

GUARDIAN

FALL PROTECTION



Product Name: Diablo Tie-Back SRL

Part #: 11020; 11056; 99-05-0015

Instruction Manual

Do not throw away these instructions!

Read and understand these instructions before using equipment!

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Introduction

Thank you for purchasing a Guardian Fall Protection Diablo Tie-Back SRL. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Diablo Tie-Back SRL, and all fall safety equipment used in combination with the Diablo Tie-Back SRL.

User Information	
Date of First Use:	_____
Serial #:	_____
Trainer:	_____
User:	_____

Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M and OSHA 1910 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on fall protection systems and associated components.

Worker Classifications



Understand the following definitions of those who work near or who may be exposed to fall hazards.

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

Product Specific Applications



WARNING Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.



Personal Fall Arrest: Diablo Tie-Back SRL may be used to support a MAXIMUM 1 PFAS for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. No free fall is permitted. SRL must always be positioned at or above harness dorsal D-ring AND at or below anchor point. Applicable D-ring: Dorsal.



Restraint: Diablo Tie-Back SRL may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.

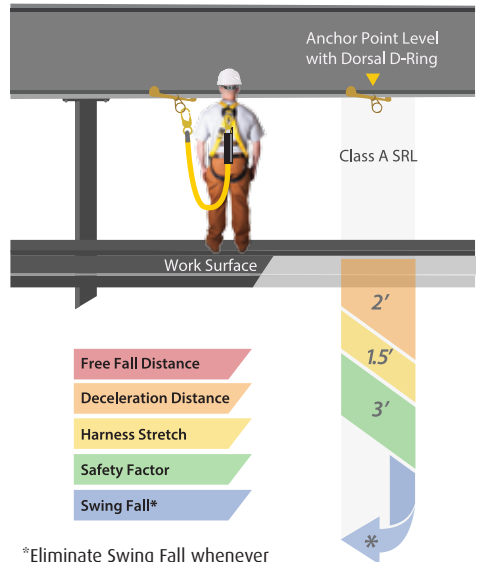
Limitations

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 3' safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

Fall clearance calculation shown based on standing worker falling directly in-line with anchor point. Always consider potential swing fall and other hazards when calculating fall clearance.



*Eliminate Swing Fall whenever possible! If Swing Fall exists, always account for additional fall clearance.

Compatibility: When making connections with Diablo Tie-Back SRL, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Diablo SRL by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

Connector closed and locked to D-ring. **OK.**



Connector to integral lanyard. **NO.**

Two connectors to same D-ring. **NO.**



Connector directly to webbing. **NO.**

Incompatible or irregular application, which may increase risk of roll-out. **NO.**



Connector directly to horizontal lifeline. **NO.**

Two or more snap hooks or carabiners connected to each other. **NO.**

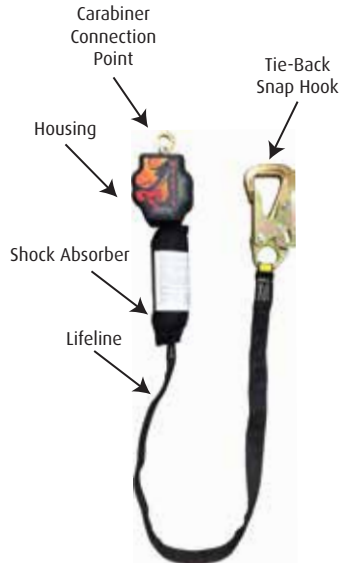


Components and Specifications

Materials: galvanized steel, aluminum, glass-filled nylon, polyester, and nylon.

Average arrest force: 1,350 lbs.
Maximum arrest force: 1,800 lbs.
Maximum deceleration distance: 24"

Part #	Description
11020	Diablo Tie-Back SRL, Single Leg. Length: 9'.
11056	Diablo Tie-Back SRL, Dual Leg Kit. Length: 9'.
99-05-0015	Diablo Tie-Back SRL, Single Leg. Length: 8.25'.



Installation and Use

**Diablo Tie-Back SRL MUST NEVER be used in Leading Edge (LE) applications.
No free fall is allowed.
ALWAYS avoid lifeline contact with sharp or abrasive edges and surfaces.**

For Dual-Leg Kit (Part #11056), assemble SRL according to instruction sheet provided with Dual SRL Bracket (part # 11058).

1. All components of the personal fall arrest system must be selected and deemed compatible with Diablo Tie-Back SRL by a Competent Person.
2. Ensure structural anchor to which Diablo Tie-Back SRL is to be attached, and on which work is to be performed, is free of all hazards, including, but not limited to, debris, rot, rust, sharp or abrasive edges and surfaces, and hazardous materials.
3. Diablo Tie-Back SRL may be used in either tie-back or standard applications. Adhere to the applicable method of installation and use:

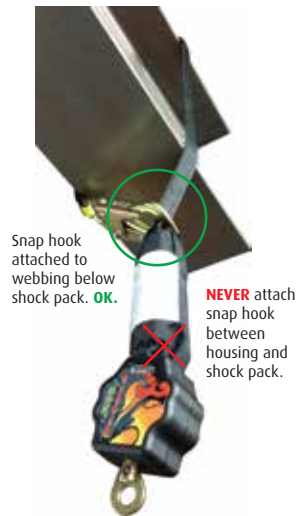
- **Tie-Back:** Wrap Diablo Tie-Back SRL lifeline around selected structural anchor, and attach snap hook onto webbing BELOW shock pack (NEVER attach snap hook between housing and shock pack). Attach Diablo Tie-Back carabiner to applicable harness D-ring.

- **Standard:** Attach Diablo Tie-Back SRL snap hook to harness dorsal D-ring, and attach SRL housing to compatible overhead anchorage connector with carabiner. Anchorage connector must be a minimum 3' above harness dorsal D-ring from a standing position (ensure there is no slack in lifeline).

4. For Dual-Leg Kit, only work with one leg attached, except when transitioning between anchor points. When transitioning between anchor points, first connect second leg to applicable anchor point, then disconnect other leg from previous anchor point prior to beginning any work; this ensures 100% tie-off is maintained at all times.



In tie-back applications, snap hook must ONLY be attached to webbing below shock pack. NEVER attach snap hook between housing and shock pack.



Maintenance, Cleaning, and Storage

If Diablo Tie-Back SRL fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of Diablo Tie-Back SRL. Remove all dirt, corrosives, and contaminants from Diablo Tie-Back SRL before and after each use. If Diablo Tie-Back SRL cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Diablo Tie-Back SRL with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Diablo Tie-Back SRL for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, bird-caging, and missing or illegible labels. Inspect full length of lifeline. IMMEDIATELY remove SRL from service if defects or damage are found.

Prior to EACH use, check lifeline retraction by pulling out a minimum 4’ and allowing it to retract under light tension; lifeline must retract completely. Pull lifeline sharply to test braking function; brakes must engage. Check shock pack for signs of deployment. IMMEDIATELY remove from service if SRL does not function properly, or if any evidence exists of exposure to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

Every 6 months, a Competent Person other than the user must inspect SRLs. **Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.**

During inspection, consider all applications and hazards SRLs have been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime is indefinite, as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one Diablo Tie-Back SRL. Separate inspection logs must be used for each Diablo Tie-Back SRL. All inspection records must be made visible and available to all users at all times.

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**If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE.**

Safety Information



Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6'. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24"; Class B SRLs must arrest falls within 54".

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.

Labels



ADVERTENCIA: Las instrucciones del fabricante que se proporcionan junto con este producto en el momento del envío deben leerse antes del uso. Se deben seguir las instrucciones a fin de lograr un uso, mantenimiento e inspección adecuados. Alterar este producto o utilizarlo de manera indebida, así como no seguir las instrucciones, pueden provocar lesiones graves o la muerte. NO APTO PARA SER REPARADO POR EL USUARIO. NO RETIRE ESTA ETIQUETA.

USO: No se permite la caída libre. La cuerda de seguridad retráctil (SRL) debe posicionarse siempre en el anillo D del arnés o por encima de este. Evite que la cuerda de seguridad entre en contacto con bordes afilados. Para uso por parte de personas capacitadas únicamente. Antes de usar, asegúrese de que la conexión con el andamaje esté correctamente sujeta. No adecuado para uso horizontal. Puede utilizarse como componente de un sistema personal de detención de caídas (PFAS) en aplicaciones de cuerda de seguridad horizontal (HLL). El diseño, la instalación y el uso de las HLL deben ser supervisados por una Persona Calificada.

INSPECCIÓN: Antes de cada uso, inspeccione el dispositivo de acuerdo con el manual del usuario, incluyendo la función de bloqueo (tire bruscamente para verificarla), la función retráctil, el funcionamiento de la cuerda de seguridad, el funcionamiento y la condición de los conectores, la carcasa y los sujetadores, la legibilidad de las etiquetas, y cualquier evidencia de defectos, daños o piezas faltantes. Se requiere que una Persona Competente realice una inspección por menos cada 6 meses. Retire del servicio **INMEDIATAMENTE** si se encuentra plástico roto o estirado en el paquete amortiguador de impactos.

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AVERTISSEMENT: Avant l'utilisation, lisez les instructions du fabricant jointes au produit au moment de l'expédition. Cet appareil doit uniquement être utilisé par une seule personne comme un alichuete. RETIRER IMMÉDIATEMENT du service si le plastique est déchiré ou étiré sur l'absorbeur.

ESPECIFICACIONES:
Fuerza de detención promedio: 1,350 lbs.
Distancia de detención máx.: 24 in.
Fuerza de detención máx.: 1,800 lbs.
Capacidad máx.: 130 – 420 lbs., o hasta 420 lbs.
*Vea las instrucciones
Tejido: Nylon de 9 pies, 4/5" de ancho
SRL de Clase A
Hecho en Taiwan

SPECIFICATIONS:
Force d'arrêt moyenne: 612.4 kg
Distance d'arrêt maximale : 61 cm
Force d'arrêt maximale: 816.4 kg
Capacité maximale: 58.9 – 140.6 kg, ou jusqu'à 190.5 kg
*Voir les instructions
Sangle: nylon 2.75 m, largeur 2 cm
Ligne de vie auto-rétractable (SRL) de classe A
Fait en Taiwan

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