



# PMI® ANCHOR SLING

Manufacturer's Instructions

SG51029 SG51030 SG51031

This user guide with the UL Enhanced Mark has been reviewed for compliance to all technical standards NFPA 2500-2022 and ANSI/ASSP Z359.18-2017 user guide requirements described in the Follow-Up Services Procedure.

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Date: 2022-08-31

ULL LLC



## PRODUCT DESCRIPTION

Any person rigging life safety rated anchors will want to have many of these lightweight, compact, high strength and incredibly versatile PMI Anchor Slings always on hand. Easy to set up and very reliable, these slings are great to build anchors in an end to end, basket or choker configuration. Use these configurations to wrap it around an appropriate full strength life safety anchor, such as a steel I-beam, and attach your rope or fall arrest system in a manner that minimizes abrasion and is secure to the anchor. It comes in multiple lengths ideal for a variety of rigging environments, so you may want to have different sizes for ultimate efficiency. The PMI Anchor Sling is certified to NFPA and ANSI standards.

## KEY FEATURES:

- Thick flat webbing for extra protection over sharp edges
- Multiple configurations for adaptability
- Fast setup and connection capability with large D-Ring attachment points
- High strength
- Certified to NFPA and ANSI standards

## SPECIFICATIONS

PRODUCT NAME	SKU	CALCULATED MINIMUM BREAKING STRENGTH (KN)	NFPA 1983-2017 ANSI/ASSP TYPE/CLASS
PMI® Anchor Sling	SG51029	62.4 (14,020 lbf)	Multiple Configuration Strap – General Use
Anchor Sling	SG51031	28.7 (6,445 lbf)	
Choker	SG51030	30.1 (6,771 lbf)	
			Materials
SG51029		LENGTH: 3 FT (100 CM) WIDTH: 1.75" (4.4 CM) WEIGHT: 11.0 OZ (311 G)	Nylon, polyester and steel.
SG51030		LENGTH: 4 FT (150 CM) WIDTH: 1.75" (4.4 CM) WEIGHT: 12.0 OZ (354 G)	
SG51031		LENGTH: 6 FT (200 CM) WIDTH: 1.75" (4.4 CM) WEIGHT: 14.0 OZ (410 G)	

## CERTIFICATIONS

Meets ANSI Z359.18, 2017 Edition, Type A- Anchorage Connector.

MEETS THE MULTIPLE CONFIGURATION STRAP REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

Additional information regarding multiple configuration straps can be found in NFPA 1500, NFPA 1983 and NFPA 1858 INCORPORATED IN THE 2022 EDITION OF NFPA 2500. This anchorage connector has been tested in compliance with the requirements of ANSI/ASSP Z359.7.

## WARNING!

The ANSI Compliance and testing covers only the hardware and does not extend to the anchorage and substrate to which the anchorage connector is attached. For Type A and Type T, load-bearing metallic materials used in anchorage connectors shall maintain adequate toughness at temperatures between -30 degrees F (-34 degrees C) and +130 degrees F (+54 degrees C) or be engineered to account for the reduced toughness at low temperatures. Adequate toughness is defined as no more than a 10% drop in energy absorption between representative material specimens conditioned at -30 degrees F (-34 degrees C) and +130 degrees F (+54 degrees C) undergoing a recognized impact test. The manufacturer may provide published for fracture toughness at these temperatures as evidence that adequate toughness is maintained. Metallic components that have been tested and certified as meeting ANSI/ASSP Z359.12, are deemed to comply with 3.1.3.2.

## WARNINGS

- You are responsible for your own safety and decisions while using this product.
- Special training and knowledge are required to use this product. This sling is intended for use by those who are trained and experienced in technical rope rigging and rescue applications.
- Before using this product you must thoroughly read and understand these Manufacturer's Instructions, as well as all warnings, product labels and associated information.
- Activities involving the use of this product are inherently dangerous; you must understand and accept the risks involved.
- Failure to follow these stated warnings may result in serious injury or death.
- Copy these Manufacturer's Instructions after they are separated from the sling and keep as a permanent record. Keep Manufacturer's Instructions, all product labels and the Equipment Inspection Log WITH the equipment so that any potential user can refer to them before and after use if desired and make inspection, use or status entries as needed.
- Please contact PMI at 706-764-1437 to answer any additional questions regarding safety and use of this equipment.

## ABOUT YOUR PERSONAL SAFETY

## WARNING!

## WARNINGS (continued)

- Only attach equipment to the metal attachment points of these slings.
- Be aware of the hazards created when this product is being used in conjunction with a fall arrest system. Be aware and take precautions to prevent injury while using these slings around moving machinery, electrical hazards and avoid using on or near elements with high temperatures that can damage the sling. Avoid contact between moving textiles (such as nylon rope or webbing) and stationary textiles. Friction between textiles can quickly melt through the fixed part.
- Avoid exposure of this product to any liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate the fiber from which it is made. Consult with the manufacturer in any case of doubt regarding the safe use and any possibility of damage to the product. If in doubt of the safety of the product, then retire, cut up the product immediately and discard it in a manner where it cannot be used again or cannot be put back in service.
- All connectors used with these slings must be closed and locked in a manner that prevents it from opening or coming detached from the lanyard during use.
- These manufacturer's instructions shall be provided; or immediately available, to authorized persons.
- Do not use these lanyards for material handling.
- Do not remove or alter any manufacturer labels for this product.
- Use, storage, care, maintenance, inspection, and retirement of this product should be done in accordance with these manufacturer's instructions and in accordance with ANSI/ASSP Z359.2, Minimum Requirements for a Managed Fall Protection Program. Inspections should only be conducted by an individual designated by the employer to be competent for all tasks required.
- PMI is not responsible or liable in any way for damages of any kind, injury or death resulting from direct or indirect incidents related to the use of its products.

## WARNING!

The entire life safety anchor system including the anchor points, ropes, webbing, carabiners and other equipment in the system must be of sufficient strength to safely hold the maximum weight of the intended transferred load.

## WARNING!

Check to be sure that this product is compatible with the other components of your system before use.

## WARNING!

Avoid possible abrasion that can happen when slings come into contact with hard, sharp or rough surfaces.

## WARNING!

DO NOT attempt any repairs, alterations, relocations or additions to the sling in any way. Any of these actions to this product will immediately void the warranty and can compromise the safety of this product leading to possible severe injury or death. Contact PMI with any questions.

## WARNING!

If the user is unable to determine whether the anchorage meets the manufacturer's specifications and instructions, then the anchorage connector shall only be attached to anchorages that:

- a) can withstand 5,000 pounds (2,222 kN) without failure, except that lower strengths are acceptable when permitted by applicable legislation; or
- b) are certified by a professional engineer as having the required strength for fall arrest or travel restraint, as applicable; or
- c) the manufacturer may provide specifications of allowable materials including the minimum shapes, sizes and geometry of structural elements to which the anchorage connector may be fastened.

## WARNING!

Only one fall protection system or positioning system may be attached to an individual connection point.

## WARNING!

Remove any surface contamination such as concrete, stucco, roofing material, etc., that could accelerate cutting or abrading of attached components.

## WARNING!

These slings are intended for use by personnel trained and experienced in rope rigging applications. They are designed for anchoring and tethering purposes, including rope access, rescue, and related activities, and may include an end to end or choker configuration.

*continued on next page...*



For more information about this or other PMI products, please contact us at:

**PIGEON MOUNTAIN INDUSTRIES**  
PO Box 803  
LaFayette, GA 30728, USA

**706-764-1437**  
**1-800-282-ROPE (7673)**

**custserv@pmirope.com**  
**PMIROPE.COM**

## WARNING

- YOU COULD BE KILLED OR SERIOUSLY INJURED IF YOU DO NOT READ AND UNDERSTAND THIS BOOKLET BEFORE USING PRODUCT.
- SPECIAL TRAINING AND KNOWLEDGE ARE REQUIRED TO USE THIS PRODUCT.
- YOU MUST THOROUGHLY READ AND UNDERSTAND ALL MANUFACTURER'S INSTRUCTIONS BEFORE USE.
- USE AND INSPECT THIS PRODUCT ONLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- YOU CAN CONTACT THE MANUFACTURER AT 706-764-1437 FOR IMPORTANT SAFETY INFORMATION.

## PMI LIMITED WARRANTY

PMI products are warranted to the original retail purchaser to be free from defect in material and workmanship for a period of one year. PMI will repair or replace the item without charge provided inspection at our factory discloses no misuse or alteration, which, in our judgment, has affected the condition or functioning of the product. All implied warranties imposed by law in connection with the sale of PMI products are also limited in duration to a period of one year. PMI expressly excludes and shall not be liable for any consequential damages arising out of any breach of the express or implied warranties on sales of PMI products. Because of the high risks involved in high angle rope work such as, but not limited to, rescue, rope access, caving, rappelling, rock climbing and mountaineering, no further warranties exist or are implied by PMI. Regulations issued under the Magnuson-Moss Warranty Act require us to include the following statement: some states do not allow limitations on how long an implied warranty lasts nor the excluding or limitation of incidental or consequential damages, so the above limitations may not apply to you.

**WARNINGS** (continued)

**⚠️ WARNING!**

These anchorage connectors have been tested in compliance with the requirements of ANSI/ASSP Z359.7. Be aware and use caution that the ANSI compliance and testing covers only the hardware and does not extend to the anchorage and substrate to which the anchorage connector is attached.

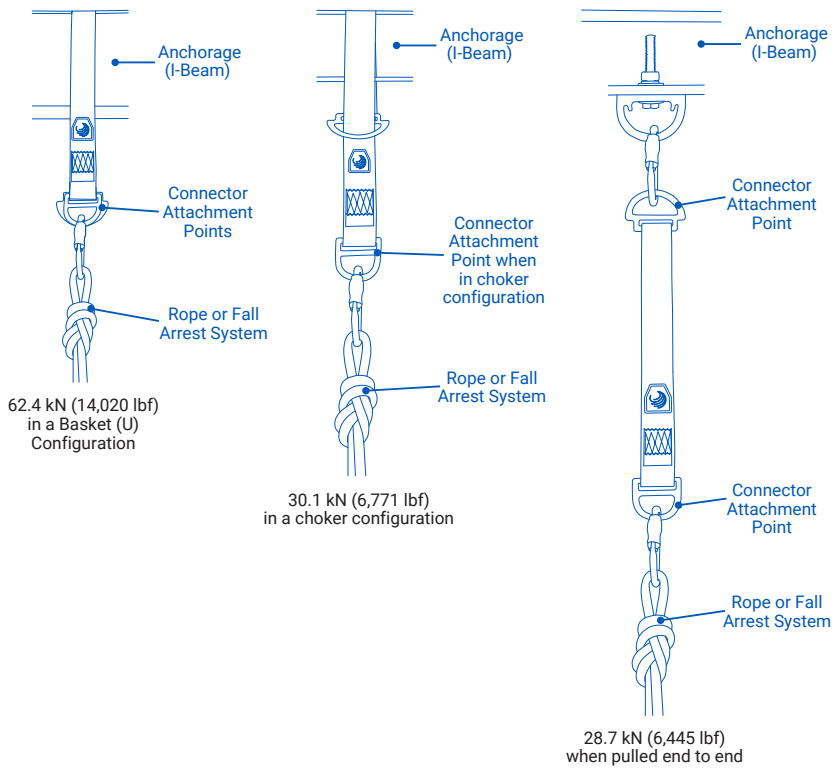
**SAVE THESE INSTRUCTIONS.**

**USE**

The diagrams in this section show the intended use and proper installation around an appropriate anchor for the PMI® Anchor Sling.

Read and understand the Warnings section before use. Always make sure to do the following:

- Check to be sure this product is compatible with the other components of your system.
- Ensure the anchors are designed to be of sufficient strength for the intended load.
- Beware of possible abrasion or cutting where the sling comes in contact with hard or sharp surfaces. Use additional edge protection in these situations to prevent damage to the sling.



**CARE & MAINTENANCE**

Proper care and maintenance of this PMI® Anchor Sling can help maintain the safety features and prolong the life of this product.

- Maintain this PMI® Anchor Sling in accordance with these Manufacturer's Instructions where the metal components are subjected to corrosion or deterioration, and do not store with dissimilar metals.
- Do not expose the sling to flame or extreme low or high temperatures. Carry the sling where it will be protected as it can melt or burn and fail if exposed to flame or high temperatures. Avoid storage in a hot vehicle.
- Keep your sling clean using the cleaning guidelines found in this instruction. Dirt rubbing into and against the fibers will deteriorate it.
- Hang to air dry after washing and dry completely before storing your sling.
- Store your sling in a clean, dark, dry environment, not on a cement floor, and away from exposure to chemicals, noxious fumes, corrosive or other harmful agents.

**CLEANING YOUR PMI® ANCHOR SLING**

Washing - You can wash a sling that is dirty by hand using clean cool to warm water <30°C (<86°F) with a mild soap. PMI recommends using PMI Rope Soap, otherwise non detergent soaps are best. Soap used should not contain any bleaching agents.

**DO NOT:**

- DO NOT use top loading washing machines with agitators because they may tangle the sling and can cause damage to the machine.
- DO NOT use a commercial dryer to dry the sling.
- DO NOT leave wet slings on a surface from which contaminants might leach (such as concrete) for an extended period of time.
- DO NOT expose any slings to exhaust fumes.

**CARE & MAINTENANCE** (continued)

**DISINFECTING**

Disinfection of a sling may occasionally become necessary, such as when exposed to bloodborne pathogens. To disinfect a sling, PMI recommends following the NFPA standard for cleaning rescue gear of bloodborne pathogens. Keeping in mind that undiluted household bleach is known to damage nylon, NFPA calls for using a diluted solution of household bleach to clean rescue gear exposed to bloodborne pathogens. Add 60 ml of household bleach per 4 liters of tap water. That's about one quarter (1/4) cup of household bleach per gallon of water. Be aware that some commercial bleach solutions are stronger than the recommended 1.5% that is typical for household bleach. Soak the gear in the diluted solution for ten minutes, then rinse thoroughly with tap water. The rinsing cycle is critical to prevent any damage to the rope from the bleach. It is good to soak the gear in tap water for the same amount of time it soaked in the bleach solution.

**⚠️ WARNING!**

The use of bleach over a long period of time, in repeated uses, can cause damage to fibers such as nylon. Bleach should be used sparingly and then only when needed. If there is noticeable damage DO NOT use the sling.

**DRYING** — Allow the sling to thoroughly dry in a cool, dry, well-ventilated area out of direct sunlight before storing it. For best results, it should be hung up to air dry in a low humidity environment and off of surfaces from which contaminants might leach (such as concrete).

**WRITE IT DOWN** — Remember to record the cleaning on the Equipment Log.

**KEEP IT CLEAN** — Store your sling in a clean, dark, dry environment, away from exposure to acids, other harmful chemicals, noxious fumes or other abuse.

**INSPECTION**

- Inspect the sling upon receiving it and before and after each use to ensure proper function, product integrity, and condition of stitching.
- Inspect by starting at one end and look at and feel every inch of the sling. Watch for signs that might indicate possible damage such as discoloration, chemical odors, abrasion marks, cuts, nicks and any visible differences.
- Use the RETIREMENT section statements as part of your inspection process and retire any sling that does not pass the criteria of each bullet point.
- IF IN DOUBT, THROW IT OUT- If you are not sure about the integrity of your sling, DO NOT USE IT. Consult PMI if you need help or have questions.
- Maintain an Equipment Log for each individual sling and review it regularly. Include information such as date of manufacture, date placed in service, dates of use, conditions under which equipment is used, results of inspections, document any cleanings and other information specific to your application.
- Use and inspection of this product should only be done in accordance with the Manufacturer's Instructions. Inspections should only be conducted by an individual competent in all aspects and safety considerations of life safety equipment used at height or a person that is designated as competent by the employer to inspect this equipment.
- If a sling is dropped or impact-loaded, then remove from service immediately and have it inspected by a competent person to determine if it should be retired.
- At a minimum, regardless of use, inspect your Anchor Sling every 6 months.
- Always inspect metal components which can be subjected to corrosion or deterioration.
- Inspect where the metal and soft goods interact to determine that there are no sharp edges or damage to the soft goods.

**PRODUCT LIFETIME**

Retiring your sling is a judgment that is the responsibility of the user and should be based largely on results of frequent inspections, environment and use history. If you have any questions regarding retirement of a PMI product you can contact PMI at (706) 764-1437.

Regardless of history and use, a PMI® Anchor Sling should be retired if it is greater than 10 years from the date of manufacture. The actual service life may be much less than 10 years and should be based largely on the results of frequent inspection and use history. Material integrity and product performance characteristics will degrade over time. PMI recommends that you thoroughly inspect your equipment before each use and at a minimum at least once every 6 months. Specialized training may be required to become competent with inspecting equipment and knowing when to retire your equipment. Good judgment, as well as proper care and inspection, are key to making personal decisions regarding the retirement of your sling.

A significant event with the potential to change the product should prompt you to consider retiring it immediately even if before or after only one use. Factors that may affect the safety of a sling depends on the type and frequency of usage (light to heavy), the environment including harsh environments with extreme temperatures, marine (salty or highly corrosive) environments, chemical contact, contact with sharp edges, etc. Textiles can become dry and brittle, plastics can weaken in areas, small cracks can form, etc. The best way to know when a change has occurred is to implement frequent detailed inspections before each use.

**RETIREMENT**

- RETIRE IMMEDIATELY any sling where the stitching is cut, torn, excessively worn or visibly damaged.
- RETIRE IMMEDIATELY any sling whose strength may have been compromised during use.
- RETIRE IMMEDIATELY any sling which is subjected to uncontrolled or excessive loading.
- RETIRE IMMEDIATELY any sling which is greater than 10 years old, regardless of history and usage.
- RETIRE IMMEDIATELY any sling whose history and past usage you are uncertain about.
- RETIRE IMMEDIATELY any sling that has been exposed to heat, direct flame or excessive abrasion.
- RETIRE IMMEDIATELY any sling that has been exposed to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate the sling.
- RETIRE IMMEDIATELY any sling that does not pass inspection when following the inspection procedures in these instructions, both before and after each use.
- RETIRE IMMEDIATELY any sling when there is any doubt about its safety or serviceability.

**⚠️ WARNING!**

CUT RETIRED slings to discourage future use and discard them entirely. A retired sling should not be stored, kept or maintained in such a way that it could inadvertently be used for life safety purposes.

**EQUIPMENT INSPECTION LOG**

Item	Model #	Date of Manufacture	Date in Service	Size
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lot Number	Purchased From	Purchase Date	ID Markings	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Date Used	Use/Maintenance	Comments	Name

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