



6090 3" (7.62cm) Ratchet & Strap Assembly

## **INSTRUCTIONS FOR USE**

### **Ratchet Strap Replacement Kit**

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## User Instructions Reliance Ratchet Strap Replacement Kit

### GENERAL INSTRUCTIONS

**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 this component 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. The employer must provide adequate training in the proper use and care of this product prior to use.*

**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 6090-2 replacement parts kit shall only be used as replacement parts for Reliance Industries model number 6090, 3" (7.62cm) ratchet. All warning tags and labels shall be visible and legible.*

#### Part Number and Model Designation

**Model Type :** Replacement Kit

**Part number :** 6090-2

#### Materials

**Triangular D-rings :** High strength steel. Zinc plated with yellow chromate

**Webbing :** 3" (7.62cm) polyester sling webbing

**Warning Label :** White Valeron

**Nylock Nut :** ASTM GR8 coated

**Caution :** Always certify, using a qualified person, to ensure replacement parts have been installed correctly. When integrated into a fall arrest system all components shall be inspected thoroughly prior to use.

# Instructions for Use

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**Kit Inventory :** Kit contains 1 each of the following - see cover for details :

- T000503 3" (7.62cm) Web (Yellow)
- 2961-1 D-ring Triangle
- T300005 Label (White)
- 2112-79-3 3/4-in Coated Nylock Hex Nut

**NOTE :** 3" (7.62cm) web, D-ring and white label are assembled by Reliance Industries and shall not be altered. Inspection and inventory of all components should be done prior to installation.

**Required Tools :**

- 1-3/16" (30mm) Combo Wrench
- 12" (30cm) Adjustable Wrench

**Optional Tools :** Rubber Mallet, Bench Vise, Socket Set

## REPLACEMENT INSTRUCTIONS

- Remove damaged strap from the ratchet. Using a 1-3/16" wrench on the nylock nut hold a back-up wrench on the hex head bolt. Turn the nylock nut counter clockwise to unseat and fully unthread the nut. *Caution : Nylock nuts are locking nuts and require substantial force to remove.*
- Discard the Nylock nut. **DO NOT RE-USE.**
- Remove hex head bolt.
- Remove yellow web material.
- Remove the sleeve from the eye of the web strap.
- Inspect hex head bolt and sleeve. Do not re-use if damaged. Contact Reliance Industries for replacements if required. Only Reliance Industries replacement parts may be used.
- Install new parts: D-Ring should be pointing away from the handle.
- Insert sleeve into the eye of the web strap.
- Position the strap eye and sleeve into the body of the ratchet.
- Install hex head bolt.
- Install nylock nut. Turn clockwise until fully seated against the ratchet body. One and a half threads should be exposed above the nylock nut.

*Caution : Inspect web to ensure it was not damaged during installation. if damaged remove from service.*

## INSPECTION, MAINTENANCE, AND STORAGE

The user of this product is responsible for the execution of inspection, maintenance and possible repairs. The user shall inspect equipment before each use to ensure that the equipment is in serviceable condition and operating correctly.

A yearly inspection of this product should be performed by a qualified person capable of determining the suitability for use.

In addition to this, the product must be checked for possible damages after any fall arrest load has been applied and is to be examined by an expert who must then decide if the product is suitable for further use.

The user must remove equipment from field service that has been subjected to a fall arrest. An authorized inspection is then required to determine if the product is suitable for further use.

When any inspection reveals defects in, damage to, or inadequate maintenance of equipment, the equipment shall be tagged as "UNUSABLE" and be permanently removed from service or undergo adequate corrective maintenance by means of an authorized inspection before return to service.

Most common defects are for example:

- Triangular d-rings that are cracked, bent, deformed, or showing signs of wear or corrosion.
- Cuts, tears, weld strikes, holes, glazing of the surface or other signs that the strap has been exposed to high heat, or a thinning of the strap material. Missing or damaged wear sleeves.
- Missing or unreadable labels and warnings.

Prior to installation equipment shall be stored in a cool, dry and clean place away from direct sunlight in a manner as to preclude damage from environmental factors such as heat, light, excessive moisture, oil, chemicals and their vapors or other degrading elements.

## CLEANING

Product may be cleaned with soap and water or cleaning solutions that do not contain chlorine or chemicals corrosive to steel or zinc or harmful to polyester strapping. Contact Reliance for recommendations on cleaning products.

## WARRANTY

*Products manufactured by Reliance Industries LLC are warranted against factory defects in workmanship and materials for a period of two years from date of purchase by the owner (end user) or for a period of one year from date first used, provided that this period shall not exceed two years from date of shipment to distributor. Upon notice of product defect or fault, Reliance Industries LLC will promptly repair or replace all defective items. Reliance Industries LLC reserves the right to elect to have any defective item returned to its manufacturing plant, authorized service center or distributor for inspection before making a repair or replacement. This warranty does not cover equipment damages or defects resulting from abuse, damage in transit, or other damage beyond the control of Reliance Industries. This warranty applies only to the original purchaser and is the only one applicable to our products and services, and is in lieu of all other warranties, expressed or implied. When products offered by Reliance Industries LLC are manufactured by a third party. Original equipment manufacturer (OEM) warranty shall apply and may be outside the control of Reliance Industries LLC.*



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