbers that reduce the possibility of serious injuries by limiting the arresting force to less than 900 lbs. The clear protective covering provides for fast, easy visual inspection. Locking snaphooks

reduce the possibility of accidental disengagement. All Soft-Pack energy absorbing lanyards come standard with # 3155 locking snaphooks on each end unless otherwise noted. CSA Z259.11 approved models are available upon request.

SINGLE LEG

1" wide polyester web lanyard with a locking snaphook on each end.

Popular Models:

SP1101L3 - 3' length

SP1101L4 - 4' length

SP1101L6 - 6' length

SP1101LX6 - with # 3129 snaphook, 6' long

SP1101LZ6 - with # 3100 snaphook, 6' long

SP1101LA6 - Adjustable from 3 1/2' to 6'

SP1L3 - # 3155 snaphook one end, other end sewn to harness, 3' long

SP1L6 - # 3155 snaphook one end, other end sewn to harness, 6' long

SP1101L SERIES



100% TIE-OFF

With two (2) 1" wide polyester web lanyards with locking snaphooks on each of the three ends.

Popular Models:

SP1101LY6 - 6' long

SP1101LYX6 - With 3129 snaphook 6' long

SP1101LYZ6 - With 3100 snaphook 6' long

SP1LY - # 3155 snaphook one end, other end sewn to harness, 6' long

SP1101LY SERIES

STRETCH SOFT-PACK LANYARDS

Elasterized 6' long polyester web lanyard with locking snaphook at each end. Retracts to 4 1/2" when not under tension.

Popular Models:

SP1101EL6 - 6' long

SP1101ELY6 - 100% tie-off, 6' long

SP1101ELYZ6 - 100% tie-off, with # 3100 snaphook, 6' long

SP1EL6 - # 3155 snaphook one end, other end sewn to harness, 6' long

SP1101EL SERIES



SPx2 SERIES FOR FREEFALLS UP TO 12 FT.

For use during steel erection when the only available tie-off is at your feet. These lanyards will limit the fall arresting forces to within OSHA limits, but may require up to 60" of deceleration distance in addition to free fall distance and system elongation. Often used with sliding beam anchors (see pg. 19)

Available Models:

SPX11L6 - 6' long

SPX11LY6 - 100% tie-off, 6' long

SPx2 SERIES

OTHER AVAILABLE MODELS (not shown)

SP2215L - 1/2" diameter polyester rope, # 3155 snaphook each end, specify length

SP202L - with 1/4" diameter coated galvanized wire rope lanyard, # 3155 snaphook each end, specify length

SP1101LD - # 3155 snaphook at one end, D-ring at other end, 18" long

SP2215LY6 - 100% tie-off, two (2) 1/2" diameter polyester rope lanyards, # 3155 snaphook each end, 6' long



LANYARDS & LIFELINES

ROPE LANYARDS & LIFELINES

Care should be taken to prevent abrasions or cuts. Ropes with larger diameters have greater abrasion resistance. Specify length when ordering. All lanyards, lifelines and positioning lines come standard with Model # 3155 locking snaphook(s) with 5/8" gate opening. (See pg.10-11 for other available connectors.)



The selection of your lanyard is as important as the proper selection of your body belt or full-body harness. Lanyards should be kept as short as possible to reduce the possibility of serious injury. OSHA mandates that free fall distances not exceed 6'. See page 9 for synthetic fiber properties chart.

Gemtor recommends that an energy absorber be part of a fall arrest system whenever possible, in order to ensure that forces incurred during a fall are less than the OSHA limit of 1,800 lbs. (See pg. 9 for energy absorbing lanyards, pg.14 for energy absorbing rope grabs or pg.15 for self-retracting lanyards and lifelines.)

ATTACHED ROPE LANYARDS

A # 3155 locking snaphook spliced to one end, other end spliced to harness, belt, or rope grab of your choice.

- 2012L - 1/2" Nylon rope
- 2015L - 1/2" Polyester rope
- 2022L - 5/8" Nylon rope
- 2025L - 5/8" Polyester rope

20 SERIES

ROPE LIFELINES

A # 3155 locking snaphook spliced to one end only, perfect for use as a lifeline.

- 2122L - 5/8" Nylon rope
- 2124L - 5/8" Poly-blend rope
- 2125L - 5/8" Polyester rope
- 2126L - 5/8" HSP
- 2132L - 3/4" Nylon rope
- 2134L - 3/4" Poly-blend rope
- 2135L - 3/4" Polyester rope



21 SERIES

AVERAGE BREAKING STRENGTH OF ROPE (in lbs.)

DIAMETER	NYLON	POLYESTER	POLY-BLEND	HSP
1/2"	6,400	6,400	N/A	N/A
5/8"	10,400	10,000	7,200	10,000
3/4"	14,000	12,500	9,800	N/A

HSP rope is made of a co-polymer of polypropylene and polyethylene with a tensile strength two times stronger than regular polypropylene. Note: See Synthetic Fiber Properties chart on page 9.

ROPE LANYARDS/LIFELINES

A # 3155 locking snaphook spliced to each end. See below for appropriate uses.

- 2212L - 1/2" Nylon rope
- 2215L - 1/2" Polyester rope
- 2222L - 5/8" Nylon rope
- 2224L - 5/8" Poly-blend rope
- 2225L - 5/8" Polyester rope
- 2226L - 5/8" HSP rope
- 2232L - 3/4" Nylon rope
- 2234L - 3/4" Poly-blend rope
- 2235L - 3/4" Polyester rope

USAGE

- lanyard
- lanyard
- lanyard/lifeline
- lanyard/lifeline
- lanyard/lifeline
- lanyard/lifeline
- lifeline
- lifeline
- lifeline

For an adjustable length lanyard, add A to the end of the model number. (For 1/2" and 5/8" diameter only) Adjusts from 60% to 100% of ordered length. i.e. "2212LA".

22 SERIES





Web lanyards are not appropriate for fall arrest unless used as part of a fall arrest system incorporating an energy absorbing component.

WEB LANYARDS

261L - 1" wide polyester web lanyard with a locking snaphook on each end

266L - 1" wide adjustable polyester web lanyard with a locking snaphook on each end. A steel adjuster provides for an adjustment range of 60% - 100% of specified length

260 SERIES



STEEL CABLE POSITIONING LINES



Steel cables are not appropriate for fall arrest unless used as part of a fall arrest system incorporating an energy absorbing component.

Positioning lines are available in 1/4" diameter, 7 x 19, galvanized (7,000 lb. test) or stainless steel (6,100 lb. test) wire rope. A # 3155 locking snaphook is permanently attached at each end. An available nylon covering extends cable life and protects against abrasion, dirt, grit, and moisture. Coated diameter is 5/16".

201L - Galvanized steel cable

202L - Galvanized steel cable with nylon cover

203L - Stainless steel cable

204L - Stainless steel cable with nylon cover

200 SERIES

REBAR ASSEMBLIES

These positioning and restraint lanyards have been designed to be used while tying rebar or constructing concrete forms. Models are available with or without swivels, and are made of 5/0 twist-link zinc plated chain or 1" wide polyester webbing.



FEATURES:

- Zinc plated, twist-link chain to prevent kinking
- # 3155 locking snaphooks at leg ends
- Many types of hooks available to provide compatible connection to structure. See page 20 for other available connectors
- Available with or without swivel
- Available in lengths to suit your application
- Meets or exceeds all applicable industry standards including OSHA and ANSI

CHAIN REBAR ASSEMBLIES

Popular Models:

RC18LTS - 18" long, # 3131 snaphook, swivel (shown)

RC18LXS - 18" long, # 3129, snaphook, swivel

RC18LZN - 18" long, # 3100 snaphook, no swivel

RC18LZS - 18" long, # 3100, snaphook, swivel

RC22LZN - 22" long, # 3100, snaphook, no swivel

WEB REBAR ASSEMBLIES

Popular Models:

RW18LZN - 18" long, # 3100, snaphook, no swivel

RW18LTN - 18" long, # 3131, snaphook, no swivel (shown)

RW22LTS - 22" long, # 3131 snaphook, swivel

RW22LZN - 22" long, # 3100, snaphook, no swivel

RW22LZS - 22" long, # 3100, snaphook, swivel

RC & RW SERIES

LANYARDS & LIFELINES

ROPE GRABS

Small, lightweight rope-grabbing devices ride a vertical lifeline and automatically lock in place if a fall occurs.



Gemtor VF400 Series & VF505 Series rope grabs for synthetic rope lifelines qualify as OSHA-compliant energy absorbing components of a fall arrest system. When using the Model # VW655 vertical rope grab for wire rope lifelines, an energy absorbing lanyard must be used. Gemtor recommends the use of a 3' lanyard with rope grabs, to ensure that free fall will not exceed 6'.



Energy Absorbing Rope Grab for 5/8" diameter, vertical synthetic lifelines. This Rope Grab is very similar to our popular Model # VF505 in design and performance. It is made of stainless steel for superior corrosion resistance, reduces the forces generated during a fall to a level well below OSHA and ANSI limits. Unlike many other rope grabs, all Gemtor rope grabs are designed not to abrade the rope during normal use. The Model # VF400 rope grab is threaded onto the lifeline at the free end and stays with the lifeline so that it is always there when you need it.

VF400 – Stainless steel, energy absorbing rope grab
VF400WL3 – with 1" wide x 3' long polyester web lanyard sewn to rope grab.

MODEL VF400

Automatic rope grab follows a worker up and down a 5/8" - 3/4" diameter vertical synthetic rope lifeline. The unit's controlled, shock-absorbing action eliminates the need for an energy absorber lanyard. The patented design allows the rope grab to be attached, detached, and positioned at any point on the vertical lifeline. Weighs 1 1/2 lbs. and is made of stainless steel. NY State Approval # 9502. (Approval limited to rope grab only.)

VF505 - Stainless steel, energy absorbing rope grab with snaphook compatible connection ring
VF505WL3 - with 1" wide x 3' long x 1" polyester web lanyard sewn to rope grab.



MODEL VF505

CABLE GRABS

This compact and lightweight cable grab is made of stainless steel and is designed to follow the ascending and descending movement of a worker along a vertical wire rope lifeline. The grab can be used on 5/16" - 3/8", 7 x 19 stainless steel wire rope lifelines and a unique patented design allows for it to be attached, detached or positioned at any point along the lifeline. An energy absorbing lanyard must be used for attachment of the cable grab to the back D- ring of a full-body harness.



CSA Z259.2.1 approved

WIRE ROPE LIFELINES

5/16" diameter stainless steel wire rope lifeline with a # 3155 locking snaphook swaged at one end, and a stop swaged at other end. For use with Model # VW655 cable grab.



MODEL A-627L

MODEL VW655

Gemtor self-retracting lifelines and lanyards automatically extend and retract permitting a worker freedom of movement while preventing slack line and providing continuous protection against falls.

Gemtor self-retracting lifelines and lanyards are available in a full range of configurations to suit virtually any work application.

SELF-RETRACTING LANYARD/ FALL LIMITER



FLW SERIES

Compact, lightweight, cast aluminum fall limiter with 1" wide polyester or technora web lifeline.

FLW- 11 - 10' long polyester web lifeline, aluminum housing, weighs only 2.8 lbs.

FLW- 11T - 10' long technora web lifeline, aluminum housing, weighs only 2.8 lbs.

FLW SERIES



SELF-RETRACTING LANYARD

MODEL RL-8

1 3/4" wide x 8' long, polyester webbing with a swivel locking snaphook permanently attached. Unit locks within a few inches when a fall is sensed. Housing is made of heavy-duty steel with a chemical, environmental, and impact resistant PVC cover. New cover design helps prevent webbing from twisting and allows for complete retracting.

MODEL # RL8



SWL SERIES

SWL- 20 - 20' long polyester web lifeline steel housing, 12 lbs.

SWL-30 - 30' long polyester web lifeline steel housing, 14.5 lbs.

SWL SERIES



SELF-RETRACTING LIFELINES

Common Features of All Gemtor Sentry Self-Retracting Lifelines:

- Spring loaded drum with sealed ball bearings for smooth cable extension and retraction.
- Weather sealed stamped steel or cast aluminum housing.
- 3/16" galvanized steel cable, stainless steel cable or Tech 12 non-conductive synthetic rope lifeline (except SWL series).
- Compact and lightweight.
- Internal components made of bronze, stainless steel and aluminum.
- Impact indicator to warn user that unit has arrested a fall.

Retractable lifelines require a carabiner (not included) for attachment to anchorage. (See pg. 20)

SRL SERIES

With steel housing, cable lifeline and swivel, locking snaphook with integrated impact indicator (Tech 12 non-conductive rope available).

SRL-30 - 30' long galvanized steel lifeline, 16 lbs.

SRL-30S - 30' long stainless steel lifeline, 16 lbs.

SRL-50 - 50' long galvanized steel lifeline, 19 lbs.

SRL-50S - 50' long stainless steel lifeline, 19 lbs.

SRL-65 - 65' long galvanized steel lifeline, 27 lbs.

SRL-65S - 65' long stainless steel lifeline, 27 lbs.

CSA Z259.2 approved model available upon request.

SRL SERIES



SL2 SERIES

With cast aluminum housing and cable lifeline. Includes swivel, locking snaphook with integrated impact indicator. (Tech 12 rope available).

SL2-30 - 30' long galvanized steel lifeline, 20 lbs.

SL2-30S - 30' long stainless steel lifeline, 20 lbs.

SL2-50 - 50' long galvanized steel lifeline, 29 lbs.

SL2-50S - 50' long stainless steel lifeline, 29 lbs.

SL2-100 - 100' long galvanized steel lifeline, 45 lbs.

SL2-100S - 100' long stainless steel lifeline, 45 lbs.

CSA Z259.2 approved model available upon request.

SL2 SERIES



LANYARDS & LIFELINES

HORIZONTAL LIFELINES

Gemtor Horizontal Lifeline Systems are engineered to provide a temporary OSHA-compliant anchorage point when no overhead anchorage exists or when a worker needs the ability to move across a horizontal surface while tied off. When used in conjunction with an approved full-body harness and lanyard, the complete system has the ability to arrest a work-

er's fall and limit the forces transmitted to the worker and the system's anchor points. Many system configurations are available to accommodate work site and environmental conditions.

"Call for information on custom engineered and permanently installed Horizontal Lifeline Systems".

THE UNITENSIONER®

The patented Unitensioner® device is the heart of Gemtor's Temporary Horizontal Lifeline Systems and takes the guesswork out of setting up a horizontal lifeline.

The Unitensioner® is easy to use and performs the following functions:

- Allows the user to tighten/stretch the lifeline
- Helps maintain desired tension by preventing over-tightening
- Effectively limits fall arrest forces on the worker and the anchor points without the use of an energy absorbing lanyard.



COMPLETE HORIZONTAL LIFELINE SYSTEMS

For use where vertical columns capable of supporting at least 5,000 lbs. are available. An anchor sling is attached to a vertical support at

each end, and the lifeline is tensioned between them. If the span exceeds 60', intermediate supports must be used at intervals of 60' or less. Maximum span 300'.



SYNTHETIC ROPE HORIZONTAL LIFELINE

Model # HL1-60

System Includes:

- **HL1** - Unitensioner® for 5/8" diameter HSP synthetic lifeline. (shown at top of page).
- **HL26** - 5/8" diameter HSP synthetic lifeline (length must be specified at time of order).
- **AS-2-6** - Two (2) 6' long choker style web anchor slings.
- **5105** - Two (2) automatic locking steel carabiners.
- **A-851** - Two (2) forged alloy steel O-rings.
- **266L** - Two (2) adjustable length web lanyards (adjust from 4' to 6').
- **WB-2** - Carrying bag.

HL1 SERIES

WIRE ROPE HORIZONTAL LIFELINE

Model # HL2-60 (shown)

System Includes:

- **HL2** - Unitensioner® for 5/16" diameter stainless steel lifeline
- **HL-627** - 5/16" diameter stainless steel lifeline (length must be specified at time of order).
- **AS-2-6** - Two (2) 6' long choker style web anchor slings
- **5105** - Three (3) automatic locking steel carabiners
- **266L** - Two (2) adjustable length web lanyards (adjust from 4' to 6')
- **WB-2** - Carrying bag

HL2 SERIES

OPTIONAL PORTABLE STANCHIONS FOR HL1 & HL2

When suitable vertical supports are not available, a Model # HL35 portable stanchion can be attached at each end of a horizontal I-beam and the lifeline can be tensioned between them. If the span

exceeds 60', a Model # HL36 intermediate support must be used at intervals of 60' or less. The unique angled design of Gemtor's portable stanchions helps keep the lifeline out of the worker's way.

END STANCHIONS

Attaches to the top flange of an I-beam. Standard model fits I-beam flanges up to 12" wide and 1 1/4" thick. Other sizes available upon request. Lifeline attachment is 52" above flange. No tools are required for installation. Two (2) stanchions required for system.

Weighs 67 lbs. each.



MODEL HL35

INTERMEDIATE STANCHIONS

Attaches to the top flange of an I-beam. Standard model fits I-beam flanges up to 12" wide and 1 1/4" thick. Other sizes available upon request. Unique design allows worker to pass intermediate stanchion without disconnecting lanyard. No tools are required for installation. One required at maximum intervals of 60', if lifeline span exceeds 60'.

Weighs 33 lbs. each.



MODEL HL36

TEMPORARY HORIZONTAL LIFELINES

Gemtor's single span horizontal lifeline system is the perfect choice for bridge and building construction. Designed for quick and easy mounting to structural I-beams, this complete kit includes everything you need to protect your workers while working/walking at heights. Each system can be used on a span of up to 60 ft. and multiple systems can be connected together to cover greater spans. Mounting bolts located on the top side of the stanchion base make mounting to beam safer and easier than

Features:

- Complete System
- Standard size fits Beams up to 3" thick x 36" wide
- Spans up to 60 ft.
- For use as fall protection or hand rail by up to two (2) workers.
- Attaches with top mounted bolts, plated chain and quick insert pin.
- No drilling or welding required.
- Compact and lightweight (stanchions weigh only 35 lbs. each)
- Reusable*

* System shall be inspected before and after each use by a qualified person. In the event of a fall, energy absorber, cable and lifeline hardware must be replaced.

HL3-30 – Portable horizontal lifeline system for up to 30 ft. span
Includes; two (2) stanchions, energy absorber, cable and hardware.

HL3-60 – Portable horizontal lifeline system for up to 60 ft. span
Includes; two (2) stanchions, energy absorber, cable and hardware.

HL3-3A – Portable horizontal lifeline add-on system for up to 30 ft. span.
Includes; one (1) stanchion, energy absorber, cable and hardware.

HL3-6A – Portable horizontal lifeline add-on system for up to 60 ft. span.
Includes; one (1) stanchion, energy absorber, cable and hardware.

HL3-S1 – Additional stanchion for portable horizontal lifeline system.

HL3-EA – Replacement energy absorber.

HL-628-30 – Replacement galvanized steel cable lifeline and hardware for HL3-30.

HL-628-60 – Replacement galvanized steel cable lifeline and hardware for HL3-60.

HL3 SERIES

competitive models, zinc plated chain and quick insert pins save time and increase durability. Stanchions are extremely strong yet light-weight and mount on the beam at an angle to keep the lifeline out of the worker's way. Lifeline mounts 36" above beam.



NEW

ANCHORAGE EQUIPMENT

ANCHOR SLINGS

Gemtor anchor slings provide an OSHA-compliant anchor point when attached to a structural support capable of supporting at least 5,000 lbs. The anchor slings are made of 1 3/4" wide polyester webbing with a 3" wide wear pad to protect against abrasion. The most popular lengths are 4 & 6 ft., other lengths may be ordered to suit your application.

Features 2 like-sized, snaphook-compatible D-rings (connection is made to both D-rings)



MODEL AS-1

Choker-type sling that has one standard size, snaphook-compatible D-ring that passes through a larger D-ring (connection is made to the standard D-ring)



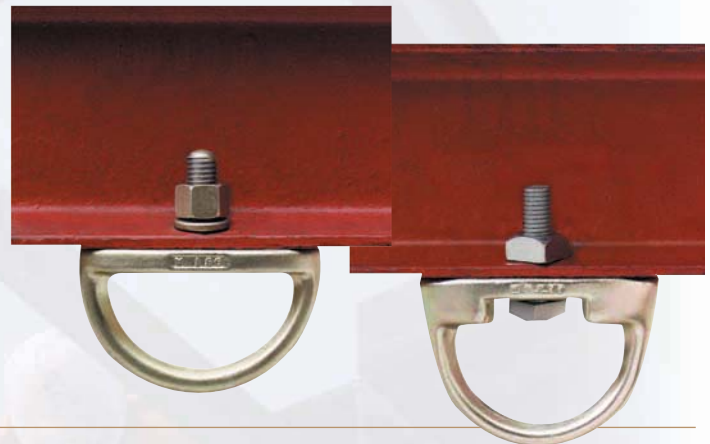
MODEL AS-2

ANCHOR D-RINGS

Drop forged alloy steel D-rings provide an OSHA-compliant, snaphook-compatible anchor point when bolted to a structural support capable of supporting at least 5,000 lbs.

Model AD-1 - Has integral 1/2" diameter x 1 1/2" long threaded stud and comes with grade 9 nut and lock washer.

Model AD-2 - With mounting hole for 1/2" bolt (not included)



MODEL AD-1 & AD-2

CARABINERS

Alloy steel large carabiner with automatic lock, 1 7/8" gate opening. 5000 lbs. minimum breaking strength.

MODEL 5710



Alloy steel, side opening large carabiner with automatic lock, 2" gate opening, 9000 lbs. minimum breaking strength.

MODEL 5741



BOOM STRAP

Allows attachment of fall protection system to boom of bucket truck. Made of 1 3/4" wide polyester webbing with alloy steel D-ring and adjusting buckle.



MODEL BA-1

BEAM ANCHORS

Gemtor offers a complete line of beam anchors in configurations to fit almost any application. The SBA series of sliding beam anchors mount on the top or bottom flange of a horizontal structural I-Beam and are designed to follow a worker as he moves along the beam.



The VBA series anchors can be mounted to either a vertical or horizontal I-beam and remain fixed in place until moved. The VBA series can be used as a single point anchorage connector or as part of an engineered horizontal lifeline system.

SLIDING BEAM ANCHORS

Features:

- Stainless steel and high-strength aluminum construction
- Installs in seconds without tools
- Mounts to top or bottom horizontal beam flange
- Unique design prevents snaphook gate from contacting edge of beam
- Follows a worker's movement along an I-beam
- Stainless steel rollers allow anchor to glide along top of beam and last longer than nylon pads
- Lightweight yet extremely strong and durable

NEW

Available models:

SBA-141 – Automatic rotary locking system for fast attachment to beam, fits beams from 4" – 14" wide and up to 1 1/8" thick. (shown)

SBA-182 – Quick-insert locking pin for size adjustment, fits beams from 12" – 18" wide and up to 2 3/4" thick.

SBA-242 – Quick-insert locking pin for size adjustment, fits beams from 12" – 24" wide and up to 2 3/4" thick.

SBA SERIES



FIXED/VERTICAL BEAM ANCHORS

Features:

- Stainless steel construction
- Installs without tools
- Mounts to vertical I-beam or top or bottom flange of horizontal I-beam
- Lightweight yet extremely strong and durable
- Can be used as single attachment point or for horizontal lifeline endpoint

NEW



VBA-121 – Fixed beam anchor for vertical or horizontal I-beams, fits beams from 4" – 12" and up to 1 1/2" thick.

VBA-181 – Fixed beam anchor for vertical or horizontal I-beams, fits beams from 4" – 18" and up to 1 1/2" thick. (shown)

VBA-241 – Fixed beam anchor for vertical or horizontal I-beams, fits beams from 4" – 24" and up to 1 1/2" thick.

VBA SERIES

ANCHORAGE EQUIPMENT

SNAPHOOKS AND CARABINERS

All Gemtor lanyards, lifelines, and energy absorbers come standard with Model # 3155 locking snaphooks. To order different connectors, use the following procedure: First, replace the "L" in the base Model # with the ordering code of the connector to be on the end of the lanyard attached to the user. Next, add the ordering code of the connector to be on the other end of the lanyard. If both ends are to have the same connector, or the lanyard only has one connector, then only add one letter code.

Note: Not all connectors are compatible with all connections; it is the responsibility of the purchaser/user to ensure that all hardware connections are compatible. Only Model # 3155, 3154, 5105 and 5107 connectors should be used for connection to Gemtor D-ring attachments.



All snaphook attachments must be checked by the user to make sure they cannot bring pressure on snap gates in a manner as to permit accidental opening.

Alloy steel locking snaphook with extra large gate opening

Overall length - 8 3/4"
Gate opening - 2"
Tensile strength - 5,000 lbs.
Ordering code - **Z**

MODEL 3100



Alloy steel locking snaphook with large gate opening

Overall length - 6 7/8"
Gate opening - 1 5/8"
Tensile strength - 5,000 lbs.
Ordering code - **R**

MODEL 3200



Drop forged alloy steel locking snaphook with large gate opening

Overall length - 8 5/8"
Gate opening - 2"
Tensile strength - 5,000 lbs.
Ordering code - **X**

MODEL 3129



Steel offset D-carabiner with automatic lock

Overall length - 4 7/16"
Gate opening - 1"
Tensile strength - 10,000 lbs.
Ordering code - **C**

MODEL 5105



Drop forged alloy steel locking snaphook with extra with large gate

Overall length - 9 5/8"
Gate opening - 2 1/2"
Tensile strength - 5,000 lbs.
Ordering code - **T**

MODEL 3131



Forged aluminum offset D-carabiner with automatic lock

Overall length - 4 7/16"
Gate opening - 3/4"
Tensile strength - 5,000 lbs.
Ordering code - **K**

MODEL 5107



Drop forged alloy steel locking snaphook with swivel eye

Overall length - 6 3/4"
Gate opening - 5/8"
Tensile strength - 5,000 lbs.
Ordering code - **S**

MODEL 3154



Alloy steel large carabiner with automatic lock

Overall length - 9 3/8"
Gate opening - 2"
Tensile strength - 5,000 lbs.
Ordering code - **P**

MODEL 5710



Alloy steel locking snaphook

Overall length - 5 3/4"
Gate opening - 5/8"
Tensile strength - 5,000 lbs.
Ordering code - **L**

MODEL 3155



Alloy steel, side opening large carabiner with automatic lock

Overall length - 7 1/4"
Gate opening - 2"
Tensile strength - 9,000 lbs.
Ordering code - **F**

MODEL 5741



ROOFER'S EQUIPMENT

Temporary anchorage for workers working on sloped or flat roof truss construction.

ROOFER'S FALL PROTECTION KITS

Includes:

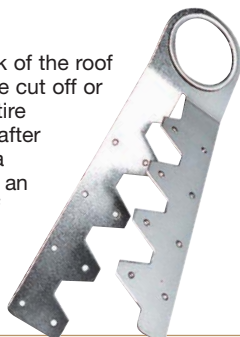
- Reusable or Single-use Anchor(s)
- Full Body Harness
- Energy Absorbing Rope Grab with integral 3' long polyester web lanyard
- 5/8" dia. HSP rope lifeline with snaphook at one end
- Storage container/carrying bag



MODEL RAMUK 1

SINGLE-USE ROOF ANCHOR

Galvanized steel anchor attaches to the peak of the roof using 16d (penny) nails and is designed to be cut off or bent over when the job is complete. (The entire anchor can also be removed and discarded after use.) The unique one piece design features a dimensionally correct connection point and is an OSHA-compliant anchorage point capable of supporting 5,000 lbs.



MODEL RASU

MULTIPLE-USE ROOF ANCHOR

Hinge-style 11 gauge zinc-plated steel anchor mounts at the peak of the roof and comes complete with a zinc-plated forged steel D-ring. Attaches to the roof using 16d (penny) double-headed nails or #8 x 3 1/2" long wood screws. Anchor is designed to be removed when the job is complete and reused after inspection. Features a dimensionally correct connection point and is an OSHA-compliant anchorage point capable of supporting 5,000 lbs.



MODEL RAMU1

Available Models:

RAMUK1 (shown) – One (1) # RAMU1 reusable anchor, 50' lifeline, VF505WL3 rope grab, #900-2 harness, choice of bucket or bag, (specify when ordering)

RASUK1 – Five (5) # RASU single-use anchors, 50' lifeline, VF505WL3 rope grab, #900-2 harness, choice of bucket or bag, (specify when ordering)

VP801-2 – One (1) single-use anchor, 40' lifeline, energy absorbing rope grab, # VP101-2 harness, bucket

VP811-2 – One (1) reusable anchor, 40' lifeline, energy absorbing rope grab, # VP101-2 harness, bucket

Replacement/Additional Components:

RAMU1 – Reusable roof anchor

RASU1 – Package of 5 single-use anchors (also available individually - RASU)

900-2 – Full-body harness, universal size (see page 3)

VF505WL3 – Energy absorbing rope grab for 5/8"- 3/4" dia rope with integral 3' long polyester web lanyard (see page 14)

VF400WL3 – Energy absorbing rope grab for 5/8" dia rope with integral 3' long polyester web lanyard (see page 14)

2126L50 - 5/8" dia. x 50' long HSP rope lifeline with snaphook at one end

CB1 – Equipment carrying bag (see page 28)

CONFINED SPACE

COMPLETE NON-ENTRY SYSTEMS

To insure OSHA and ANSI compliance when entering a vertical confined space, an attendant must be prepared to initiate non-entry rescue as soon as a situation arises. When a confined space is more than six feet deep, a worker must also be protected from possible falls.

Three types of rugged, easy to use confined space anchorages are available to meet worksite demands. Each type of anchorage -

tripods, quadpods and davits - can be used for arrest, retrieval, and lowering of workers in confined spaces.

Gemtor confined space equipment can be ordered as a complete system or as individual components. All system components are compatible, but be sure to check usage restrictions for the type of confined space retrieval you need. All components meet or exceed OSHA and ANSI standards.

ARRESTING/RETRIEVAL/LOWERING SYSTEM

Gemtor complete non-entry confined space retrieval systems come complete with everything you need to enter a vertical confined space with an acceptable means of access. If there is no acceptable means of access, then a work positioning winch such as the Model # MRW-50 (see pg. 24) will need to be added to the system.

Each complete system includes:

Model TP-7 Aluminum Tripod

When positioned over opening, serves as system anchorage point. (See bottom of page)

Model RS3 Arresting/Retrieval/Lowering Device

Multi-function device that arrests a worker's fall and then can be used to raise or lower the worker to safety. (See pg. 24)

Model 51C Split Pulley

Attaches to eyebolt on tripod head using carabiner below and directs lifeline into opening as a worker ascends and descends or is raised or lowered. (See pg. 25)

Model 5105 Carabiner

used to attach pulley to tripod eyebolt (see pg. 20).

Available Systems:

- Model # CSRS3-50 with 50' of galvanized steel cable
- Model # CSRS3-50S with 50' of stainless steel cable
- Model # CSRS3-100 with 100' of galvanized steel cable
- Model # CSRS3-100S with 100' of stainless steel cable

CSRS SERIES



TRIPODS

Gemtor's lightweight yet durable aluminum tripods feature a cast aluminum head with automatic leg locks that make set-up and take-down quick and easy. Two forged eyebolts are provided for attachment of any combination of Gemtor retrieval winches, retractable lifelines or auxiliary equipment. Each of the tripod's telescoping legs may be independently adjusted to compensate for uneven terrain using quick insert locking pins. Cast aluminum feet with anti-skid rubber pads and leg chains help make Gemtor tripods OSHA compliant anchorages capable of supporting 5,000 lbs.

Available Models:

- Model # TP-7 - Tripod weight 40 lbs., Height 4' - 7', Leg span 60", Working load 310 lbs.
- Model # TP-9 - Tripod weight 46 lbs., Height 57 1/2" - 9', Leg span 73", Working load 310 lbs.

MODEL TP7 & TP9

QUADPODS

MODEL QP-4 PORTABLE QUADPOD

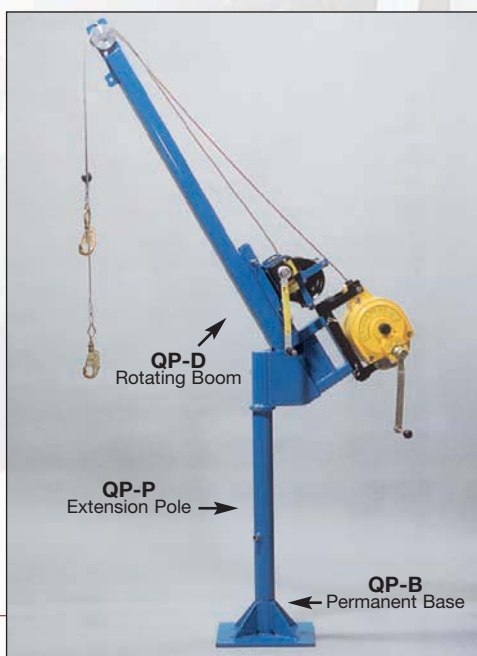
Ideal for situations where the use of a tripod is either impractical or impossible. The Quadpod is easy to set-up and collapse and each leg can be independently adjusted to compensate for uneven terrain. The removable boom rotates 360° and locks in any position. Height 90", Reach 26", Tested static load 5400 lbs., Working load 310 lbs., Distance between legs 54".

Quadpod includes:

- Model QP-L** - Portable base
- Model QP-D** - Rotating boom

See pgs. 24-25 for compatible winches and other equipment.

MODEL QP-4



DAVITS

PERMANENT DAVIT

The davit's permanent base can be mounted to steel flooring or concrete, or on the back of a truck and is especially useful for tank entry or over edges. A removable boom that rotates 360° easily attaches to the base and can be locked in any position to offer flexibility for maneuvering equipment or a worker. Additional bases and poles can be ordered (see below) and one or more booms can be moved among many permanently installed bases. Height 89", Reach 26", Tested static load 5400 lbs., Working Load 310 lbs.

Davit includes:

- Model QP-D** - Rotating Boom
- Model QP-B** - Permanent Base
- Model QP-P** - Extension Pole

See pgs. 24-25 for compatible winches and other equipment.

MODEL QP-1

COMPONENTS

Gemtor Quadpod/Davit components are fully interchangeable; one or more rotating booms can be moved between any combination of permanent and portable bases.

Model QP-D Rotating Boom

Attaches to either a portable or permanent base; features two mounting positions for any combination of Gemtor fall arrest/retrieval, work and man rated winches, and one mounting position for a hanging fall protection device. Two (2) pulleys are integrated into the end of the boom. Weighs 57 lbs.

Model QP-B Permanent Base

Mounts to steel flooring, concrete or bed of truck.

Weighs 48 lbs.

QP-P Extension Pole - For Model QP-B permanent base, 32 lbs.

Model QP-L Portable Base

Independently adjustable legs. Folds quickly for easy transport.

Weighs 102 lbs.

COMPLETE SYSTEMS

CSQP-1 - Includes QP-1, RS3-50

CSQP-1S - Includes QP-1, RS3-50S

CSQP-4 - Includes QP-4, RS3-50

CSQP-4S - Includes QP-4, RS3-50S

CONFINED SPACE

WINCHES

GEMTOR ARRESTING/RETRIEVAL/LOWERING DEVICE (THREE-WAY)

Multi-function fall arrest/retrieval device helps protect a worker from falling and has an integral winch mechanism that allows a worker to be raised to the surface quickly and easily. Attaches to any Gemtor Tripod, Quadpod, or Davit with quick-insert locking pins or can be hung from overhead using an optional carabiner. (See pg. 20) Features include a large, rubber-coated knob which makes engaging and disengaging retrieval mode an easy, one-hand operation. Precision internal components and a strong, weather-resistant cast aluminum housing ensure reliability and dependability. The Model # RS3 has two independent braking systems: an energy absorbing centrifugal brake arrests a fall softly within 24"; a friction brake activates immediately when raising or lowering is stopped and holds the load in place.

The unit is supplied with $\frac{3}{16}$ " diameter galvanized or stainless steel cable lifeline in 50' or 100' lengths and has a permanently attached locking swivel snaphook with impact indicator for connection to a full-body harness. An adjustable length handle allows the operator to choose between faster retrieval or less required cranking force.

Available Models:

- Model RS3-50** - 50' galvanized steel cable, 45 lbs.
- Model RS3-50S** - 50' of stainless steel cable, 45 lbs.
- Model RS3-100** - 100' of galvanized steel cable, 65 lbs.
- Model RS3-100S** - 100' of stainless steel cable, 65 lbs.

MODEL RS3



The winch function of the Model RS3 should only be used for raising and lowering of a worker during rescue/retrieval operations



Note: All Gemtor winches are available with non-conductive synthetic lifelines, call for details.



Note: All Gemtor winches are available with non-conductive synthetic lifelines, call for details.

GEMTOR MAN RATED WINCHES

Designed for raising or lowering an employee into a work position or for use in rescue operations. Features cable guide for automatic placement of cable on drum and two independent braking systems to ensure reliable operation. Housing is made of sturdy lightweight cast aluminum. Attaches to any Gemtor Tripod, Quadpod, or Davit. Comes with $\frac{3}{16}$ " diameter galvanized or stainless steel cable with locking swivel snaphook with impact indicator permanently attached. An adjustable length handle allows the operator to choose between faster retrieval or less required cranking force.



NOT FOR FALL ARREST. A fall arrest system must be used with the Model # MRW if work height exceeds 6'.

Available Models:

- Model MRW-50** - 50' of galvanized steel cable, 35 lbs.
- Model MRW-50S** - 50' of stainless steel cable, 35 lbs.
- Model MRW-100** - 100' of galvanized steel cable, 45 lbs.
- Model MRW-100S** - 100' of stainless steel cable, 45 lbs.

MODEL MRW

GEMTOR WORK WINCHES

Attaches to any Gemtor Tripod, Quadpod, or Davit and can be used for raising and lowering materials. Comes with Model # 3154 locking swivel snaphook permanently attached to galvanized or stainless steel $\frac{3}{16}$ " diameter cable. Features a cable guide for automatic placement of cable on drum.



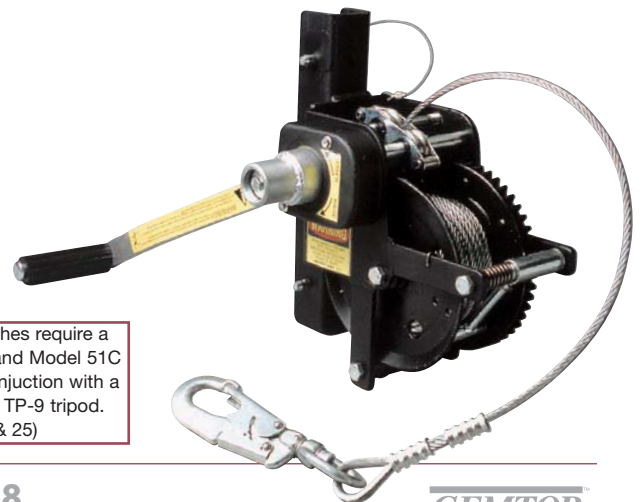
NOT FOR FALL ARREST! DO NOT USE for raising or lowering of personnel unless used in conjunction with a back-up fall protection device as part of a "man-rated system".

Available Models:

- Model MW-50** - 50' of galvanized steel cable, 20 lbs.
- Model MW-50S** - 50' of stainless steel cable, 20 lbs.
- Model MW-100** - 100' of galvanized steel cable, 30 lbs.
- Model MW-100S** - 100' of stainless steel cable, 30 lbs.

MODEL MW

Note: All Gemtor winches require a Model 5105 carabiner and Model 51C pulley when used in conjunction with a Model TP-7 or Model TP-9 tripod. (see pgs. 20 & 25)



AUXILIARY EQUIPMENT

WRISTLETS

Model 930Y with Yoke Lanyard-Wristlets are made of durable 3-ply neoprene impregnated nylon and are designed for use in confined spaces or tanks with narrow openings where the worker may have to be withdrawn. Wristlets are sold in pairs; each wristlet has a permanently attached 1" wide x 6' long (3' each leg) polyester web yoke lanyard with a D-ring in the center.

Model 930 Wristlets-Same as Model 930Y, except without yoke lanyard.



MODEL 930Y

WINCH CARRYING BAG

For retractable lifelines and winches. See pg. 28 for full description and other available models.



MODEL WB1

TRIPOD CARRYING BAG

Model TB7 - Carrying bag for Model # TP-7 tripod
Model TB9 - Carrying bag for Model # TP-9 tripod



MODEL TB7 & TB9

PULLEY

Stainless steel cheeks open to allow placement of cable or rope on 3/4" wide 3 1/2" diameter aluminum sheave. Weighs 1 1/4 lbs. Working load 310 lbs.



MODEL 51C

YOKE LANYARD with Spreader Bar

Model 261SB Two-legged 1" wide polyester web lanyard with a locking snaphook at each end and a D-ring in the center. Spreader bar separates lanyard's legs for attachment to shoulder D-rings of harness. Standard length: 5' (30" each leg).

Model 261LY - Yoke Lanyard Same as Model # 261SB except without the spreader bar. Standard length: 6' (3' each leg).



MODEL 261SB

LADDER EQUIPMENT

LADDER SAFETY SYSTEMS

Designed for installation on fixed, permanent ladders of virtually any height, Gemtor ladder climber's safety systems feature a safety sleeve that automatically follows the ascending and descending movements of a worker along a fixed ladder. If a slip or fall occurs, a locking mechanism engages, limiting the fall to a few inches and reducing the possibility of serious injury.

Common features of

Gemtor ladder climber safety systems include:

- Full-body harness with front D-ring
- 100' of stainless steel cable (other lengths available, 30' minimum)
- Most installations can be completed by maintenance personnel in less than one hour.



The 6000 Series features a removable safety sleeve, so that a worker can take the sleeve with him from site to site. The 6000 Series is an economical solution for situations with many ladders in use. A worker needs only one sleeve and can hook up to any Gemtor 6000 Series system.

Model 6001 (shown)

Complete system includes:

- **Model 6002** - Safety sleeve with energy absorber and carabiner (additional sleeves available separately)
- **Model 933** - Ladder climber's harness
- 100' of $\frac{5}{16}$ " diameter stainless steel cable (other lengths are available)
- **Model 6006** - Cable guides to be spaced at 35' intervals
- Upper and lower mounting brackets and necessary installation hardware

Model 6010

Complete 100' assembly without a safety sleeve, or harness.

6000 SERIES

The safety sleeve in this system is permanently attached to the cable so that it reliably remains with the system at all times. The 5000 Series is good for use in situations where many different workers at different times may need to have access to the same safety system. Additional sleeves can be added to the cable to accommodate more than one worker at the same time.

Model 5001

Complete system includes:

- **Model 5002** - Safety sleeve (Additional sleeves available separately)
- **Model 933** - Ladder climber's harness
- **Model 5105** - Carabiner
- 100' of $\frac{7}{32}$ " diameter stainless steel cable (other lengths are available)
- **Model 5006** - Cable guides to be spaced at 35' intervals
- Upper and lower mounting brackets and necessary installation hardware.

Model 5050

Complete 100' assembly without harness.

5000 SERIES



INDUSTRIAL ROPE LADDERS

WITH HARDWOOD RUNGS



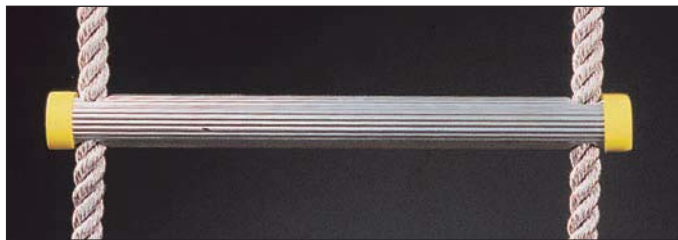
2" wide x 1" thick x 15" long oval shaped hardwood rungs. Side rails may be ordered in 5/8" diameter nylon, polyester, poly-blend, or HSP rope. Side rails pass through and are secured to rungs using steel drive pins. Rungs are spaced 12" apart. Ladders come standard with 5' tie-down lines.

See pg. 20 for snaphooks and carabiners that can be ordered permanently spliced to ends of tie-down lines.

Available Models:

- Model 322** - Nylon rope side rails
- Model 323** - Polyester rope side rails
- Model 324** - Poly-blend rope side rails
- Model 326** - HSP rope side rails

WITH SERRATED ALUMINUM RUNGS



1 3/8" diameter x 15" long hardwood-filled, serrated, aluminum rungs. Side rails may be ordered in 5/8" diameter nylon, polyester, poly-blend, or HSP rope. Side rails pass through and are secured to rungs using steel drive pins. Rungs are spaced 12" apart. Ladders come standard with 5' tie-down lines.

See pg. 20 for snaphooks and carabiners that can be ordered permanently spliced to ends of tie-down lines.

Available Models:

- Model 332** - Nylon rope side rails
- Model 333** - Polyester rope side rails
- Model 334** - Poly-blend rope side rails
- Model 336** - HSP rope side rails



INDUSTRIAL ROPE LADDER

MODEL #	TYPE OF RUNGS	TYPE OF SIDE RAIL ROPE
322	Hardwood	Nylon
323	Hardwood	Polyester
324	Hardwood	Poly-Blend
326	Hardwood	HSP
332	Serrated Aluminum	Nylon
333	Serrated Aluminum	Polyester
334	Serrated Aluminum	Poly-Blend
336	Serrated Aluminum	HSP

Note: Please specify length when ordering rope ladders. Maximum length available is 80'

OTHER EQUIPMENT & ACCESSORIES

AXES

CRASH AXES

15" long drop forged steel crash axe with rubber handle insulated for 20,000 volts. Weight: 2 1/2 lbs. each.

Available Models:

Model D42 - Smooth Cutting Edge
Model D56 - Serrated Cutting Edge



AXE SHEATH

Designed to hold the Model # D42 or Model # D56 crash axe. Made of durable vinyl coated polyester. Can be worn on any belt up to 2" wide.



MODEL D42 & D56

MODEL 560

CARRYING BAGS



Model TB7 - Carrying bag for Model # TP-7 tripod, made of tough, 600-denier woven nylon fabric.

Model TB9 - Carrying bag for Model # TP-9 tripod, made of tough, 600-denier woven nylon fabric.

MODEL TB7 & TB9

CARRYING BAGS

Model WB1 - Carrying bag for Sentry Self-Retracting Lifelines, retrieval winches or other equipment. Bag is made of tough, 600-denier woven nylon fabric and has a solid reinforced bottom with feet. Measures 12" high x 12" wide x 20" long.

Model WB2 - Same as WB1 except without reinforced bottom and feet.

Model CB1 - Made of tough, 600-denier woven nylon fabric and measures 10" high x 10" wide x 18" long. Used for carrying harnesses, tools and other equipment.

Model CB3 - Same as CB1 except 7" X 7" X 12"

Model WB1 & WB2
12" high x 12" wide
x 20" long

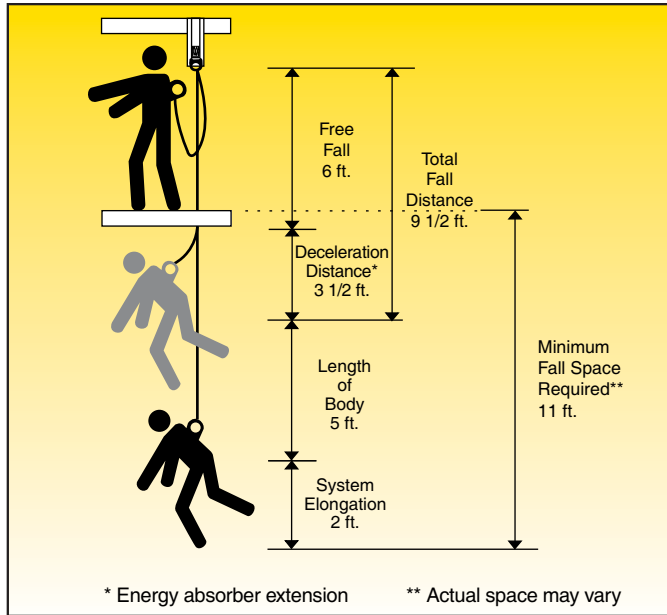


Model CB1
10" high x 10" wide
x 18" long

Model CB3
7" X 7"
X 12" long

WB & CB SERIES

PROPER TIE-OFF WITH 6 FT. ENERGY ABSORBER



FALL AND DECELERATION DISTANCES

The distance a worker can fall should be kept as short as possible. OSHA requires that fall arrest systems be rigged in such a way as to limit free fall distance to a maximum of 6' and not allow a worker to contact a lower surface. To reduce free fall distances, lanyards should be as short as possible.

Deceleration distance is the distance which is used to arrest a fall. It is important that deceleration distance, as well as free fall distance, be considered when evaluating a fall hazard to ensure that a worker will not come in contact with a lower level and to reduce the possibility of serious injury. When using stitch or tear webbing, the maximum deceleration distance allowed is 42" (3 1/2'). This distance is not included in the 6' maximum free fall. Therefore, a severe fall can include a free fall of up to 6' and a deceleration distance of up to 42" (3 1/2') for a total fall distance of 9 1/2'. (It is also important to keep in mind lifeline elongation and the length of the user's body when determining how much fall space is required). Always allow at least a 2' safety margin when rigging your fall arrest system.

IMPORTANT OSHA INFORMATION

The following applicable regulations for fall protection and safety are excerpted directly from the Occupational Safety and Health Administration Standards Sub-part M (1926.500-503), Sub-part F (1910.66) and Sub-part R (1926.750-761) among others. The full text of the code is available in the Federal Register.

- Each employee on a walking/working surface 6 feet (1.8m) or more above lower levels shall be protected from falling by a guardrail system, safety net system, or personal fall arrest system.
- "Personal fall arrest system" means a system used to arrest an employee in a fall from a working level. It consists of an anchorage, connectors, a body harness and may include a lanyard, deceleration device, lifeline, or suitable combination of these. As of January 1, 1998, the use of a body belt for fall arrest is prohibited.
- Personal fall arrest systems, when stopping a fall, shall:
 - limit maximum arresting force on an employee to 1,800 lbs. (8 kN) when used with a body harness;
 - be rigged such that an employee can neither free fall more than 6 feet (1.8m), nor contact any lower level;
 - bring an employee to a complete stop and limit maximum deceleration distance an employee travels to 3.5 feet (1.07m); and,
 - have sufficient strength to withstand twice the potential impact energy of an employee free falling a distance of 6 feet (1.8m), or the free fall distance permitted by the system, whichever is less.
- The attachment point of the body harness shall be located in the center of the wearer's back near shoulder level, or above the wearer's head.
- Personal fall arrest systems and components subjected to impact loading shall be immediately removed from service and shall not be used again for employee protection until inspected and determined by a competent person to be undamaged and suitable for reuse.
- The employer shall provide for prompt rescue of employees in the event of a fall or shall assure that employees are able to rescue themselves.
- Personal fall arrest systems shall be inspected prior to each use for wear, damage and other deterioration, and defective components shall be removed from service.
- **Selection and use considerations** — The kind of personal fall arrest system selected should match the particular work situation, and any possible free fall distance should be kept to a minimum.



Consideration should be given to the particular work environment. For example, the presence of acids, dirt, moisture, oil, grease, etc., and their effect on the system, should be evaluated. Hot or cold environments may also have an adverse effect on the system.

Wire rope should not be used where an electrical hazard is anticipated.

- **Component compatibility considerations** — Ideally, a personal fall arrest system is designed, tested, and supplied as a complete system. However, it is common practice for lanyards, connectors, lifelines, deceleration devices, body belts and body harnesses to be interchanged since some components wear out before others. The employer and employee should realize that not all components are interchangeable.
- **Employee training considerations** — Thorough employee training in the selection and use of personal fall arrest systems is imperative. Employees must be trained in the safe use of the system. This should include the following:
 - application limits; proper anchoring and tie-off techniques; estimation of free fall distance, including determination of deceleration distance, and total fall distance to prevent striking a lower level; methods of use; and inspection and storage of the system.
 - Careless or improper use of the equipment can result in serious injury or death . . . Of uppermost importance is the reduction in strength caused by certain tie-offs (such as using knots, tying around sharp edges, etc.) and maximum permitted free fall distance. Also to be stressed are the importance of inspections prior to use, the limitations of the equipment, and unique conditions at the worksite which may be important in determining the type of system to use.

The above information highlights the OSHA Standards that apply to fall protection. Employers and employees should read and understand all applicable regulations to assure compliance.

Gemtor equipment is designed and manufactured to comply with the requirements of The Occupational Safety and Health Act (OSHA); exceptions are noted. Compliance with laws, standards, and specifications are on the date of shipment from the point of manufacture. Call Gemtor Toll-Free at (800) 405-9048 if there are any questions regarding the use of any equipment or compliance with applicable standards.



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GIC604 Rev.A