TECHNIMOUNT
MEDICAL®

# UNIVERSAL MOUNTING BASE™

## USER MANUAL

TECHNIMOUNT MEDICAL ISO 13485 CERTIFIED

MAKING HEALTHCARE PRACTICES
MORE EFFICIENT

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For any issues with your Technimount product, its components, or for any technical questions during the installation, operation, or maintenance, please contact Technical Support at techsupport@technimount.com.

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# 1. General Mentions and Considerations

The Universal Mounting Base user manual includes detailed product information, standards and guidelines to assist the administrator/manager/supervisor and biomedical technician (or equivalent) with the unpacking, assembling (when indicated) and maintenance of the Technimount product. It also includes specific user-related information to assist trained clinical staff with effectively operating the base.

Please read the user manual thoroughly to fully assess, comprehend, then relay its content to clinical staff during training, to warn them of any potential danger of its abuse, how to safely use the product and provide a safe environment for patients as well as themselves. Your established internal protocols should be updated to include the Technimount product(s) standards, guidelines, requirements and safety recommendations included within this documentation. The user manual should remain available to users when needed and relayed if the product is subsequently sold.

**NOTE :** Technimount continually seeks advancements in product design and quality. While the user manual contains the most updated product information available at the time of printing, it may contain minor differences from the current version, including image references. For more information, please contact Technical Support at techsupport@technimount.com.

**NOTE :** Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability.

## 1.1. Intended Use

The Universal Mounting Base is designed to aid trained clinical staff secure and move medical devices and accessories that are essential to patient care, in hospitals and clinics.

## 1.2. User Competency

To safely operate the Universal Mounting Base, clinical staff must have the required skill level. Training should be given to clinical staff, taking in account the skill level that is necessary to comply with their function and level of interaction with the base:

- **Proficient (trained clinical staff):** Has received the required training, is sufficiently knowledgeable to safely operate the product and have passed the skills assessment (refer to the « Skills Assessment of the Clinical Staff » section on page 21).

  **NOTE :** Any member of the clinical staff who has not received the required training and lacks the knowledge needed to safely operate the base must not use the product.

- **Expert (administrator/manager/supervisor):** Has in-depth knowledge and product comprehension, and is familiar with standards and guidelines. Skilled to train clinical staff on how to safely use the product.
- **Advanced (biomedical technician or equivalent):** Has extensive mechanical experience. Skilled to perform the unpacking, assembly, safety checks and condition-based maintenance procedures as detailed herein, or the basic troubleshooting, upgrade and/or replacement procedures if applicable.

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## 1.3. Warranties

### 1.3.1. Warranty Policy

This statement constitutes Technimount's entire warranty policy with regards to Technimount products. Technimount makes no other warranty or representation, neither expressed nor implied, except as stated herein. There is no warranty of merchantability or warranty of fitness for any particular purpose. Under no circumstances will Technimount be held liable hereunder for incidental or consequential damages, arising from or in any manner, related to sales or use of any such product.

Technimount Medical Inc. guarantees to the original "Purchaser" of the "Product" with which this "Limited warranty" is included, that the product will be free from "Defects" in workmanship and materials under normal use for a "Warranty period" of one (1) year from the product purchase date by the purchaser. During the warranty period, the product will be repaired or replaced according to the "Limited warranty" without charge to the purchaser for parts or labor. The parts and product may be repaired or replaced with new or refurbished parts or products. Herein this Limited Warranty, "Refurbished" means parts and products which have been returned to the factory, specifically. If the product is repaired or replaced within the warranty period, the greater of the remaining warranty period will apply, or three (3) months from the date of repair or replacement. If the product is repaired or replaced after the warranty period has expired, the warranty period for the repair or replacement will expire three (3) months after the repair or replacement date.

### 1.3.2. Limited Warranty

The limited warranty does not apply to normal wear that could result from normal use. It does not apply when the product or any of its components have been disassembled or repaired by someone not authorized by "Technimount". It does not cover repair or the replacement of any product or part thereof damaged by neglect, misuse, moisture, liquids, exposure to heat, accidents, abuse, and non-compliance with the instructions for installation and use provided with the product. It does not cover physical damage to the surface of the product. The decision to repair, replace or refuse the coverage is final and at the sole discretion of Technimount, without any compensation or obligation from Technimount. The product defined as a "base" or "mounting system", used to secure and move medical devices and accessories in hospitals and clinics, is specifically designed to fill this requirement. Any other use will void the warranty and Technimount shall not be held liable on any claim if the product has been modified or adapted for use.

### 1.3.3. International Warranty Clause

This warranty abides by the Canadian domestic policy. Warranty outside Canada may vary by country. Please contact Customer Service at customerservice@technimount.com for more information.

### 1.3.4. User Liability

The purchaser and administrator are responsible to validate regulations and standards for safety in their region, to comply with applicable safety regulations. Technimount is not responsible to inform the purchaser or the administrator of any applicable legislation for safety in their area.

The administrator is responsible for providing proper training to any personnel who will install, operate and perform maintenance on Technimount products.

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## 1.4. Claims

### 1.4.1. Damaged or Defective Merchandise

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of the reception date. **Do not** accept damaged merchandise unless such damage is noted on the delivery receipt at the time of reception. Upon prompt notification, Technimount will file a freight claim with the appropriate carrier for damages incurred. Claims are limited in amount to the actual replacement cost. If the claim has not been received by Technimount within the fifteen (15) day period following the date of delivery, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for the full payment of the original invoice.

Claims for any short or broken merchandise must be made within thirty (30) days of invoicing. For details, refer to the claim process or contact Customer Service at customerservice@technimount.com.

### 1.4.2. Return Policy

Technimount products may be returned up to sixty (60) days from the reception date, if:

- The received product does not match what was originally ordered.
- The product does not meet the Technimount technical sheet specifications.
- The product is not compatible with the system on which it was intended to be installed on.

To return a Technimount product,

- A Return of Merchandise Authorized (RMA) must be requested and approved by Technimount prior to returning the product.
- Products must be returned undamaged and in its original packaging, appropriately identified with the approved RMA number. Returns will not be approved on a modified or damaged item.
- Charges may apply if the package received is damaged or items are missing.
- Purchaser is responsible for a restocking fee (refer to Table 1).

**Table 1:** Restocking fees

| RESTOCKING FEES | |
|---|---|
| Prior to thirty (30) days | 10% |
| Prior to forty-five (45) days | 25% |
| Prior to sixty (60) days | 30% |

For any manufacturing defect, refer to the conditions within the warranty policy or contact Customer Service at customerservice@technimount.com for additional information.

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### 1.4.3. Return of Material Authorization (RMA)

The Technimount Customer Service department is responsible for all merchandise returns and will provide a Return of Merchandise Authorization (RMA) number, upon approval. The RMA must be printed and placed on the returned merchandise. Technimount reserves the right to charge shipping and restocking fees (refer to Table 1 on page 7) for the returned items. Special, modified, or discontinued items are not subject to returns.

### 1.4.4. Claim Process

Upon reception of the returned merchandise, a thorough inspection will be performed. If the merchandise is compliant with the return policy or it is found that the product is defective, Technimount will take corrective actions and close the claim. If, however, it is found that the product is not defective, but rather misused or abused, the product will not be covered by the warranty. Details of our findings and conclusions will be provided shortly thereafter. To submit a claim, contact Customer Service at customerservice@technimount.com to obtain a Return of Material Authorization (RMA) form and return instructions.

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## 2. General Safety Guidelines

Always read and abide by all the safety guidelines identified within this document. Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may endanger the patients or clinical staff, and/or damage to the product. This includes the special care necessary for the safe and effective use of the Technimount product to avoid damage that may occur from use or misuse. The terms "Warning" and "Caution" herein carry special meaning and should be carefully reviewed.

**WARNING –** Indicates a hazardous situation that, if not avoided, could result in death or serious injury, and/or damage the product.

**CAUTION –** Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury, and/or damage the product.

### 2.1. Symbols and Definitions

**WARNING – Risk of Injury**

Indicates an area where there is potential risk of injuries to the patients or clinical staff, and/or damage to the product.

**CAUTION – Safe Practice**

Alerts the reader to pay special attention to the recommendations and methods outlining how to safely operate the product to minimize risks to the patients, clinical staff and the product.

**CAUTION – Safe Handling and Operation**

Alerts the reader to pay special attention to the recommendations for safe use of the product, and of potentially hazardous situations that could result in minor injuries to the patients or clinical staff. This includes the special care necessary for the safe and effective use of the product to avoid damage that may occur from use or misuse.

**CAUTION – Safe Working Load (SWL)/Load Balance**

Indicates the total maximum charge for a safe use of the product.

**CAUTION – Follow Instructions for Use**

Call for action. Reminds the reader to consult the user manual for information.

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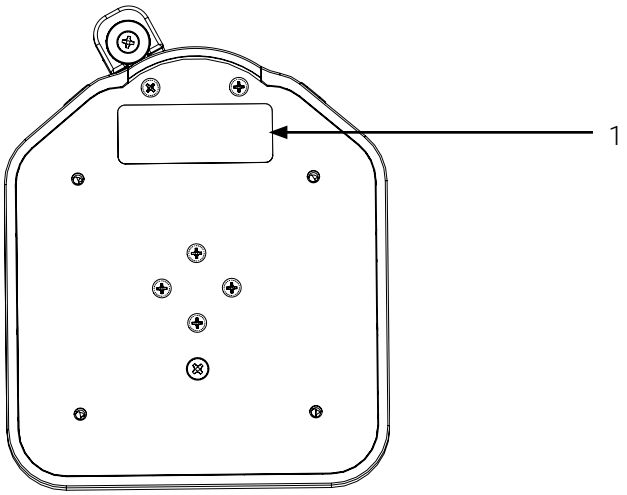
## 2.2. Labels

Labelling on the surface of the Technimount product, quickly identify potential risks and provides information to the user. A manufacturing label, including the serial number and safe working load label (Figure 1), can be seen on the Technimount product.




1. Manufacturing label

**Figure 1:** Location of the manufacturing label (bottom view)

## 2.3. Safety Measures

Carefully read all the safety measures herein before operating the Technimount product, relay to clinical staff during training, and include in your established internal protocols.

More specific safety measures intended for biomedical technicians (or equivalent) relating to the safety checks and conditioned-based maintenance can be found in the « Maintenance » section on page 31.

**WARNING – Risk of Injury**

- **Do not** use the Universal Mounting Base in a transport vehicle. The base is intended solely for hospital and/or clinical use.
- Always use the Universal Mounting Base as it was intended, using only Technimount mounting brackets and compatible medical devices. Improper use may cause unpredictable functioning resulting injury to the patients or clinical staff. Refer to the « Technical Specifications » section on page 13 for compatibilities.
- If any serious incident occurs with the Universal Mounting Base, immediately stop using the product, report the incident to Technical Support at technicalsupport@technimount.com and the applicable regulatory agency.

**CAUTION – Safe Practice**

- Always pay close attention to the condition of the quick release mechanism of the Universal Mounting Base, to avoid risks of damage, equipment falling, or prevent injuries to the patients or clinical staff.
- Practice safely operating the Universal Mounting Base until the manipulations have been perfected, before use with patients. Improper use of a Technimount product may damage it or cause injury to the patients or clinical staff.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that the installation specifications meet the local and regional compliance requirements before use.
- Refer to your established internal protocols and the user documentation provided with each specific medical device for the safety guidelines and safe use with the Universal Mounting Base.

**CAUTION – Safe Handling and Operation**

- Always ensure that the quick release mechanism of the Universal Mounting Base is properly engaged and functional before use to prevent undue risk to the base, patients, and clinical staff.
- Always ensure that the medical device and/or mounting bracket is properly secured on the Universal Mounting Base before use to prevent undue risk to the base patients, and clinical staff.
- Always pay close attention not to wedge the power cord(s) or tubing during the installation or the removal of the medical devices and/or accessories. Refer to your established internal protocols for the safety guidelines and safe use with the Universal Mounting Base.

**CAUTION – Safe Working Load (SWL)/Load Balance**

**Do not** overload the Universal Mounting Base to avoid tipping incidents or risks of collapsing. The chosen installation surface should withhold the weight of the base with the medical device and accessories. Under no circumstances will Technimount be held liable hereunder for incidental or consequential damages, arising from a non-conforming installation. Refer to the « Technical Specifications » section on page 13 if needed. The total Safe Working Load (SWL) is 24 lb (10.89 kg).

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**CAUTION – Follow the Instruction for Use**

- Always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided with the user documentation of the Universal Mounting Base.
- The Universal Mounting Base may be used with optional Technimount mounting brackets, medical devices and/or accessories. Refer to their specific user documentation for the safety guidelines and safe use.

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## 3. Technical Specifications

| | |
|---|---|
| **Product Name** | Universal Mounting Base™ |
| **Description** | Mounting system designed to aid trained clinical staff secure and move medical devices and accessories that are essential to patient care |
| **Product Code** | 101-20-UN |
| **Operating Environment** | Hospital/Clinic |
| **Compliance** | IEC 60601 (applicable mechanical sections) |
| **Expected Service Life** | 5 years |
| **Compatible Mounting System** | - Counter top<br>- Crash cart<br>- Roll cart<br>- Wall mounts<br>- Flex Adapter Shelf<br>- Flex Adapter<br>- Auxiliary arms<br>- THS™ product line<br>Contact Customer Service at customerservice@technimount.com for details |
| **Compatible Medical Devices/ Accessories** | Medical devices that are secured in Technimount mounting brackets that have a compatible standard bottom disc |
| **Dimensions (W X D X H)** | - Universal Mounting Base™: 6.5 in. X 8.21 in. X 1.65 in. (16.51 cm X 20.85 cm X 4.15 cm)<br>- Options:<br>  - Flex Adapter Shelf: 6.74 in. X 7.84 in. X 6.62 in. (17.12 cm X 19.91 cm X 16.81 cm)<br>  - Flex Adapter: 4.79 in. X 4.63 in. X 0.25 in. (12.12 cm X 11.76 cm X 0.64 cm) |
| **Weight** | - Universal Mounting Base™: 2.23 lb (1.01 kg)<br>- Options:<br>  - Flex Adapter Shelf: 4.68 lb (2.12 kg)<br>  - Flex Adapter: 0.32 lb (0.15 kg) |
| **Composition** | - Universal Mounting Base™: Aluminum<br>- Options:<br>  - Flex Adapter Shelf: Steel<br>  - Flex Adapter: Aluminum |
| **Total Safe Working Load (SWL)** | 24 lb (10.89 kg) |
| **Operating Temperature** | - 31° F to 113° F (- 35° C to 45° C) |

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| | |
|---|---|
| **Tested and Approved Cleaning Solutions** | - Oxivir®, 5% Hydrogen Peroxide with Peracetic Acid (AHP)<br>- Lavo® 12, 10 000 ppm Sodium Hypochlorite<br>- TNT-100, 5% Quaternary Ammonium Compound<br>- Spectro-Sept, 5% Ethyl Alcohol<br>- Spectrol, 5% EDTA salt |
| **Options** | - 830-00-UN-06: Flex Adapter Shelf<br>- 603-00-WMA-GCX: Flex Adapter |

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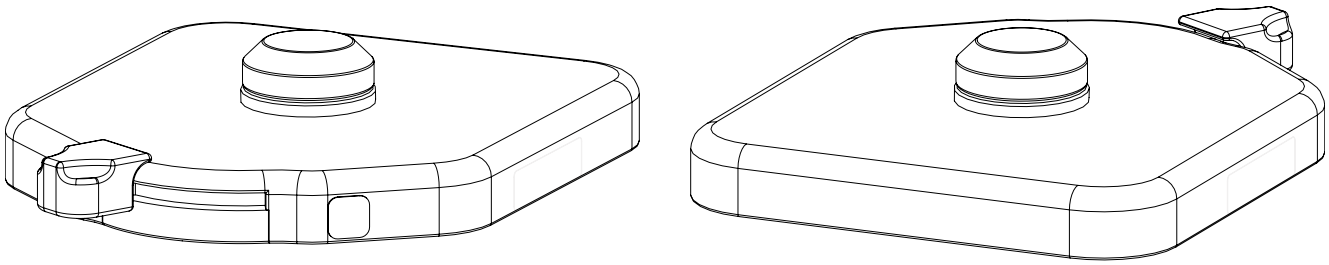
## 4. Universal Mounting Base Orientation Diagrams

**NOTE :** The orientations referenced herein are from the clinical staff standpoint, when facing the base.



Front of the base

Back of the base

**Figure 2:** Orientation diagram of the Universal Mounting Base

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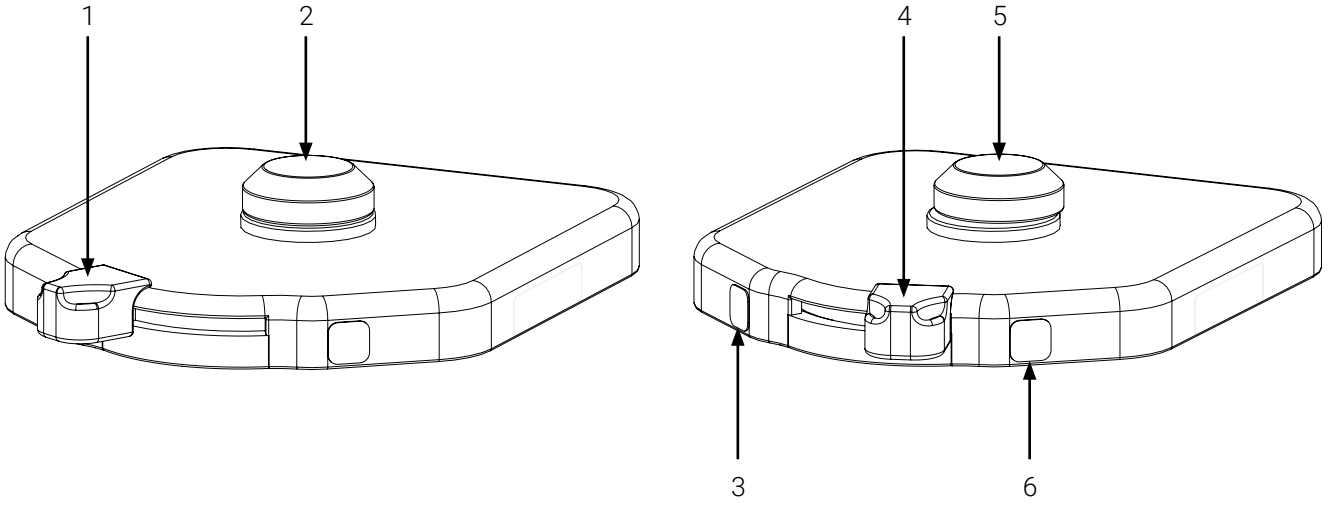
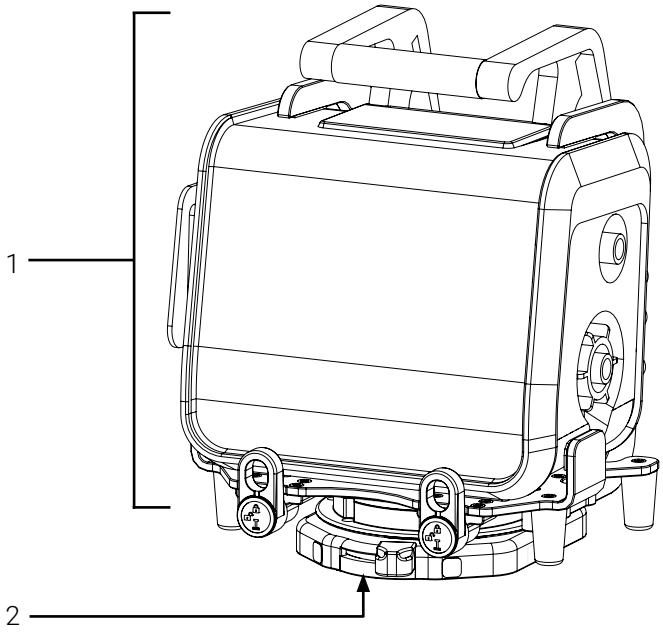
## 5. Universal Mounting Base Illustrated Parts




1. Slide locking lever of the quick release mechanism in the unlocked position
2. Locking disc disengaged
3. Unlocked 🔓 identification label
4. Slide locking lever of the quick release mechanism in the locked position
5. Locking disc engaged
6. Locked 🔒 identification label

**Figure 3:** Components of the Universal Mounting Base




1. Medical device secured in a Technimount mounting bracket
2. Universal Mounting Base

**Figure 4:** Example of a medical device secured in a mounting bracket and installed on the base

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## 6. Operate the Universal Mounting Base

The content in this section is intended for clinical staff who are proficient, have received the required training and passed the skills assessment, therefore sufficiently knowledgeable to safely operate the base.

**NOTE :** Only a Technimount mounting bracket with a standard bottom disc can be installed on the Universal Mounting Base. Refer to the user documentation of the mounting bracket for the safety guidelines and safe use, if needed.

### 6.1. Install a Medical Device on a Universal Mounting Base

1. Ensure that the slide locking lever of the quick release mechanism of the base is in the unlocked position. If the lever is in the locked position 🔒 (Figure 5 A), slide the lever to the left in the unlocked position 🔓 (Figure 5 B).

(A) (B)

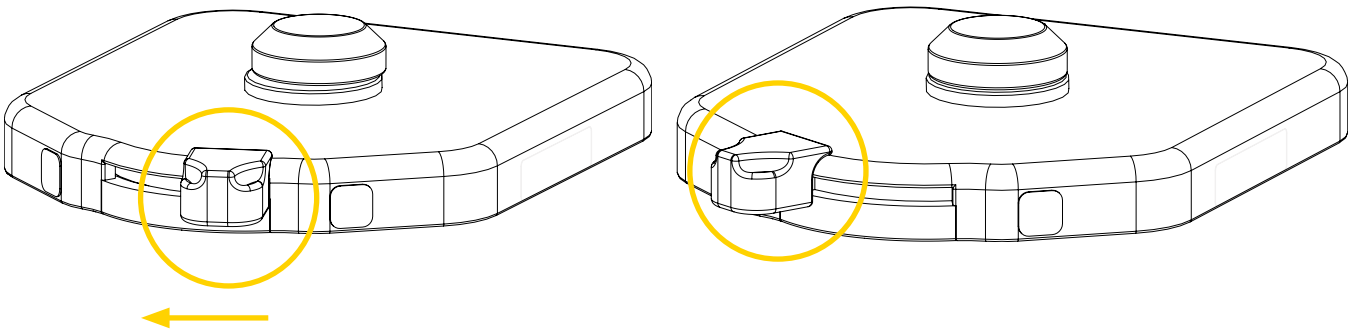

**Figure 5:** Unlocking the base

2. Ensure that the medical device is properly secured in the mounting bracket. Refer to the user documentation of the Technimount product if needed.

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3. Align and place the mounting bracket on the Universal Mounting Base (Figure 6), ensuring to insert the locking disk of the base in the standard bottom disc of the mounting bracket.

(A) (B)

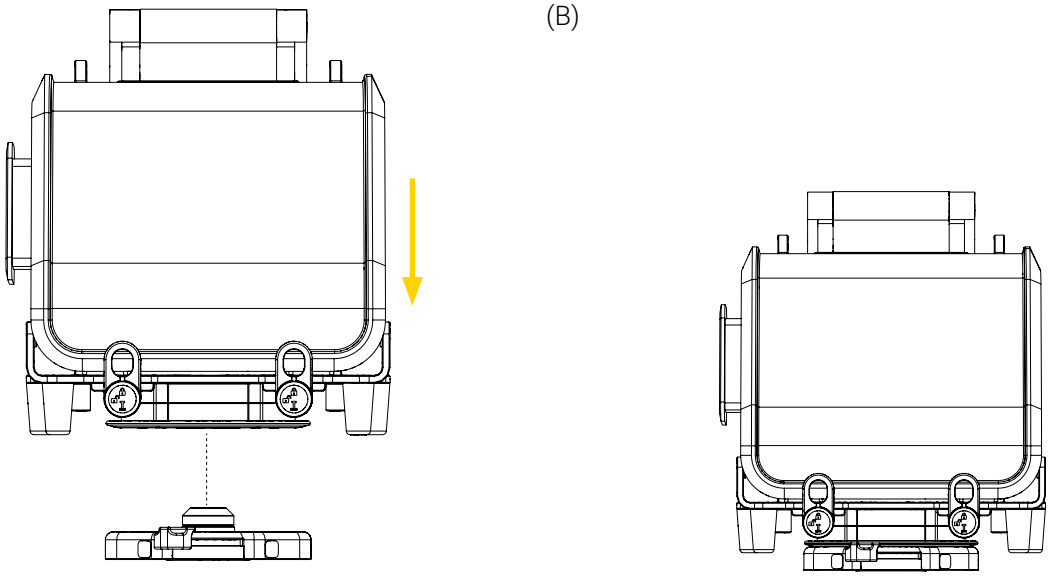

**Figure 6:** Installing the medical device

4. Slide the lever of the quick release mechanism to the right in the locked position 🔒 (Figure 7) to lock the base and secure the medical device.

(A) (B)

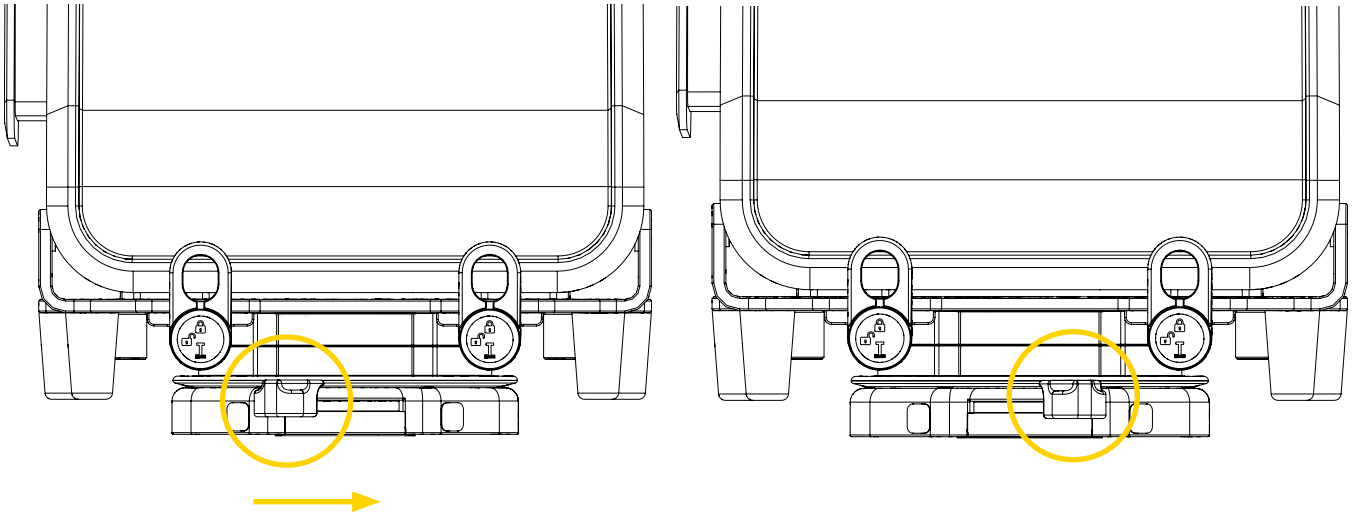

**Figure 7:** Locking the base

5. Move the medical device back and forth a few times to ensure it is locked and secured in the base. If the standard bottom disc of the mounting bracket stays in the base after the verification, the medical device is properly locked and secured.

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6. Rotate the medical device up to 360° clockwise or counterclockwise, to the desired position (Figure 8).

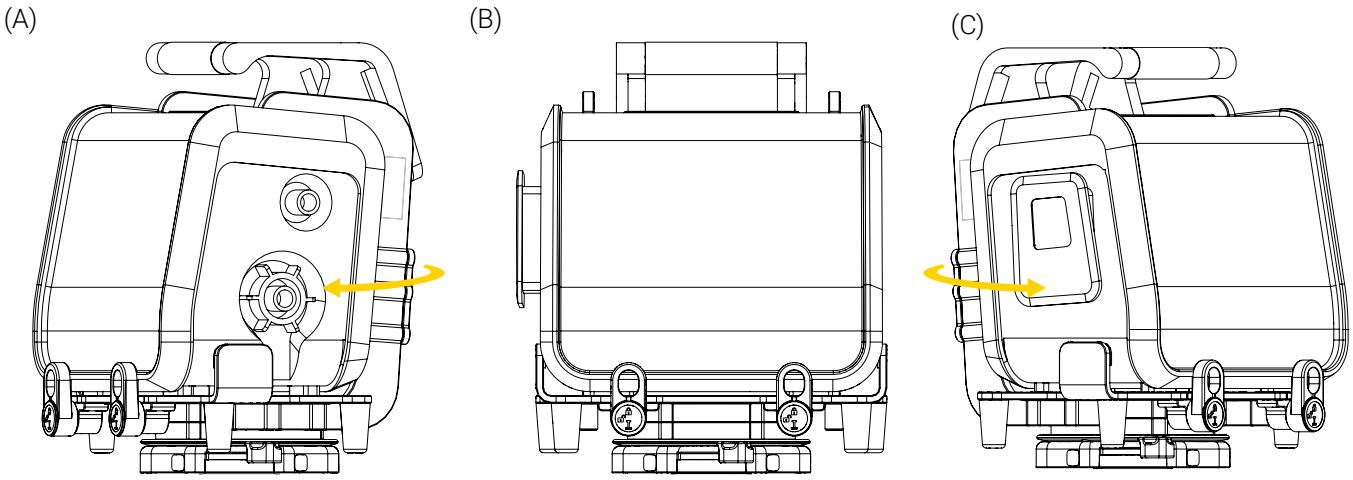


**Figure 8:** Operating the medical device on the base

The installation of a medical device on a Universal Mounting Base is complete.

### 6.2. Remove a Medical Device from a Universal Mounting Base

1. Slide the lever of the quick release mechanism to the left in the unlocked position 🔓 (Figure 9) to unlock the base.

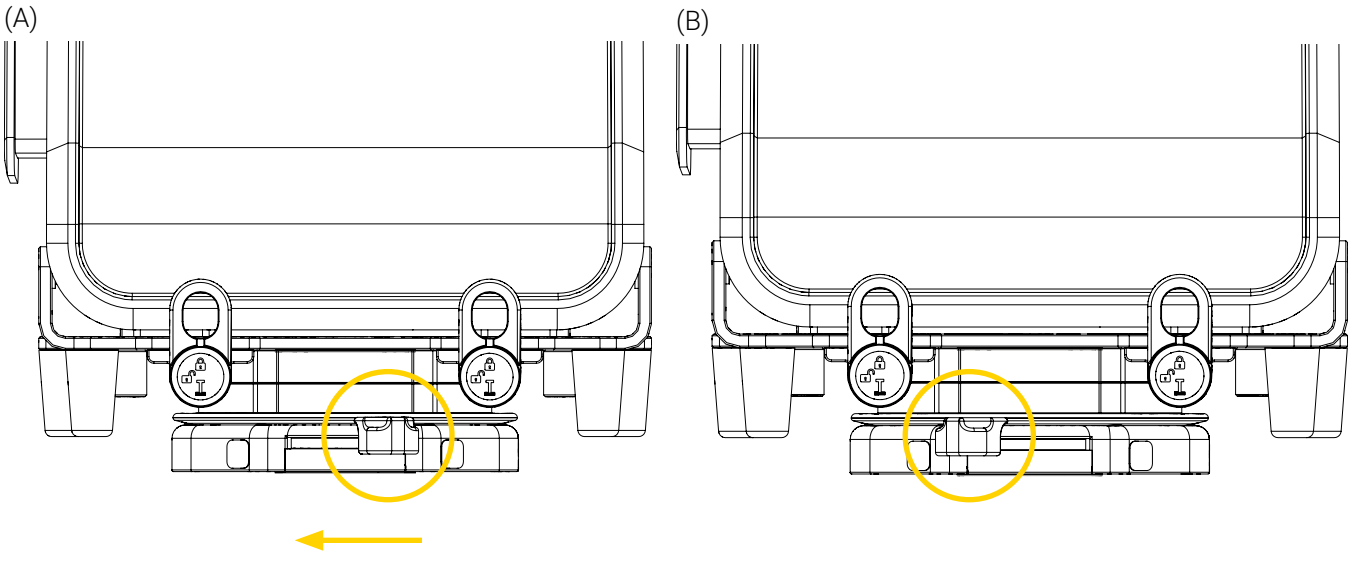


**Figure 9:** Unlocking the base

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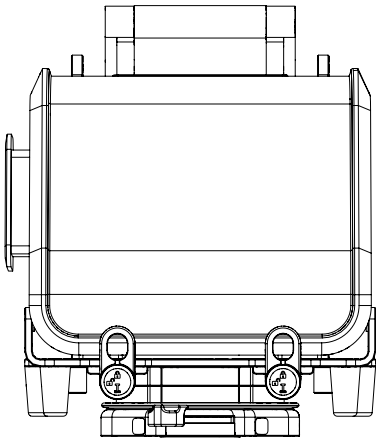
2. Lift the medical device vertically to remove it from the base (Figure 10), then set it aside on a flat and clean surface, or store it in its dedicated storage space. Refer to your established internal protocols if needed.

(A)



(B)

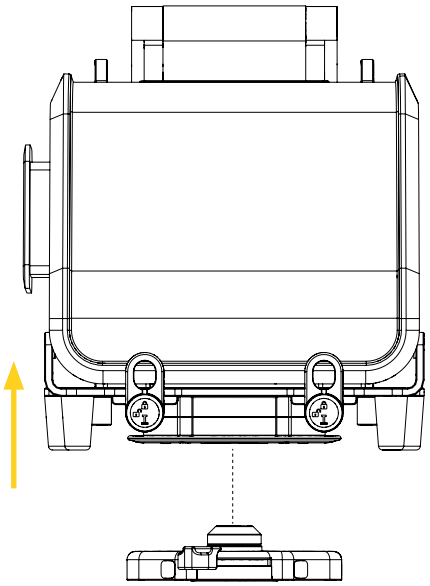


**Figure 10:** Removing the medical device

The removal of a medical device from a Universal Mounting Base is complete.

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## Annex I Skills Assessment of the Clinical Staff

Following training, a skills assessment should be given to each member of the clinical staff to ensure they have fully comprehended the labelling, warnings and cautions, potential risks, safe practices and proper operating procedures needed to safely and effectively use the Universal Mounting Base. Consider adding the following to your internal training protocols.

Trainee name: Unit:

Assessor name: Date:

| CLINICAL STAFF SKILLS ASSESSMENT | | |
|---|---|---|
| SKILL CRITERIA | PASSED | FAILED |
| **Labelling** | | |
| - Able to identify meaning and potential risks associated with the different safety labels: | | |
| - Safe Working Load (SWL). | ☐ | ☐ |
| **Safety Measures** | | |
| - Knows **not to** use the Universal Mounting Base in a transport vehicle. | ☐ | ☐ |
| - Knows to always use the Universal Mounting Base as it was intended, using solely Technimount mounting brackets and compatible medical devices. | ☐ | ☐ |
| - Knows to always pay close attention to the condition of the quick release mechanism of the Universal Mounting Base. | ☐ | ☐ |
| - Knows to always ensure that the quick release mechanism of the Universal Mounting Base is properly engaged and functional before use. | ☐ | ☐ |
| - Knows to always ensure that the medical device and/or mounting bracket is properly secured on the Universal Mounting Base before use. | ☐ | ☐ |
| - Knows to always pay close attention not to wedge the power cord(s) or tubing during the installation or the removal of the medical devices and/or accessories. | ☐ | ☐ |
| - Knows **not to** overload the Universal Mounting Base. | ☐ | ☐ |
| - Knows to always read and abide by all the safety guidelines identified, as well as follow the instructions provided within the user manual of the Universal Mounting Base. | ☐ | ☐ |
| **Operation** | | |
| - Able to install/remove a medical device and/or Technimount mounting bracket on/ from the Universal Mounting Base. | ☐ | ☐ |
| - Able to operate a medical device and/or Technimount mounting bracket on the Universal Mounting Base. | ☐ | ☐ |
| - Has practiced safely operating the Universal Mounting Base, has perfected the manipulations and has acquired the required skill level to safely use with patient. | ☐ | ☐ |

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## Annex II Unpack the Universal Mounting Base

Unpacking should be reserved for biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level.

1. Inspect the shipping box(es) for signs of damage before accepting shipment. Take pictures and report them promptly if applicable.
2. Move the shipping box(es) to the location of the installation.
3. Open the shipping box(es).
4. Unpack the box(es) and ensure that all shipping and packaging materials have been properly removed, prior to installation.

   **NOTE :** Keep all packaging material for future use.
5. Identify all the components and hardware included for the installation if applicable, then set them aside. Refer to the « Install the Universal Mounting Base » section on page 25 for the required parts.
6. Inspect the items for signs of damage. Take pictures and report them promptly if applicable.

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## Annex III Install the Universal Mounting Base

The content in this section is intended for biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read the entire « Safety Measures » section on page 11. Browse through this section and choose the installation procedure that applies to your needs.

### Install a Universal Mounting Base on a Counter Top/Crash Cart

**NOTE :** The following procedure illustrates the installation of the Universal Mounting Base on a crash cart, but the same instructions apply for any compatible horizontal surface.

### Required Installation Time

5-10 minutes

### Required Tools

- 10-32 in. stainless steel screws (4X; User provided. The length will depend on the depth of the installation surface)
- Screwdriver (depends on the hardware)
- Medium strength thread lock adhesive ( )

### Required Parts

- Universal Mounting Base
- Drilling template for the installation of the Universal Mounting Base

**TIP!** Although using a drilling template is not mandatory, it facilitates the installation. Print the « Drilling Template – Install a Universal Mounting Base on a Counter Top/Crash Cart » on page 39 if needed.

### Installation Procedure

1. Ensure that the chosen installation surface meets the safety and installation requirements. Refer to the « Safety Measures » section on page 11 if needed.
2. Drill holes through the installation surface using the drilling template.

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3. Place the Universal Mounting Base on the installation surface, then from under the horizontal surface, secure the base using four (4) 10-32 in. stainless steel screws coated with medium strength thread lock adhesive and a screwdriver (Figure 11 A).

   **NOTE :** Ensure to leave a clearance around the base that is sufficient to rotate the medical device up to 360° clockwise or counterclockwise (Figure 11 B). The clearance needed will depend on the size of the medical device and its mounting bracket, as well as the total Safe Working Load (SWL) of the base. Refer to the « Technical Specifications » section on page 13 if needed.

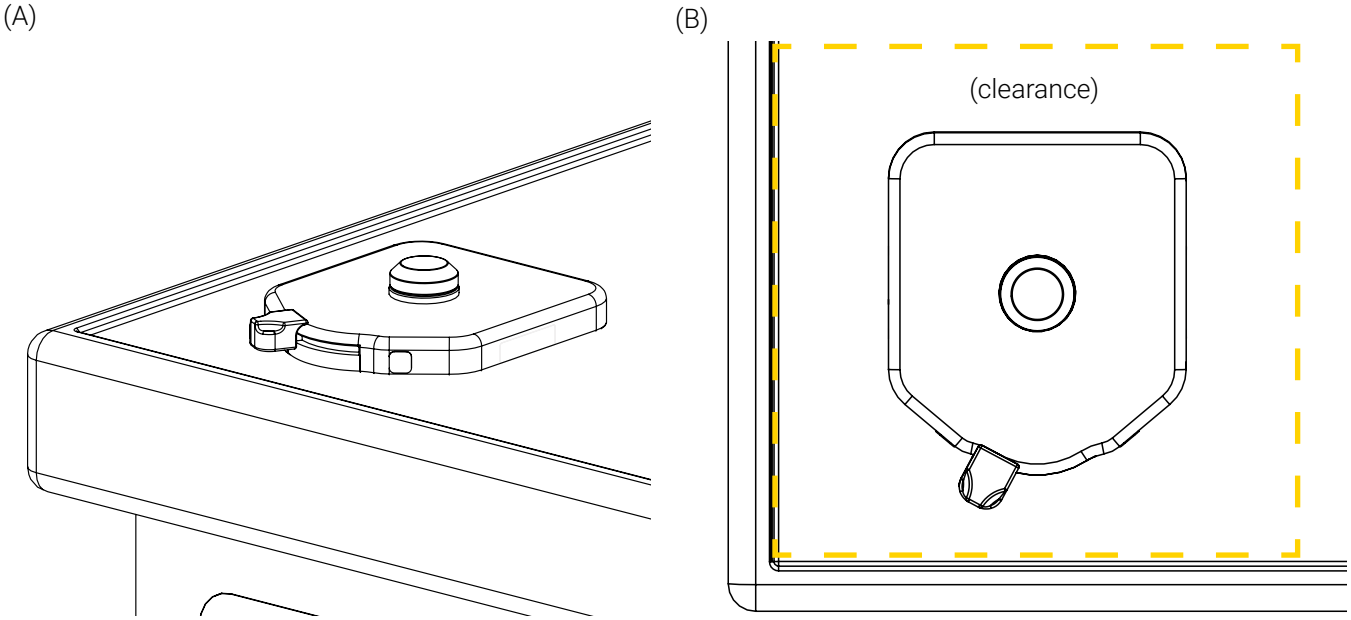


**Figure 11:** Installation of the base on a crash cart

4. Move the base back and forth a few times to ensure it is secured on the installation surface. If it does not move after the verification, it is properly secured.

The installation of a Universal Mounting Base on a counter top/crash cart is complete.

### Install a Universal Mounting Base on a Flex Adapter Shelf

#### Required Installation Time

5-10 minutes

#### Required Tools

- 10-32 in. stainless steel screws (4X; User provided. The length will depend on the depth of the installation surface)
- Screwdriver (depends on the hardware)
- Medium strength thread lock adhesive ( )

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### Required Parts

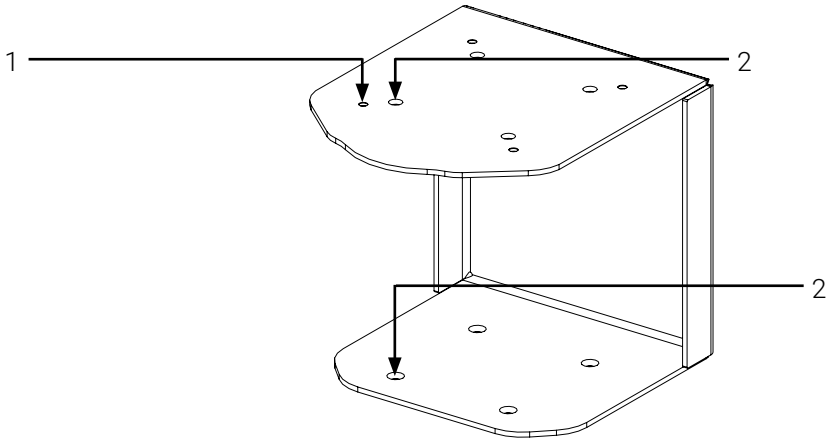
- Universal Mounting Base
- Flex Adapter Shelf
- Drilling template for the for the installation of the Flex Adapter Shelf

**TIP!** Although using a drilling template is not mandatory, it facilitates the installation. Print to the « Drilling Template – Install a Flex Adapter Shelf on a Counter Top/Crash Cart » on page 41 if needed.

### Installation Procedure

1. Ensure that the chosen installation surface meets the safety and installation requirements. Refer to the « Safety Measures » section on page 11 if needed.
2. Drill holes on the installation surface using the inner drill holes on the Flex Adapter Shelf and the drilling template.

**TIP!** To facilitate drilling, insert the drilling bit through the four (4) inner drilling holes on the top part of the Flex Adapter Shelf (Figure 12).




| | |
|---|---|
| 1. Outer holes for the installation of the base on the Flex Adapter Shelf (4X) | 2. Inner drill holes for the installation of the Flex Adapter Shelf on the horizontal surface (8X) |

**Figure 12:** Drill holes of the Flex Adapter Shelf

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3. Place the Flex Adapter Shelf on the installation surface, then secure the shelf using four (4) 10-32 in. stainless steel screws coated with medium strength thread lock adhesive and a screwdriver (Figure 13).

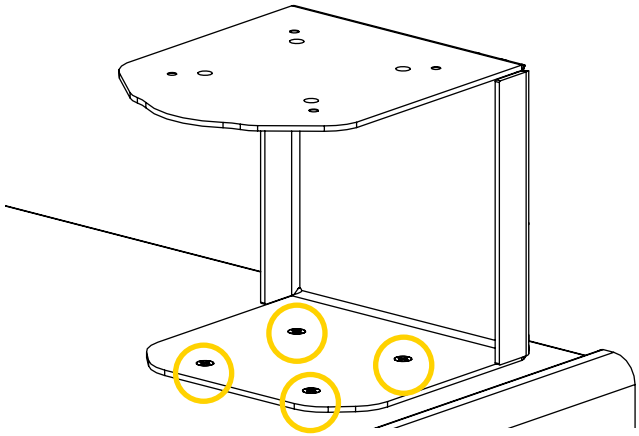

**Figure 13:** Installation of the Flex Adapter Shelf on a crash cart

4. Move the Flex Adapter Shelf back and forth a few times to ensure it is secured on the installation surface. If it does not move after the verification, it is properly secured.
5. Place the Universal Mounting Base on the Flex Adapter Shelf, then secure the base using four (4) 10-32 in. stainless steel screws coated with medium strength thread lock adhesive and a screwdriver (Figure 14).

(A) (B)

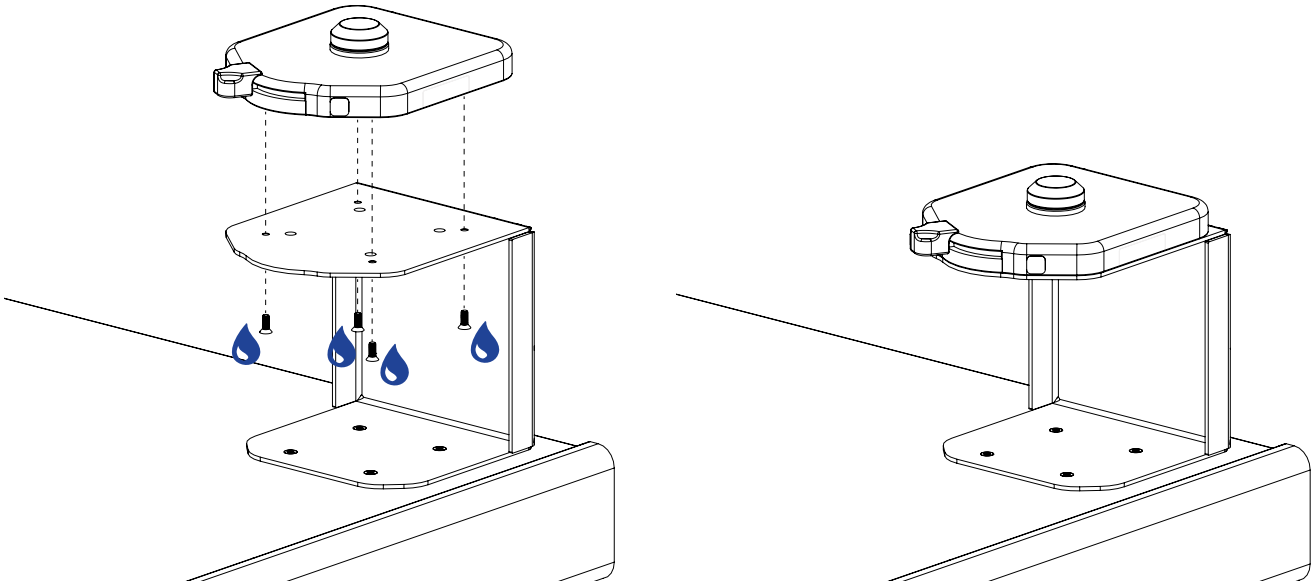

**Figure 14:** Installation of the base on the Flex Adapter Shelf

6. Move the base back and forth a few times to ensure it is secured on the shelf. If it does not move after the verification, it is properly secured.

The installation of a Universal Mounting Base on a Flex Adapter Shelf is complete.

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### Install a Universal Mounting Base on a Flex Adapter

#### Required Installation Time

5-10 minutes

#### Required Tools

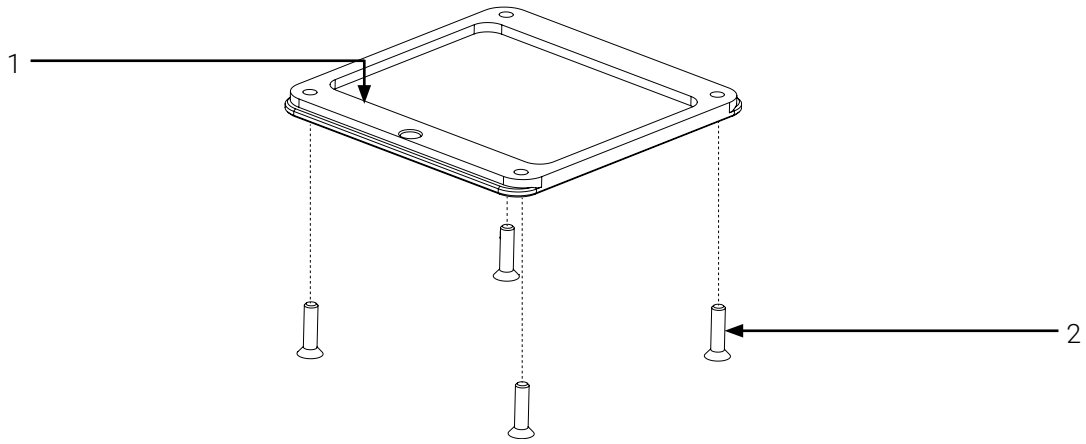
- Phillips screwdriver #2

#### Required Parts

- Universal Mounting Base
- Flex Adapter
- 10-32 in. X 3/4 in. L flat head screws (4X)

#### Installation Procedure

1. Identify the Flex Adapter assembly parts (Figure 15).




| | |
|---|---|
| 1. Flex Adapter | 2. 10-32 in. X 3/4 in. L flat head screw (4X) |

**Figure 15:** Flex Adapter assembly parts

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2. Flip the Universal Mounting Base, then place and secure the Flex Adapter on the base using four (4) 10-32 in. X 3/4 in. L flat head screws and a Phillips screwdriver #2 (Figure 16).

(A) (B)

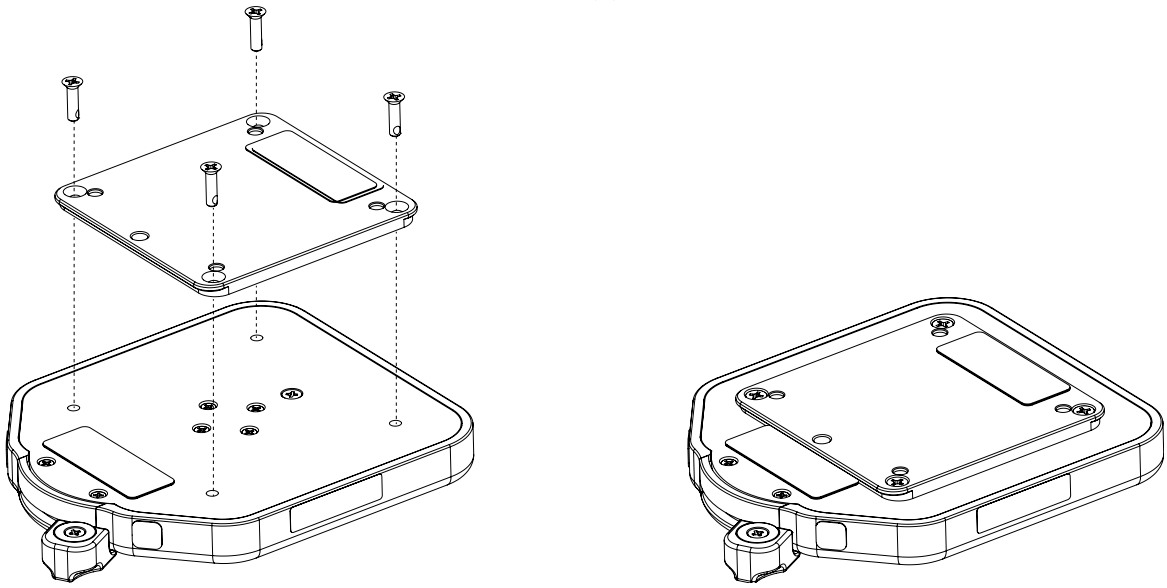

**Figure 16:** Installation of the base on the Flex Adapter

3. Move the Flex Adapter back and forth a few times to ensure it is secured on the base. If it does not move after the verification, it is properly secured.
4. Flip the Universal Mounting Base.

The installation of a Universal Mounting Base on a Flex Adapter is complete.

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## Annex IV Maintenance

Safety checks and condition-based maintenance should be carried out by biomedical technicians (or equivalent) who have extensive mechanical experience, and advanced skill level and have read all the entire « Safety Measures » section on page 11, and the maintenance specific safety measures listed below.

Factors such as weather, environment, geographical location and individual usage will necessitate different needs. For the maintenance of the Universal Mounting Base, follow the guidelines listed herein and in accordance with your service's current maintenance practices and established internal protocols. Please contact Technical Support at techsupport@technimount.com for replacement parts or repair related issues, if needed.

**WARNING – General Warning**

- **Do not** perform safety checks or condition-based maintenance before having read the entire content of the user manual, gained in-depth knowledge and product comprehension, and familiarized yourself with the standards and guidelines.
- Safety checks and a condition-based maintenance plan are required and should be established for all Technimount products.
- Perform the safety checks and maintenance operations as described herein. Failing to follow the recommended maintenance plan or its guidelines could cause premature damage to the product.
- Use only Technimount parts, maintenance procedures, cleaning solutions and lubricants (if applicable), as described herein. Using unapproved modified parts or procedures for the maintenance of the Technimount product may cause the system to be unstable and could cause injury to the patients or clinical staff and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the « Replacement Parts/Kits » section on page 37). Recycle damaged parts or dispose according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).

**CAUTION – Safe Handling and Operation**

- **Do not** use unauthorized, untested or unapproved cleaning products and disinfectants to perform condition-based maintenance, to avoid damaging the surface of your Technimount product and void the warranty. Technimount will not be held liable for damages resulting from the use of an unauthorized, untested or unapproved cleaning product.
- **Do not** use powered tools to screw the hardware during installation, as there is a potential risk of damage to the threads.
- **Do not** steam clean or use ultrasonic cleaners on the system or any of its components.
- **Do not** immerse the metal parts/components in water.
- To spot clean, the maximum water temperature should not exceed 180° F/82° C. The maximum water pressure should not exceed 1500 psi/103.5 BAR. If using a high pressure washer, the pressure nozzle must be kept a minimum of 24 in. (61 cm) from the unit.
- When cleaning, always use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.).

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**CAUTION – Corrosion**

- Always rinse and dry the Universal Mounting Base properly after using cleaning products. Certain types of cleaners may leave a corrosive residue on the surface of the product and could cause the premature corrosion of critical components. Refer to the product Safety Data Sheets (SDS) for chemical information or handling, storage and emergency measures in case of accident.
- Dispose of corrosive wastes according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).

**CAUTION – Follow Instructions for Use**

Always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided by the manufacturer of the cleaning product.

### Maintenance Frequency

- Safety checks and the condition-based maintenance should be performed minimally every month or as frequently needed, to prolong the longevity of the Universal Mounting Base in optimal conditions.
- Decontaminate the Universal Mounting Base as recommended in your internal protocols, as well as the regulations and standards in virtue of the infection prevention and control procedures.

### Required Tools

- Clean dry cloths
- Soft brush
- Pressure washer
- Cleaning solutions
- Medium strength thread lock adhesive ( )
- Screwdriver (depends on the hardware)
- Phillips screwdriver #2 (Flex Adapter configuration)

### Tested and Approved Cleaning Solutions

- Oxivir, 5% Hydrogen Peroxide with Peracetic Acid (AHP)
- Lavo 12, 10 000 ppm Sodium Hypochlorite
- TNT-100, 5% Quaternary Ammonium Compound
- Spectro-Sept, 5% Ethyl Alcohol
- Spectrol, 5% EDTA salt

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Maintenance Plan

**NOTE :** In case of a non-conformity, stop using the product and contact Technical Support at techsupport@technimount.com immediately for a remedial action plan.

**NOTE :** Always keep records of your maintenance activities and immediately remove defective or expired products from your inventory.

| MAINTENANCE PLAN | COMPLIANT | |
|---|---|---|
| SAFETY CHECKS | YES | NO |
| **Universal Mounting Base (Figure 17)** | | |
| - Visually inspect all the components of the Universal Mounting Base to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws: | | |
| - Slide locking lever of the quick release mechanism | ☐ | ☐ |
| - Locking disc | ☐ | ☐ |
| - Visually inspect all the components of the optional parts (depending on your configuration) to ensure there is no damage or chemical attack, that the hardware is in good condition and there are no loose screws: | | |
| - Flex Adapter Shelf | ☐ | ☐ |
| - Flex Adapter | ☐ | ☐ |
| - If there is damage to the components, remove the product from circulation and contact Technical Support immediately for a remedial action plan. | ☐ | ☐ |
| - If there are traces of chemical attack, follow the conditioned-based maintenance herein. | ☐ | ☐ |
| - If the hardware is not in good condition, replace it. Contact Technical Support if needed. | ☐ | ☐ |
| - If the hardware is loose, apply medium strength thread lock adhesive and tighten using a screwdriver. | ☐ | ☐ |
| - Visually inspect the cavities of the quick release mechanism and locking disc components and make sure there are no lodged particles to ensure proper functioning. If so, immediately remove using a clean dry cloth. | ☐ | ☐ |
| - Move the slide locking lever of the quick release mechanism from side-to-side and make sure of proper functioning. The mechanism should glide from one side to the other without any resistance, and the locking disc should move back and forth following the movement of the lever. If not, remove the product from circulation and contact Technical Support immediately for a remedial action plan. | ☐ | ☐ |

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| MAINTENANCE PLAN | COMPLIANT | |
|---|---|---|
| **SAFETY CHECKS** | **YES** | **NO** |
| - Install/remove the medical device in its mounting bracket on the base a few times to ensure proper functioning. The standard bottom disc under the mounting bracket should be easily inserted and locked when moving the slide locking lever of the quick release mechanism to the right in the locked position 🔒, and easily unlocked and removed when moving the slide locking lever of the quick release mechanism to the left in the unlocked position 🔓. If not, remove access to the product and contact Technical Support immediately for a remedial action plan. | ☐ | ☐ |
| **CONDITION-BASED MAINTENANCE** | **YES** | **NO** |
| Following the safety checks, | | |
| **Clean the Universal Mounting Base** | ☐ | ☐ |

1. Remove the excess dirt using a clean cloth, if needed.
2. Remove the contaminants using a pressure washer or as recommended in your established internal protocols and control procedures.
3. Clean using a cloth and cleaning solution.
4. Spot clean stains by applying the solution directly on the stain and let sit on the surface, if needed.

   **NOTE :** Avoid over saturation and ensure that the product does not sit on the surface of the base longer than recommended by the cleaner's manufacturer.

5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then dry all the components using a clean cloth before returning to service.

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**Comments and observations following the Safety Checks and Condition-Based Maintenance:**

Maintenance plan completed on (dd/mm/yyyy):

Maintenance plan completed by:

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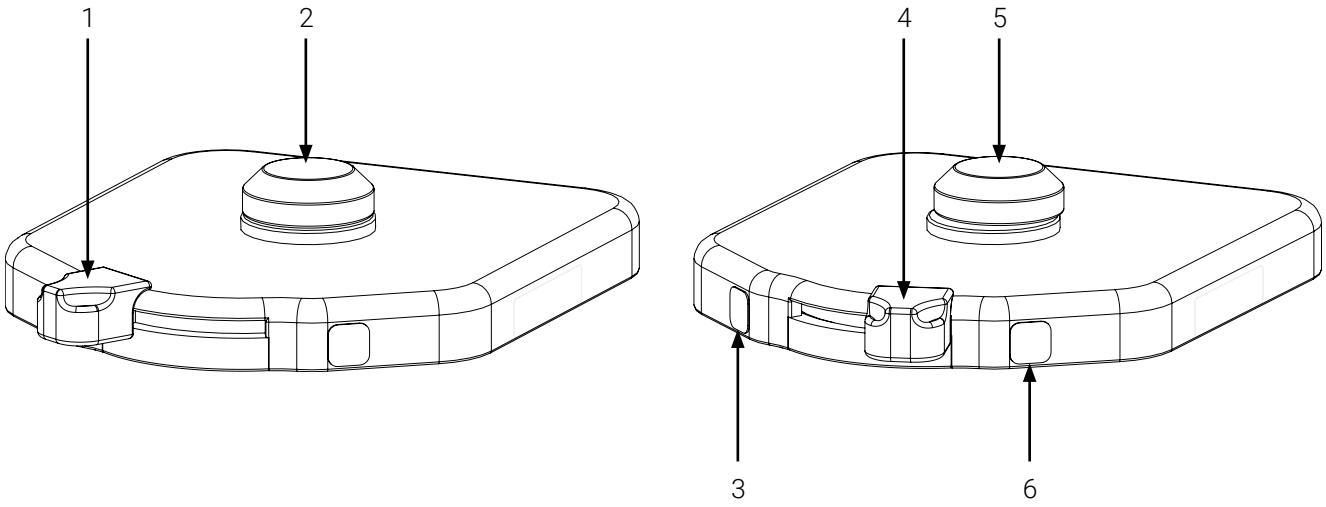
Illustrated Inspection Points




1. Slide locking lever of the quick release mechanism in the unlocked position
2. Locking disc disengaged
3. Unlocked identification label
4. Slide locking lever of the quick release mechanism in the locked position
5. Locking disc engaged
6. Locked identification label

**Figure 17:** Illustrated inspection points

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## Annex V Replacement Parts/Kits

Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability, or Technical Support at techsupport@technimount.com for replacement parts/kits or repair related issues.

| PART/KIT NUMBER | PART/KIT DESCRIPTION |
|---|---|
| N/A | N/A |

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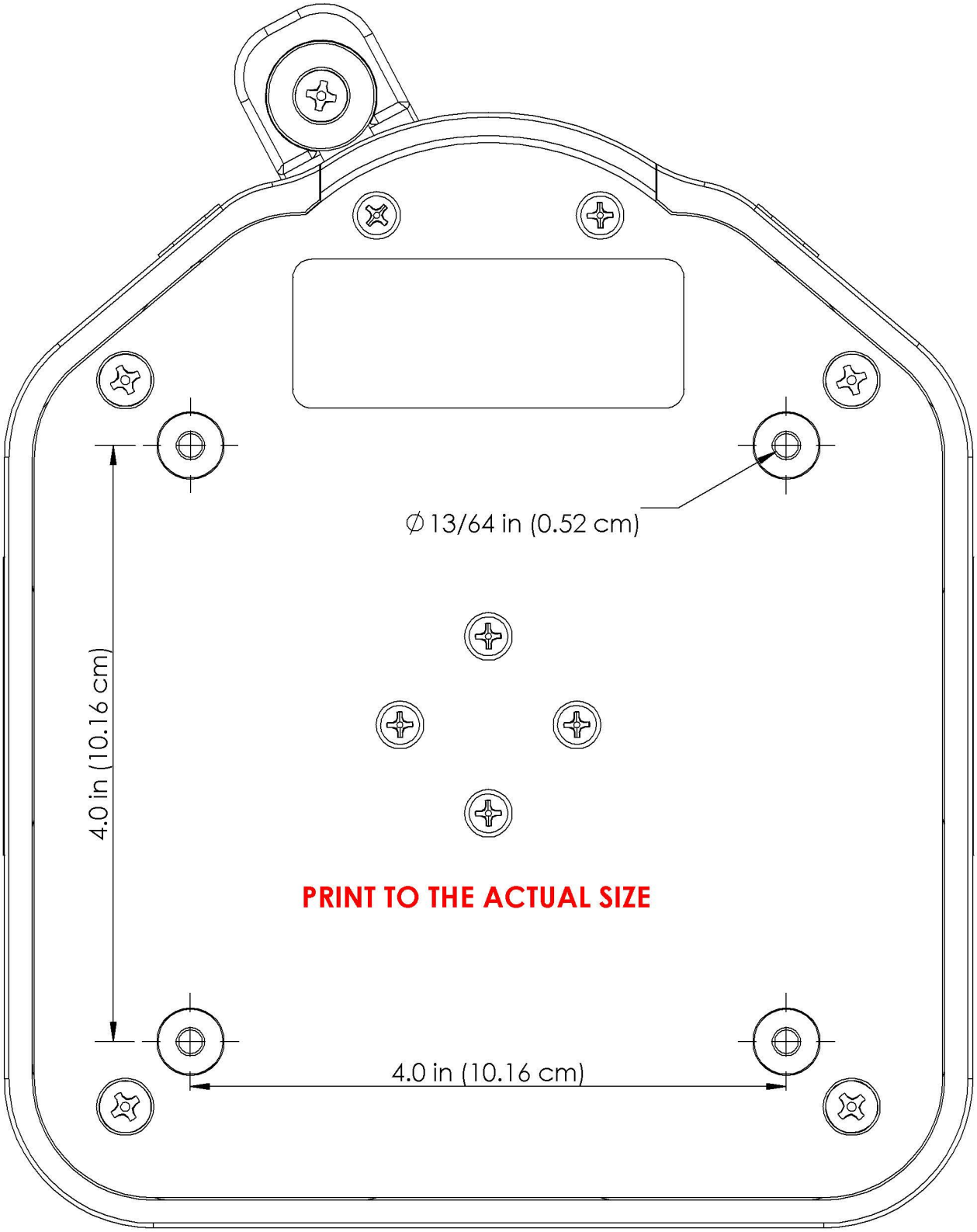
Annex VI Drilling Templates (Print to Scale)

Drilling Template – Install a Universal Mounting Base on a Counter Top/Crash Cart



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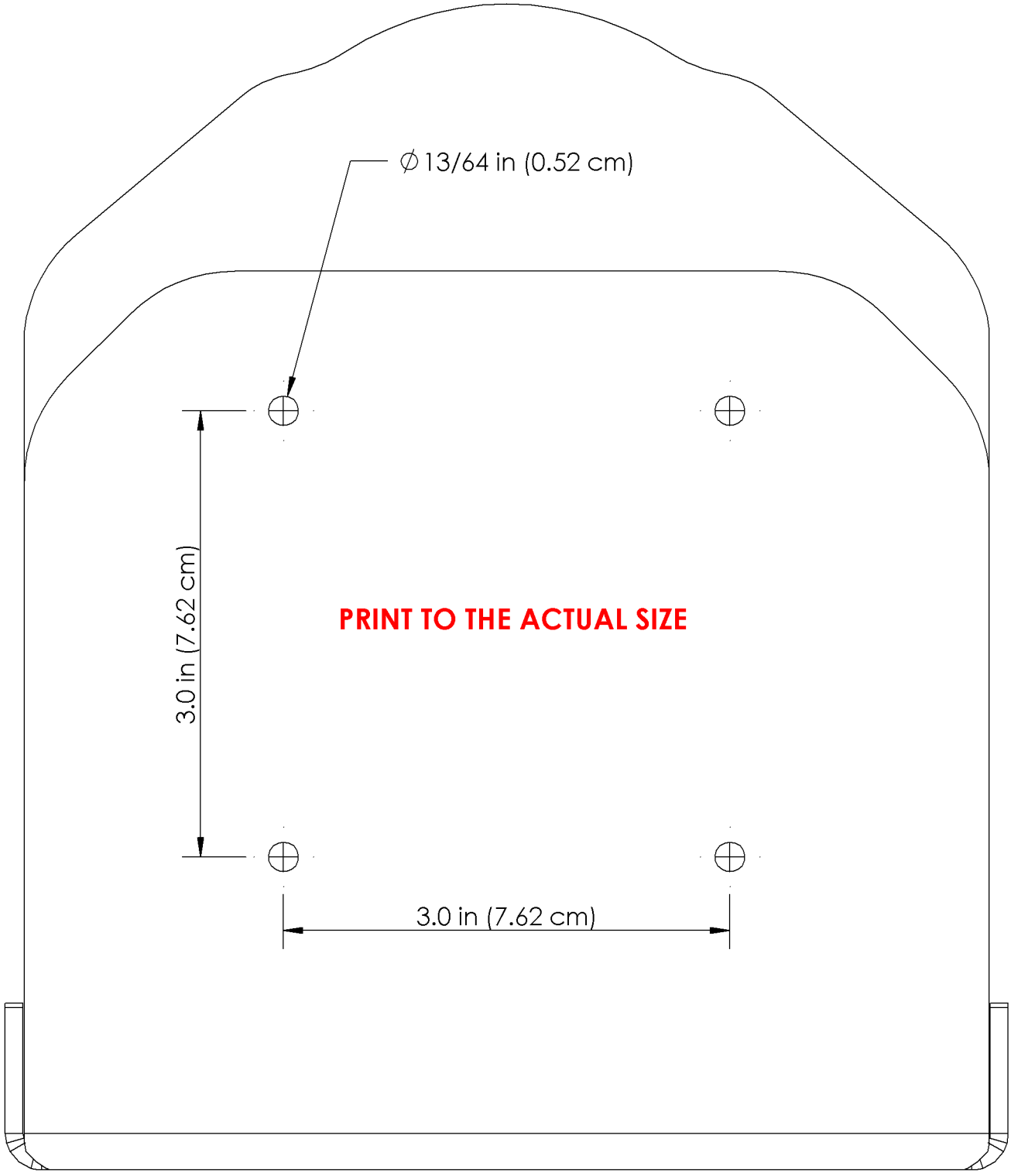
Drilling Template – Install a Flex Adapter Shelf on a Counter Top/Crash Cart



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