



Bulk Feed Tank Anchor Point and Self-Retracting Lanyard

Installation Manual

PNEG-1620

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All information, illustrations, photos and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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Safety Guidelines

Safety guidelines are general-to-specific safety rules that must be followed at all times. This manual is written to help you understand safe operating procedures and problems that can be encountered by the operator and other personnel when using this equipment. Read and save these instructions.

As owner or operator, you are responsible for understanding the requirements, hazards, and precautions that exist and to inform others as required. Unqualified persons must stay out of the work area at all times.

Alterations must not be made to the equipment. Alterations can produce dangerous situations resulting in **SERIOUS INJURY or DEATH**.

This equipment must be installed in accordance with the current installation codes and applicable regulations, which must be carefully followed in all cases. Authorities having jurisdiction must be consulted before installations are made.

When necessary, you must consider the installation location relative to electrical, fuel and water utilities.

Personnel operating or working around equipment must read this manual. This manual must be delivered with equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.

ST-0001-4

Cautionary Symbols Definitions

Cautionary symbols appear in this manual and on product decals. The symbols alert the user of potential safety hazards, prohibited activities and mandatory actions. To help you recognize this information, we use the symbols that are defined below.



This symbol indicates an imminently hazardous situation which, if not avoided, **will result in serious injury or death.**



This symbol indicates a potentially hazardous situation which, if not avoided, **can result in serious injury or death.**



This symbol indicates a potentially hazardous situation which, if not avoided, **can result in minor or moderate injury.**



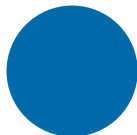
This symbol is used to address practices not related to personal injury.



This symbol indicates a general hazard.



This symbol indicates a prohibited activity.



This symbol indicates a mandatory action.

ST-0005-2

1. Safety

Safety Cautions

Use Personal Protective Equipment

- Use appropriate personal protective equipment:

Eye Protection



Respiratory Protection



Foot Protection



Hearing Protection



Head Protection



Fall Protection



Hand Protection



- Wear clothing appropriate to the job.
- Remove all jewelry.
- Tie long hair up and back.

ST-0004-1

Follow Safety Instructions

- Carefully read all safety messages in this manual and safety signs on your machine. Keep signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from the manufacturer.
- Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.
- If you do not understand any part of this manual or need assistance, contact your dealer.



ST-0002-1

Maintain Equipment and Work Area

- Understand service procedures before doing work. Keep area clean and dry.
- Never service equipment while it is operating. Keep hands, feet, and clothing away from moving parts.
- Keep your equipment in proper working condition. Replace worn or broken parts immediately.



ST-0003-1

Fall Hazard

- Ladders, stairways and platforms are for use by competent and trained personnel only. Do not allow children or other unauthorized persons to have access to the equipment.
- Access to the equipment must be restricted by the use of security fencing and lockable gates.
- Lower sections of ladders must be fitted with a lockable safety gate to prevent unauthorized access.
- Make sure that hot surfaces have had adequate time to cool before working on or in the equipment.
- Lock out and tag out power supplies and fuel supplies to all equipment.
- Do not attach lifting equipment to ladders or platforms.
- Do not go outside of the safety rails provided on elevated platforms.
- Do not work at heights during high winds, rain, snow, or ice storms.



ST-0056-1

Install and Use Anchor Point Properly

- Do not use anchor point for hoisting or lifting bulk feed tank.
- Do not stand upright on bulk feed tank roof. Always kneel or crawl when on bulk feed tank roof.
- Do not use anchor point to hang from side of bulk feed tank.
- Always use approved, self-retracting lanyard connected to back D-ring of approved harness. Do not connect self-retracting lanyard to front D-ring of harness. Contact manufacturer for details regarding approved equipment.
- Always use a tag line to retrieve and retract lanyard. Lanyard must be fully retracted inside sealed body of lanyard housing when not in use.



ST-0090-1

BFT Anchor Point Installation

The BFT anchor point is intended to provide an anchorage for a Self-Retracting Lanyard (SRL) when climbing a BFT ladder. The anchor point has been designed for use with GSI Group's 6', 7', 9', 12' and 15' diameter sealed-roof bulk feed tanks. The bulk feed tank must be structurally sound before installation can take place. Only one individual may be attached to the anchor point at any given time.

Required Materials:

- Three 5/16" flange nuts
- Three 5/16" x 1-1/4" bolts
- One BFT anchor point (LDR-5971-SY)

Recommended Tools:

- 1/2" Wrench
- 1/2" Socket and ratchet

1. The BFT anchor point should be installed (1) at the top of the tank where the peak ring collar meets the roof sheet. (See Figure 2A.) Utilize the existing bolt holes along the perimeter of the peak ring collar.

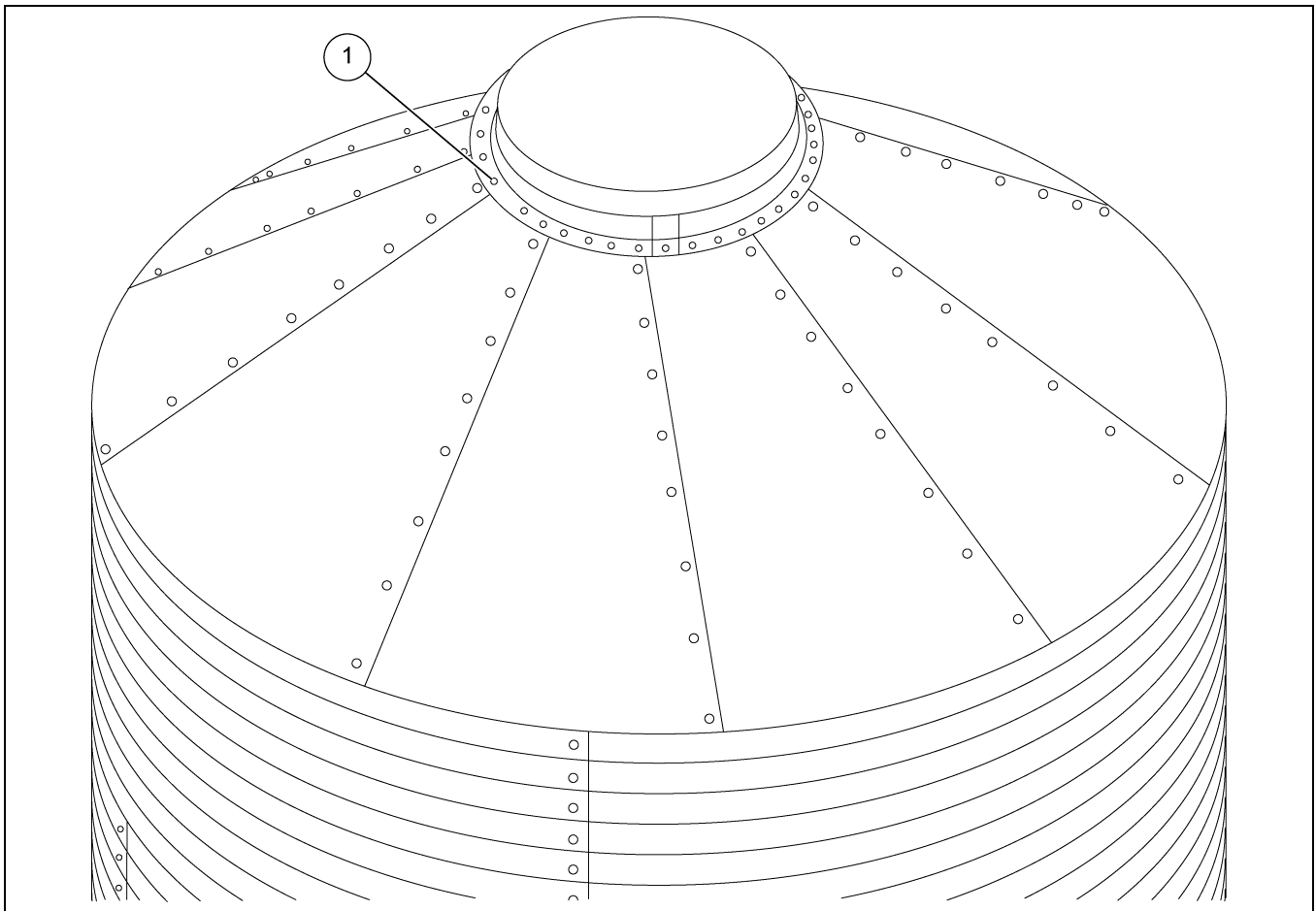


Figure 2A Anchor Point Installation Location

Ref #	Description
1	Anchor point installation locations. Center anchor point on the roof seam and attach to the collar.

2. Installation Instructions

2. For maximum strength, place the anchor point over a roof panel seam. (See [Figure 2B.](#))

NOTE: The anchor point installation location (2) should be directly above the roof ladder to provide fall protection while climbing the ladder.

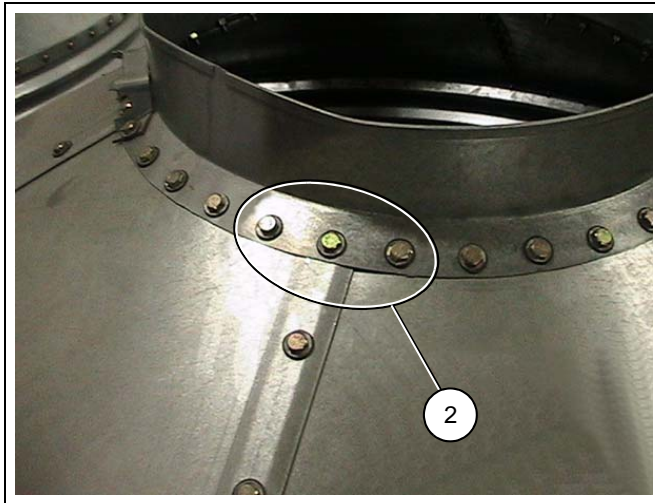


Figure 2B Anchor Point Location Centered over Roof Panel Seam

Ref #	Description
2	Anchor Point Installation Location

3. Once the location along the peak ring collar (3) has been identified, remove a grouping of three existing bolts from the perimeter of the collar (3). Insert three 5/16" x 1-1/4" bolts (6) from the underside of the roof panel (4) through the peak ring collar (3) and through the three bolt holes on the bin anchor point (5). Secure the bolts (6) with three flange nuts (7). For placement details, refer to [Figure 2C](#) and [Figure 2D](#) on [Page 11](#).

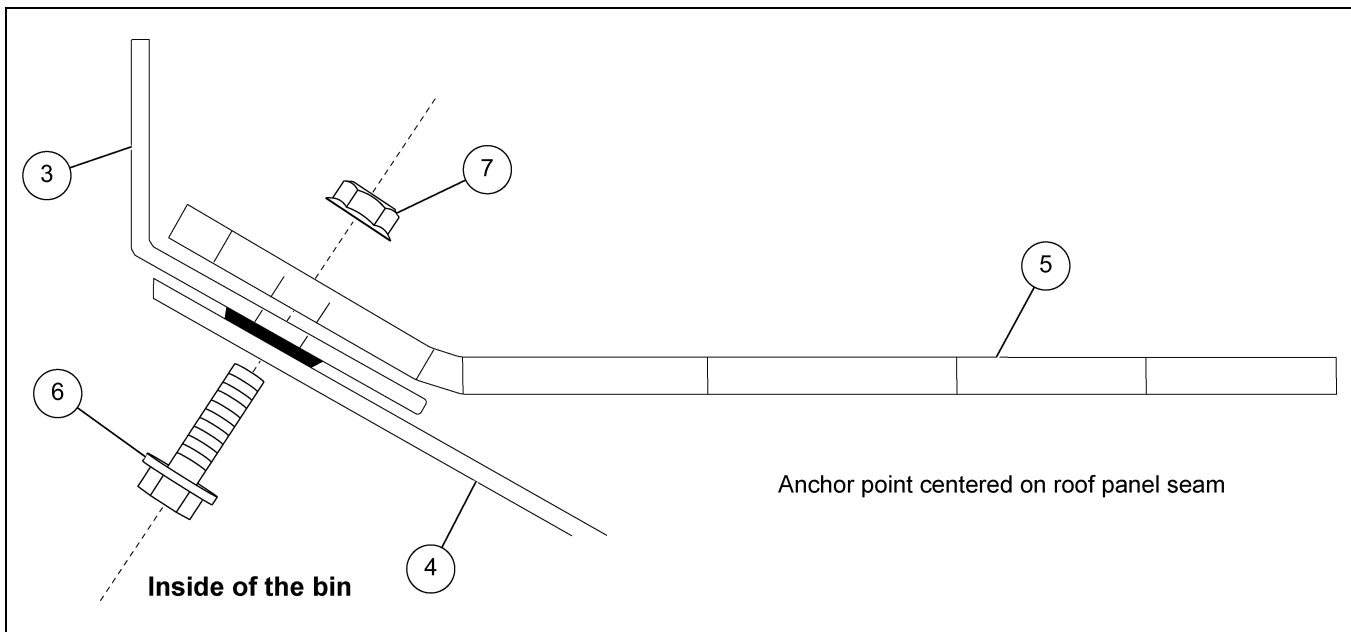


Figure 2C Fastening the Anchor Point to the Roof

Ref #	Description
3	Peak Ring Collar
4	Roof Panel
5	Anchor Point (LDR-5971-SY)

Ref #	Description
6	5/16" x 1-1/4" Bolt
7	5/16" Flange Nut



Figure 2D Anchor Point Fastened to Roof

- Place the safety decals on the roof panel to the right or left of the anchor point and at the bottom of the BFT to the right or left of the ladder. (See Figure 2E.)

DANGER

- Do not use anchor point for hoisting or lifting bulk feed tank.
- Do not stand upright on bulk feed tank roof. Always kneel or crawl when on bulk feed tank roof.
- Do not use anchor point to hang from side of bulk feed tank.
- Always use approved, self-retracting lanyard connected to back D-ring of approved harness. Do not connect self-retracting lanyard to front D-ring of harness. Contact manufacturer for details regarding approved equipment.
- Always use a tag line to retrieve and retract lanyard. Lanyard must be fully retracted inside sealed body of lanyard housing when not in use.

GSI Group, Inc. 217-226-4421
DC-2524

Figure 2E Danger Decal (DC-2524)

BFT Anchor Point Usage Instructions



Any work requiring the use of personal protective equipment is dangerous. These activities are inherently dangerous and present the risk of serious injury and/or death. Any person using the BFT anchor point is personally responsible for obtaining qualified instruction on the proper use, techniques and limitations involved in such use. The user is responsible for following NFPA, OSHA, ANSI and all other applicable state and federal regulations regarding use of this product. Any person using this product is responsible for the proper care and maintenance of the product. Any person using this product in any manner assumes all risks and accepts full responsibility for any and all damages and injury of any kind, including death, which may result from the use of the BFT anchor point. Improper use, abuse, and/or lack of proper care and maintenance will increase the risk of serious injury or death.



The BFT anchor point has been designed to be used with a DBI/SALA Self-Retracting Lanyard (SRL) only.

The BFT anchor point has been designed to be used as part of a fall protection system consisting of the anchor point, a body harness and DBI/SALA Self-Retracting Lanyard (SRL). An effective fall protection system relies on proper operation of the anchor point, body harness and connecting devices. All fall restraint equipment such as body harnesses, lanyards and connecting hardware must meet applicable OSHA requirements.

All fall protection equipment including anchor point, body harness and SRL must be inspected by a qualified individual on a regular basis. If the anchor point, body harness or SRL is subjected to a fall arrest situation, discontinue use of the equipment until such time that an inspection of the anchor point, BFT roof, SRL and harness can take place by a qualified person. Damaged equipment must be removed from service immediately.

NOTE: *Read and become familiar with the user manual provided by the SRL manufacturer before using the system.*

1. Once the BFT anchor point is properly installed at the peak ring above the roof ladder, connect the pivoting anchorage loop (8) on the SRL to the anchor point using the self-locking carabiner (9) provided with the SRL.
2. Tie the tag line (rope) provided in the kit to the steel cable loop (10) located just above the SRL swivel hook (11). *See Figure 2F on Page 13* for SRL component callouts.

NOTE: *Do not tie the tag line to the swivel hook (11) itself.*

3. Allow the tag line to drape down the BFT roof and sidewall so that it is accessible from ground level.
4. While standing at ground level next to the BFT ladder, use the tag line to extend the steel lanyard down to you. Use slow and steady motions to extend the steel lanyard to prevent it from locking.
5. Connect the swivel hook (11) to the back ring of your harness.

NOTE: *The DBI/SALA Self-Retracting Lanyard (SRL) is designed to connect to the back ring on a harness. Connection to the front ring is not permitted by DBI/SALA.*

6. Once connected, climb the sidewall ladder and roof ladder as normal. The steel lanyard will automatically retract as you climb.

2. Installation Instructions

- When your work is complete, climb down the sidewall ladder and roof ladder as normal, avoiding sudden motions that might cause the SRL to lock. Should you fall at any time during your climb or decent, the SRL will immediately lock and limit your fall.
- When at ground level, disconnect the swivel hook (11) from the harness back ring and use the tag line to slowly allow the steel lanyard to fully retract inside the sealed SRL housing.

NOTE: To prevent damage from weather, ensure the lanyard is fully retracted into the sealed SRL housing.

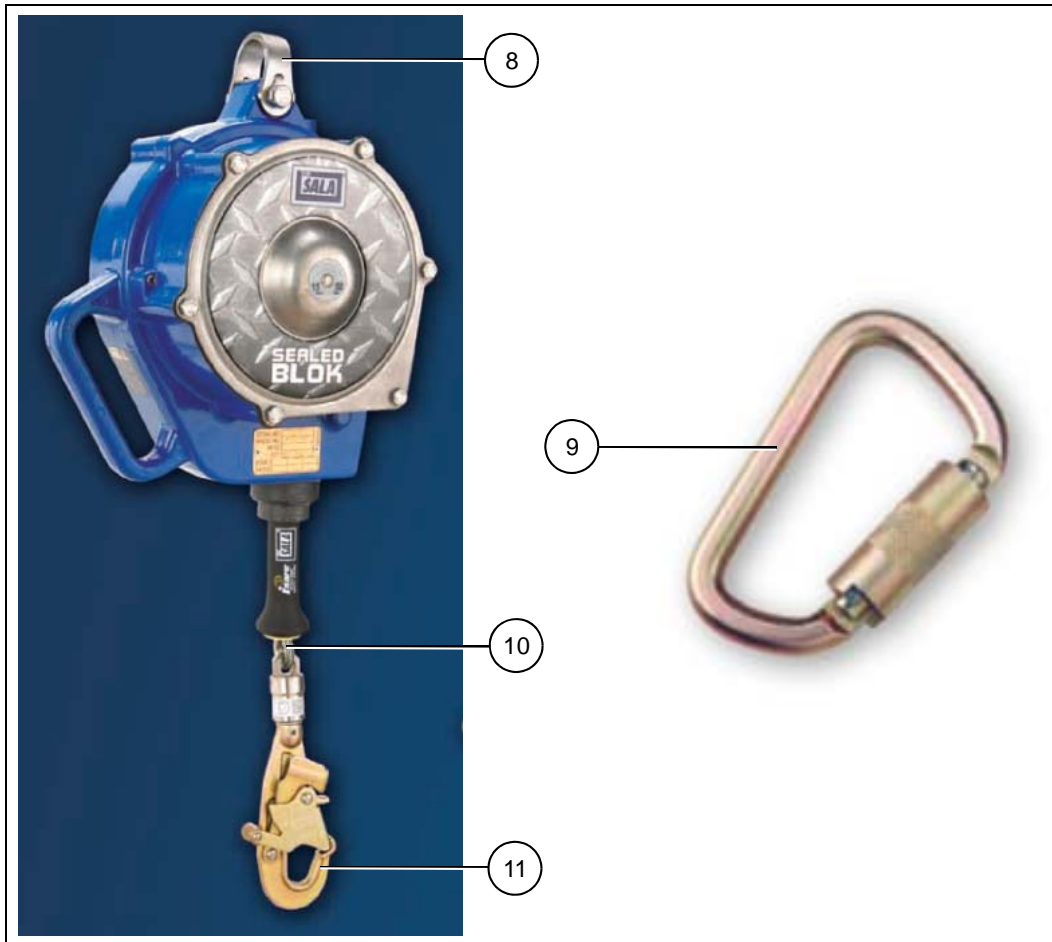


Figure 2F Self-Retractable Lanyard (SRL) Components

Ref #	Description
8	Pivoting Anchorage Loop
9	Self-Locking Carabiner
10	Steel Cable Loop
11	Swivel Hook



Do not leave the lanyard in its retracted state when not in use. This can damage the SRL and place the user in jeopardy.

Only one person may utilize the anchor point at a time. The anchor point is designed to support the weight of a 300 lbs. individual. Do not exceed this weight requirement.

NOTES

Limited Warranty - N.A. Grain Products

The GSI Group, LLC. ("GSI") warrants products which it manufactures, to be free of defects in materials and workmanship under normal usage and conditions for a period of 12 months from the date of shipment (or, if shipped by vessel, 14 months from the date of arrival at the port of discharge). If, in GSI's sole judgment, a product is found to have a defect in materials and/or workmanship, GSI will, at its own option and expense, repair or replace the product or refund the purchase price. This Limited Warranty is subject to extension and other terms as set forth below.

Warranty Enhancements:

The warranty period for the following products is enhanced as shown below and is in lieu of (and not in addition to) the above stated warranty period. (Warranty Period is from date of shipment.)

	Product	Warranty Period
Storage	Grain Bin Structural Design <ul style="list-style-type: none"> • Roof, doors, platforms and walk arounds • Flooring (when installed using GSI specified floor support system for that floor) • Hopper tanks 	5 Years
	Dryer Structural Design - (Tower, Portable and TopDry) <ul style="list-style-type: none"> • Includes (frame, portable dryer screens, ladders, access doors and platforms) 	5 Years
	All other Dryer parts including: <ul style="list-style-type: none"> • Electrical (controls, sensors, switches and internal wiring) 	2 Years
	Bullseye Controllers	2 Years
Material Handling	Bucket Elevators Structural Design	5 Years
	Towers Structural Design	5 Years
	Catwalks Structural Design	5 Years
	Accessories (stairs, ladders and platforms) Structural Design	5 Years

Conditions and Limitations:

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION SET FORTH HEREIN; SPECIFICALLY, GSI DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH: (I) ANY PRODUCT MANUFACTURED OR SOLD BY GSI, OR (II) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF GSI REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCTS.

The sole and exclusive remedy for any claimant is set forth in this Limited Warranty and shall not exceed the amount paid for the product purchased. This Warranty only covers the value of the warranted parts and equipment, and does not cover labor charges for removing or installing defective parts, shipping charges with respect to such parts, any applicable sales or other taxes, or any other charges or expenses not specified in this Warranty. GSI shall not be liable for any other direct, indirect, incidental or consequential damages, including, without limitation, loss of anticipated profits or benefits. Expenses incurred by or on behalf of a claimant without prior written authorization from the GSI warranty department shall not be reimbursed. This warranty is not transferable and applies only to the original end-user. GSI shall have no obligation or responsibility for any representations or warranties made by or on behalf of any dealer, agent or distributor. Prior to installation, the end-user bears all responsibility to comply with federal, state and local codes which apply to the location and installation of the products.

This Limited Warranty extends solely to products sold by GSI and does not cover any parts, components or materials used in conjunction with the product, that are not sold by GSI. GSI assumes no responsibility for claims resulting from construction defects, unauthorized modifications, corrosion or other cosmetic issues caused by storage, application or environmental conditions. Modifications to products not specifically delineated in the manual accompanying the product at initial sale will void all warranties. This Limited Warranty shall not extend to products or parts which have been damaged by negligent use, misuse, alteration, accident or which have been improperly/inadequately maintained.

Notice Procedure:

In order to make a valid warranty claim a written notice of the claim must be submitted, using the RMA form, within 60 days of discovery of a warrantable nonconformance. The RMA form is found on the OneGSI portal.

Service Parts:

GSI warrants, subject to all other conditions described in this Warranty, Service Parts which it manufactures for a period of 12 months from the date of purchase unless specified in Enhancements above.

(Limited Warranty - N.A. Grain Products_ revised 19 October 2018)

This equipment shall be installed in accordance with the current installation codes and applicable regulations, which should be carefully followed in all cases. Authorities having jurisdiction should be consulted before installations are made.



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