



[Manuals.plus](#) /

› [Graham-Field](#) /

› Graham-Field 3933 38 Latex Tubing User Manual

## Graham-Field 3932-716

# Graham-Field Latex Tubing User Manual

Model: 3932-716 | Brand: Graham-Field

## PRODUCT OVERVIEW

This manual provides essential information for the proper use, setup, and maintenance of the Graham-Field 3933 38 Latex Tubing. This product is designed for various applications requiring flexible, seamless, and sterilizable tubing.



Image: Graham-Field 3933 38 Latex Tubing, amber colored, wound neatly on a white dispenser reel. The tubing is smooth and consistent in diameter.

## KEY FEATURES

- **Applications:** Suitable for medical, dental, exercise, therapy, general laboratory, and food/beverage uses.
- **Seamless Design:** Free of striations in the lumen, ensuring clear passage for liquids and gases.
- **Sterilizable:** Can be sterilized for hygienic applications.

- **Dispenser Reel:** Supplied on a convenient dispenser reel for easy handling and storage.
- **Length:** Provided in a 50-foot roll, which may consist of up to 3 random lengths.
- **Origin:** Manufactured in the USA.

## SPECIFICATIONS

Specification	Detail
Inner Diameter (ID)	3/16 inches
Outer Diameter (OD)	3/8 inches
Wall Thickness	3/32 inches (Nominal: 0.25 inch)
Length	50 feet (in up to 3 random lengths)
Material	Natural Rubber (Latex), Polyisoprene Rubber
Color	Amber
Performance Characteristics	Elasticity, Translucency and uniformity of color, Gripping power
Compliance	Meets requirements of A-A-52047 type 1, 3, 4, & 5 and A-A-53848
Model Number	3932-716
UPC	882985913755

## SETUP AND INSTALLATION

The Graham-Field Latex Tubing is provided on a dispenser reel for ease of use. Follow these general guidelines for setup:

1. **Unpacking:** Carefully remove the tubing reel from its packaging.
2. **Inspection:** Before use, visually inspect the tubing for any signs of damage, kinks, or irregularities. Do not use if damage is observed.
3. **Cutting:** If a specific length is required, use a sharp, clean cutting tool to ensure a straight, burr-free cut. This helps maintain the integrity of the tubing and prevents blockages or leaks.
4. **Connection:** When connecting to fittings or other components, ensure a snug and secure fit to prevent leaks or disconnections during operation.
5. **Routing:** Route the tubing in a manner that avoids sharp bends, excessive tension, or abrasion against surfaces. This prolongs the life of the tubing and ensures proper flow.

## OPERATING GUIDELINES

---

This latex tubing is designed for a variety of applications. Adhere to the following guidelines for optimal performance:

- **Application Suitability:** Ensure the tubing is suitable for the specific liquid or gas being transported and the environmental conditions (temperature, pressure).
- **Temperature Range:** Avoid exposing the tubing to extreme temperatures outside its intended operating range, as this can affect its elasticity and integrity.
- **Pressure Limits:** Do not exceed the pressure limits for which the tubing is designed. Over-pressurization can lead to rupture.
- **Chemical Compatibility:** Verify chemical compatibility if the tubing will be in contact with substances other than water or air. Latex can degrade when exposed to certain chemicals.
- **Flow Monitoring:** Regularly monitor the flow through the tubing to ensure there are no obstructions or kinks affecting performance.

## MAINTENANCE AND STERILIZATION

---

Proper maintenance and sterilization are crucial for extending the life of the tubing and ensuring hygienic use, especially in medical and food/beverage applications.

- **Cleaning:** Clean the tubing regularly with appropriate cleaning agents compatible with latex. Rinse thoroughly with distilled or deionized water.
- **Sterilization:** The tubing is sterilizable. Common methods include autoclaving (steam sterilization) or chemical sterilization. Follow established protocols for the chosen method. Ensure the tubing is completely dry before storage after sterilization.
- **Storage:** Store the tubing in a cool, dry place away from direct sunlight, ozone, and extreme temperatures. Prolonged exposure to light and heat can degrade latex. Keep it on the dispenser reel to prevent kinking.
- **Inspection:** Periodically inspect the tubing for signs of wear, cracking, discoloration, or loss of elasticity. Replace tubing that shows signs of degradation.

## TROUBLESHOOTING

---

This section addresses common issues that may arise during the use of the latex tubing.

- **Reduced Flow:**
  - *Check for Kinks:* Ensure the tubing is not kinked or bent sharply.
  - *Check for Obstructions:* Inspect the lumen for any blockages or debris.
  - *Verify Connections:* Ensure all connections are secure and not restricting flow.
- **Leaks at Connections:**
  - *Tighten Connections:* Ensure fittings are securely tightened.

- *Inspect Tubing Ends:* Check for cuts or damage at the tubing ends. Recut if necessary.
- *Verify Fitting Compatibility:* Ensure the fittings are the correct size and type for the tubing.
- **Tubing Degradation (Cracking, Discoloration):**
  - *Review Storage Conditions:* Ensure tubing is stored away from direct sunlight, heat, and ozone.
  - *Check Chemical Exposure:* Verify compatibility with any chemicals it has come into contact with.
  - *Replace Tubing:* If degradation is significant, replace the tubing to ensure safety and performance.

## WARRANTY AND SUPPORT

---

Specific warranty information for the Graham-Field 3933 38 Latex Tubing is not provided in this manual. For details regarding product warranty, technical support, or service inquiries, please contact Graham-Field directly through their official website or customer service channels.

*Note:* Always refer to the manufacturer's official documentation or website for the most current and detailed warranty and support information.

© 2024 Graham-Field. All rights reserved.

This manual is for informational purposes only and is subject to change without notice.