

Operating Manual

## MSA Rail Slider™ Anchorage Connector



Order No.: SSRS001/09

Print Spec: 10000005389 (F)

CR: 800000068448

**⚠ WARNING!**

These instructions must be provided to users before use of the product and retained for ready reference by the user. Read this manual carefully before using or maintaining the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed, and persons who rely on this device could sustain serious injury or death.

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The warranties made by MSA with respect to the product are voided if the product is not installed and used in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions.

Please read and observe the WARNINGS and CAUTIONS inside. For additional information relative to use or repair, call 1-800-MSA-2222 during regular working hours.

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# Contents

<b>1</b>	<b>Safety Regulations</b> .....	<b>4</b>
1.1	Correct Use .....	4
1.2	Compliance .....	4
1.3	Usage Specifications .....	4
1.4	Safety and Precautionary Measures .....	4
1.5	Usage Limitations .....	6
1.6	Training .....	6
<b>2</b>	<b>Description</b> .....	<b>6</b>
2.1	System Requirements .....	7
2.2	Markings and Labels .....	7
2.3	Liability Information .....	8
<b>3</b>	<b>Use</b> .....	<b>8</b>
3.1	Planning the Use of Systems .....	9
3.2	Inspection Before Each Use .....	9
3.3	Making Connections .....	9
3.4	Inspecting the MSA Rail Slider Anchorage Connector .....	9
3.5	Moving around the Work Area .....	12
<b>4</b>	<b>Care, Maintenance and Storage</b> .....	<b>12</b>
4.1	Cleaning .....	12
4.2	Storage .....	12
4.3	Maintenance and Service .....	12
<b>5</b>	<b>Inspection</b> .....	<b>12</b>
5.1	Inspection Frequency .....	12
5.2	Inspection Steps .....	13
5.3	Corrective Action .....	15
5.4	Inspection Log .....	15
5.5	Inspection Diaphragm .....	15
5.6	Warranty .....	15

### 1 Safety Regulations

#### 1.1 Correct Use

##### **WARNING!**

- The MSA Rail Slider Anchorage Connector is designed for use by one person working at an elevated work level.
- 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 follow these warnings can result in serious personal injury or death.**

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The MSA Rail Slider Anchorage Connector links the user to a rail anchorage point. It allows the worker to utilize existing rails as temporary anchors, without the need for drilling or permanently attaching anchorages. It moves with the worker allowing for continuous tie off.

#### 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.

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#### 1.3 Usage Specifications

- The MSA Rail Slider Anchorage Connector is capable of withstanding a load of 5,000 lbf (22.2 kN) without breaking or permanent deformation.
- The MSA Rail Slider Anchorage Connector is designed for the attachment of a single personal fall arrest system.
- Weight: 6,0 lbf (2,9 kg)
- Materials of construction: SA516 Grade 70 Steel
- When used as part of a personal fall arrest system, fall arresting forces must not exceed 1,800 lbf (8 kN).
- See instructions and labels on each fall protection subsystem component to determine the limiting user weight capacity of the system.

#### 1.4 Safety and Precautionary Measures

##### **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 MSA Rail Slider Anchorage Connector Strap is attached must be rated in the direction of intended use. See [2.2 Markings and Labels](#) and [3 Use](#) for details on anchorage strength and loading details.
- When installing or removing the MSA Rail Slider 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.

- 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 MSA Rail Slider 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 MSA Rail Slider 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 MSA Rail Slider Anchorage Connector Strap installed in environments which could cause damage or deterioration to the product. Refer to [4 Care, Maintenance and Storage](#) and [5 Inspection](#) for care and inspection details. Do not leave unattended loads on the MSA Rail Slider Anchorage Connector Strap.
- 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.
- 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 MSA Rail Slider Anchorage Connector Strap. More frequent inspections are required in these environments.
- DO NOT use MSA Rail Slider 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 MSA Rail Slider 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.
- MSA Rail Slider 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.

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

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## 2 Description

### 1.5 Usage Limitations

#### 1.5.1 Environment

##### **⚠ WARNING!**

- Chemical hazards, heat and corrosion may damage the PointGuard Anchorage Connector Strap. More frequent inspections are required in these environments.
- Do not use in environments with temperatures greater than 130°F (34°C).
- Use caution when working around electrical hazards, moving machinery, abrasive surfaces, and sharp edges.

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

### 1.6 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

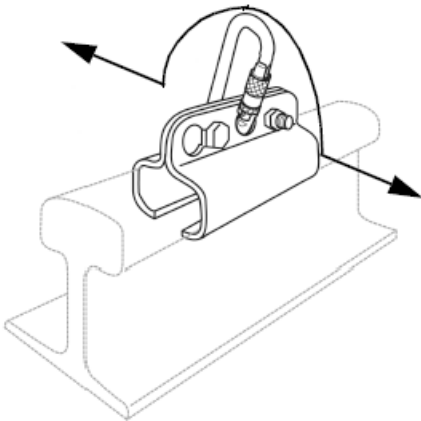
For Confined Space applications:

- 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.

## 2 Description

The MSA Rail Slider Anchorage Connector device can be installed anywhere along an approved anchorage (rail). The slider will move along the rail, pulled by the worker's lanyard/harness. No unhooking and re-hooking of the lanyard is required when changing work locations. The Rail Slider device consists of a pair of rail profile plates, which interlock via a set of receiving bolts. A lanyard is attached to an approved carabiner securing the profile plates to the crown of the rail.



*Figure 1 Range of allowable loading direction*

## 2.1 System Requirements

### 2.1.1 Compatibility of Components and Subsystems

MSA Rail Slider Anchorage Connector are designed to be used with MSA approved components and connecting subsystems. Use of the MSA Rail Slider Anchorage Connector 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 MSA Rail Slider Anchorage Connector, 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 MSA Rail Slider Anchorage Connector.

### 2.1.2 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 MSA Rail Slider Anchorage Connector.

### 2.1.3 Anchorages

Anchorage 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.

## 2.2 Markings and Labels

Labels must be present, legible and securely attached to the MSA Rail Slider Anchorage Connector. The labels are located on the sides of the profile plates.

**MSA**  
**RAIL SLIDER™**  
**Anchorage Connector**  
**Conector de anclaje**  
**Connecteur d'anclage**

Modelo 10111223  
 Modelo Modèle  
 Capacity One Person  
 Capacidad Una persona  
 Capacité Une personne  
 400 lbs (182 kg)  
 Size 60 lbs/yd  
 Tamaño 29,8 kg/m  
 Taille  
 Material Steel/Zinc Plated  
 Material acero/galvanizado  
 Matière Acier galvanisé  
 Meets OSHA  
 Cumple con Conformité

**▲ WARNING**  
 DO NOT install where the Rail Slider could contact equipment on the same rail. Inspect device prior to each use. Remove from service immediately if the device has arrested a fall. Read and understand all instructions. Misuse can result in serious injury or death.

**▲ ADVERTENCIA**  
 NO lo instale en un lugar donde el conector de anclaje para deslizamiento por riel Rail Slider pueda entrar en contacto con equipos en el mismo riel. Inspeccione el dispositivo antes de cada uso. Quite el dispositivo de servicio de manera inmediata si el dispositivo ha detenido una caída. Lea y siga todas las instrucciones. El uso indebido puede provocar lesiones graves o la muerte.

**▲ AVERTISSEMENT**  
 NE PAS installer à un endroit où le Rail Slider pourrait entrer en contact avec de l'équipement sur le même rail. Inspecter le dispositif avant chaque utilisation. Retirer immédiatement du service si le dispositif a été soumis aux forces d'arrêt d'une chute. Lire et comprendre toutes les instructions. Une mauvaise utilisation peut causer des blessures graves ou mortelles.

Date of Mfg. / Fecha de fabricación / Date de fabrication  

J	F	M	A	M	J	J	A	S	O	N	D
YEAR	0	1	2	3	4	0	1	2	3	4	
20	5	6	7	8	9	5	6	7	8	9	

 Patent # 5,526,896  
 MSA CRANBERRY TWP, PA, USA 16066  
 Made in U.S.A. / Hecho en U.S.A. / Fabriqué aux U.S.A.

812 Rev. 2 10114038

**▲ WARNING**

1. Check width of rail head. Dimension "A" shall refer to 60.3 mm (2.375 in). **DO NOT USE RAIL SLIDER.**
2. Check width of Rail Slider opening (Dimension "B") at each end by applying nominal spreading force. "B" must be less than or equal to 0.770 in. (19.6 mm).
3. The Rail Slider tip must not be adjacent to the side of the rail head when the slider is fitted as shown.
4. **DO NOT USE** this device on "head-free" connectors.
5. Connect only with compatible MSA fall arrest components. The Rail Slider is **NOT** to be used with the Bridge Rescue Kit.

**▲ ADVERTENCIA**

1. Compruebe el ancho del cabezal del riel. (Dimension "A"). Si "A" tiene menos de 60,3 mm (2,375 pulg.), **NO USE EL CONECTOR DE ANCLAJE PARA DESLIZAMIENTO POR RIEL RAIL SLIDER.**
2. Compruebe el ancho de la abertura del conector Rail Slider. (Dimension "B"), en cada extremo aplicando fuerza de separación nominal. "B" debe ser menor o igual que 19,6 mm (0,770 pulg.).
3. La punta del conector Rail Slider no debe estar adyacente al lado del cabezal del riel cuando el conector está levantado como se muestra.
4. **NO USE** este dispositivo en un "sin cabezal" conector.
5. Conecte solamente con componentes compatibles de detención de caídas de MSA. Este conector de anclaje para deslizamiento por riel Rail Slider **NO** se debe usar con el Juego de rescate para puentes.

**▲ AVERTISSEMENT**

1. Vérifiez la largeur de la tête de rail. (Dimension "A"). Si elle est inférieure à 60,3 mm (2,375 pol.), **NE PAS UTILISER LE RAIL SLIDER.**
2. Vérifiez la largeur de l'ouverture du Rail Slider (Dimension "B") à chaque extrémité en appliquant une force d'écartement nominal. "B" doit être inférieure ou égale à 0,770 in. (19,6 mm).
3. L'extrémité du Rail Slider ne doit pas être adjacente à la partie latérale de la tête du rail lorsque le coulisseau est soulevé comme il est illustré.
4. **NE PAS UTILISER** ce dispositif sur un rail "sans tête".
5. Raccordez uniquement avec des composants antichute de MSA. Ce Rail Slider ne doit PAS être utilisé avec l'étrépage de traversée de secours.

**RAIL END VIEW**  
 Vista del extremo del riel  
 Vue de l'extrémité du rail

119 Rev 1 10114037

2.3 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.

3 Use

**▲ WARNING!**

The equipment shall only be used by a person trained and competent in its safe use.

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

### 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.

#### 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

#### WARNING!

- Inspect the MSA Rail Slider Anchorage Connector to verify it is in serviceable condition.
- Examine entire device for signs of cracking or deformation. See [5 Inspection](#) for inspection details.
- Do not use a MSA Rail Slider Anchorage Connector if inspection of it reveals an unsafe condition.

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

### 3.3 Making Connections

#### WARNING!

- To reduce the possibility of rollout use only self closing, self locking carabiners.
- Do not use carabiners that will not completely close over the attachment object.
- Do not make knots in a lanyard.
- Do not hook a lanyard back onto itself.
- Carabiner may only be connected through the closed eye of the Rail Slider ([Figure 6](#)).
- Do not attach two snaphooks into one carabiner.
- Always follow the manufacturer's instructions supplied with each system component.

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

### 3.4 Inspecting the MSA Rail Slider Anchorage Connector

#### WARNING!

Make certain rail head is not worn beyond proper fit limits, as stated, along the entire length of the rail on which the Rail Slider is to be used. Rail worn beyond fit limits will result in inadequate fall arrest protection as designed.

- Do not use on "head-free" rail.
- Do not install where rail slider could contact equipment on the same rail.

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

**NOTE:** The MSA Rail Slider Anchorage Connector may be attached to rails specified in [Table 1](#).

1. Ensure that the Rail Slider part number matches the rail size in [Table 1](#).

#### WARNING!

Do not use if the Rail Slider part number does not match the rail size.

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

2. Inspect the rail slider by placing the Rail Slider profile plate on the crown of the rail section.

3. Check the width of the rail head along the entire length of the rail on which the Rail slider is to be used.

**NOTE:** The width at the bottom of the rail head (Dimension “A”) must be greater than or equal to the value shown in Table 1 .

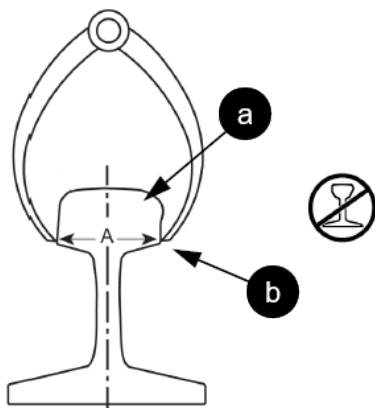
**⚠ WARNING!**

If “A” is less than specified, **DO NOT USE Rail Slider.**

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

Table 1 Compatible Rails

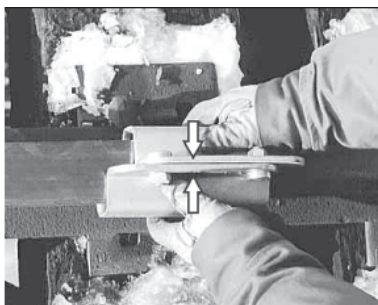
Part Number	Description	Rail Size	Dimension A
SFPRS6000	136 lb (62 kg) slider	85-136 lbs/yds	2.5” (63.5 mm) MIN
SFPRS6000RR	136 lb (62 kg) slider	85-136 lbs/yds	2.5” (63.5 mm) MIN
SFPRS7000	175 lb (88 kg) slider	175 lbs/yds	4.0” (101.6 mm) MIN
SFPRS8000	171 lb (86 kg) slider	171 lbs/yds	4.05” (102.86 mm) MIN
10030608	141 lb (64 kg) slider	90-141 lbs/yds	2.56” (65.0 mm) MIN
10105297	40 lb (18 kg) slider	30-40 lbs/yds	1.68” (42.67 mm) MIN
10111223	60 lb (30 kg) slider	60 lbs/yds	2.138” (54.31 mm) MIN
10116712	135 lb (67 kg) slider	135 lbs/yds	3.438” (87.32 mm) MIN
10119225	20 lb (9 kg) slider	20 lbs/yds	1.21” (30.73 mm) MIN



a - Worn Head of Rail

b - Measure Width of Rail Head at this Point

Figure 2 Check width of the rail head



4. Align the second Rail Slider profile plate with the first plate.

5. Permit passage of the receiving bolts, the top flat section of the profile plates shall be flush with each other.

Figure 3 Profile plates flush with each other



Figure 4 Profile plates locked

6. Once the profile plates are flush with each other, slide each plate in opposite directions parallel to the rail.

**NOTE:** The plates are now locked on the crown of the rail.

### **⚠ WARNING!**

Check for proper fit along the entire length of the rail the device is to be used on.

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



Figure 5 Profile plates are locked and secured

7. Attach an approved carabiner (Autolock) into the attachment hole.

**NOTE:** Once the carabiner is locked in place, the profile plates are locked and secure.

**NOTE:** The recommended carabiner for use with the Rail Slider is SRCC643; acceptable substitutes are, 10046182, 10089207, and 10089209.



Figure 6 Carabiner connected through the closed eye of the Rail Slider

8. Attach an approved lanyard/harness to the carabiner. Ensure that the hardware is compatible.

**NOTE:** The ONLY USE APPROVED HARDWARE. Approved lanyards must end in one of the following connections; VSLEW-012-PJ-A-TB, VSLEW-011-PJ-A-TB, VSLEW-031-PJ-A-TB, VSLEW-012-PC-A, or VSLEW-012-PC-C.

9. The MSA Rail Slider is now functional.

10. To remove the Rail Slider from the rail, follow the Connecting Instructions in reverse.

### 3.5 Moving around the Work Area

#### **WARNING!**

- DO NOT exceed the allowable free fall distance as specified by governing standards or subsystem components.
- DO NOT exceed the maximum fall arrest forces as specified by governing standards or subsystem components.

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

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The MSA Rail Slider Anchorage Connector is designed to move along the rail anchorage, following the user movements. Move around carefully to prevent loss of balance in the event the MSA Rail Slider Anchorage Connector binds or contacts an obstacle in the path of movement.

## 4 Care, Maintenance and Storage

### 4.1 Cleaning

Use a clean damp (not wet) cloth to remove dirt or contamination which may cause corrosion or hamper readability of labels. Wipe off any moisture before returning the device to service. The frequency of cleaning should be determined by inspection and by severity of the environment. In highly corrosive environments cleaning should be done every two or three days. Never use solvents to clean the device as they may damage the labels. Don't use abrasives to scour the device as they may damage the surface and the labels. To remove oil or grease, use a mild dishwasher detergent on a damp cloth or sponge and follow by repeated swabbing with a clean cloth to remove all soap residue. Never immerse the product in water or other liquid.

### 4.2 Storage

Store the device in a clean, dry place indoors.

Store the product away from heat and steam and never allow it to rest for lengthy periods of time on concrete or ash floors as the lime sulfur and ash can cause corrosion.

### 4.3 Maintenance and Service

User maintenance consists of cleaning and drying the device. All other maintenance or repair/work must be done at the factory or by an authorized person. (Authorization by MSA must be written.)

## 5 Inspection

### 5.1 Inspection Frequency

#### **WARNING!**

The MSA Rail Slider Anchorage Connector 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.

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

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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.

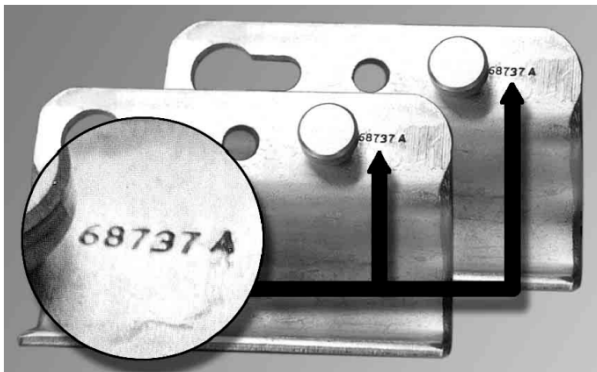
## 5.2 Inspection Steps

### **⚠ WARNING!**

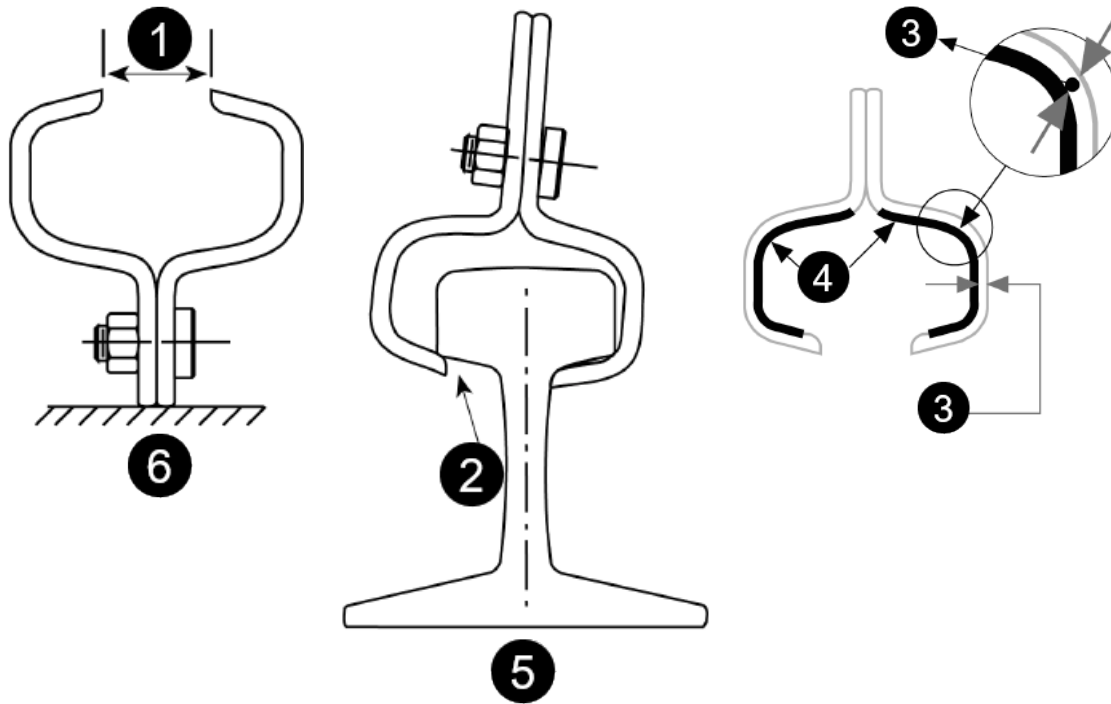
Perform the following steps in sequence. If in doubt about any inspection point, consult MSA or a competent person who is qualified to perform Formal Inspection as set forth in [5.4 Inspection Log](#).

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

1. Inspect the MSA Rail Slider Anchorage Connector labels to verify that they are present and legible.
  - a. See [2.2 Markings and Labels](#) for the specific labels that should be present and the information contained thereon.
  - b. Check the Formal Inspection Log to be sure a Formal Inspection has been performed within the last six months. If the Log does not indicate that a Formal Inspection has been performed within the last six months, or if any labels are missing or illegible, remove the device from use and mark it as “UNUSABLE” until a Formal Inspection is performed by a competent person.
2. Remove Rail Slider from service immediately if:
  - a. The product has been subjected to the forces of a fall.
  - b. There is evidence of improper function or alterations of any portion.
  - c. If inspection reveals evidence of structural damage, cracks, deformations, or excessive corrosion.
3. Inspect each component and subsystem of the complete system in accordance with the associated manufacturer’s instructions.
4. Both halves of the Rail Slider are marked with a distinct serial number. When inspecting, ensure both halves have the same serial number.



**NOTE:** Opening to be measured at each end with application of nominal spreading force of the hand.



1	DIM B
2	Rounded portion of Rail Slider must be below edge of rail head.
3	Minimum material thickness: 3/16" (5mm)
4	Excessive wear
5	Ensure hat bottom tip of Rail Slider will be below the side of the rail head. The tip must not be adjacent to the side of the head of the rail when the slider is lifted as shown.
6	Check width opening of Rail Slider. The distance between the tips (Dimension B) must be within the range provided in <a href="#">Table 2</a> .

Table 2 Range Between Tips

Part Number	Dimension B	
	MIN	MAX
SFPRS6000	1.32" (33.5 mm)	1.5" (38.1 mm)
SFPRS6000RR	1.32" (33.5 mm)	1.5" (38.1 mm)
SFPRS7000	2.69" (68.32 mm)	3.2" (81.28 mm)
SFPRS8000	2.69" (68.32 mm)	2.82" (71.62 mm)
10030608	1.32" (33.5 mm)	1.563" (39.7 mm)
10105297	0.56" (14.2 mm)	0.68" (17.27 mm)
10111223	0.65" (16.5 mm)	0.77" (19.55 mm)
10116712	1.63" (41.4 mm)	1.74" (44.19 mm)
10119225	0.34" (8.63 mm)	0.46" (11.68 mm)

### 5.3 Corrective Action

When inspection in accordance with [5 Inspection](#) reveals any of the identified conditions, the MSA Rail Slider Anchorage Connector 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 MSA Rail Slider Anchorage Connector from use and mark it as "UNUSABLE" until destroyed. For final disposition, submit the MSA Rail Slider Anchorage Connector to a competent person who is authorized to perform Formal Inspection. If there is any question as to repairability, contact MSA or a service center authorized in writing by MSA before further use of the product.

#### **⚠ WARNING!**

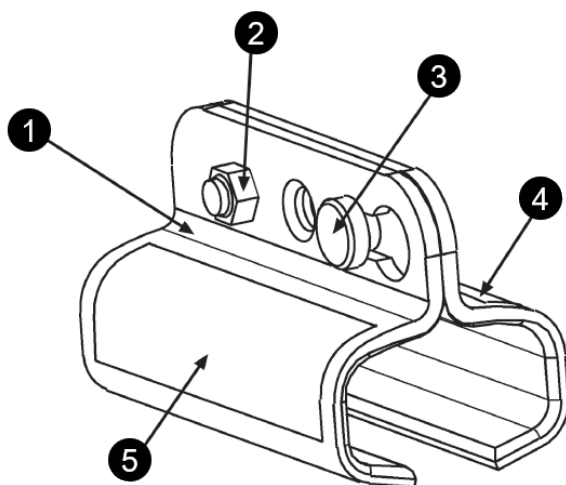
Unauthorized alterations, relocations, or additions to the MSA Rail Slider Anchorage Connector are not permitted. Only MSA or persons or entities with written authorization from the manufacturer may make repairs to the MSA Rail Slider Anchorage Connector. No unauthorized repairs, modifications, alterations, 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			

### 5.5 Inspection Diagram



1	Side Plate (2)	4	ID Label (1)
2	Nut (2)	5	Warning Label (1)
3	Pin (2)		

### 5.6 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

## 5 Inspection

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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).