

Fall Protection Products



TITAN[®]
BY **MILLER**

Titan by Miller is a complete line of compliance fall protection products.

Quality Assurance

Titan fall protection products are manufactured by the leading supplier of fall protection in the world. That means the same quality workmanship you've come to know and expect from Miller® brand products is used in the production of Titan products as well. Bacou-Dalloz™ is committed to consistent, high quality design, development, production, installation and service of all its products – our manufacturing facilities are ISO 9001:2000 certified. With Titan fall protection products, you don't sacrifice quality for a better price.

Safety Performance

All Titan fall protection products meet applicable OSHA, ANSI, and CSA standards ensuring safety and compliance on the jobsite. Bacou-Dalloz maintains an in-house testing facility utilizing state-of-the-art equipment to verify that specific standards are achieved and assure safety performance.

Competitive Price

Titan fall protection products are user-friendly and safe with a limited offering of "add-on" features. This is what makes the Titan line a cost-effective choice for fall protection.

Personal Fall Arrest System

Three key components of the Personal Fall Arrest System (PFAS) must be in place and properly used to provide maximum worker protection.

A Anchorage/ Anchorage Connector

Anchorage: Commonly referred to as a tie-off point (Ex: I-beam)

Anchorage Connector: Used to join the connecting device to the anchorage (Ex: cross-arm strap)

B Body Wear

Body Wear: The personal protective equipment worn by the worker (Ex: full-body harness)

C Connecting Device

Connecting Device: The critical link which joins the body wear to the anchorage/anchorage connector (Ex: shock-absorbing lanyard, fall limiter)

Individually, these components will not provide protection from a fall. Used properly in conjunction with each other, however, they form a Personal Fall Arrest System that becomes vitally important to safety on the jobsite.

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The new Titan T-FLEX™ Stretchable Harnesses have a durable, *stretch* webbing construction for improved comfort and greater mobility.

- **Competitively-priced** harness with comfort-stretch webbing available only from Titan
- **Fully adjustable design** for maximum comfort
- **Non-slip mating buckle chest strap** promotes proper fit
- **Sub-pelvic strap** for added safety and support
- **Leg strap webbing in a contrasting color** for ease of donning
- **One universal size fits most**
- **Back strap increases safety** by preventing roll out in the event of a fall
- **Sliding back D-ring and pad** ensure correct back D-ring positioning
- **Pull-free lanyard ring** for added convenience

Patented Stretchable Webbing for Greater Comfort



Harness TF4000/U

Patented stretchable elastomer



Tough interwoven webbing



TF4000FD/U

Stretchable webbing/
mating buckles/front D-ring



TF4500/U

Stretchable webbing/
tongue buckles



TF4007/U

Stretchable webbing/
mating buckles/side D-rings



TF4577/U

Stretchable webbing/
tongue buckles/side D-rings/
removable tool belt w/back pad

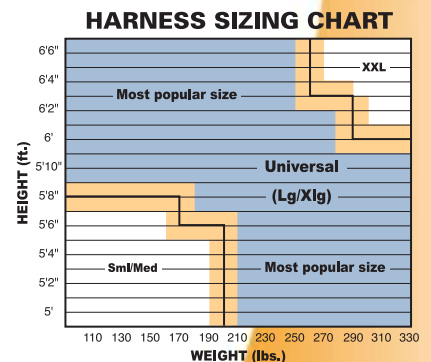
Relief Step Safety Device Helps Prevent Suspension Trauma!
(See page 11 for details)

T-FLEX Stretchable Harness Models

Model No.	Side D-Rings	Front D-Ring	Shoulder Strap Buckles	Leg Strap Buckles
TF4000/U	No	Option	Mating	Mating
TF4000FD/U	No	Yes	Mating	Mating
TF4500/U	No	Option	Mating	Tongue
TF4007/U	Yes	Option	Mating	Mating
TF4507/U	Yes	Option	Mating	Tongue
TF4577/U*	Yes	Option	Mating	Tongue

Model numbers listed are for universal size. Harnesses are also available in Small/Medium and XXLarge, by replacing the "U" in the model number with S/M or XXL.

*Contractor harness also features a removable tool belt and back pad with side D-rings for positioning.



Titan Full-Body Non-Stretch Harnesses

**NEW
IMPROVED
WEBBING**

Lightweight, durable webbing for all day comfort and dependability.

- Fully adjustable designs
- Sub-pelvic strap
- Sliding back D-ring
- Trilingual labeling and instructions

One "universal" size fits most.



T4007/U

Non-stretch webbing/
mating buckles/side D-rings



T4500/U

Non-stretch webbing/
tongue buckles



T4577/U

Non-stretch webbing/
tongue buckles/side D-rings/
removable tool belt w/back pad

**Relief Step Safety
Device Helps Prevent
Suspension Trauma!**
(See page 11 for details)

Full-Body Non-Stretch Harnesses

Model No.	Side D-Rings	Shoulder Strap Buckles	Leg Strap Buckles
T4000/U	No	Mating	Mating
T4007/U	Yes	Mating	Mating
T4500/U	No	Mating	Tongue
T4507/U	Yes	Mating	Tongue

Contractor Full-Body Non-Stretch Harnesses*

Model No.	Side D-Rings	Shoulder Strap Buckles	Leg Strap Buckles
T4078/U	Yes	Mating	Mating
T4577/U	Yes	Mating	Tongue

Model numbers listed are for universal size. Harnesses are also available in Small/Medium and XXLarge, by replacing the "U" in the model number with S/M or XXL.

*Contractor harness also features a removable tool belt and back pad with side D-rings for positioning.

T4507/U

Titan Body Belts

As of January 1, 1998, OSHA requires full-body harnesses for fall protection in the construction industry. Body belts should be used for work positioning only.

- Quality craftsmanship
- Body belts can be used in conjunction with a full-body harness to provide fall protection



T3010

Single D-ring body belt



T3020

Double D-ring body belt



T3310

Single D-ring body belt
w/back pad



T3320

Double D-ring body belt
w/back pad

Body Belts

Model No.	Description	Sizes
T3010	Body belt with tongue buckle, includes single D-ring	XS, S, M, L, XL, XXL
T3020	Body belt with tongue buckle, includes side D-rings	XS, S, M, L, XL, XXL
T3310	Body belt with tongue buckle, includes single D-ring and 3-inch (76mm) back pad	XS, S, M, L, XL, XXL
T3320	Body belt with tongue buckle, includes side D-rings and 3-inch (76mm) back pad	XS, S, M, L, XL, XXL

Titan Shock-Absorbing Lanyards

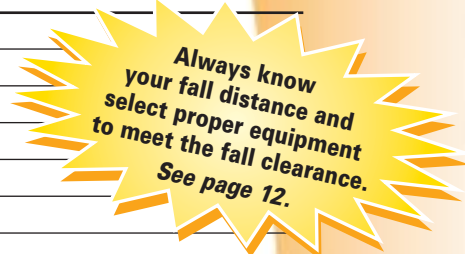
- **Lightweight, durable webbing** • **Locking snap & rebar hooks** • **Two-legged models available for continuous tie-off**

Tubular Shock-Absorbing Lanyards feature a built-in woven inner core which smoothly expands 3-1/2 feet (1.1m) to reduce fall arrest forces, while the outer jacket serves as a back-up web lanyard.



T5111/6FT T5121/6FT T5122/6FT T5112/6FT T5113/6FT

Model No.	No. of Legs	Harness Connection	Anchorage Connection	Lanyard Length
T5011/6FT	One	Choke-Off Loop	Locking Snap Hook	6 ft. (1.8m)
T5111/6FT	One	Locking Snap Hook	Locking Snap Hook	6 ft. (1.8m)
T5112/6FT	One	Locking Snap Hook	Large Locking Rebar Hook	6 ft. (1.8m)
T5113/6FT	One	Locking Snap Hook	Small Locking Rebar Hook	6 ft. (1.8m)
T5121/6FT	Two	Locking Snap Hook	Locking Snap Hooks	6 ft. (1.8m)
T5122/6FT	Two	Locking Snap Hook	Large Locking Rebar Hooks	6 ft. (1.8m)
T5123/6FT	Two	Locking Snap Hook	Small Locking Rebar Hooks	6 ft. (1.8m)



Small Locking Rebar Hook (1-3/4" [44mm] gate opening). Large Locking Rebar Hook (2-1/4" [57mm] gate opening). Available from 4 ft. (1.2m) to 10 ft. (3m) lengths.

Stretch Tubular Built-In Shock-Absorbing Lanyards contract from 6 ft. (1.8m) to 4 ft. (1.2m) to reduce tripping hazard.

New!



T5111SS/6FT

Model No.	No. of Legs	Harness Connection	Anchorage Connection	Lanyard Length
T5111SS/6FT	One	Locking Snap Hook	Locking Snap Hook	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T5112SS/6FT	One	Locking Snap Hook	Large Locking Rebar Hook	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T5121SS/6FT	Two	Locking Snap Hook	Locking Snap Hooks	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T5122SS/6FT	Two	Locking Snap Hook	Large Locking Rebar Hooks	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)

Large Locking Rebar Hook (2-1/4" [57mm] gate opening). Available from 4 ft. (1.2m) to 10 ft. (3m) lengths.

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 expands 3-1/2 feet (1.1m) to reduce fall forces while a back-up safety strap deploys for added fall protection.



T6111/6FT T6121/6FT T6122/6FT

Model No.	No. of Legs	Harness Connection	Anchorage Connection	Lanyard Length
T6111/6FT	One	Locking Snap Hook	Locking Snap Hook	6 ft. (1.8m)
T6111V/6FT	One	Locking Snap Hook	Locking Snap Hook	Adjustable 4 ft. (1.2m) - 6 ft. (1.8m)
T6112/6FT	One	Locking Snap Hook	Large Locking Rebar Hook	6 ft. (1.8m)
T6112V/6FT	One	Locking Snap Hook	Large Locking Rebar Hook	Adjustable 4 ft. (1.2m) - 6 ft. (1.8m)
T6113/6FT	One	Locking Snap Hook	Small Locking Rebar Hook	6 ft. (1.8m)
T6121/6FT	Two	Locking Snap Hook	Locking Snap Hooks	6 ft. (1.8m)
T6122/6FT	Two	Locking Snap Hook	Large Locking Rebar Hooks	6 ft. (1.8m)
T6123/6FT	Two	Locking Snap Hook	Small Locking Rebar Hooks	6 ft. (1.8m)

Small Locking Rebar Hook (1-3/4" [44mm] gate opening). Large Locking Rebar Hook (2-1/4" [57mm] gate opening). Available from 3 ft. (.9m) to 10 ft. (3m) lengths.

Stretch Pack-Type Shock-Absorbing Lanyards contract from 6 ft. (1.8m) to 4 ft. (1.2m) to reduce tripping hazard.

New!



T6111SS/6FT

Model No.	No. of Legs	Harness Connection	Anchorage Connection	Lanyard Length
T6111SS/6FT	One	Locking Snap Hook	Locking Snap Hook	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T6112SS/6FT	One	Locking Snap Hook	Large Locking Rebar Hook	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T6121SS/6FT	Two	Locking Snap Hook	Locking Snap Hooks	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)
T6122SS/6FT	Two	Locking Snap Hook	Large Locking Rebar Hooks	Contracts 6 ft. (1.8m) to 4 ft. (1.2m)

Large Locking Rebar Hook (2-1/4" [57mm] gate opening). Available from 3 ft. (.9m) to 10 ft. (3m) lengths.

Titan T-BAK™ Lanyard

The new Titan T-BAK™ lanyard with pack-type shock absorber is designed for tie-back use, eliminating the need for a separate anchorage connector.

- Special webbing (9800 lbs. [4445kg]) for **greater abrasion resistance**
- Forged sliding D-ring for **ease of use**
- Auto-locking carabiner for **added safety**
- **Locking snap hook** for connecting to the harness back D-ring
- Shock-absorber pack that keeps **fall forces at or below 900 lbs. (408kg)**

New!



Single leg tie-back lanyard



Double leg tie-back lanyard

New!

Designed for Tie-Back Use

T6111TB/6FT

Model No.	Description
T6111TB/6FT	6 ft. (1.8m) single leg web lanyard; tie-back design; pack-type shock absorber; locking snap hook for harness connection; sliding D-ring; auto-lock carabiner at anchor end
T6121TB/6FT	6 ft. (1.8m) double leg web lanyard; tie-back design; pack-type shock absorber; locking snap hook for harness connection; sliding D-ring; auto-lock carabiner at anchor end

Always know your fall distance and select proper equipment to meet the fall clearance. See page 12.

Titan Harness/Lanyard Combos

Model No.	Description
HARNESS/SHOCK-ABSORBING LANYARD	
TK4051/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) tubular shock-absorbing lanyard (T5111/6FT)
TK4052/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) tubular shock-absorbing lanyard w/locking rebar hook 2-1/4" (57mm) gate opening (T5112/6FT)
TK4053/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) tubular shock-absorbing lanyard w/locking rebar hook 1-3/4" (44mm) gate opening (T5113/6FT)
TK4054/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> double legged 6 ft. (1.8m) tubular shock-absorbing lanyard w/locking rebar hooks 2-1/4" (57mm) gate openings (T5122/6FT)
TK4061/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) lanyard w/shock absorber pack (T6111/6FT)
TK4551/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U); <u>Attached</u> 6 ft. (1.8m) tubular shock-absorbing lanyard (T5111/6FT)
TK4751/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps & side D-rings for positioning (T4507/U); <u>Attached</u> 6 ft. (1.8m) tubular shock-absorbing lanyard (T5111/6FT)
HARNESS/POSITIONING LANYARD*	
TK4091W/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) web lanyard for positioning/restraint only (T9111W/6FT)
TK4091W/U/4FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 4 ft. (1.2m) web lanyard for positioning/restraint only (T9111W/6FT)
TK4093W/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); <u>Attached</u> 6 ft. (1.8m) web lanyard for positioning/restraint only w/locking rebar hook 1-3/4" (44mm) gate opening (T9113W/6FT)
TK4791/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps & side D-rings for positioning (T4507/U); <u>Attached</u> 6 ft. (1.8m) web lanyard for positioning/restraint only (T9111W/6FT)

Combo
TK4051/U/6FT



*An additional connecting device must also be used for fall protection (such as, shock-absorbing lanyards, self-retracting lifelines or fall limiters).

Titan Positioning & Restraint Lanyards - Positioning Assemblies



T9111R/6FT



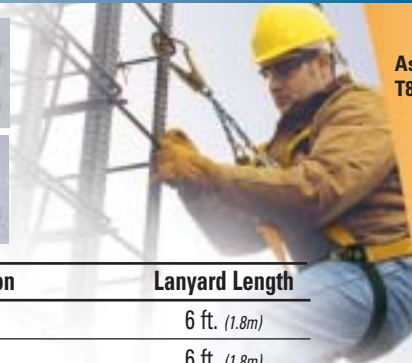
T9111W/6FT



T8221



T8221W



Assembly
T8221

Harness
TF4507/U

Positioning & Restraint Lanyards

Model No.	Material	Harness Connection	Anchorage Connection	Lanyard Length
T9111R/6FT	5/8" (16mm) Rope	Locking Snap Hook	Locking Snap Hook	6 ft. (1.8m)
T9111W/6FT	Webbing	Locking Snap Hook	Locking Snap Hook	6 ft. (1.8m)
T9112R/6FT	5/8" (16mm) Rope	Locking Snap Hook	Locking Rebar Hook (2-1/4" [57mm] gate opening)	6 ft. (1.8m)
T9112W/6FT	Webbing	Locking Snap Hook	Locking Rebar Hook (2-1/4" [57mm] gate opening)	6 ft. (1.8m)
T9113W/6FT	Webbing	Locking Snap Hook	Locking Rebar Hook (1-3/4" [44mm] gate opening)	6 ft. (1.8m)

Standard length is 6 feet (1.8m); also available in lengths from 2 feet (.6m) to 10 feet (3m).

Locking snap hook – 3/4" (19mm) gate opening.

Positioning Assemblies

Model No.	Description
T8221	13-link rebar chain assembly with two locking snap hooks and one locking rebar hook (2-1/4" [57mm] gate opening)
T8221W	Web positioning assembly with two locking snap hooks and one locking rebar hook (2-1/4" [57mm] gate opening)

Locking snap hook – 3/4" (19mm) gate opening; Locking rebar hook – 2-1/4" (57mm).

Aerial Lift Positioning & Restraint Kits

Kit Model No.	Description
TK4091W/U/6FT	T4000/U full-body harness w/mating buckle leg straps and attached 2' (.6m) T9111W/6FT web positioning and restraint lanyard
TK4093W/U/6FT	T4000/U full-body harness w/mating buckle leg straps and attached 4' (1.2m) T9113W/6FT web positioning and restraint lanyard w/locking rebar hook (1-3/4" [44mm] gate opening)

Titan Self-Retracting Lifeline Series

Titan Self-Retracting Lifelines (SRLs) are ideal for a full-range of applications including construction and general maintenance. Constructed of durable, impact-resistant housings with steel frames, Titan SRLs are designed to endure the demands of rigorous work environments.

- Affordably priced
- Quick-activating braking mechanism
- Variety of working lengths
- No annual factory recertification required*
- Snap hook with swivel; carabiner included
- Narrow payout port

Meets OSHA 1926.502, ANSI Z359.1, ANSI A10.14 and CSA Z259.2.2-98 Type 2.

*Except in Canada where the Canadian Standards Association requires annual factory recertification.



New!



3/16" Galvanized
Wire Rope

New!



3/16" Galvanized
Wire Rope



TRW/20FT

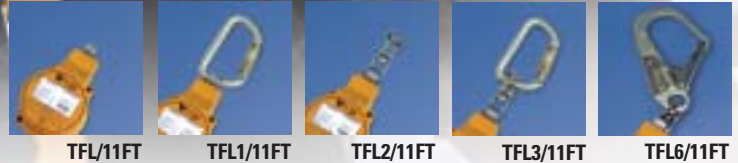
Model No.	Length	Housing Material	Lifeline Material	Weight
TRW/20FT	20' (6m)	Aluminum and Stainless Steel	1" (25mm) Webbing	8 lbs. (3.6 kg)
TR20/20FT	20' (6m)	Glass-filled Polypropylene	3/16" (5mm) Galvanized wire rope	11 lbs. (5 kg)
TR30/30FT	30' (9m)	Glass-filled Polypropylene	3/16" (5mm) Galvanized wire rope	13 lbs. (5.8 kg)
TR50/50FT	50' (15m)	Glass-filled Polypropylene	3/16" (5mm) Galvanized wire rope	18 lbs. (8 kg)
TR65/65FT	65' (20m)	Glass-filled Polypropylene	3/16" (5mm) Galvanized wire rope	19 lbs. (8.6 kg)

1" Webbing

New! Titan Fall Limiter

- Requires less fall clearance than shock-absorbing lanyards, making rescue easier and reducing trip hazards
- Increases productivity over a shock-absorbing lanyard by increasing a worker's mobility
- Offers 11 feet (3.3m) of working capacity compared to a standard shock-absorbing lanyard that only provides 6 feet (1.8m) of mobility
- Quick-activating stainless steel braking mechanism arrests free falls
- Compact, lightweight design
- Corrosion-resistant interior components
- **No annual factory recertification required**
- Visual load indicator

11 ft. of Working Capacity



Model No.	Description	Weight
TFL/11FT	Titan Fall Limiter without an anchorage connector	2.5 lbs. (1.1 kg)
TFL1/11FT	Titan Fall Limiter w/steel twist-lock carabiner	2.8 lbs. (1.3 kg)
TFL2/11FT	Titan Fall Limiter w/stainless steel swivel shackle	2.6 lbs. (1.2 kg)
TFL3/11FT	Titan Fall Limiter w/stainless steel swivel shackle & carabiner	2.9 lbs. (1.3 kg)
TFL6/11FT	Titan Fall Limiter w/stainless steel swivel shackle; locking rebar hook (2-1/4" [57mm] gate opening)	3.2 lbs. (1.5 kg)

Titan Compact Retractable Web Lanyard

Designed for limited-range applications, the Titan Retractable Web Lanyard is lightweight and dependable.

Model No.	Description	Weight
TRW/8FT	8' (2.4m) Webbing retractable lanyard	2.5 lbs. (1.1kg)
TRWS/8FT	8' (2.4m) Webbing retractable lanyard with top swivel	2.7 lbs. (1.2kg)



Titan Anchorage Connectors

Permanent D-Bolt Anchor

Model No.	Description
T415	1-1/4" (32mm) long (one piece unit w/lockwasher & nut); 1/2" (13mm) diameter D-bolt



Cross-Arm Strap

Model No.	Description
T7314/6FT	1-3/4" (44mm) webbing cross-arm strap features a D-ring which slips through a web loop.



Standard length is 6 feet (1.8m); also available in lengths from 3 feet (.9m) to 10 feet (3m) by replacing the "6" in the model number with the desired length (Ex. T7314/4FT would represent a 4 ft. cross arm strap.)

Titan Permanent Roof Anchors

Permanent roof anchorage designed for residential or commercial construction.

D SINGLE PERMANENT ROOF ANCHOR



The Titan Single D permanent roof anchor is designed to provide one (1) D-ring anchorage point when securely installed on a wood roof sub-surface or vertical wall. Accommodates single user for fall protection.

D DOUBLE PERMANENT ROOF ANCHOR



The Titan Double D permanent roof anchor is designed to provide two (2) D-ring anchorage points when securely installed on a wood roof sub-surface. Accommodates single user for fall protection.

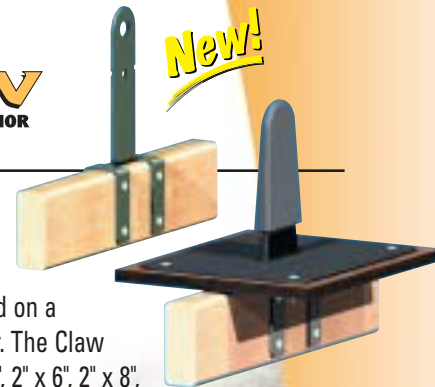


Use the Permanent Roof Anchors on new or existing roofs to provide a quick, safe anchorage point.

Single D Roof Anchors can also be used for vertical applications.

Model No.	Description
RA41	Stainless steel permanent single D-ring roof anchor over a wood ridge peak. Complete with 8, 16d nails.
RA40	Stainless steel permanent double D-ring roof anchor over a wood ridge peak. Complete with 8, 16d nails.

Claw PERMANENT ROOF ANCHOR



The Titan Claw permanent roof anchor is designed to provide a single anchorage point when securely installed on a wood rafter or truss member. The Claw anchor fits wood sizes 2" x 4", 2" x 6", 2" x 8", 2" x 10" or 2" x 12".

Accommodates single user for fall protection.



Model No.	Description
RA45	Stainless steel permanent roof anchor over wood rafter/truss members. Complete with UV resistant *Santoprene® flashing, protective cap and 12, 1-1/2" nails.

*Santoprene® is a registered trademark of Monsanto Corporation.

Titan Temporary Roof Anchors



TRA10-1/12

- 12 single use w/nails



TABD15

- Reusable
- D-rings/screws



TRA20-1

- 2 Reusable w/screws



TRA30-1

- Reusable; steep-pitched or flat roof



TRA35-1

- Reusable; flat surfaces



T17D

- Steel, auto-locking carabiner

Accessories

Titan Grip™ Portable/Reusable Anchorage Connector

Designed for use in concrete applications

- A **safe anchor point** is established when the Titan Grip™ anchor is inserted into a properly-sized, cured concrete hole
- The **reusable Titan Grip anchor** can be removed and simply re-installed in a new location
- Designed for **vertical or overhead/ceiling surface applications**
- Constructed of stainless steel, aluminum and other non-corrosive materials for a **longer service life**
- **Designed for use in cured concrete** with a compression strength of at least 3,000 psi
- **Color-coded** to differentiate fall protection from multi-use models per OSHA regulations

Model No.	Size	Description
T496	3/4" (19mm)	5,000 lb. (2268kg) capacity for single user connection



Designed for **single user** fall protection applications. A safe 5,000 lb. (2268kg) anchor point is established by drilling a 3/4-inch (19mm) diameter hole in cured concrete and inserting the Titan Grip anchor. A variety of connecting devices including a shock-absorbing lanyard or self-retracting lifeline can be attached to the Titan Grip.

Titan Beam Anchor

The Titan Beam Anchor connects horizontally to a wide range of I and H beam flanges from 3 inches (76mm) to 14 inches (358mm) wide. Once attached, the unit slides along the beam with the worker to provide increased safety, mobility and productivity.

Model No.	Description	Fits Flange Sizes	Thickness
T8811	Steel construction	5" (127mm) to 12" (305mm)	1-1/4" (31mm)
T8816-14	Aluminum & bronze construction	3" (76mm) to 14" (355mm)	1-1/4" (31mm)

Double-Pack Lanyards for use with Beam Anchors positioned at a worker's feet.

Model No.	Shock-Absorber Type	Number of Legs	Harness Connection	Anchorage Connection	Lanyard Length
T6111DP/6FT*	Pack-Type	One	Locking Snap Hook	Locking Snap Hook	6 ft. (1.8m)
T6121DP/6FT*	Pack-Type	Two	Locking Snap Hook	Locking Snap Hooks	6 ft. (1.8m)

*Keeps forces to 1,800 lbs. or less when attached at a worker's feet for up to 12 ft. free fall.



Titan ReadyRoofer® Fall Protection System

Lightweight, Full-Body Harness

- Fully adjustable, non-stretch harness (T4000)

Versatile, Reusable Roof Anchor w/Attachment D-Ring

- Easily installs on steep-pitched or flat surface roofs
- Reusable roof anchor

Compact Trailing Rope Grab

- Durable, corrosion-resistant, stainless steel construction
- Attaches anywhere on the lifeline
- Lightweight, easy-to-use design with hands-free operation

Shock-Absorbing Lanyard

- 3-foot (.9m) polyester web lanyard with integral shock absorber and two locking snap hooks

High-Strength Rope Lifeline

- 5/8-inch (16mm) diameter polyester/polypropylene rope with loop and locking snap hook
- 9,300 lb. tensile strength, treated to combat ultraviolet rays

Water-Proof Container

- Ideal for equipment storage



Model No.	Description
TBRFK25/25FT	ReadyRoofer Fall Protection System w/25' (7.6m) rope lifeline
TBRFK50/50FT	ReadyRoofer Fall Protection System w/50' (15m) rope lifeline
TBRFK75/75FT	ReadyRoofer Fall Protection System w/75' (23m) rope lifeline
TBRFK100/100FT	ReadyRoofer Fall Protection System w/100' (30m) rope lifeline

*For harness with tongue buckle leg straps, add a "T" to the base model number after the letter "K" (Ex. TBRFKT50/50FT)

RELIEFTM STEP

SAFETY DEVICE



RELIEF STEPTM HELPS ...

PREVENT SUSPENSION TRAUMA

- OSHA states that potentially fatal suspension trauma can occur within minutes while waiting for rescue after a fall
- Average fall rescue time is 15 minutes
- When used, the Relief Step Safety Device provides support and enhances blood circulation until rescue – permitting the ability to move and flex leg muscles
- Small and lightweight; The Relief Step Safety Device **easily attaches to any brand full-body harness**



T9099X/12

New!



Attaches to any harness

Easy to Deploy & Use



Relief Step Safety Device



1
Pull tab to deploy



2
Insert foot into loop and adjust



3
Ability to stand allowing improved circulation



4
Two Relief Steps provide added support, balance & comfort

Model No.	Description
T9099X/12	Consists of a box of 12 Relief Step Safety Devices
T9099X/36BULK	36 Relief Step Safety Devices in bulk quantity

Complete Titan Fall Protection Kits

SAVE!
ON TITAN KITS

Construction & General Maintenance Fall Protection Kits

Kit Model No.	Description
TCK4000/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and 6' (1.8m) cross-arm strap (T7314/6FT)
TCK4500/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U); 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and 6' (1.8m) cross-arm strap (T7314/6FT)
TCK4007/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps and side D-rings (T4007/U); 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and 6' (1.8m) cross-arm strap (T7314/6FT)
TCK4507/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps and side D-rings (T4507/U); 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and 6' (1.8m) cross-arm strap (T7314/6FT)



Scaffolding Fall Protection Kits

Kit Model No.	Description
TSK4000/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U) and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)
TSK4500/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U) and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)
TSK4007/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps and side D-rings (T4007/U) and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)
TSK4507/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps and side D-rings (T4507/U) and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)



Concrete Fall Protection Kits

Kit Model No.	Description
TCRK4007/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps and side D-rings (T4007/U); rebar chain assembly (T8221); and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)
TCRK4507/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps and side D-rings (T4007/U); rebar chain positioning assembly (T8221); and 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT)



Roofing Fall Protection Kits

Kit Model No.	Description
TRK4000/25FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); 3' (.9m) pack-type, shock-absorbing lanyard (T6111/3FT); reusable roof anchor w/attachment D-ring; 5/8" (16mm) trailing rope grab (8173); and 25' (7.6m) rope lifeline (T300L-2/25FT)
TRK4000/50FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); 3' (.9m) pack-type, shock-absorbing lanyard (T6111/3FT); reusable roof anchor w/attachment D-ring; 5/8" (16mm) trailing rope grab (8173); and 50' (15m) rope lifeline (T300L-5/50FT)
TRK4500/25FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U); 3' (.9m) pack-type, shock-absorbing lanyard (T6111/3FT); reusable roof anchor w/attachment D-ring; 5/8" (16mm) trailing rope grab (8173); and 25' (7.6m) rope lifeline (T300L-2/25FT)
TRK4500/50FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U); 3' (.9m) pack-type, shock-absorbing lanyard (T6111/3FT); reusable roof anchor w/attachment D-ring; 5/8" (16mm) trailing rope grab (8173); and 50' (15m) rope lifeline (T300L-5/50FT)



Aerial Lift Fall Protection Kits

Kit Model No.	Description
TK4051B/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); attached 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and water-resistant storage bag w/rail attachment loops
TK4052B/U/6FT	Universal-sized, full-body harness w/mating buckle leg straps (T4000/U); attached 6' (1.8m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FT); and water-resistant storage bag w/rail attachment loops
TK4551B/U/6FT	Universal-sized, full-body harness w/tongue buckle leg straps (T4500/U); attached 6' (1.8m) tubular shock-absorbing lanyard (T5111/6FT); and water-resistant storage bag w/rail attachment loops



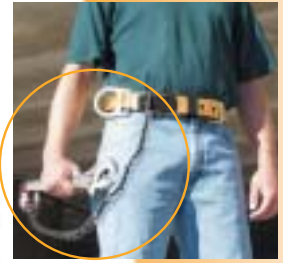
Titan Accessories

Tool Lanyards

Prevent tools from dropping that can cause serious injuries on the jobsite.

Bandit™ Tool Lanyard

Lanyard conveniently attaches to the user's belt. Tools are attached with the carabiner or by cinching the cord around tool.



T9077

WristBandit Tool Holder

Conveniently attaches to user's wrist with Velcro®. Tools are attached by cinching the lanyard cord around tool.



T9076

Model No.	Description
T9076	WristBandit Tool Holder attaches to the user's wrist
T9077	Bandit Tool Lanyard attaches to the user's belt
T9077X/12	Consists of a box of 12 Bandit Tool Lanyards

Equipment Bag(s)

Black equipment bag with Titan logo, zipper closure and wrap-around straps.

Model No.	Description	Size
T8477HL1	Heavy-duty equipment bag	20" (508mm) x 10" (254mm) x 12" (305mm)
T702	Light-duty equipment bag	13" (330mm) x 8" (203mm) x 8" (203mm)



T8477HL1



T702

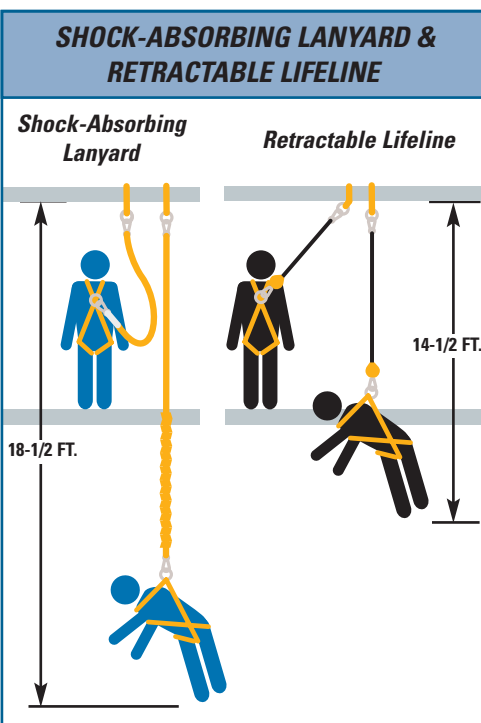
Titan Fall Clearance Calculations

SELECT THE PROPER FALL PROTECTION EQUIPMENT



Shock-Absorbing Lanyard or Self-Retracting Lifeline?

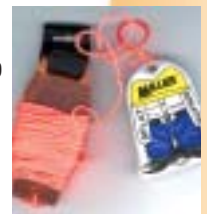
Always know your fall distance and select proper equipment to meet the fall clearance.



Splat Indicator

For quick and easy alternative to calculating your fall distance, use the Splat Indicator.

- Similar to a plumb bob, simply attach the device to an anchorage or to the lanyard at the anchoring snap hook and lower the weight using the attached string.
- If the weight strikes a lower level, then a higher anchorage must be selected.
- If a higher anchorage is not accessible, a shorter lanyard or a fall limiter should be used.



T9051/BK

This document provides an overview of fall protection products available from Bacou-Dalloz and care has been taken to assure the accuracy of the data. It does not provide important product warnings and instructions. Bacou-Dalloz recommends all users of fall protection equipment undergo thorough training, and that all warnings and instructions provided with the products be thoroughly read and understood prior to use. Failure to read and follow all product warnings and instructions could result in serious injury or death.

Titan Trailing Rope Grab and Vertical Lifelines

The trailing rope grab provides continuous fall protection for vertical applications. Connects directly to a 5/8 inch (16mm) diameter synthetic lifeline with ease. A worker wearing a full-body harness attaches to the device with a 3-foot (.9m) shock-absorbing lanyard (T61113/3FT) to ascend and descend without manually controlling the unit. In the event of a fall, the rope grab locks into the lifeline and arrests a fall.

- **Compact design**
- **Complete hands-free operation**
- **Corrosion-resistant stainless steel construction**

Model No.	Description
T8173*	MicroLoc Trailing Rope Grab; 5/8" (16mm) dia. tunnel
T8175	Trailing Rope Grab; 5/8" (16mm) dia. tunnel
T6111/3FT	3 ft. (.9m) webbing lanyard w/shock absorber pack

*Does not meet Canadian CSA requirements.

Lifelines are constructed of 5/8 inch (16mm) polyester/polypropylene blend rope with a locking snap hook and loop.

Model No.	Length
T300L-2/25FT	25' (7.6m)
T300L-3/30FT	30' (9m)
T300L-5/50FT	50' (15m)
T300L-7/75FT	75' (23m)
T300L-10/100FT	100' (30m)



T300L-2/25FT



T8173



T8175



Titan Temporary Horizontal Lifelines

Permits Worker to Travel Freely

Suspended between two approved anchor points, the Titan Temporary Horizontal Lifeline System permits one worker to freely travel horizontal distances up to 60 feet (18m) to perform an array of construction, maintenance or inspection activities. The system includes: 5/8" (16mm) polyester rope lifeline and lifeline tensioner, anchoring lanyard and convenient carrying bag.

Model No.	Description
TRHL30/30FT	Temporary horizontal lifeline system w/span of 30' (9m)
TRHL60/60FT	Temporary horizontal lifeline system w/span of 60' (18m)



All Titan by Miller brand fall protection products meet applicable OSHA, ANSI (including Z359.1), and CSA requirements.



Toll Free 800/873-5242 Fax 800/892-4078
Phone 814/432-2118 Fax 814/432-2415

For more information or to place an order, please contact your Miller® distributor:

LTFPB/0504/75M/BP