

User Instructions

Anchorage Connector Strap

Anchorage Connector Assembly

**Model Number / Numero de modelo /
Numero de modele**



Order No.: 10044121/07
Print Spec.: 10000005389 (F)
CR 800000036129



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, and 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.**



The Safety Company

1000 Cranberry Woods Drive
Cranberry Township, PA 16066
USA
Phone 1-800-MSA-2222
Fax 1-800-967-0398

For your local MSA contacts please go to our website www.MSAafety.com

1 Safety Regulations

1.1 Correct Use

The Anchorage Connector Strap is primarily a component of a Personal Fall Arrest system, serving as an anchorage connector. It may also be used for work positioning, travel restriction, rescue, retrieval, evacuation and confined space entry/exit operations, depending on the associated system components used together with the Anchorage Connector Strap.

Use of the Anchorage Connector Strap must comply with these User Instructions and, further, is subject to approval under the user's safety rules and regulations and by the user's safety director, supervisor, or a qualified safety engineer. Be certain the selection of an anchorage connector is suited for the intended use and work environment. If there is any conflict between these User Instructions and other directives or procedures of the user's organization, do not use the Anchorage Connector Strap until such conflicts are resolved. Consult all local, state, and federal Occupational Health and Safety Administration (OSHA) requirements for personal safety equipment. Also refer to the latest revision of ANSI/ASSE Z359.18 standards for more information on Anchorage Connector Straps and associated system components. In Canada, refer to provincial and federal regulations.

The Anchorage Connector Strap is intended for use by trained and qualified personnel.

It is imperative that this manual be read and observed when using the product. In particular, the safety instructions, as well as the information for the use and operation of the product, must be carefully read and observed. Furthermore, the national regulations applicable in the user's country must be taken into account for a safe use.

Alternative use, or use outside this specification will be considered as non-compliance. This also applies especially to unauthorized alterations to the product and to commissioning work that has not been carried out by MSA or authorized persons.

1.2 Compliance

The product may comply with:

- ANSI Z359.18, Type A and / or;
- OSHA requirements

See product label for specific compliance notifications.

Anchorage connectors labeled with ANSI Z359.18 have been tested in compliance with the requirements of ANSI/ASSE Z359.7.

NOTICE

ANSI compliance and testing covers only the hardware and does not extend to the anchorage and substrate to which the anchorage connector is attached.

1.3 Usage Specifications

- The Anchorage Connector Strap is capable of withstanding a load of 5,000 lbf (22.2 kN) without breaking or permanent deformation.
- The Anchorage Connector Strap is designed for the attachment of a single personal fall arrest system.
- MSA Anchorage Connector Straps use the following strap materials varying by model:
 - The PointGuard™ Residential Anchorage Connector Strap uses red polyester webbing of 1.75 in. (44.5 mm) nominal width with a minimum breaking strength, when new, of 6,500 lbf (28.9 kN).
 - The MSA Anchorage Connector Strap uses either orange polyester webbing of 3 in. (76 mm) nominal width with a minimum breaking strength, when new, of 29,400 lbf (130 kN) or yellow nylon webbing of 3 in. (76 mm) nominal width with a minimum breaking strength, when new, of 18,000 lbf (80 kN). Webbing varies per specific model number.

Safety Regulations

The Double D-Ring Anchorage Connector Strap and MSA Anchorage Sling use red polyester webbing of 1.75 in. (44.5 mm) nominal width with a minimum breaking strength, when new, of 6,500 lbf (28.9 kN).

The Thermatek® Anchorage Connector Strap uses black kevlar webbing of 2.75 in. (69.8 mm) nominal width with a minimum breaking strength, when new, of 10,000 lbf (44.4 kN). This model is designed for use in high heat environments such as welding and cutting.

- Optional D-ring (hardware) is steel, zinc plated, with a minimum breaking strength of 5,000 lbf (22.2 kN), and 100% proof tested to 3,600 lbf (16 kN).
- When used as part of a personal fall arrest system, fall arresting forces must not exceed 1,800 lbf (8 kN).

1.3.1 Physical Limitations

The anchorage connector strap is designed for one person. See instruction labels on each fall protection subsystem component to determine the limiting user weight capacity of the system.

1.4 Safety and Precautionary Measures to be Adopted



WARNING!

- ▶ DO NOT exceed the allowable free fall distance or exceed the maximum fall arrest forces as specified by governing standards or subsystem components.
- ▶ The anchorage to which the Anchorage Connector Strap is attached must be rated in the direction of intended use. See sections 2.3.3 "Anchorages and Anchorage Connectors" and 3 "Use" for details on anchorage strength and loading details.
- ▶ When installing or removing the Anchorage Connector Strap limit exposure to fall hazards. A separate independent fall arrest system may be required.
- ▶ Ensure that fall clearance is sufficient to meet governing standards or subsystem component requirements.
- ▶ Fall clearance and free fall limits must take into account the additional length that the Anchorage Connector Strap adds to the lanyard length.
- ▶ Prevent swing falls and impact with objects in or adjacent to the fall path. Always remove obstructions below the work area to ensure a clear fall path. Keep work area free from debris, obstructions, trip hazards, spills or other hazard which could impair the safe operation of the fall protection system. DO NOT use the Anchorage Connector Strap unless a qualified person has inspected the workplace and determined that identified hazards can neither be eliminated nor exposures to them prevented.
- ▶ Work directly under the anchorage/anchorage connector at all times. A full body harness is the only acceptable body holding device that can be used in a fall arrest system.
- ▶ DO NOT rely on feel or sound to verify proper snaphook or carabiner engagement. Ensure that gate and keeper are closed before use.
- ▶ If the Anchorage Connector Strap is damaged or is subjected to fall arrest forces or impact forces, it must be immediately removed from service and marked as "UNUSABLE" until it has been destroyed.
- ▶ DO NOT leave the Anchorage Connector Strap installed in environments which could cause damage or deterioration to the product. Refer to sections 4 "Care, Maintenance and Storage" and 5 "Inspection" for care and inspection details. Do not leave unattended loads on the Anchorage Connector Strap.
- ▶ DO NOT use where lanyard or shock absorber may be exposed to sharp or abrasive edges or sheared, expanded metal, or frame cut steel. Sharp edges may cut a lanyard or shock absorber during a fall. Cover all sharp or abrasive edges with padding or sheathing before working above edge.

- ▶ Chemical hazards, heat and corrosion may damage the Anchorage Connector Strap. More frequent inspections are required in these environments.
- ▶ DO NOT use Anchorage Connector Strap adjacent to moving machinery, electrical hazards, or in the presence of excessive heat, open flame or molten metal.
- ▶ DO NOT use fall arrest or rescue equipment in environments with temperatures greater than 130°F (34°C) or temperatures lower than -30°F (-34°C).
- ▶ DO NOT use the Anchorage Connector Strap near energized equipment or where contact with high voltage power lines may occur. The metal cable may provide a path for electrical current to flow, resulting in an electrical shock or electrocution.
- ▶ Remove any surface contamination such as, but not limited to, concrete, stucco, roofing material, etc that could accelerate cutting or abrading of attached components.
- ▶ Anchorage Connector Straps are to be designated and used solely for approved applications.
- ▶ Unauthorized alterations, relocations, or additions to the anchorage connector extension are not permitted.
- ▶ DO NOT alter this equipment or intentionally misuse it. DO NOT use fall protection equipment for purposes other than those for which it was designed. DO NOT use fall protection equipment for towing, hoisting or material handling.
- ▶ If PPE is resold, it is essential that instructions for use, maintenance, and periodic examination are provided in the language of destination.
- ▶ DO NOT use MSA Fall Protection products if under the influence of drugs or alcohol.
- ▶ MSA or persons or entities authorized in writing by the manufacturer, shall make all repairs to the equipment. No unauthorized repairs and/or modifications are permitted.
- ▶ RESCUE AND EVACUATION: The user must have a rescue plan and the means at hand to implement it. The plan must take into account the equipment and special training necessary to effect prompt rescue under all foreseeable conditions. If the rescue be from a confined space, the provisions of OSHA regulation 1910.146 and ANSI Z 117.1 must be taken into account. Although a rescue plan and the means to implement it must always be in place, it is a good idea to provide means for user evacuation without assistance of others. This will usually reduce the time to get to a safe place and reduce or prevent the risk to rescuers.

Failure to follow these warnings can result in serious personal injury or death.

1.5 Usage Limitations

The following applications limitations must be considered and planned for before using the Anchorage Connector Strap.

1.5.1 Physical Limitations

The anchorage connector strap is designed for one person. See instruction labels on each fall protection subsystem component to determine the limiting user weight capacity of the system.

1.5.2 Chemical Hazards

Acidic, alkaline or other environments with harsh substances may damage the hardware elements of the anchorage connector strap. If working in a chemically aggressive environment, consult MSA to determine which anchorage connector material is better for your specific conditions. When working in the presence of chemicals, more frequent inspection of the anchorage connector strap is required.

1.5.3 Corrosion

Do not expose the anchorage connector strap to corrosive environments for prolonged periods. Organic substances and salt water are particularly corrosive to metal parts. When working in corrosive environments, more frequent inspection, cleaning and drying of the anchorage connector strap is required.

Safety Regulations

1.5.4 Electrical Hazards

Use extreme caution when working near energized electrical sources. Metal hardware will conduct electric current. Maintain a safe working distance (preferably at least 10 feet - 3 m) from electrical hazards.

1.5.5 Impact Forces

Any anchorage connector strap which has been subjected to the forces of arresting a fall must be immediately removed from service and marked as "UNUSABLE" until destroyed.

1.6 Liability Information

MSA accepts no liability in cases where the device has been used inappropriately or not as intended. The selection and use of the device are the exclusive responsibility of the individual operator.

Product liability claims, warranties and guarantees made by MSA with respect to the device are voided, if it is not used, serviced or maintained in accordance with the instructions in this manual.

1.7 Training

Users of MSA Products must be familiar with the User Instructions and be trained by a competent person in:

- workplace hazard identification, evaluation and control
- selection, inspection, use, storage and maintenance
- usage planning including calculation of free and total fall distance; maximum arresting force
- compatibility and selection of anchorage/anchorage connectors including connection to help prevent accidental disengagement (rollout)
- proper lanyard/harness connection locations
- evacuation and rescue planning and implementation
- consequences of improper use

For Confined Space applications:

- See OSHA 29 CFR 1910.146 and ANSI Z117.1.

Periodically (at least annually) assess effectiveness of training and determine the need for retraining or additional training. Contact MSA for training information.

1.8 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).

2 Description

MSA Anchorage Connector Straps are components designed specifically for coupling a single personal fall arrest system to an anchorage. The anchorage connector strap is available in a range of lengths. See product label for length of product. There are two basic styles of anchorage connector strap:

2.1 Double D-Ring

Wraps around approved structural support, then smaller attachment D-Ring passes through large D-Ring, choking onto structural support.

2.2 Sewn Loop and Attachment Element

Wraps around approved structural support, attachment element D-Ring or small sewn loop passes through larger sewn loop, choking onto structural support.

* Small sewn loop for attachment is an optional element of the MSA PointGuard™ Residential only. Use of a carabiner is recommended for attachment to PointGuard™ with small sewn loop.

2.3 System Requirements

2.3.1 Compatibility of Components and Subsystems

Anchorage Connector Straps are designed to be used with MSA approved components and connecting subsystems. Use of the Anchorage Connector Straps with products made by others that are not approved in writing by MSA may adversely affect the functional compatibility between system parts and the safety and reliability of the complete system. Connecting subsystems must be suitable for use in the application (e.g. fall arrest or restraint). MSA produces a complete line of connecting subsystems for each application. Contact MSA for further information. Refer to the manufacturer's instructions supplied with the component or connecting subsystem to determine suitability. For fall arrest applications using the Anchorage Connector Strap, the maximum fall arrest force must not exceed 1,800 lbf (8 kN). Contact MSA with any questions regarding compatibility of equipment used with the Anchorage Connector Strap.

2.3.2 Compatibility of Connectors

Connectors, such as D-rings, snaphooks, and carabiners, must be rated at 5,000 lbf (22 kN) minimum breaking strength. MSA connectors meet this requirement. Connecting hardware must be compatible in size, shape, and strength. Non-compatible connectors may accidentally disengage ("rollout"). Always verify that the connecting snaphook or carabiner and the D-ring on the harness or anchorage connector are compatible. Use only self-closing, self-locking snaphooks and carabiners with the Anchorage Connector Strap.

2.3.3 Anchorages and Anchorage Connectors

Anchorages for personal fall arrest systems must either: (a) have a strength capable of supporting and withstanding at least 5,000 pounds (22.2 kN) in the directions permitted by the system without failure, or (b), must be certified by a professional engineer as having the required strength for fall arrest or travel restraint, as applicable. See ANSI Z359.18 for definition of certification. When more than one personal fall arrest system is attached to an anchorage, the anchorage strengths set forth in (a) and (b) must be multiplied by the number of systems attached to the anchorage. This requirement is consistent with OSHA requirements under 20 CFR 1910, Subpart F, Section 1910.66, Appendix C. Do not proceed with installation and use of the anchorage connector if an assessment of strength cannot be made.

2.4 Markings and Labels

The labels must be present, legible and securely attached to the Anchorage Connector Strap.

▲ WARNING / ADVERTENCIA / AVERTISSEMENT

Read and heed all instructions in user manual supplied with this product.
 User must inspect before each use. See separate instruction for details.
 The Anchorage Connector Strap must be attached to anchorages rated to 5,000 lbs or have a 2:1 safety factor determined by a qualified person.
 Remove from service if subject to fall arrest.
 Avoid sharp edges and abrasive surfaces.
 Avoid thermal, electrical, and chemical hazards.
 Make only compatible connections.
 Failure to follow warnings and instructions can result in serious injury or death.

Lea y siga todas las instrucciones del manual del usuario que acompaña este producto.
 El usuario deberá inspeccionarlo antes de cada uso. Consulte las instrucciones por separado para obtener detalles.
 La correa del conector de anclaje deberá estar conectada a anclajes con capacidad para 2268 kg (5000 libras) o tener un factor de seguridad de 2:1 determinado por una persona calificada.
 Retire del uso si ha sido sometida a detención de caídas.
 Evite los bordes cortantes y las superficies abrasivas.
 Evite los peligros térmicos, eléctricos y químicos.
 Solamente haga conexiones compatibles.
 El no seguir las advertencias e instrucciones puede producir lesiones graves o la muerte.

Lire et tenir compte de toutes les instructions du manuel de l'utilisateur fourni avec ce produit.
 L'utilisateur doit inspecter le produit avant chaque utilisation. Voir les instructions supplémentaires pour obtenir plus de détails.
 La courroie du connecteur d'ancrage doit être fixée à un ancrage pouvant soutenir une charge de 2 268 kg (5 000 lb) ou ayant un facteur de sécurité de 2:1 établi par une personne qualifiée.
 Retirer le produit du service s'il a été soumis à des forces d'arrêt de chute.
 Éviter tout contact avec des rebords acérés et des surfaces abrasives.
 Éviter d'exposer le produit à la chaleur, à des sources d'électricité et à des produits chimiques.
 N'effectuer que des raccords avec des pièces compatibles.

INSPECTION GRID

YR	J	F	M	A	M	J	J	A	S	O	N	D
1 st												
2 nd												
3 rd												
4 th												
5 th												

PUNCH GRID ON MONTH OF FIRST USE AND AFTER EACH FORMAL INSPECTION

112 Rev. 4 10044147

MSA
 The Safety Company

Anchorage Connector
 Conector de Anclaje / Connecteur d'Ancre

Model / Modelo / Modèle []
 Material / Material / Matière []
 Serial Number / Número de Serie / Numéro de Série []
 Date Made / Fecha de Fabricación / Date de Fabrication []
 Expiration Date / Fecha De Vencimiento / Date d'échéance N/A
 Meets Standards / Cumpie con los Estándares / Satisfait aux normes []

**DO NOT REMOVE THIS LABEL
 NO QUITE ESTÁ ETIQUETA
 NE PAS RETIRER CET ÉTIQUETTE**

MSA - The Safety Company
 1000 Cranberry Woods Dr. • Cranberry Twp., PA 16666
 Ph: 1-800-672-2222 • Fax: 1-800-967-0398

916 Rev. 7 10046293

MSA
 Anchor • Anclaje • Ancrege

Model/Modelo/Modèle []
 Material/Material/Matière []
 Serial Number/ Número de Serie/ Numéro de Série []
 Date Made/ Fecha de Fabricación/ Date de Fabrication []
 Length/Longitud/Longueur []
 Capacity: [] Includes 1 person + clothes + tools /Incluye 1 persona + ropas + herramienta /Inclut 1 personne + vêtements + outils
 Capacite: []
 Meets Standards/ Cuple con los Estándares/ Satisfait aux normes []
 Expiration Date/ Fecha De Vencimiento/ Date d'échéance [] N/A

INSPECTION GRID

YR	J	F	M	A	M	J	J	A	S	O	N	D
1 st												
2 nd												
3 rd												
4 th												
5 th												

PUNCH GRID WITH BALL POINT PEN ON MONTH OF FIRST USE AND AFTER EACH FORMAL INSPECTION BY COMPETENT PERSON.

▲ WARNING / ADVERTENCIA / AVERTISSEMENT

Read and heed all instructions in user manual supplied with rope grab. Remove from service if subject to fall arrest. Avoid sharp edges and abrasive surfaces. Make only compatible connections. Failure to follow warnings and instructions can result in serious injury or death.

Lea y siga todas las instrucciones del manual del usuario que acompaña al supliador de cuerda. Retire de servicio si a sido sujeto a las fuerzas que actúan durante le detención de abrasivos. Solamente haga conexiones compatibles. El no seguir las advertencias e instrucciones puede producir lesiones graves o la muerte.

Lire et tenir compte de toutes les instructions du manuel de l'utilisateur fourni avec coeuseau de sécurité. Retire du service si soumis à un arrêt de chute. Éviter tout contact avec des rebords acérés et des surfaces abrasives. N'effectuer que des raccords avec des pièces compatibles. Tout manquement aux avertissements et aux instructions pourrait entraîner des blessures graves ou même la mort.

MSA Corporate Headquarters
 P.O. Box 426 • Pittsburgh, PA 15230
 Ph: 1-800-672-2222 • Fax: 1-800-967-0398

**DO NOT REMOVE THIS LABEL
 NO QUITE ESTAS ETIQUETA
 N'ENLEVEZ PAS CES ÉTIQUETTES**

9011 Rev 0 10107276

3 Use

3.1 Planning the Use of Systems

3.1.1 Free Fall Distance, Total Fall Distance and System Elongation

Refer to separate User Instructions accompanying the personal energy absorber (shock absorbing lanyard or self-retracting lanyard) to determine total system clearance requirements. Fall clearance and free fall limits must take into account the additional length that the Anchorage Connector Strap adds to the lanyard length.

3.1.2 Pendulum (Swing) Falls

Swing fall hazards must be minimized by anchoring directly above the user's work space. The force of striking an object in a pendular motion can cause serious injury. Always minimize swing falls by working as directly below the anchorage point as possible.

3.2 Inspection Before Each Use

Inspect the Anchorage Connector Strap to verify that it is in serviceable condition. Examine every inch of the straps for severe wear, cuts, burns, frayed edges, abrasion, damage to webbing or other damage. Examine stitching for any pulled, loose, or torn stitches. Do not use an Anchorage Connector Strap if inspection reveals an unsafe condition.

3.3 Installation of the Anchorage Connector Strap

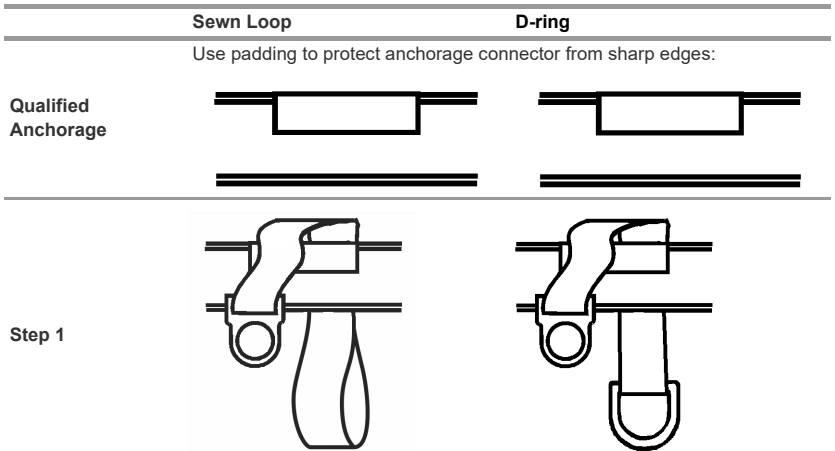
 **CAUTION!**

When installing or removing Anchorage Connector Straps, limit exposure to fall hazards. A separate independent fall arrest system may be required.

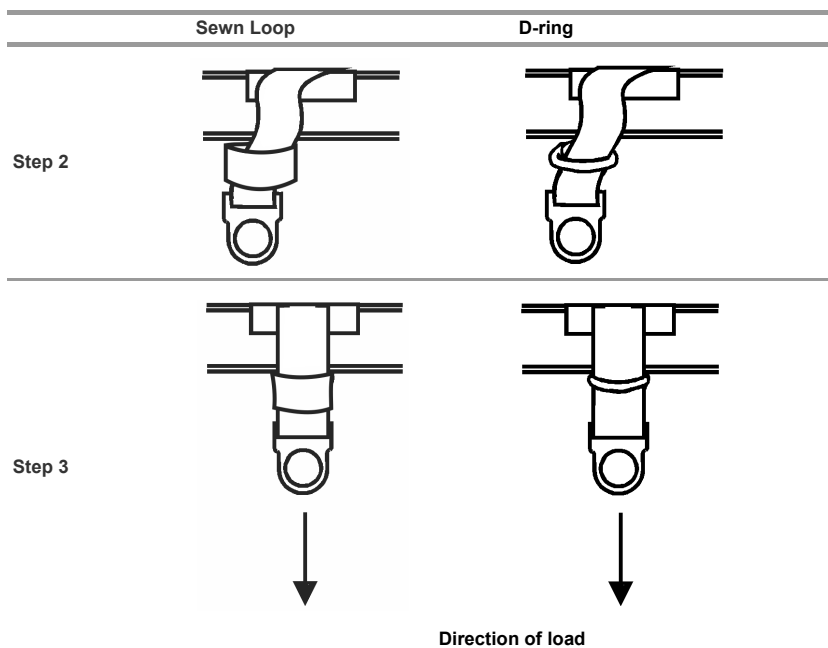
Failure to follow this warning can result in serious personal injury or death.

Anchorage Connector Straps are designed to be attached to various structures, while under construction, to act as a connector between an approved anchorage and a compatible personal fall arrest system.

See illustrations for example of installation of anchorage connector straps. For models with wear pads, ensure pad is properly located protecting webbing from all sharp corners and abrasive surfaces.



US



3.4 Making Connections

When using a snaphook or carabiner to connect to an anchorage or when coupling components of the system together, do not make knots. Snaphooks and carabiners must not be connected to each other. Do not attach two snaphooks or carabiners into one D-ring. Always follow the manufacturer's instructions supplied with each system component. When connecting snaphook or carabiner to the model with no D-ring, ensure that webbing does not load gate.

3.5 Removal of the Anchorage Connector Strap



WARNING!

Use only on beams with closed or capped ends to prevent slide off.

Failure to follow this warning can result in serious personal injury or death.

Before attempting removal of the Anchorage Connector Strap, disconnect all loads and attachment elements from the Anchorage Connector Strap. Unwrap by passing attachment end back through loop. If connector cannot be removed in this manner, use a sheetrock knife, shears, or other cutting instruments to cut the strap at the intersection of the strap and roof, wall, etc.

4 Care, Maintenance and Storage

4.1 Cleaning Instructions

Clean the Anchorage Connector Strap with a solution of water and mild laundry detergent. Dry hardware with a clean cloth and hang to air dry. Do not speed dry with heat. Excessive accumulation of dirt, paint, or other foreign matter may prevent proper function of the Anchorage Connector Strap and, in severe cases, weaken the webbing. Questions concerning anchorage connector strap conditions and cleaning should be directed to MSA.

4.2 Storage

Store the anchorage connector strap in a cool, dry and clean place out of direct sunlight. Avoid areas where heat, moisture, light, oil, and chemicals or their vapors or other degrading elements may be present. Equipment which is damaged or in need of maintenance should not be stored in the same area as usable equipment. Heavily soiled, wet, or otherwise contaminated equipment should be properly maintained (e.g. dried and cleaned) prior to storage. Prior to using equipment which has been stored for long periods of time, a Formal Inspection should be performed by a competent person.

4.3 Maintenance and Service

Equipment which is damaged or in need of maintenance must be tagged as "UNUSABLE" and removed from service. Corrective maintenance (other than cleaning) and repair, such as replacement of elements, must be performed by the MSA factory. Do not attempt field repairs.

5 Inspection

5.1 Inspection Frequency

The Anchorage Connector Strap must be inspected by the user before each use and, additionally, by a competent person other than the user at intervals of no more than six months. The competent person inspection is referred to as Formal Inspection.

The program administrator shall maintain documentation of equipment inspections. This documentation shall include, at a minimum, the identity of the equipment, inspection date, name of the competent or qualified person conducting the inspection and the result of that inspection.

The program administrator shall set inspection criteria for the equipment. Such criteria shall equal or exceed the most restrictive of the criteria established by the ANSI Z359.18 standard or the manufacturer's user instructions. Keep inspection criteria current in relationship to changing patterns or conditions of use.

5.2 Inspection Steps

- (1) Inspect the Anchorage Connector Strap labels to verify that they are present and legible. See section 2.3 "Markings and Labels", for the specific labels that should be present and the information contained on those for the model number shown on page one (1) of these instructions.
- (2) Check the Formal Inspection Grid to be sure a Formal Inspection has been performed within the last six months.
If the Grid does not indicate that a Formal Inspection has been performed within the last six months (by being punched), or if any labels are missing or illegible, remove the Anchorage Connector Strap from use and mark it as "UNUSABLE" until a Formal Inspection is performed by a competent person.
- (3) Inspect the metal connectors for fractures, cracks, corrosion, deep pitting, deep nicks, and evidence of excessive heat or chemical exposures. Inspect the webbing and stitching for fraying, cuts, and evidence of excessive heat or chemical exposure.
- (4) Inspect the plastic label for its presence and legibility.
- (5) Inspect each component and subsystem of the complete system in accordance with the associated manufacturer's instructions.

5.3 Corrective Action

When inspection in accordance with section 5 "Inspection" reveals any of the identified conditions, the Anchor Connector Strap must be immediately removed from service and marked as "UNUSABLE" until destroyed or subjected to corrective maintenance by the user's organization in accordance with this user instruction. Damage, excessive wear, malfunction, and aging are generally not repairable. If detected, immediately remove the Anchor Connector Strap from use and mark it as "UNUSABLE" until destroyed. For final disposition, submit the Anchor Connector Strap to a competent person who is authorized to perform Formal Inspection. If there is any question as to reparability, contact MSA or a service center authorized in writing by MSA before further use of the product.



Unauthorized alterations, relocations, or additions to the Anchor Connector Strap are not permitted. Only MSA or persons or entities with written authorization from the manufacturer may make repairs to the Anchor Connector Strap. No unauthorized repairs, modifications, alterations, relocations, and/or additions are permitted. Failure to follow this warning can result in serious personal injury or death.

5.4 Inspection Log

Model No.:	Inspector:
Serial No.:	Inspection Date:
Date Made:	Disposition:
Comments:	

US

5.4.1 Inspection Diagram

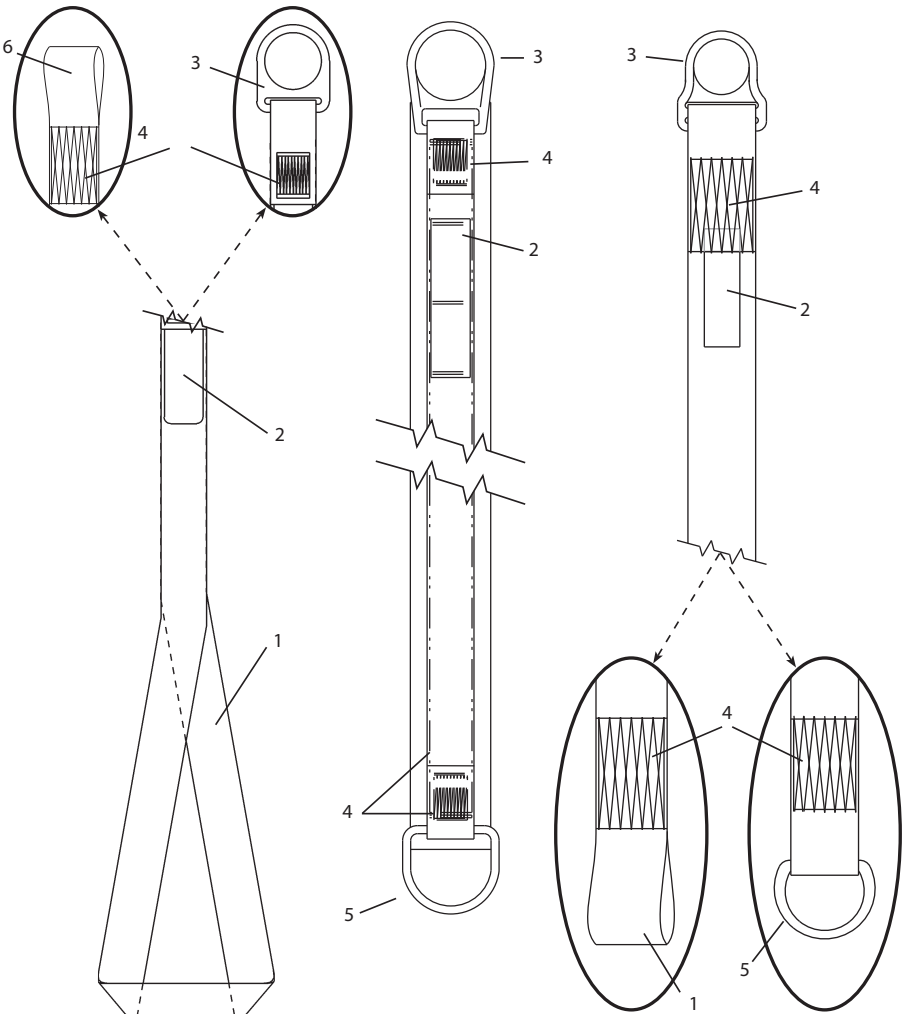


Fig. 1 Inspection Diagram

- | | | | |
|---|------------|---|-----------------|
| 1 | Sewn Loop | 4 | Stitching |
| 2 | Labels - 2 | 5 | Large D-ring |
| 3 | D-ring | 6 | Small Sewn Loop |



