



## TRIPOD

**MEETS OR EXCEEDS  
ANSI Z359.1**

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**ENGLISH**

## INTRODUCTION

This manual contains the Manufacturer's Instructions as required by CSA Z259 and ANSI Z 359.1. It should be used as part of the fall protection training program required by law. All PeakWorks' products are designed and engineered to meet or exceed applicable CSA and ANSI standards along with labour ministry requirements. **WARNING: All persons using this equipment must read and understand all the instructions and warnings contained in this manual. Failure to do so may result in serious injury or death. Do not use this or any other fall protection equipment unless you have been properly trained.**

## FALL PROTECTION

It is the employer's responsibility to provide fall protection and training for any worker deemed to be working at height. In Canada, any worker that is more than 3 meters from the ground or first obstruction must have fall protection.

## SYSTEM COMPATIBILITY

PeakWorks equipment has been designed and approved for use only with PeakWorks connectors. Any substitution of components may result in compatibility issues. Users should always ensure that the connectors are properly selected and connected so as not to allow a load to be applied to the gate of the connector.

**WARNING: Not following either of these instructions could result in the fall protection system becoming disengaged during a fall which could result in serious injury or death.**

## TRAINING

All workers and their employer must be trained in the correct use, care and maintenance of this and any other fall protection equipment used. It is the employer's responsibility to provide proper fall protection training for all workers using fall protection equipment. Both the worker and the employer must be aware of the correct and incorrect applications and use of this equipment.

**WARNING: Failure to be properly trained on this equipment and any other fall protection equipment used in conjunction with this equipment could result in serious injury or death.**

## RESCUE PLAN

A rescue plan is an integral and critical part of any fall protection plan and system. It is the responsibility of the employer to have a rescue plan prepared by a competent person. All workers using any fall arrest system must have a rescue plan prior to using the system.

## INSPECTION

**WARNING: If any portion of the inspection reveals problems, deficiencies or unsafe conditions, the equipment must be removed from service immediately.**

This equipment and any other fall protection equipment used in conjunction with it should be inspected by the worker every time it is used. This equipment must be inspected annually by a competent person. A competent person is defined by OSHA: "By way of training and/or experience, a competent person is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation and has the authority to correct them". Details of how to inspect this equipment is discussed later in the manual.

## FALL CLEARANCE

Fall Clearance is the distance required to safely arrest the users fall. It is the distance from the anchorage to the ground. A Fall Clearance Calculation must be done anytime this or any other fall protection equipment is use.

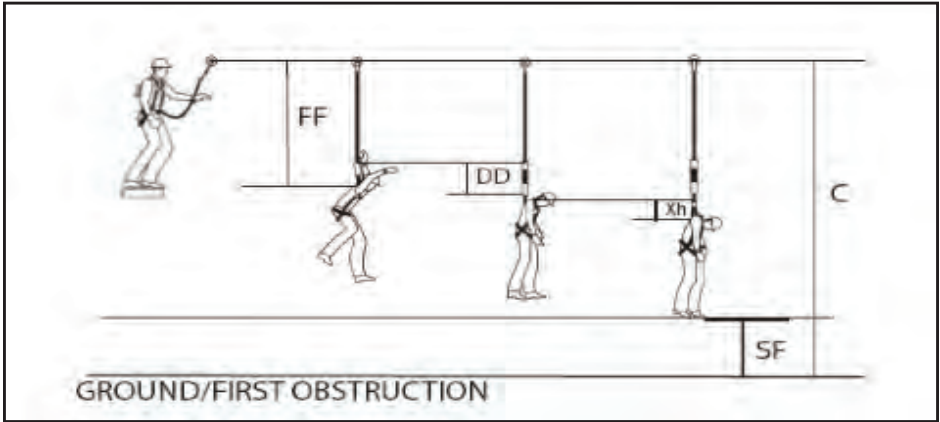
Step 1: Calculate Free Fall (FF)

Step 2: Determine how much the connecting device deploys (DD)

Step 3: Determine the stretch of the harness (Xh)

Step 4: Add a safety factor (typically is 3 ft)

Step 5: Fall Clearance  $C = FF + DD + Xh + SF$



## REPAIR

Do not attempt to repair or alter this fall protection equipment. Repairs can only be performed by the manufacturer or its authorized agents.

## TABLE OF FALL PROTECTION STANDARD

Fall protection equipment is governed in Canada by the Canadian Standards Association (CSA) and in the United States, the American National Standards Institute (ANSI)

Canadian Standards Association Fall Protection Standards:	
CSAZ259.1-05	Safety Belts and Saddles for work positioning and travel restraint
CSA Z259.10-06	Full Body Harness
CSA A259.11-05	Energy Absorbers and Lanyards
CSA Z259.12-01	Connecting Components for Personal Fall Arrest Systems
CSA Z259.13-04	Flexible Horizontal Lifelines
CSA Z259.16-03	Design of Active Fall Protection Systems
CSA Z259.2.1-98	Fall Arresters, Vertical Lifelines, and Rails
CSA Z259.2.2-98	Self-Retracting Devices for Personal Fall-Arrest Systems
CSA Z259.2.3-99	Descent Control Devices
ANSI Standards	
Construction and Demolition Operations:	
A14.3-1992	Ladders - Fixed - Safety Requirements
Z117.1-1989	Safety Requirements for Confined Spaces
Z359.1-2007	Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components

## ASSEMBLY

### Step 1:

Stand the tripod into an upright position on a flat and level surface. (FIGURE 1)

### Step 2:

Open the legs and insert the locking pins at the head of the tripod. (FIGURE 2)

### Step 3:

Extend the legs as far as is required and insert the locking pins similar to the locking pins in the head of the tripod. (FIGURE 3)



(FIGURE 2)



(FIGURE 3)



(FIGURE 1)

### Step 4

Tighten the safety chain using the clip. (FIGURE 4 & 5)



(FIGURE 4)



(FIGURE 5)

### Step 5

Attach the mounting bracket for the SRL-33303-50 on the upper portion of the tripod leg that has the pulley on top. Ensure that the bracket is oriented as shown in the picture. Secure tightly all four nylok nuts onto the bolts. (FIGURE 6 & 7)



(FIGURE 6)



(FIGURE 7)

## ASSEMBLY

### Step 6

Attach the SRL-33303-50 to the bracket and lock it on using the detent pin. (FIGURE 8)



(FIGURE 9)



(FIGURE 8)



(FIGURE 10)

### Step 8

Ensure that all locking pins are in place (6 in total) and secure. Ensure that the safety chain has been properly tightened. Your TR-100 tripod is ready to be used.



(FIGURE 11)



(FIGURE 12)

### Step 9

Add a secondary pulley (if required) to any of the slotted holes on the side of the tripod head to add a personal or material winch. (FIGURE 12)

## Before Use

The PeakWorks Tripod is designed for ONE person ONLY and is capable of supporting a 5,000 lbs. (22 kN) static load or provides a 2:1 safety factor when using an approved PeakWorks self retracting lifeline or 3-way. The tripod should be set up on a stable surface capable of withstanding 5,000 lbs. (22 kN)

The top pulley is designed as a suitable anchorage connector. If necessary there is 3 slots on the side of the tripod head that can be used as secondary anchorage connectors or for a connector for the top attendant.

## Pre-Use Inspection

NOTE: This equipment and all components of a fall arrest system should be inspected before each use according to the instructions supplied with the product at the time of shipment.

Visually inspect the tripod for the following (before each use):

- Check for corrosion on all parts
- Check for any signs of deterioration of any of the components
- Check to ensure all detent pins fit tightly and are installed correctly**
- Check to ensure detent pin on SRL bracket is installed correctly**
- Check for misaligned, cracked or bent components
- Check to ensure the pulley runs freely and not bent or misaligned
- Check to ensure that the chain is not kinked or damages
- Check to ensure that any holes are not damaged
- Check to ensure that the inner leg moves freely inside the outer leg when not pinned
- Check to ensure the mounting bracket for the SRL-33303-50 is installed correctly
- Check to ensure that there are not signs that the product as been subjected to a fall arrest

If any deficiencies are found that may affect the integrity or operation of the tripod please contact PeakWorks at 1-877-887-3259 or email [sales@peakworks.ca](mailto:sales@peakworks.ca)

## Care and Storage

This tripod and all fall protection equipment should be stored in a clean dry environment that is free of exposure to fumes or corrosive elements. If the tripod is being used in a corrosive environment (example: near salt water), the tripod must be inspected more frequently. Any build up of dirt or grime can seriously reduce the performance of the tripod and in some cases may prevent the tripod from arresting a fall.

Regular cleaning of your tripod will ensure proper performance and will help extend its life. Clean the tripod with a mild solution of water and mild soap or detergent with a neutral pH. Wipe the tripod dry with a clean cloth. Do NOT lubricate the tripod. Allow the tripod to dry naturally away from any source of heat.

## Maintenance

PeakWorks' SRLs have no user serviceable parts and must not be disassembled or adjusted except by the manufacturer or approved service agent. User maintenance is limited to pre-use inspection, cleaning, drying and storage as described in these User Instructions. When maintenance is required, consult the supplier/manufacturer. Do not tamper with or adjust any part of the device. The device must not be engraved in any way.





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**INSPECTION LOG**

	<b>INSPECTION DATE</b>	<b>RESULTS</b>	<b>CORRECTIVE ACTION</b>	<b>MAINTENANCE PERFORMED</b>	<b>INSPECTION CONDUCTED BY</b>
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					