



# Product Manual:

Product # BBMHG 0137  
ButlerBilt Manhole Guard



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## **General Information**

### **SAFER.STRONGER.SUPERIOR.**

After being electrocuted in 2009 on the job Mr. Butler was pronounced dead. Rigorous resuscitation attempts and the determination of a dedicated first responder brought him back to life. By the grace of God Mr. Butler beat the odds and has now dedicated his life to create safer products for fellow men and women in the field. His main concern being to make sure every person leaving their family would return home safe, no matter what circumstances they face at the workplace.

Our ButlerBilt Manhole Guard is a safer, stronger, and superior manhole guard. Constructed with only top-quality materials, TIG welded D.O.M. tubing, high visibility powder coating, aircraft aluminum uprights, stainless steel and zinc hardware, and adjustable leveling feet. Our product is 100% made in the U.S.A. and meets and exceeds OSHA and ANSI standards. Not only does this innovation come from someone who was in the field it encompasses every safety feature needed to keep confined space workers safe.

This product enables a dual winch system that allows two winches to be attached simultaneously, eradicating the choice between “man” or “material.” The independent locking arm system ensures a squared guard every time without “kicking out,” minimizing complications while maximizing stability during use and rescues. Optional accessories that only improve an employee’s safety within the work environment. Easily locatable laser engraved serial numbers creating a seamless platform to accomplish all safety requirements, tracking and scheduling of worry-free inspection options, and registering for a three-year extended warranty.

Here at ButlerBilt we not only guarantee a safer, stronger, and superior option, we offer simplicity and supersede what is offered at any other company. When a life is on the line, you want nothing but the best!

## **Quality Policy**

Our goal is to relentlessly pursue quality improvements within the safety field, customer satisfaction, and business operations. We will provide competitive products and services of superior quality and safety to our customers that will meet or exceed requirements. All employees will be actively encouraged for growth by providing the tools and training necessary to succeed, while maintaining an open and positive work environment to encourage the exchange of ideas and innovations. Customer Satisfaction is fundamental to our growth, and we hold their confidence in highest regard, looking forward to creating quality and lasting relationships through trust and transparency. We are passionately involved and fully devoted to achieving the highest quality products and services and have set maximum standards to accomplish this goal. This ButlerBilt product has over a dozen embedded quality control measures, from manufacturing to our customer ensuring a quality product is delivered every time.

## **ButlerBilt Product Warranty**

ButlerBilt products are designed and engineered to perform as stated in published specifications. Superior materials and workmanship were used in the manufacturing of this product. With regular maintenance and proper care, ButlerBilt equipment provides maximum hours of stress-free use.

ButlerBilt warrants to the original buyer that the manhole guard will conform to specifications and will be free from any defects in material and workmanship from the day of purchase to the original buyer for a period of (3) three years considering warranty information has been submitted and proper maintenance has been maintained. In the event of failure of any components during the approved and submitted warranty period, service must be pre-approved by ButlerBilt and performed by a ButlerBilt authorized company. Unauthorized Repairs will not be covered by this warranty.

Damage, declination to annually inspect by a ButlerBilt certified employee, or failure due to misuse, mishandling, or unauthorized modifications will not be covered by this warranty. Unless otherwise agreed, ButlerBilt shall repair or replace the defective components within a timely manner. ButlerBilt's obligation hereunder, shall be limited to the repair or replacement of the product or components as set forth above and shall not include any liability whatsoever for the damages caused by such failure, including, but not limited to consequential or incidental damages from use or lack of use of product. ButlerBilt LLC will also not be held liable for any injury or death that may occur while using this product.

Any replacement, repair, modification, installation, or other service performed by ButlerBilt shall be warranted by the remainder of the unexpired period of the warranty, or for a period of (90) ninety calendar days, whichever period is longer.

Any manhole guards that are not inspected by a ButlerBilt certified inspector will be void of warranty.

All materials or parts returned under warranty shall be subject to ButlerBilt inspection before said parts will be replaced upon request and will be invoiced as purchased, subject to credit when the parts claimed to be defective have been received and examined by ButlerBilt.

This warranty is expressly in lieu of all other warranties expressed or implied, including any warranties of merchantability or warranties of fitness for any particular use and all other obligations or liabilities in connection with the sale of this equipment.

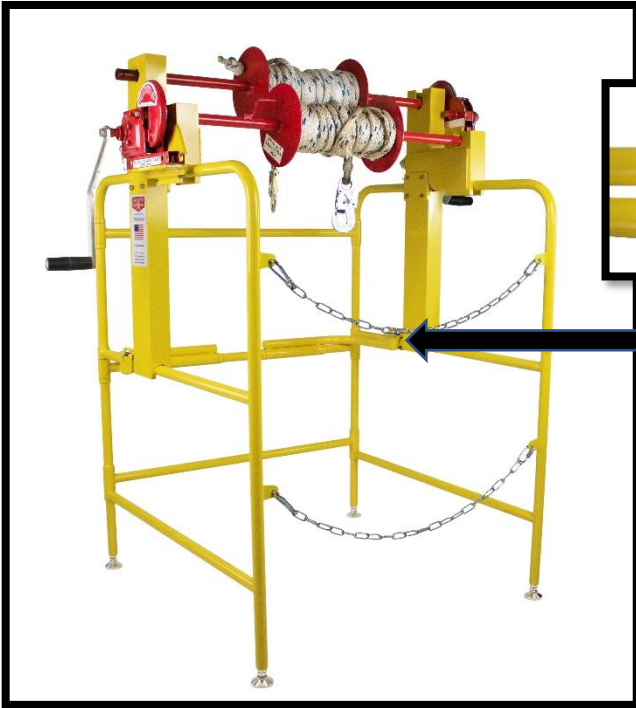
ButlerBilt LLC, P.O. Box 1041 Flat Rock, MI 48134 - 734-258-6259 – [safetyinnovations@butlerbilt.net](mailto:safetyinnovations@butlerbilt.net)

Please print and fill out the following page with appropriate information and a copy of your sales receipt to validate warranty.

## **Serial Number**

Always give your product serial number to your ButlerBilt Manhole Guard to customer service when ordering parts or requesting service or other information. The serial number is laser cut into the right independent locking arm (when facing the manhole guard). Use of the serial number will be required for any communication regarding your product.

Product Serial number is located on the right independent locking arm when facing the manhole guard.



### 3 Year Limited Warranty

Please send to: ButlerBilt LLC, Warranty Dept PO Box 1041, Flat Rock MI, 48134

Name/Business: \_\_\_\_\_ Date Received: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Distributor Name: \_\_\_\_\_ Quantity Purchased: \_\_\_\_\_

Serial No.(s): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*My signature above acknowledges that I have read, fully understand, and agree to this Limited Warranty Agreement along with all terms and conditions within this manual.

\*Must return Warranty Card within 30 days of original sale of product with copy of receipt.

## **Introduction & Product Information**

Congratulations on your purchase of a ButlerBilt Manhole Guard. To ensure your safe operation of a confined space, this guard has been designed and manufactured with your ultimate safety in mind while exceeding confined space requirements and regulations for the efficient and safe entry and emergency retrieval of personnel or material from a confined space.

Safer. Stronger. Superior operation and maintenance of this guard system requires anyone who will be operating, maintaining, working with, or inspecting the equipment, to fully read, understand, and follow all the operation, safety, maintenance, and inspection instructions incorporated within this manual. This manual covers the model BBMHG0137 ButlerBilt Manhole Guard. Use the Table of Contents as a reference to find specific information contained herein.

Please keep this manual available for frequent reference and to share with fellow operators. Establish a regular training program for experienced and new operators per this manual and a regular maintenance and inspection program to keep the equipment in prime condition. Both of which are offered by ButlerBilt LLC.

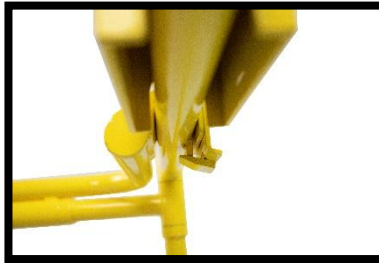
### **Warning**

**This product is part of a confined space entry/emergency retrieval system. The user must fully read, understand, and follow the instructions contained within this manual. Establishment of an appropriate training, maintenance, and inspection program for your employees and equipment is mandatory. Failure to follow these instructions could result in serious injury or death.**

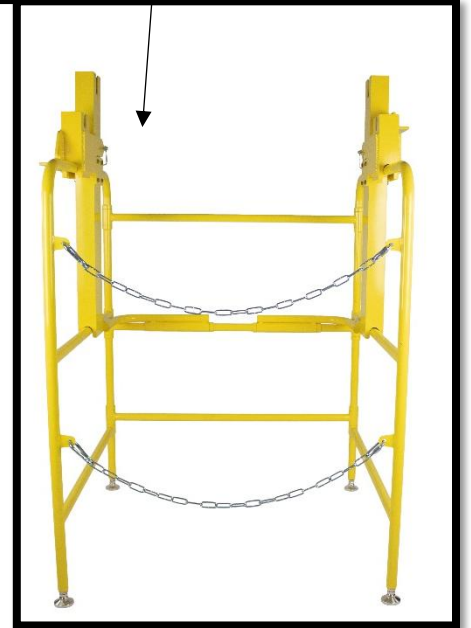
## **Configuration & Assembly**

Upon receiving your ButlerBilt Manhole Guard inspect all packaging for any evidence that your product may have been damaged during shipment. During unpacking of product, inspect all components for any damage. If any damage is discovered to your guard DO NOT USE PRODUCT! Alert ButlerBilt and the shipping company of damage.

To assemble please follow instructions on the next page.



- Open guard and engage the independent locking arm on both the right and left side.
- Ensure guard is square
- Level guard by adjusting feet and attach chains.



Slide secondary winch attachment onto top rail and secure with locking pin inserted through tab on back side of upright. (this step is only necessary if you need a dual winch system)



Install winches onto winch mount attachment brackets and secure in place with allotted locking pins.

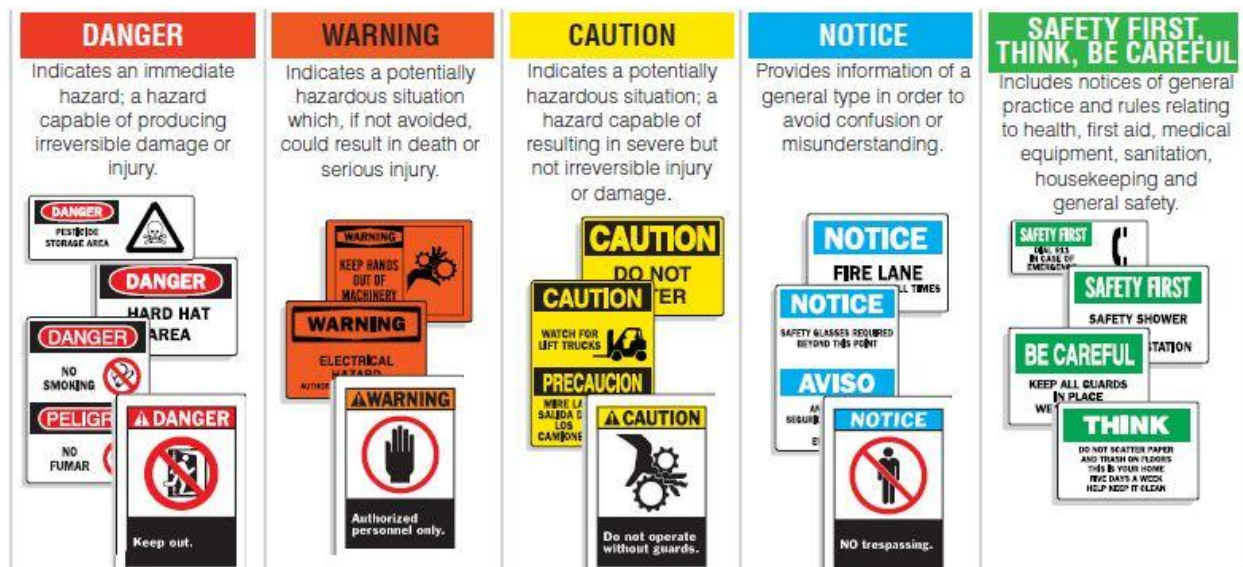


## Safety

The subsequent sections will address safety precautions, which must be observed and followed when working with a confined space using a ButlerBilt Manhole Guard. All users must educate themselves with the information in this section before using the equipment.

### Signal Words:

Be advised that the use of words such as **DANGER**, **WARNING**, **CAUTION**, **NOTICE**, and **SAFETY FIRST** warns of a safety issue. The appropriate signal word for each message has been chosen due to OSHA and ANSI guidelines.



You are solely responsible for the safe operation, maintenance, and inspection of your ButlerBilt Manhole Guard. You must establish that any person who will operate, maintain, inspect, or work around or with the equipment must familiarize themselves with operation procedures, maintenance procedures, and all related safety information stated in this manual. This manual will educate you of the step-by-step processes enabling you to properly and safely use the ButlerBilt Manhole Guard.

Recognize that you are a crucial component to safety. Proper safety practices will not only ensure your safety it will also safeguard the people around you. Generate a safety program that will utilize these practices. Be concrete in ensuring everyone operating this equipment is familiarized with the procedures and diligently follow safety precautions. Keep in mind, most accidents can be prevented. Do not risk injury or death by ignoring proper safety practices.

- System owners must give operating instructions and train operators or employees before allowing them to use the ButlerBilt Manhole Guard. This should be done at least annually.
- The most crucial safety device for this guard is an educated, trained, and safe operator. It is the operator's responsibility to read, educate themselves, and follow all safety and operating instructions within this manual. Remember most accidents can be prevented.



- Any person operating or assisting with the guard must be trained in its usage and understand its operation before utilizing. Any untrained person exposes themselves and others to potential serious injuries and/or death.
- Refrain from any modifications of this guard in any way. Unauthorized modification may impair the proper function and/or safety of your guard and could affect the life of said equipment.
- SAFETY FIRST ALWAYS!

## **General Safety Information**

1. Read, understand, and follow the Product Manual and all safety signs before using, maintaining, or inspecting your guard.
2. Refer to and follow appropriate standards and guidelines. Fulfill requirements of local regulations for necessary applications.
3. Create a training program for proper equipment use for all employees. Equipment should only be utilized by trained competent people. Any unqualified person should not operate this equipment.
4. Have proper first aid and any necessary equipment available in the event that they shall be needed. Store in an easily accessible and visible area.
5. All guards should be properly set up and secured before use.
6. Always wear all proper PPE required for the job being performed.
7. Assess and follow the Pre-Operation Checklist before using any components of or on the guard.
8. Create a consistent maintenance and inspection protocol for your equipment and sustain detailed records.
9. Evaluate safety related items and operating instructions with all personnel on a regular basis.

## **Operating Safety**

1. Review, understand, and follow the User Manual for your guard before use.
2. Train all intended users before allowing use of equipment. Inexperienced/Untrained individuals endanger the safety and lives of themselves, bystanders, and workers.
3. Visually inspect the equipment and accessory equipment before use. Remedy any problems before use.
4. Use only certified anchor and connector components in your system.
5. Utilize required PPE and equipment.
6. Always work with a crew. At a minimum one person to work within the confined space(entrant) and another to be present to assist the entrant (attendant).
7. Do not exceed the load limit at any time.
8. Create a regular training program for all persons working with or around equipment.
9. Institute an in depth and thorough inspection program for equipment and keep a detailed record.
10. Strategize your plan to execute work assignments beforehand and ensure you have all the proper equipment and procedures in place.
11. Abstain from using your equipment near/around physical or environmental hazards. This includes but is not limited to:

- Heat or high temperatures
- Electrical hazards
- Corrosion
- Erosion
- Toxic gasses
- Chemicals



The operator **MUST** confirm that the ground area being used for operation of equipment is efficient for withstanding the weight of the guard, any added accessories, and loads in order to preserve the compliance of the equipment.

The operator **MUST** confirm that the ground area being used for operation is reasonably level and clear of debris in order to preserve the compliance and stability of equipment.

The operator **MUST** confirm that the independent locking arms on the guard are locked in place, the guard is squared, and that the chains are securely in place in order to preserve the compliance of the equipment.

## **Maintenance**

1. Study, understand, follow, and become well versed with the User's Manual before using, maintaining, or inspecting the equipment.
2. OSHA and ANSI require a regular inspection program for all confined space entry/emergency retrieval equipment. Inspections must be well documented.
3. Immediately remove equipment from service if an issue with product is found during inspection. Contact ButlerBilt to assist with the issue.

## **Inspections**

1. Guard must be visually inspected each time before use.
2. An annual inspection of your guard with a detailed record is required by OSHA.
3. All ButlerBilt Manhole Guards must be inspected and certified by a qualified ButlerBilt employee, non-compliance of this will void warranty.

## **Pre-Operation Inspection**

Before each use of your ButlerBilt Manhole Guard a visual inspection is necessary. If any defects are discovered, immediately remove equipment from service and contact ButlerBilt LLC regarding repair. Please use the following checklist as a guide to establish if equipment is in suitable operation and working conditions prior to any use. Equipment that is not in suitable condition can endanger the safety and lives of operators during use.

## **Pre-Operation Inspection Checklist**

- ☐ Validate that all cross bars are straight and free of bends, warping, and rust.
- ☐ Verifying all welds are free from cracking, chipping, or fractures.
- ☐ Ensure all cross bars are solidly mounted, secure, and free from movement.
- ☐ Confirm that the independent locking arms move freely and are in place and secure before use. (add oil if necessary)
- ☐ Check to make sure all hardware is in place and secure.
- ☐ Inspect all levelling feet for presence and adjustability.
- ☐ Examine that safety chains are present and attached.
- ☐ Assess Secondary winch attachment for defects and ease of attachment.
- ☐ All parts move fluidly, fold, and open without issue (regular oiling of moving parts is required).

## **Annual Inspection**

ANSI and OSHA require a routine inspection program for all confined space entry/retrieval equipment and to maintain sound documentation of inspections.

We request that all ButlerBilt Manhole Guards be inspected by a certified ButlerBilt employee. This not only guarantees the integrity of your equipment, but it is also required as part of the extended warranty. If you should decline inspection from ButlerBilt we will have to void warranty and any issues with your guard will be monetarily covered by you, the customer. Please contact ButlerBilt LLC for more information on our Certified Annual Inspection Program.

## **Product Operation**

The succeeding section will address the abilities and typical operation of the ButlerBilt Manhole Guard. The instructions contained herein should be followed each and every time this equipment is used. All people assigned to install, operate, or utilize this equipment are required to be familiar with these procedures.

- Open guard and engage the independent locking arm on both the right and left side.
  - Ensure guard is square over intended entrance.
  - Level guard by adjusting feet and attach chains.
  - Slide secondary winch attachment onto top rail and secure with locking pin inserted through tab on back side of upright. (this step is only necessary if you need a dual winch system)
  - Install winches onto winch mount attachment brackets and secure in place with allotted locking pins.
- \*If you are using dual winches, they must be dedicated to the purpose they are used for\*

## **Product Specifications & Abilities**

The ButlerBilt Manhole Guard is constructed with superior materials and made 100% in the U.S.A. TIG welded drawn over mandrel (D.O.M) tubing, aircraft aluminum uprights, stainless steel and zinc hardware, adjustable leveling feet, and high visibility powder coating. The ButlerBilt Manhole Guard is specifically designed to meet and exceed ANSI and OSHA standards for confined space entry, retrieval, or rescue procedures. All specifications, instructions, and procedures presented in this manual, or any other material stated on ButlerBilt Manhole Guard specification documents are created only for the usage of a ButlerBilt Manhole Guard. ButlerBilt LLC cannot guarantee equipment safety and/or compliance if unapproved accessories or modifications have been used.

### **ButlerBilt Manhole Guard Specifications**

Empty weight: 33lbs

With Uprights: 46lbs

With Uprights and Secondary Attachments: 53lbs

Total Height of Assembled Guard: 51.5in

\*Protects a 33"by 33" opening

### **Load Rating**

Based on a safety factor of 3.0 against yield, the guard frame has a maximum capacity of 800lbs on either winch independently, or 600lbs on both winches simultaneously.

**Materials & construction** consist of TIG welded D.O.M tubing, aircraft aluminum uprights, stainless steel and zinc hardware, and a high visibility powder coating.

### **Features:**

- Easily assembles over the majority of manholes for the safe and secure emergency rescue and/or placement of personnel or material.
- Secondary winch attachment offers a dual winch system that is lightweight, compact, user friendly, and compatible with most winches.
- Independent locking arms with single bolt action.
- Adjustable leveling feet.
- Constructed of superior stronger materials that are lightweight and corrosion resistant.
- Laser cut, easily locatable serial numbers for keeping track of warranty, inspections, and scheduled maintenances.
- 100% made and manufactured in the U.S.A.