



MODEL NUMBER

## SUPPLEMENT TO USER INSTRUCTIONS

# Replacement Lanyard with Screw Lock Link for FP Pro Rope Grab

### WARNING

*National standards and state, provincial and federal laws require the user to be trained before using this product. Use this manual as part of a user safety training program that is appropriate for the user's occupation. These instructions must be provided to users before use of the 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. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.*

## 1.0 MODELS & SPECIFICATIONS

**TABLE 1 ROPE GRAB LANYARD MODELS COVERED BY THESE INSTRUCTIONS**

MODEL	DESCRIPTION	NET WEIGHT
416065	Shock Absorbing Lanyard, 3 ft (0.9 m)	1.32 lbs (0.6 kg)
416066	Lanyard, 1 ft (0.3 m)	0.86 lbs (0.4 kg)

### 1.1 SYSTEM SPECIFICATIONS

- All FP Pro Rope Grab subsystem components meet ANSI Z359.1 Type 1, ANSI A10.14 Type I, CSA Z259.2.1, Class AD and EN 353-2:1992 standards and applicable OSHA regulations. These instructions and the labels on the product fulfill the requirements of those standards and regulations.
- Maximum capacity of the final subsystem for personnel is 310 lbs (140 kg) including weight of the user plus clothing, tools and other user-borne objects. Minimum capacity is 130 lbs (59 kg).
- Free fall distance (limit) must not exceed 6.0 ft (1.8 m) in accordance with OSHA and ANSI Z359.1. Limited to 5 ft (1.5 m) by ANSI A10.14 and Canadian regulations. The user must comply with applicable standards and regulations.

## 1.2 COMPONENT SPECIFICATIONS

- The minimum breaking strength, when new, of the 1.75 in (45 mm) wide polyester lanyard webbing element is 6,000 lbf (24 kN).
- The minimum breaking strength, when new, of the nylon shock absorber webbing element is 5,500 lbf (24 kN).
- The shock absorber element webbing will withstand a 5,000 lbf (22.2 kN) tensile load after deployment due to arresting a fall.
- Shock absorber limits fall arrest forces experienced by the user to 900 lbf (4 kN) and the fall arrest distance to 3.5 ft (1 m).
- The snaphook is zinc plated, forged alloy steel and 100% proof tested to 3,600 lbf (16 kN). Snaphooks are sample proof tested to 4,000 lbf (17.8 kN) in accordance with CSA Z259.1. Minimum breaking strength when new is 5,000 lbf (22.2 kN).
- The screw lock link is zinc plated alloy steel with a minimum breaking strength – when new – of 5,000 lbf (22.2 kN) when assembled with the screw lock fully engaged (threaded).



**CAUTION**

*Use MSA Rope Grab Lanyards only with compatible Rope Grab, P/N 10004150.*

## 2.0 INSTRUCTIONS FOR ATTACHMENT

### 2.1 INSPECTION

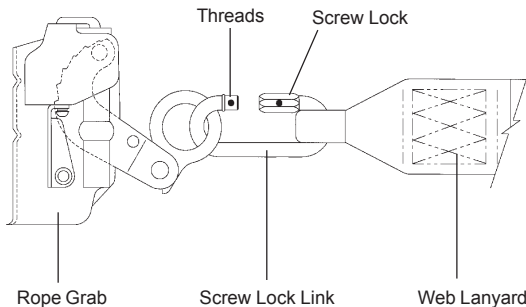
Inspect the Rope Grab prior to assembly of the lanyard in accordance with the instructions supplied with this product. Do not attach the lanyard if evidence of wear or deterioration of the Rope Grab is observed. Destroy the Rope Grab assembly and replace with new equipment.

### 2.2 ASSEMBLY & DISASSEMBLY PROCEDURES

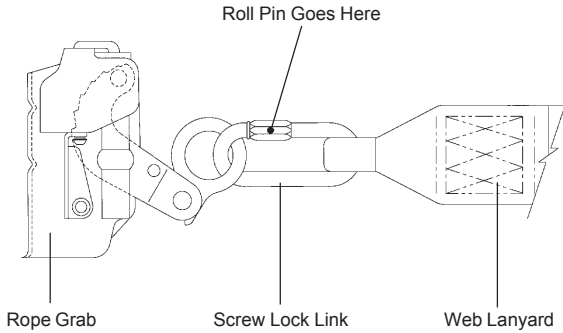
#### 2.2.1 ASSEMBLY OF LANYARD WITH SCREW LOCK LINK

- Remove worn lanyard following the procedure in section 2.2.2.
- Assemble the screw lock link to the ring of the Rope Grab, as shown in the accompanying illustration.
- Tighten the screw lock link until all threads are captured.
- Insert the roll pin (1/8 in diameter x 9/16 in long) supplied by MSA.
- Use a small hammer to drive in the roll pin until it is flush with the surface of the screw lock.

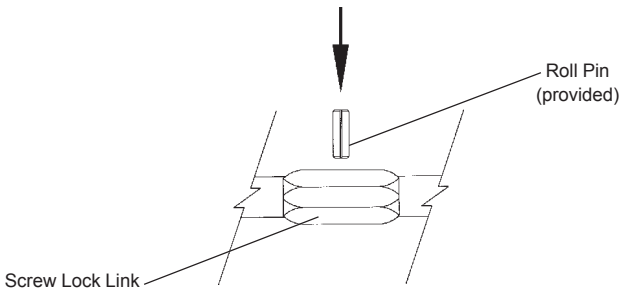
#### SCREW LOCK LINK – OPEN



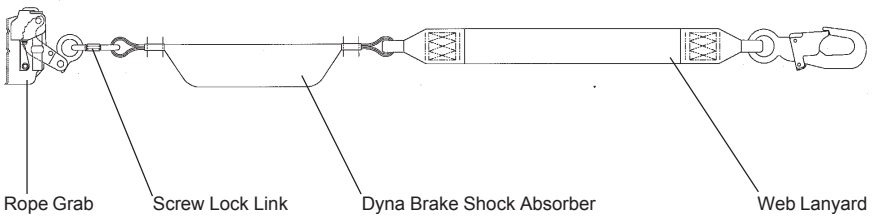
**SCREW LOCK LINK – CLOSED**



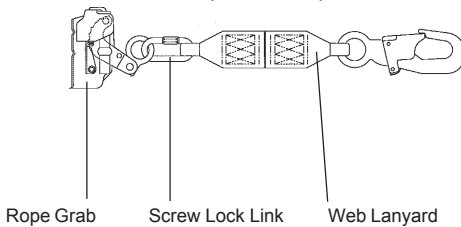
**ASSEMBLY DETAIL**



**FALL ARRESTER (ROPE GRAB) WITH LANYARD AND DYNA BRAKE SHOCK ABSORBER**



**FALL ARRESTER (ROPE GRAB) WITH LANYARD**





***Do not directly strike the screw lock with the hammer, as this may damage the screw lock and weaken the product.***

### 2.2.2 DISASSEMBLY OF LANYARD WITH SCREW LOCK LINK

- Put the product on a clean, dry surface. Remove the roll pin using a small hammer and a 3/32 in punch.
- Only replace with lanyard. Screw lock link and roll pin are provided by MSA.



***Never reuse an old roll pin or screw lock link. Reassemble screw lock link in accordance with the assembly procedure above.***

## 3.0 INSPECTION PRIOR TO EACH USE

Check the screw lock link to verify that it is closed and the roll pin is in place. If there is evidence of wear or damage to the lanyard assembly, destroy and replace with new equipment.

### ! CAUTION

***If the lanyard is subjected to the forces of arresting a fall, remove from service immediately.***

Refer to User Instructions P/N 623223, provided with the FP Pro Rope Grab, for complete instructions on the selection, use, inspection and maintenance of the Rope Grab system.

### WARRANTY

**Express Warranty** – MSA warrants that the product furnished is free from mechanical defects or faulty workmanship for a period of one (1) year from first use or eighteen (18) months from date of shipment, whichever occurs first, provided it is maintained and used in accordance with MSA's instructions and/or recommendations. Replacement parts and repairs are warranted for ninety (90) days from the date of repair of the product or sale of the replacement part, whichever occurs first. MSA shall be released from all obligations under this warranty in the event repairs or modifications are made by persons other than its own authorized service personnel or if the warranty claim results from misuse of the product. No agent, employee or representative of MSA may bind MSA to any affirmation, representation or modification of the warranty concerning the goods sold under this contract. MSA makes no warranty concerning components or accessories not manufactured by MSA, but will pass on to the Purchaser all warranties of manufacturers of such components. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AND IS STRICTLY LIMITED TO THE TERMS HEREOF. MSA SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Exclusive Remedy** - It is expressly agreed that the Purchaser's sole and exclusive remedy for breach of the above warranty, for any tortious conduct of MSA, or for any other cause of action, shall be the repair and/or replacement, at MSA's option, of any equipment or parts thereof, that after examination by MSA are proven to be defective. Replacement equipment and/or parts will be provided at no cost to the Purchaser, F.O.B. Purchaser's named place of destination. Failure of MSA to successfully repair any nonconforming product shall not cause the remedy established hereby to fail of its essential purpose.

**Exclusion of Consequential Damages** - Purchaser specifically understands and agrees that under no circumstances will MSA be liable to Purchaser for economic, special, incidental, or consequential damages or losses of any kind whatsoever, including but not limited to, loss of anticipated profits and any other loss caused by reason of the non-operation of the goods. This exclusion is applicable to claims for breach of warranty, tortious conduct or any other cause of action against MSA.

**For additional information, please contact the Customer Service Department at 1-800-MSA-2222 (1-800-672-2222).**

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