



5230 Wire Rope Ladder

INSTRUCTIONS FOR USE

5XXX Series Wire Rope Ladders

Complies with the current ANSI Z359.1-2007 and all applicable OSHA regulations and requirements.

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User Instructions

5XXX Series Wire Rope Ladders

This manual is intended to meet the Manufacturer's Instructions as required by the current ANSI Z359.1(2007), and should be used as part of an employee training program as required by OSHA.

WARNING: *This product is one part of a personal fall arrest, restraint, work positioning, personnel riding, climbing, or rescue system. Without the other necessary components in such sub-systems the ladder itself serves no useful purpose. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user before using this product and retained for ready reference by the user. The user must read, understand (or have explained), and heed all instructions, labels, markings and warnings supplied with this product and with those products intended for use in association with it before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. National standards and state, provincial and federal laws require the user to be trained before using this product. This manual can be used as part of a such a user safety-training program that is appropriate for the user's occupation.*

IMPORTANT: *Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. If you have questions on the use, care, or suitability of this equipment for your application, contact RELIANCE Fall Protection for information.*

DESCRIPTION

The 5XXX Series Wire Rope ladder is designed to provide the user with a means for safely descending and ascending into and out of confined spaces or other areas where Personal Fall Arrest systems may be required for safe access.

1.0 Ladder Installation

Step 1 : Prior to installation, the ladder must be inspected as outlined in Section 3. The ladder and any fall arrest equipment must be installed under the supervision of a competent person.

Step 2 : It is the user's responsibility to ensure that the ladder has adequate anchorage strength. Reliance recommends that each ladder rail (cable) be secured to an anchorage with a minimum rated strength of 2,000 lbs (9kN). The ladder anchorage must be separate from any personal fall arrest system anchor.

Step 3 : Position the ladder to allow for a minimum of 18" (45cm) horizontal distance between the rungs and the structure or other obstacles that would impede the climber from ascending or descending.

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Step 4 : Connect ladder to anchor with locking carabiners or shackles.

Step 5 : A Self Retracting Lifeline (SRL) or other fall arrest device should be installed adjacent to the ladder as part of a complete Personal Fall Arrest System (PFAS).

Step 6 : The bottom of the ladder should be stabilized or counterweighted at the bottom to prevent swinging in order to minimize the risk of the user missing a rung while ascending or descending.

2.0 Ladder Use

Step 1 : This product is designed for single person use only. Max. user weight with clothing and tools shall not exceed 350 lbs (158kg) or 250 lbs (113kg) for ANSI E1.1-1999 compliance.

Step 2 : While ascending or descending, the user must use appropriate fall arrest equipment.

Step 3 : Users should be trained in the proper technique for climbing wire rope ladders and be familiar with any hazards associated with each specific installation.

3.0 Ladder Inspection

Step 1 : Ladders must be inspected prior to each use and at least annually by a competent person.

Step 2 : Inspect ladder for broken wires, defective or missing connectors, slippage of button stops or swage fittings, cracked, bent, or missing rungs, sharp exposed edges on rungs, missing identification tags, cracked, missing, or deformed swage fittings, and burnt, worn, or kinked cable.

Step 3 : Any defects should be noted and the ladder removed from service.

Step 4 : Annual inspections should be recorded in this manual.

PRODUCT SPECIFICATIONS

Rail Material : 3/16" (4.5mm) Stainless Steel 7X19 wire rope

Rung Material : 1.25" (31mm) 6061-T6 extruded aluminum tubing

Rung Spacing : 12" \pm .25" (30cm \pm 6.3mm)

Maximum Capacity : Single worker - 350 lbs (158kg) [250 lbs (113kg) for ANSI E1.1-1999 compliance]

