

GUARDIAN[®]

FALL PROTECTION

PERFORMANCE SAFETY GEAR



Product Name: Diablo SRL

**Part #: 11016; 11017; 11018; 11019; 11051; 11052; 11053;
11054**

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 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 SRL, and all fall safety equipment used in combination with the Diablo 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, OSHA 1910, ANSI Z359.14-2012, and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state regulations if applicable. Consult regulatory agencies for more information on personal fall arrest 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.

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.

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

Forces applied to anchors must be calculated by a Competent Person.

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration.

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.

Maintenance of equipment must be done according to manufacturer's instructions. Equipment instructions must be retained for reference.

Prior to EACH use, all equipment in a fall protection system must be inspected for any potential or existing deficiencies that may result in its failure or reduced functionality. IMMEDIATELY remove equipment from service if any deficiencies are found.

Equipment must be inspected by a Competent Person at least every six months. These inspections must be documented in equipment instruction manual and on equipment inspection grid label.

Equipment must be inspected for defects, including, but not limited to, the absence of required labels or markings, improper form/fit/function, evidence of cracks, sharp edges, deformation, corrosion, excessive heating, alteration, excessive wear, fraying, knotting, abrasion, and absence of parts.

Equipment that fails inspection in any way must immediately be removed from use, or repaired by an entity approved by the manufacturer.

No on-site repair of equipment unless explicitly permitted by Guardian Fall Protection.

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

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.

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.

Allowable individual worker weight limit (including all equipment), unless explicitly stated otherwise, is 130-310 lbs.

Maintenance, Cleaning, and Storage

Repairs to Diablo SRLs can only be made by a Guardian Fall Protection representative or an entity authorized by Guardian. Contact Guardian for all maintenance and repair needs at: 1-800-466-6385. If a Diablo 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 SRLs. Remove all dirt, corrosives, and contaminants from Diablo SRLs before and after each use. If a Diablo SRL cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Diablo SRLs 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

KEEP INSTRUCTIONS AVAILABLE FOR REFERENCE. Record Date of First Use.

Prior to EACH use, inspect Diablo 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. IMMEDIATELY remove Diablo SRL from service if defects or damage are found, or if exposed 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.

At least every 6 months, a Competent Person other than the user must inspect Diablo 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 Diablo SRLs have been subjected to.

Product Specific Applications



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



Personal Fall Arrest: Diablo SRL may be used in Personal Fall Arrest applications to support a MAXIMUM 1 Personal Fall Arrest System (PFAS). 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 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.

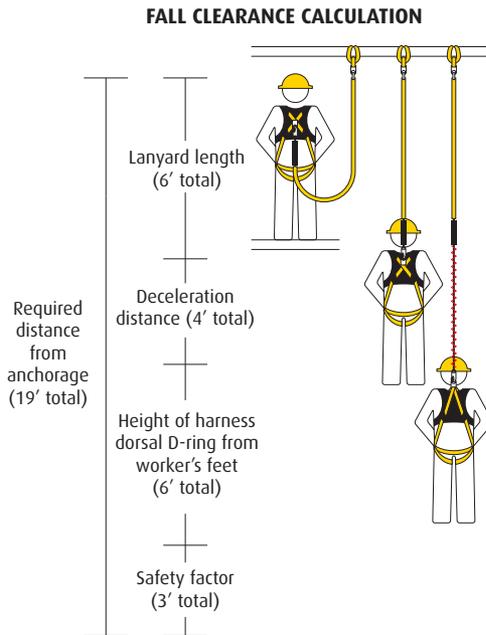
**For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs.,
*or up to 420 lbs. if used in combination with equipment explicitly certified for such use.**

***Each individual component of PFAS (including harness and anchorage connector) must be rated for up to 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, 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.

Compatibility: When making connections with Diablo SRLs, 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 SRLs 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 or more snap hooks or carabiners connected to each other. **NO.**



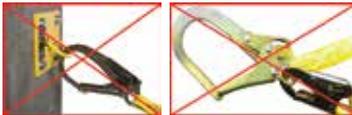
Connector directly to webbing. **NO.**

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



Application that places load on gate. **NO.**

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



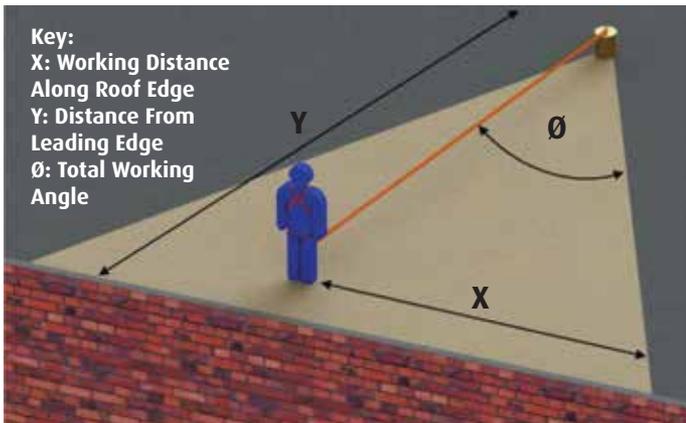
Connector directly to horizontal lifeline. **NO.**

Correct Anchorage Positioning:

This chart details allowable working zones required to reduce risk of swing falls and improper side loading.
ALWAYS adhere to information specified by chart.

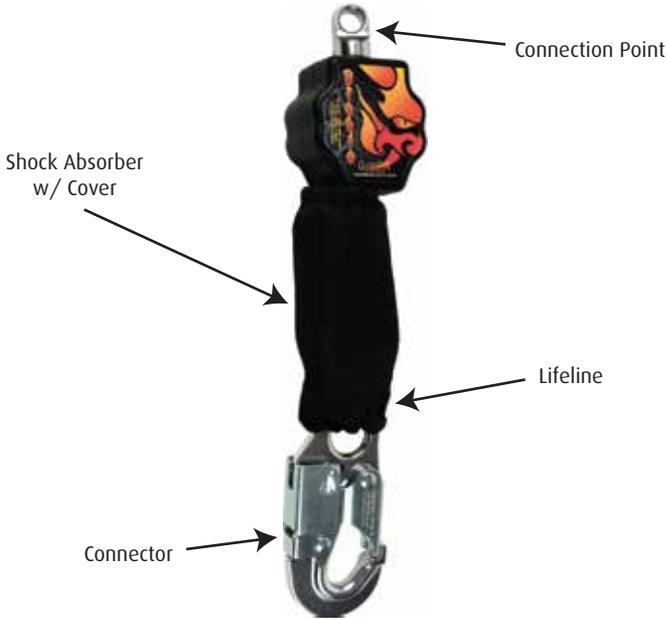
Anchor Distance From Leading Edge (Y)	Working Distance Along Roof Edge (Either Direction) (X)	Working Angle From Perpendicular (θ)
6'	8'	53°
10'	9' - 9"	45°
15'	11' - 7"	38°
20'	13' - 3"	33°
25'	14' - 6"	30°
30'	16'	28°
35'	17' - 2"	26°
40'	18' - 3"	24°
45'	19' - 4"	23°
50'	19' - 10"	21°
55'	21' - 4"	21°
60'	22' - 3"	21°

For example, if the anchorage connector is 6' from the leading edge (Y), the working distance (X) is 8' in each direction from the perpendicular, which translates to a 53° working angle.



Components and Specifications

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



Part #	Description
11016	Diablo 6' Single Leg SRL w/Steel Snap Hook
11017	Diablo 6' Single Leg SRL w/Aluminum Snap Hook
11018	Diablo 6' Single Leg SRL w/Aluminum Rebar Hook
11019	Diablo 6' Single Leg SRL w/Steel Rebar Hook
11051	Diablo 6' Double Leg SRL Kit w/Steel Snap Hook
11052	Diablo 6' Double Leg SRL Kit w/Aluminum Snap Hook
11053	Diablo 6' Double Leg SRL Kit w/Aluminum Rebar Hook
11054	Diablo 6' Double Leg SRL Kit w/Steel Rebar Hook

Installation and Use

Guardian Fall Protection Diablo SRLs 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 Double-Leg Kits (Part #: 11051, 11052, 11053, 11054), assemble SRL according to instruction sheet provided with Dual Lock Twist-Release Double SRL Bracket. Replace one SRL label as instructed on pg. 12.

1. All components of the personal fall arrest system must be selected and deemed compatible with Diablo SRL by a Competent Person.
2. Ensure structure to which Diablo 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 SRLs may be used in either mobile or stationary applications. **SRL must always be positioned at or above harness dorsal D-ring AND at or below anchor point.**
*If using Diablo with rebar hook configuration, SRL carabiner must ALWAYS be attached to harness dorsal D-ring, and rebar hook must ALWAYS be connected to compatible structural rebar.
4. For stationary applications, attach Diablo SRL carabiner to selected anchorage connector, and attach snap hook to applicable harness D-ring.
5. For mobile applications, attach Diablo carabiner to harness Dorsal D-ring, and attach snap hook to selected anchorage connector.
6. If using double leg Diablo SRL, ensure 100% tie-off will be maintained at all times; ALWAYS attach disengaged snap hook or rebar hook to a compatible anchorage connector prior to unhooking engaged snap hook or rebar hook.



Single Leg



Double Leg

Labels



STEEL SH ANILLO DE ACERO CON CABLE DE ACERO CON CABLE DE ACERO	ALUM. SH ANILLO DE ALUMINIO CON CABLE DE ALUMINIO CON CABLE DE ALUMINIO	ALUM. RH ANILLO DE ALUMINIO CON CABLE DE ALUMINIO CON CABLE DE ALUMINIO	STEEL RH ANILLO DE ACERO CON CABLE DE ACERO CON CABLE DE ACERO
11016	11017	11018	11019

Mfg. Date / Fecha de Fabricación: _____ Serial # / # de Serie: _____

WARNING: Manufacturer's instructions supplied with this product at time of shipment must be read prior to use. Instructions must be followed for proper use, maintenance and inspection. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. **NOT USER REPAIRABLE. DO NOT REMOVE THIS LABEL.**

USE: No free fall is allowed. SRL must always be positioned at or above harness D-ring. Avoid lifeline contact with sharp edges. For use by trained persons only. This device is only for use by one person as a fall arrester. Ensure connection to anchorage is secured properly before use. Not suitable for horizontal use. May be used as a component of a PFAS in HLL applications. Design, installation and utilization of HLLs must be supervised by a Qualified Person.

INSPECTION: Before each use inspect device per user manual including locking function (pull sharply to test), retraction function, lifeline function, function and condition of connectors, housing and fasteners, defects, damage or missing parts. Inspection by Competent Person required at least every 6 months. **Immediately** remove from service if torn or stretched plastic on shock pack are found.

SPECIFICATIONS:
Average locking speed: 4.5 ft./sec.
Average arresting force: 900 lbs.
Max. arresting distance: 54 in.
Max. arresting force: 1,800 lbs.
Max capacity: 130 – 310 lbs., or up to 420 lbs. *See instructions

Webbing: 6" Nylon, 1" width
Class B SRL
Made in Taiwan

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 la de lograr un uso, mantenimiento e inspección adecuados. Alisar este producto y cualquier de manera adecuada, así como no seguir las instrucciones, pueden provocar lesiones graves o la muerte. **NO SE PUEDE REPARAR POR EL USUARIO. NO QUITAR ESTA ETIQUETA.**

USO: No se permite la caída libre. La carga de seguridad retén (SR) debe posicionarse siempre en el anillo D del arnés o por encima de este. Evite que la carga de seguridad entre en contacto con bordes afilados. Evite que por parte de personas capacitadas incorrectamente. Antes de usar, asegúrese de que la conexión con el anillo este correctamente sujeta. No alterada por una herramienta. Puede utilizarse como componente de un sistema personal de detección de caídas (PPDS) en aplicaciones de carga de seguridad horizontal (HLL). El diseño, la instalación y el uso de los SR deben ser supervisados por una Persona Calificada.

INSPECCIÓN: Antes de cada uso, inspeccione el dispositivo de arresto con el manual del usuario, incluyendo la función de bloqueo (extraer fuertemente para verificar), la función de retracción, el funcionamiento de la carga de seguridad, el funcionamiento y la condición de los conectores, la función y el estado de los conectores, 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 dañado o estirado en el paquete amortiguador de choque.

AVERTISSEMENT: Avant l'utilisation, lire les instructions du fabricant jointes au produit au moment de l'expédition. Ces appareils doivent uniquement être utilisés par une seule personne comme un attaché. **NE PAS RÉPARER/REMANÉGER** le service si le plastique est déchiré ou étiré sur l'équipement.

ESPECIFICACIONES:
Fuerza de detención promedio: 900 lb.
Distancia de detención máx.: 54 in.
Fuerza de detención máx.: 1,800 lbs.
Capacidad máx.: 130-310 lbs., o hasta 420 lbs.
*Ver las instrucciones

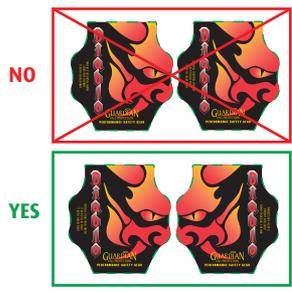
ESPECIFICAÇÕES:
Força de arretimento: 408.2 kg.
Distância de arretimento: 137.2 cm.
Força de arretimento máx.: 816.4 kg.
Capacidade máx.: 59 - 140 kg, ou jusqu'à 190.5 kg.
*Ver las instrucciones

Single Nylon 6" x 1", ancho 2.5 cm
Ligero de un auto-atachante (SR) de clase B
Hecho en Taiwán

	J	F	M	A	M	J	J	A	S	O	N	D
11												
12												
13												
14												
15												

For Double-Leg Kit (Part #: 11051, 11052, 11053, 11054):

1. An additional SRL label is provided with kit.
2. Remove front label of one single leg Diabolo SRL. **DO NOT** remove white back label. Removing back label will make SRL non-compliant with OSHA and ANSI regulations.
3. Clean location of removed label with rubbing alcohol, then fully dry SRL surface.
4. Put replacement front label on single leg Diabolo SRL. When double leg kit is assembled, labels must appear as shown on right.



Inspection Log

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.

Date of First Use: _____. Product lifetime is 5 years from Date of First Use, or, if not recorded, from Date of Manufacture, as long as it passes pre-use and Competent Person inspections.

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

	J	F	M	A	M	J	J	A	S	O	N	D
YR												
YR												
YR												
YR												
YR												

If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE.

Notes

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PERFORMANCE SAFETY GEAR