

Effective February 23, 2013:

# New ANSI/ITSDF B56.1 Standard For Lanyards and Harnesses

## Does Your Fall Protection Meet the New Standard?

Effective February 23, 2013, the ANSI/ITSDF B56.1 Safety Standard for low lift and high lift trucks on operator-up trucks will be based on operator weight. According to the ANSI/ITSDF B56.1 Standard, clause 4.17, an energy-absorbing or self-retracting lanyard is now required when using an operator-up truck. Fixed length, non-absorbing lanyards are no longer permitted for these applications. Please refer to clauses 4.17.1, 4.17.2 and the following Personal Fall Protection System Configurations (Tables 1a and 1b). To download a free copy of the entire ANSI/ITSDF B56.1 Safety Standard, go to [www.itsdf.org](http://www.itsdf.org).

The Promatch® parts program offers a full line of fall protection equipment that may be used to address the new requirements.

### 4.17 Elevating Personnel

**4.17.1** Only operator-up high lift trucks have been designed to lift personnel. On these trucks the requirements of paragraph 4.17.2 shall be met for the protection of personnel. If a work platform is used on trucks designed and intended for handling materials, the requirements of paras. 4.17.2 and 4.17.3 shall be met for the protection of personnel. **4.17.2** Whenever a truck is used to elevate personnel, the following precautions for the protection of personnel shall be taken:

- (a) Comply with the design requirements in para. 7.37 of this Standard.
- (b) Provide protection for personnel in their normal working position on the platform from moving parts of the truck that represent a hazard.
- (c) Make sure required fall restraint means, such as guardrails and/or personal fall protection systems, are in place and properly used (see 7.37.1(d)(1)). For personal fall protection system configurations, see Table 1.
- (d) Be certain that the lifting mechanism is operating smoothly throughout its entire lift height, both empty and loaded, and that all lift limiting devices and latches, if provided, are functional.
- (e) Provide overhead protection as indicated to be necessary by the operating conditions.
- (f) All components of the personal fall protection system shall be inspected and maintained in accordance with the schedule and requirements found in Section 6 of ANSI/ASSE Z359.1-2007 Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components.

**Table 1(a) Personal Fall Protection System Configurations (pounds)**

Fall Protection/Prevention Device	Operator Weights (lbs.)						
	< 200			200-310 <sup>(1)</sup>		311-400 <sup>(1)</sup>	> 400 <sup>(1)</sup>
Body Belt	X						Contact Truck Manufacturer
Full Body Harness		X	X	X	X	X	
Energy Absorber - Max Total Length (6 ft.)			X	X			
Self-Retracting Lanyard	X	X		X		X <sup>(2)</sup>	
Maximum Arresting Force Permitted (lbs.)	900	1,800	1,800	1,800	1,800	1,800	

<sup>(1)</sup> Truck Capacity shall be reduced by the operator(s) weight in excess of 220 lbs.

<sup>(2)</sup> Self Retracting Lanyard - shall be rated for the operator's weight. Contact Truck Manufacturer.

**Table 1(b) Personal Fall Protection System Configurations (kilograms)**

Fall Protection/Prevention Device	Operator Weights (kg)						
	< 100			100-140 <sup>(1)</sup>		141-181 <sup>(1)</sup>	> 181 <sup>(1)</sup>
Body Belt	X						Contact Truck Manufacturer
Full Body Harness		X	X	X	X	X	
Energy Absorber - Max Total Length (1820 mm)			X	X			
Self-Retracting Lanyard	X	X		X		X <sup>(2)</sup>	
Maximum Arresting Force Permitted (N)	4,000	8,000	8,000	8,000	8,000	8,000	

<sup>(1)</sup> Truck Capacity shall be reduced by the operator(s) weight in excess of 100 kg.

<sup>(2)</sup> Self Retracting Lanyard - shall be rated for the operator's weight. Contact Truck Manufacturer.

## Fall Limiters

---

### Turbo T-BACK™ Tie-Back Personal Fall Limiter

Part Number: A000040608

- All-in-one, self-retracting lifeline/anchorage connector with a working capacity of 7.5 feet (2.3 m)
- Maximum working load rated to 400 pounds (181.4 kg)
- Designed for anchoring below a user's harness back D-ring for greater safety
- Integrated shock absorber especially designed for tie-back applications with load indicator device
- Locking snap hook with 3/4 inch gate opening designed specifically for tie-back use (5,000 pounds gate load capacity from any angle)

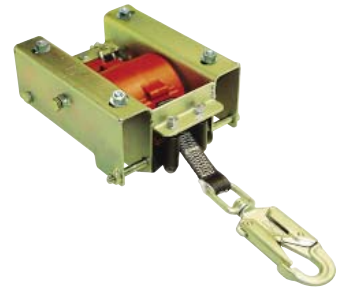


---

### MiniLite™ Fall Limiter with Cab Mount Bracket

Part Number: A000012869

The MiniLite Fall Limiter is an 11 feet (3.4 m) self-retracting web lanyard with a quick-activating braking system that limits free falls. In contrast to shock-absorbing lanyards, a fall limiter eliminates the need for extended fall distance clearance, minimizing the risk of injuries and making rescue easier. Contains a swivel snap hook on web lanyard end. The maximum working load is rated to 310 pounds (140.6 kg).



---

### Titan™ Fall Limiter

Part Number: A000013206

- Offers 11 feet (3.4 m) of working capacity
- Maximum working load rated to 310 pounds (140.6 kg)
- Includes stainless steel swivel shackle and carabiner
- Requires less fall clearance than shock-absorbing lanyards
- Offers more mobility than a shock-absorbing lanyard
- Quick-activating stainless steel braking mechanism arrests free falls
- Compact, lightweight design, corrosion-resistant interior components



# Shock-Absorbing Lanyards

## Titan Tubular Shock-Absorbing Lanyard

Titan Tubular Shock-Absorbing Lanyards feature a built-in woven inner core that smoothly expands to reduce fall arrest forces, while the outer jacket serves as a back-up web lanyard.



Part Number	Material	Number of Legs	Harness Connection	Anchorage Connection	Length	Maximum Working Load
A000014119	Webbing	One	Choke-Off Loop	Locking Snap Hook	6 ft.	310 lbs. (141.6 kg)
A000014120	Webbing	One	Locking Snap Hook	Locking Snap Hook	6 ft.	310 lbs. (141.6 kg)

## Titan Pack-Type Shock-Absorbing Lanyard

Titan Pack-Type Shock-Absorbing Lanyards include the shock absorber pack as an integral part of a standard lanyard. In the event of a fall, the pack smoothly expands to reduce fall forces while a back-up safety strap deploys for added fall protection.



Part Number	Material	Number of Legs	Harness Connection	Anchorage Connection	Length	Maximum Working Load
A000013013	Webbing	One	Locking Snap Hook	Locking Snap Hook	4-6 ft.	310 lbs. (141.6 kg)

## Web Lanyard with SofStop® Shock Absorber

The Miller SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands up to 42 inches (1.1 m) to reduce fall arrest forces.



Part Number	Description	Material	Number of Legs	Harness Connection	Anchorage Connection	Length	Maximum Working Load
A000032573	Lanyard w/SofStop Double Pack for 12 ft. Free Fall	Webbing	One	Locking Snap Hook	Locking Snap Hook	6 ft.	400 lbs. (181.4 kg)

## SofStop® Shock Absorber Only



Part Number	Description	Material	Number of Legs	Harness Connection	Anchorage Connection	Length	Maximum Working Load
A000040607	SofStop Absorber	-	-	Locking Snap Hook	D-ring	18 in.	310 lbs. (141.6 kg)

# Body Harnesses

## DuraFlex® Warehouse Picker's Stretchable Harness

DuraFlex Harnesses conform to the shape of the worker, stretching with every movement, so there is no bunching, binding or kinking. With comfort unsurpassed, DuraFlex Harnesses offer wider end-user acceptance. And, a comfortable harness is worn properly, enhancing compliance and safety on the job site. Because DuraFlex Harnesses are stretchable, the worker has greater mobility with less fatigue.

- Back D-ring web extension
- Mating chest strap buckle
- Friction shoulder strap buckles
- Mating leg strap buckles
- Sub-pelvic strap
- Pull-down adjustment
- Pull-free lanyard rings
- Rated to 400 pounds (181.4 kg) capacity

Part Number	Size
A000040604	Small/Medium
A000040605	Universal



## Fully Body Harness

- Fully adjustable designs
- Sliding back D-ring (no side D-ring)
- Mating shoulder strap buckles
- Mating chest strap buckle
- Two (2) pull-free lanyard rings
- Rated to 400 pounds (181.4 kg) capacity

Part Number	Size
A000013010	Small/Medium
A000013012	Large/X-Large
A000019525	XX-Large
A000040606	XXX-Large



### Harness Size Reference Chart

