



TECHNIMOUNT
EMS®

SAFETY MD-TRANSPORTER®

USER MANUAL



SAFETY AND FLEXIBILITY
WHERE IT MATTERS MOST

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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

This 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), maintenance, training and skills assessment of the EMS and clinical personnel, as well as specific user-related information to safely and effectively operate the Safety MD-Transporter.

Please read the user manual thoroughly to fully assess, comprehend, then relay its content to EMS and clinical personnel 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 Safety MD-Transporter is a mounting system designed to aid trained EMS and clinical personnel secure and transport the medical devices and accessories on stretchers during air and ground emergency medical services and critical care transport.

1.2. User Competency

To safely operate the Safety MD-Transporter, personnel must have the required skill level to comply with their function and level of interaction with the mounting system. Training should be given to EMS and clinical personnel prior to them using the Safety MD-Transporter. Refer to the « Skills Assessment of the EMS and Clinical Personnel » section on page 26 to evaluate their competency.



Indicates who the content is intended for and the level of competency required. The definitions of the three (3) or four (4) levels of competency are specified below.

- **Competent (trained EMS and clinical personnel):** 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 EMS and Clinical Personnel » section on page 26).

NOTE : Any member of the EMS and clinical personnel who has not received the required training and lacks the knowledge needed to safely operate the mounting system must not use the product.

- **Proficient (administrator/manager/supervisor):** Has in-depth knowledge and product comprehension, and is familiar with standards and guidelines. Skilled to train the EMS and clinical personnel 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.

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 E.M.S. Holding 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

Technimount products are intended to secure in place medical devices only in the case of a single crash impact, or a single emergency landing, and must thereafter be immediately replaced. If the end user uses a Technimount product following a crash impact or emergency landing, it is at the end user's own risk, and Technimount will not be held liable.

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 "mounting system", is specifically designed to secure and transport medical devices and accessories on stretchers during air and ground emergency medical services and critical care transport, and should only be used to fulfill 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.

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 » section on page 8 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: Restocking fees » table on page 8).

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.

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: Restocking fees ») 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.

2. General Safety Guidelines



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

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 the EMS and clinical personnel, and/or damage 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 before reading the « Safety Measures » section on page 11.

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 when a misuse of the Technimount product could result in injuries to the patients or EMS and clinical personnel, 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, EMS and clinical personnel, and/or to 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 EMS and clinical personnel. 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 maximum charge for a safe use of the product.

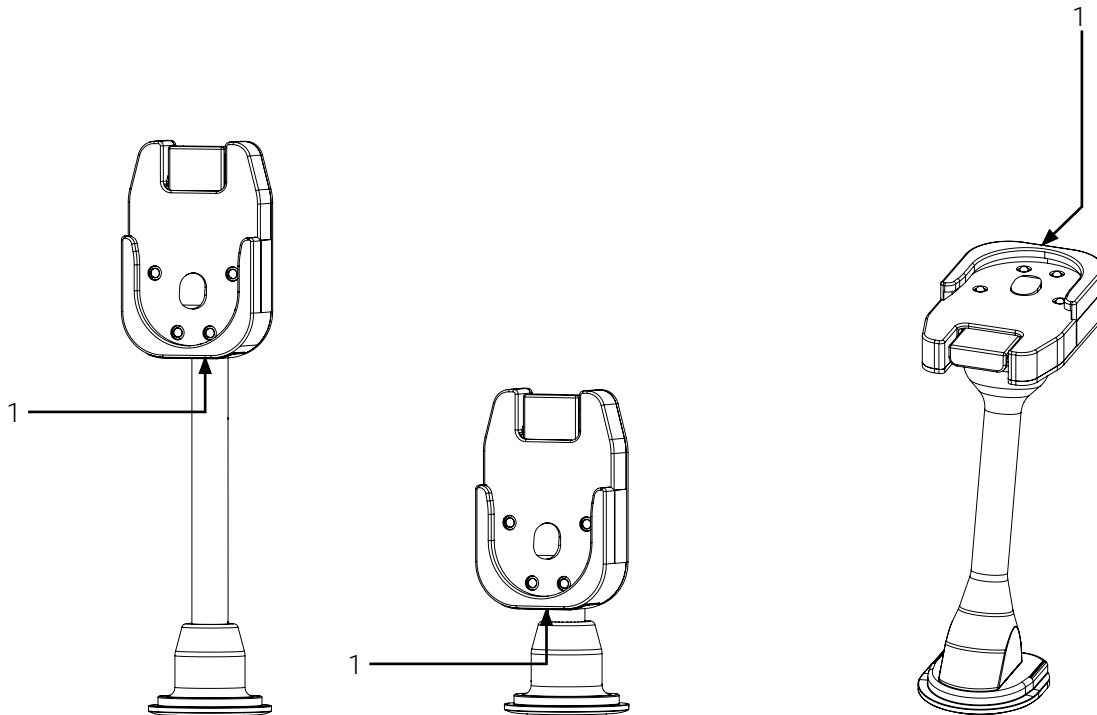


CAUTION – Follow Instructions for Use

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

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 numbers and the safe working load specifications (Figure 1), can be seen on the Technimount product.



1. Manufacturing label

Figure 1: Location of the manufacturing label

2.3. Safety Measures

Carefully read all the safety measures herein before operating the Technimount product, and always abide by all the safety guidelines identified within this document.

Specific safety measures relating to the safety checks and the conditioned-based maintenance, intended for personnel who have an advanced level of competency, can be found in the « Maintenance » section on page 29.



WARNING – Unauthorized Systems

- **Under no circumstances** should the Safety MD-Transporter be installed on, connected to, or used in combination with any third party/competitor mounting system, base, or similar equipment, unless Technimount has provided a formal written confirmation of compatibility for the specific configuration.
- The Safety MD-Transporter was engineered and tested exclusively for use with specific authorized and compatible Technimount components and systems. Using any unauthorized and/or incompatible system may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Technimount assumes no responsibility for any damage, malfunction, or injury arising from use of unauthorized or incompatible systems. Using any unauthorized and/or incompatible system may result in non-compliance with the applicable safety standards and will immediately void all warranties and liability coverage.
- Technimount products are intended for use only within their defined applications, including but not limited to, emergency medical services, critical care transport, and approved healthcare environments. Refer to the « Technical Specifications » section on page 13.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that your established internal protocols are updated and meet the technical specifications requirements herein (refer to the « Technical Specifications » section on page 13), as well as the local and regional compliance requirements before use.



WARNING – Risk of Injury

- **Do not use** the Safety MD-Transporter if there are any loose or missing screws, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Immediately stop using the Safety MD-Transporter if any serious incident occurs and inform authorized personnel, to contact the Technical Support at technicalsupport@technimount.com for a remedial action plan and to report the incident to the applicable regulatory agency.



CAUTION – Safe Handling and Operation

- Always ensure that the Safety MD-Transporter is correctly installed and secured in the mounting system before the stretcher is moved, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Always ensure that the mounting bracket of the medical device is correctly installed and secured in the Safety MD-Transporter before the stretcher is moved, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Always pay close attention **not to wedge** the power cords or tubing during the installation/removal of the mounting system and mounting bracket.

**CAUTION – Safe Practice**

- Always pay close attention to the safety mechanism of the Safety MD-Transporter to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel. Follow the recommended maintenance plan and its guidelines, as described in this user manual.
- Always practice safely operating the Safety MD-Transporter until the manipulations have been perfected, before use with patients. Improper use of the mounting system may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.

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

- **Do not overload or exceed** the total Safe Working Load (SWL) of the Safety MD-Transporter, to avoid tipping incidents or risks of collapsing. Refer to the « Technical Specifications » section on page 13 for the SWL.
- The Safe Working Load (SWL) of the Safety MD-Transporter **does not override** the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags and drawers for example. To comply with the SWL specification, the entire configuration should be taken into account. Refer to the user documentation of each product applicable to your specific configuration for specifications.

**CAUTION – Follow the Instruction for Use**

Always refer to your established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the Safety MD-Transporter, the mounting system, the mounting bracket, the medical device and the stretcher.

3. Technical Specifications



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Product Name	Safety MD-Transporter
Description	Mounting system specifically designed to secure and transport the medical devices and accessories on stretchers during air and ground emergency medical services and critical care transport
Product Codes	<ul style="list-style-type: none"> - Safety MD-Transporter (ground transport, vertical, standard) – 540-10-OL13 and anti-rotation Micro Base (vertical) – 120-20-UN - Safety MD-Transporter (air transport, vertical, standard) – 540-00-OL15-FL and anti-rotation Micro Base (vertical) – 120-20-UN - Safety MD-Transporter (ground transport, vertical, short) – 540-10-OL08 and anti-rotation Micro Base (vertical) – 120-20-UN - Safety MD-Transporter (ground transport, horizontal, angular) – 540-10-OL14-ANG and Micro Base (horizontal) – 120-20-UN-510
Operating Environment	EMS/CCT (air and ground)
Compliances	<ul style="list-style-type: none"> - Safety MD-Transporter (ground transport, vertical, standard): Tested in compliance with SAE J3043 - Safety MD-Transporter (ground transport, vertical, short): Tested in compliance with SAE J3043 - Safety MD-Transporter (air transport, vertical, standard): Tested in compliance with 14 CFR 23.561 - Safety MD-Transporter (ground transport, horizontal, angular): Tested in compliance with SAE J3043
Expected Service Life	5 years
Compatible Stretchers	<ul style="list-style-type: none"> - Stryker Power-Pro XT, models 6085-6086, 6500 and 6505 - Stryker Power-Pro 2
Compatible Mounting Systems	<ul style="list-style-type: none"> - Micro Base (air and/or ground transport, horizontal) - IV Pro Adapter 2-SMDT (ground transport, horizontal)
Compatible Mounting Brackets	Bracket Pro Serie product line with micro discs and/or anti-rotation micro discs
Dimensions (W X D X H)	<ul style="list-style-type: none"> - Safety MD-Transporter (vertical, standard): 100.08 mm X 86.36 mm X 479.04 mm (3.94 in. X 3.4 in. X 18.86 in.) - Safety MD-Transporter (vertical, short): 100.08 mm X 86.36 mm X 225.04 mm (3.94 in. X 3.4 in. X 8.86 in.) - Safety MD-Transporter (horizontal, angular): 100.08 mm X 151.13 mm X 282.7 mm (3.94 in. X 5.95 in. X 11.13 in.)

Weight	<ul style="list-style-type: none"> - Safety MD-Transporter (vertical, standard): 1.69 kg (3.72 lb) - Safety MD-Transporter (vertical, short): 1.34 kg (2.96 lb) - Safety MD-Transporter (horizontal, angular): 1.27 kg (2.8 lb)
Composition	Aluminum
Total Safe Working Load (SWL)	<ul style="list-style-type: none"> - Safety MD-Transporter (ground transport, vertical, standard): 18.6 kg (41 lb) - Safety MD-Transporter (air transport, vertical, standard): 14.56 kg (32.1 lb) - Safety MD-Transporter (ground transport, vertical, short): 18.6 kg (41 lb) - Safety MD-Transporter (ground transport, horizontal, angular): 11.34 kg (25 lb)
Operating Temperature	- 35° C to 45° C (- 31° F to 113° F)
Tested and Approved Cleaning Solutions	<ul style="list-style-type: none"> - 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
Options	<ul style="list-style-type: none"> - Micro Base (ground transport, horizontal) – 120-20-UN-510 - Micro Base (air transport, horizontal) – 120-20-UN-510-FL

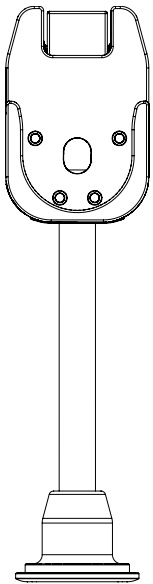
4. Orientation Illustrations



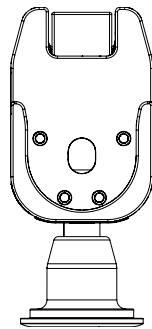
The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

NOTE : The orientations referenced herein are from the EMS and clinical personnel standpoint, when facing the Safety MD-Transporter.

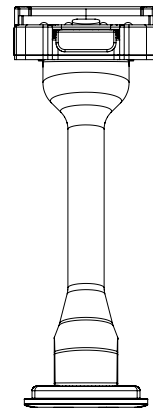
Front of the mounting system



Vertical, standard model

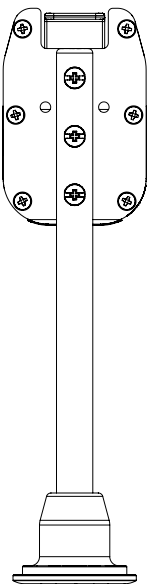


Vertical, short model

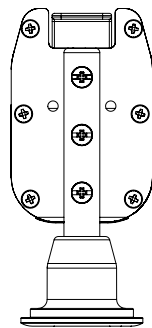


Horizontal, angular model

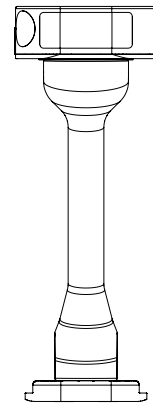
Back of the mounting system



Vertical, standard model



Vertical, short model



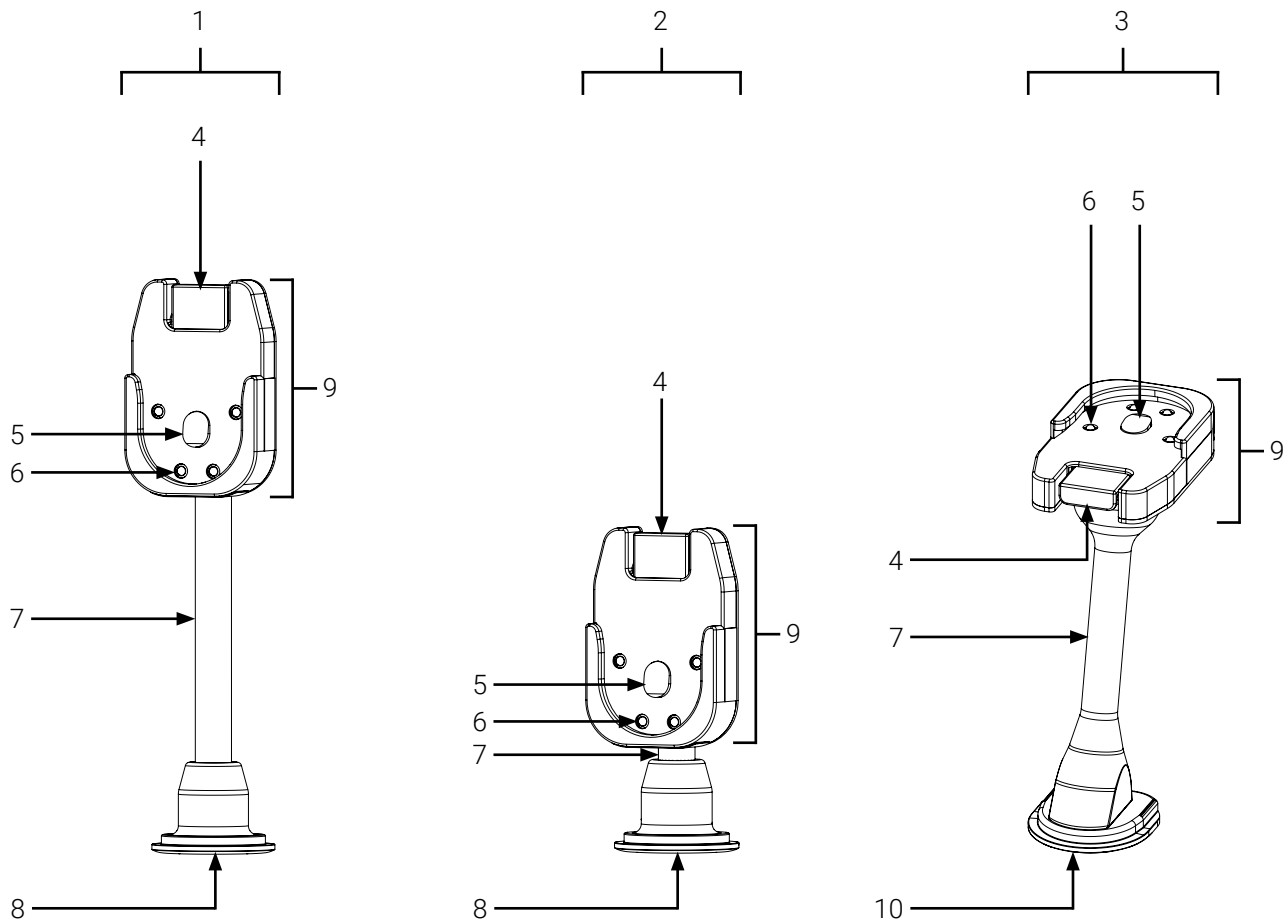
Horizontal, angular model

Figure 2: Safety MD-Transporter orientation illustrations

5. Illustrated Parts



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.



- | | |
|--|------------------------------|
| 1. Safety MD-Transporter (vertical, standard) | 6. Bearing (4X) |
| 2. Safety MD-Transporter (vertical, short) | 7. Post |
| 3. Safety MD-Transporter (horizontal, angular) | 8. Micro disc |
| 4. Quick release button | 9. Micro Base |
| 5. Locking mechanism | 10. Anti-rotation micro disc |

Figure 3: Safety MD-Transporter components

6. Illustrated Dimensions



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

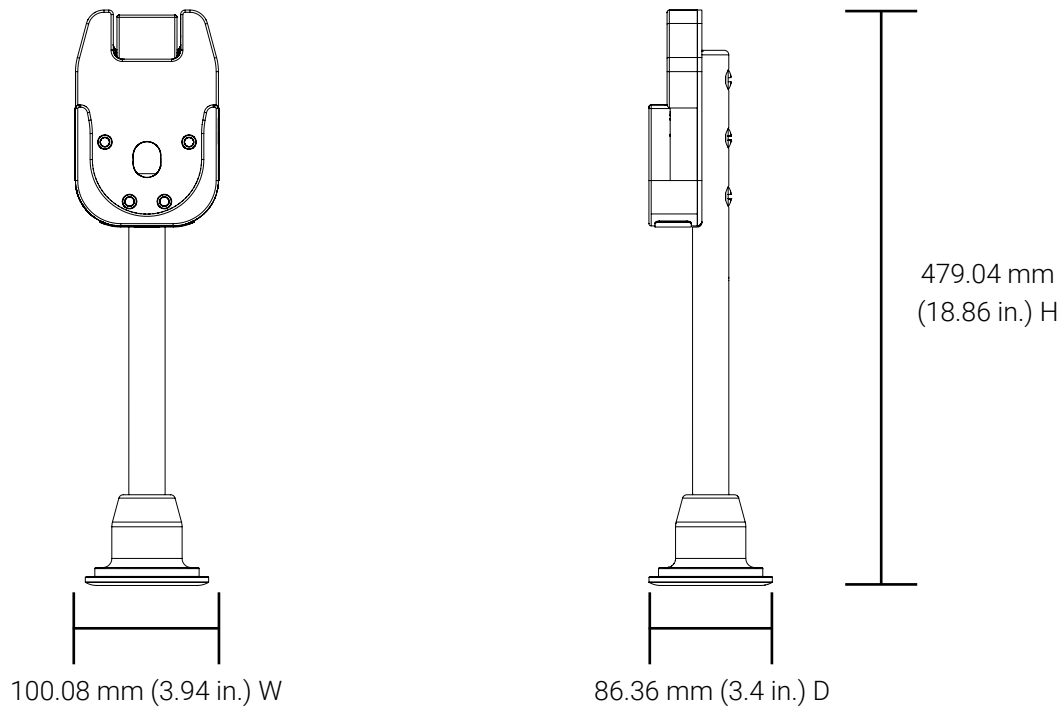


Figure 4: Safety MD-Transporter (vertical, standard) dimensions

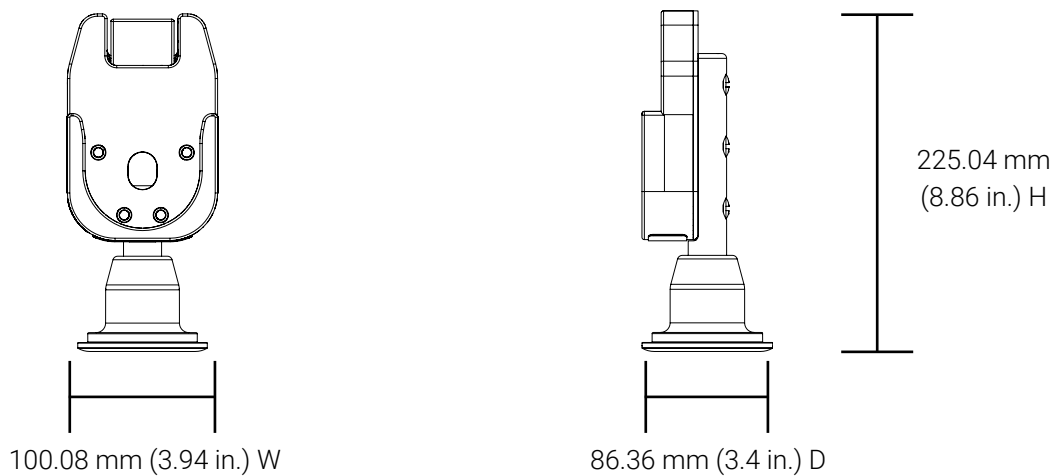


Figure 5: Safety MD-Transporter (vertical, short) dimensions

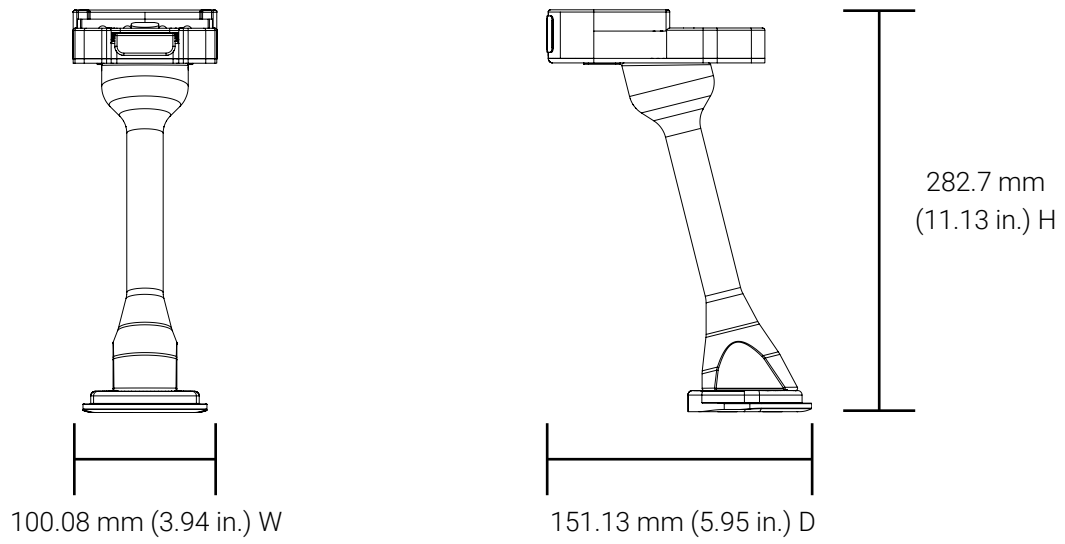


Figure 6: Safety MD-Transporter (horizontal, angular) dimensions

7. Safety Mechanism



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

The safety mechanism is composed of a locking mechanism and a quick release button. The safety mechanism activates when the disc of the mounting bracket is inserted in the Safety MD-Transporter. When the disc is pushed in the mounting system, it slides on the integrated plungers until the locking mechanism inserts the cavity of the disc. When the click sound is heard, the Safety MD-Transporter is locked and the mounting bracket is secured. Refer to the « Technical Specifications » section on page 13 for the compatible mounting brackets and/or to the « Safety Measures » section on page 11 if needed.

- **To lock** the Safety MD-Transporter, align and insert the micro disc located at the back of the mounting bracket in the Micro Base vertically (Figure 7) or the or anti-rotation micro disc located under the mounting bracket in the Micro Base horizontally (Figure 8) until you hear the click sound.

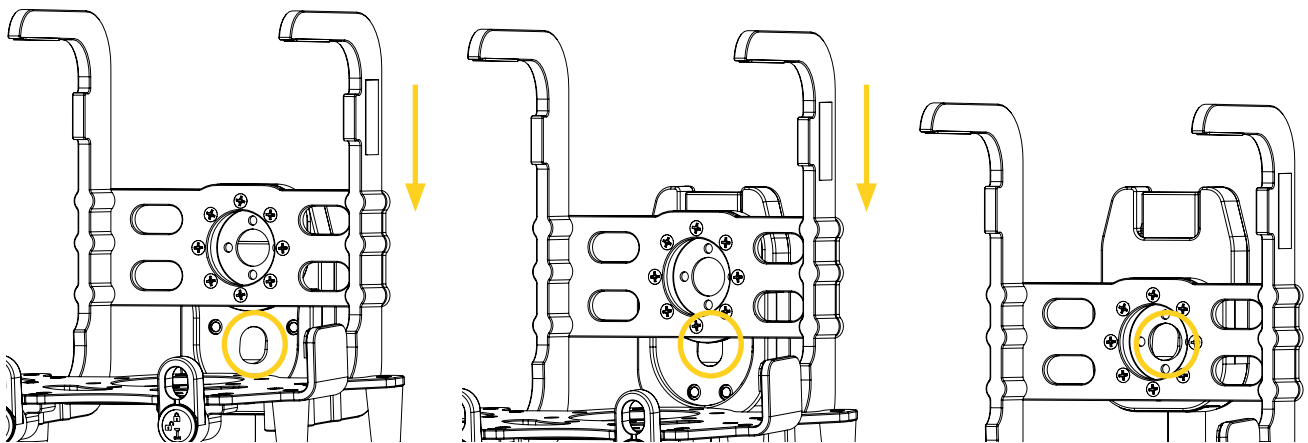


Figure 7: Locking the Safety MD-Transporter (vertical, standard/short)

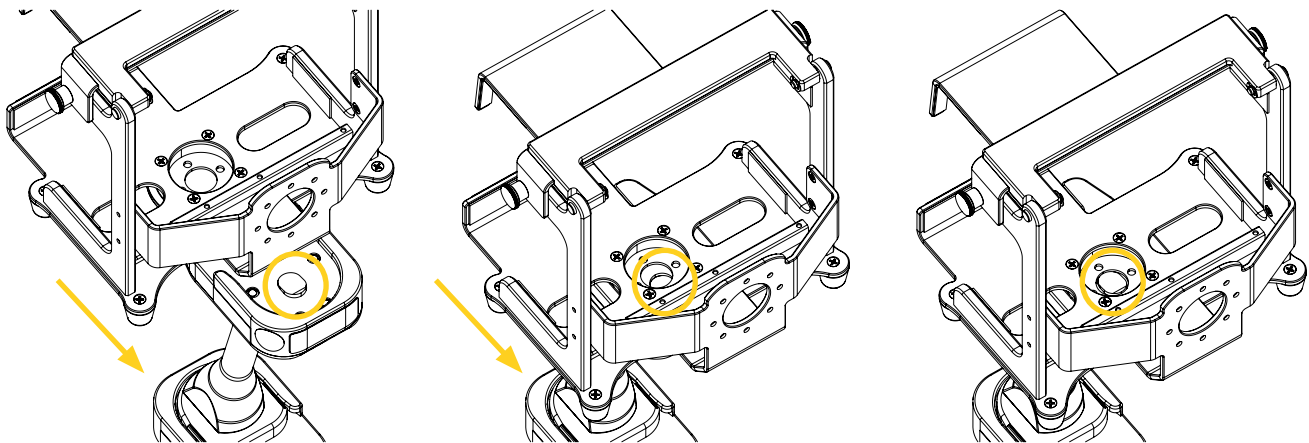


Figure 8: Locking the Safety MD-Transporter (horizontal, angular)

- **To unlock** the Safety MD-Transporter, press and hold the quick release button, then pull on the mounting bracket vertically (Figure 9) or horizontally (Figure 10) until the disc is out of the mounting system. Release the quick release button.

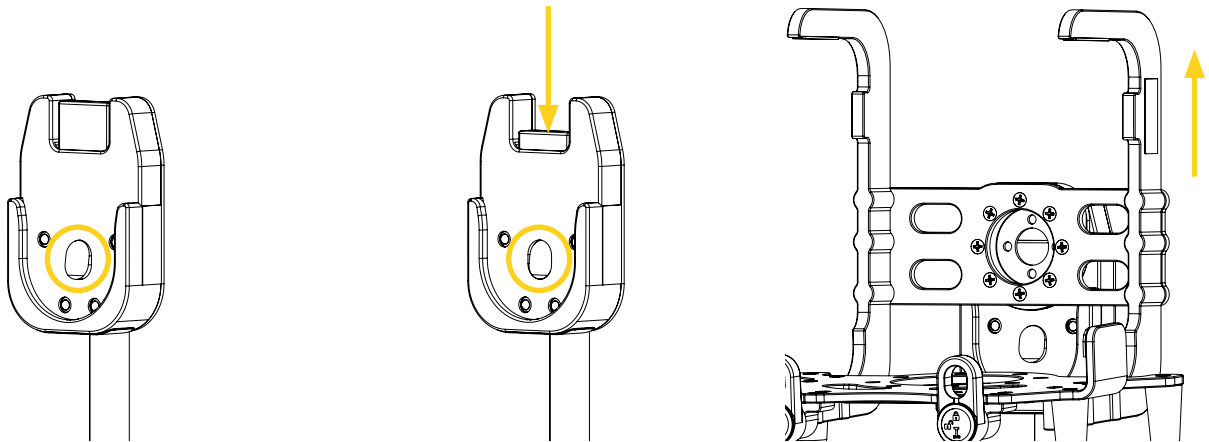


Figure 9: Unlocking the Safety MD-Transporter (vertical, standard/short)

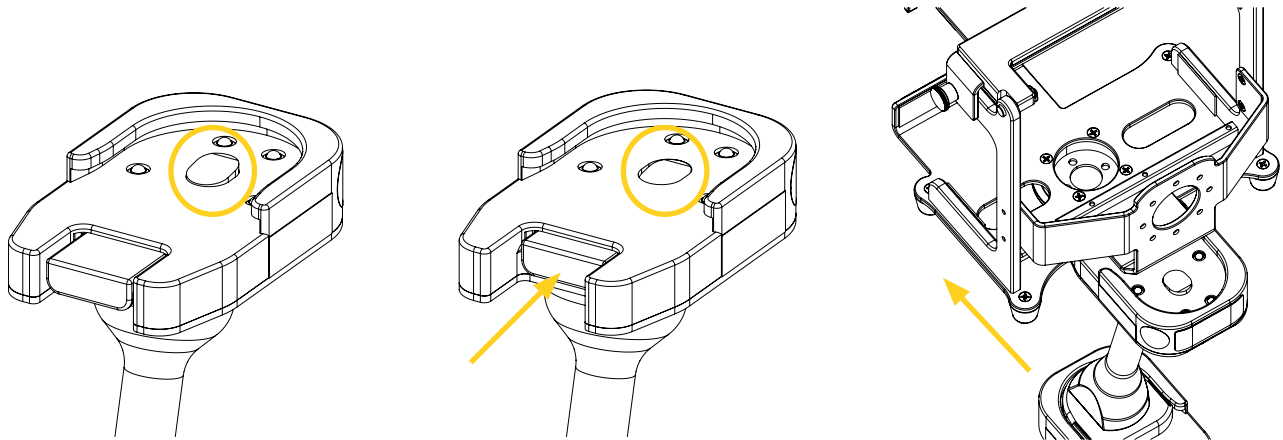


Figure 10: Unlocking the Safety MD-Transporter (horizontal, angular)

8. Operate the Safety MD-Transporter



The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

NOTE : The illustration herein are for user-comprehension purposes and may differ from your actual configuration. The instructions apply to any compatible mounting system and mounting bracket. Refer to their user documentation for the safety guidelines and safe use, if needed.

8.1. Install the Safety MD-Transporter in the Micro Base

1. Align and insert the micro disc (Figure 11) or anti-rotation micro disc (Figure 12) of the Safety MD-Transporter in the Micro Base horizontally until it locks. Refer to the « Safety Mechanism » section on page 19 if needed.

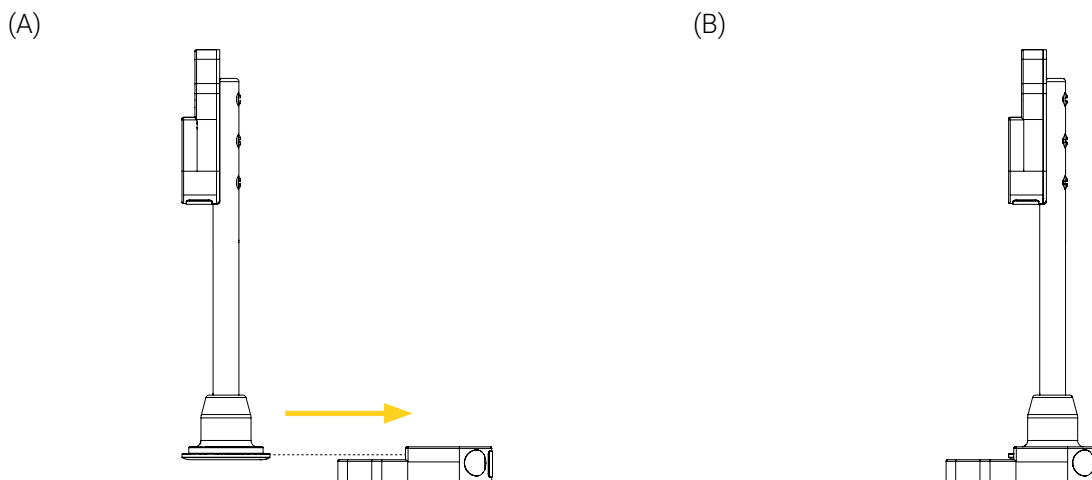


Figure 11: Installing the Safety MD-Transporter in the Micro Base (vertical, standard/short)

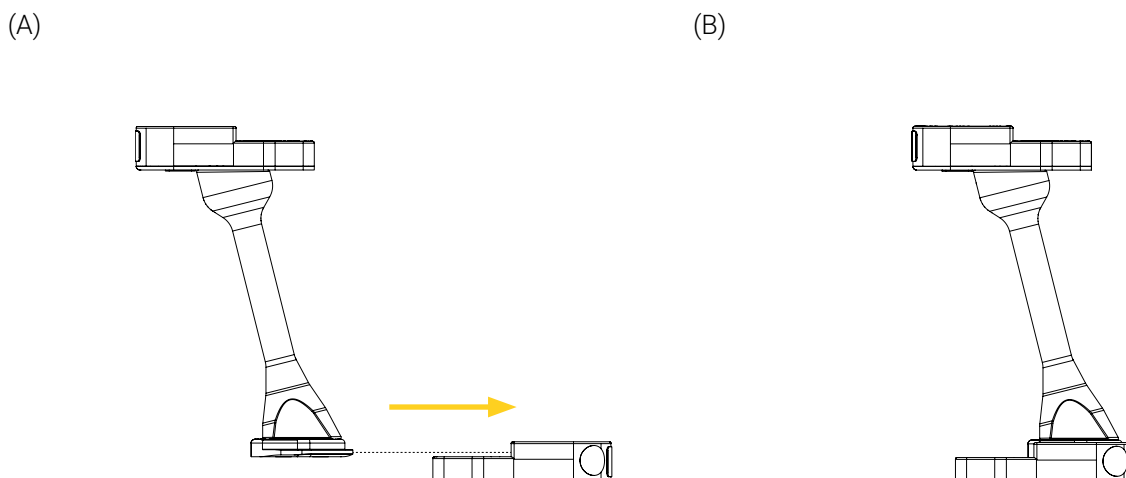


Figure 12: Installing the Safety MD-Transporter in the Micro Base (horizontal, angular)

2. Move the Safety MD-Transporter back and forth a few times to ensure it is locked and secured in the Micro Base. If the mounting system stays in the base after the verification, it is locked and secured.

The installation of the Safety MD-Transporter in the Micro Base is complete.

8.2. Remove the Safety MD-Transporter from the Micro Base

1. Press and hold the quick release button of the Micro Base, then slide the micro disc (Figure 13) or anti-rotation micro disc (Figure 14) of the Safety MD-Transporter out of the base horizontally.

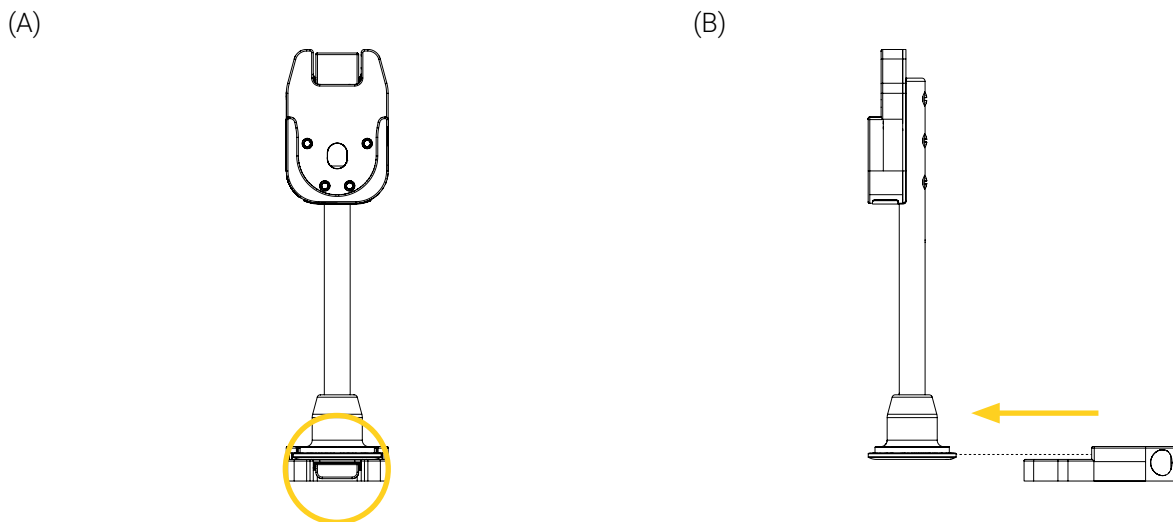


Figure 13: Removing the Safety MD-Transporter from the Micro Base (vertical, standard/short)

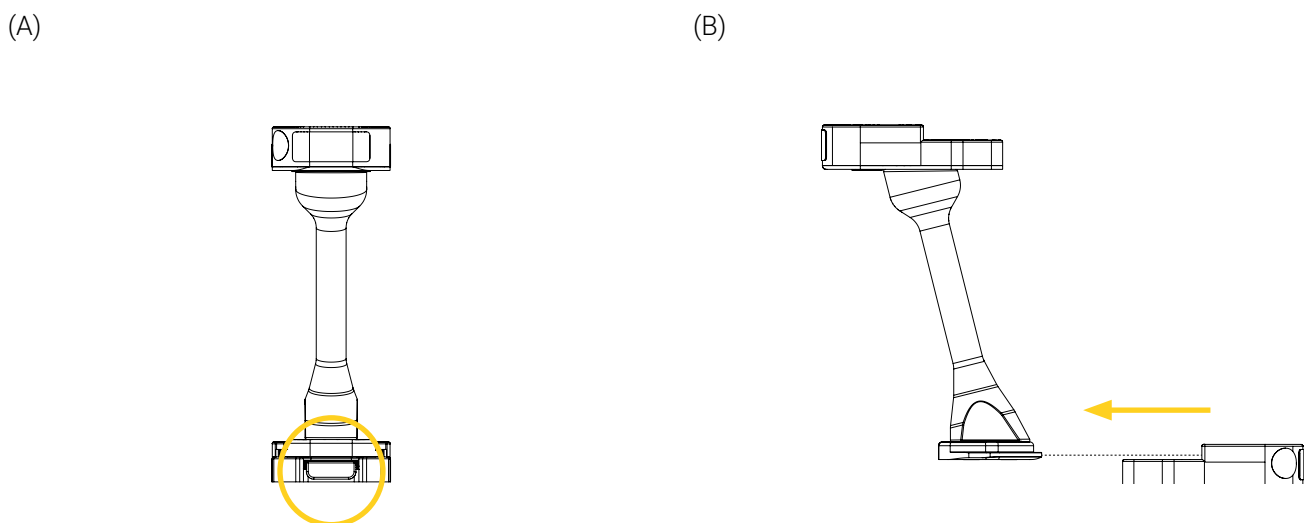


Figure 14: Removing the Safety MD-Transporter from the Micro Base (horizontal, angular)

2. Set the mounting system aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the Safety MD-Transporter from the Micro Base is complete.

8.3. Install the Medical Device in the Safety MD-Transporter

1. Align and insert the anti-rotation micro disc located at the back of the medical device's mounting bracket in the Safety MD-Transporter vertically (Figure 15) or located under the medical device's mounting bracket in the Safety MD-Transporter horizontally (Figure 16) until it locks.

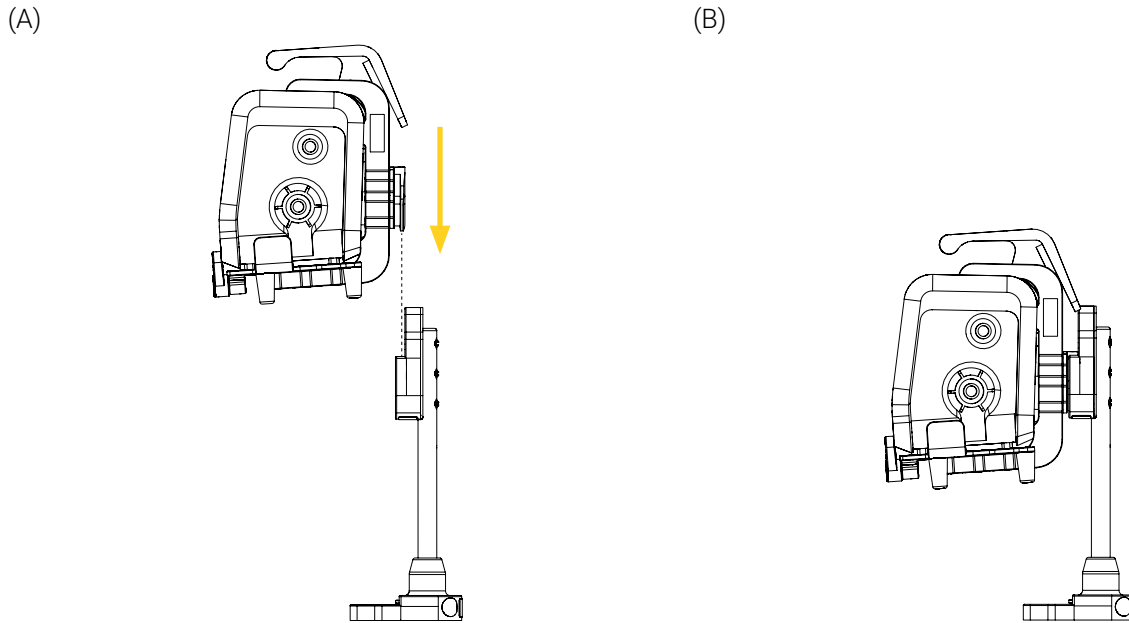


Figure 15: Installing the medical device in the Safety MD-Transporter (vertical, standard/short)

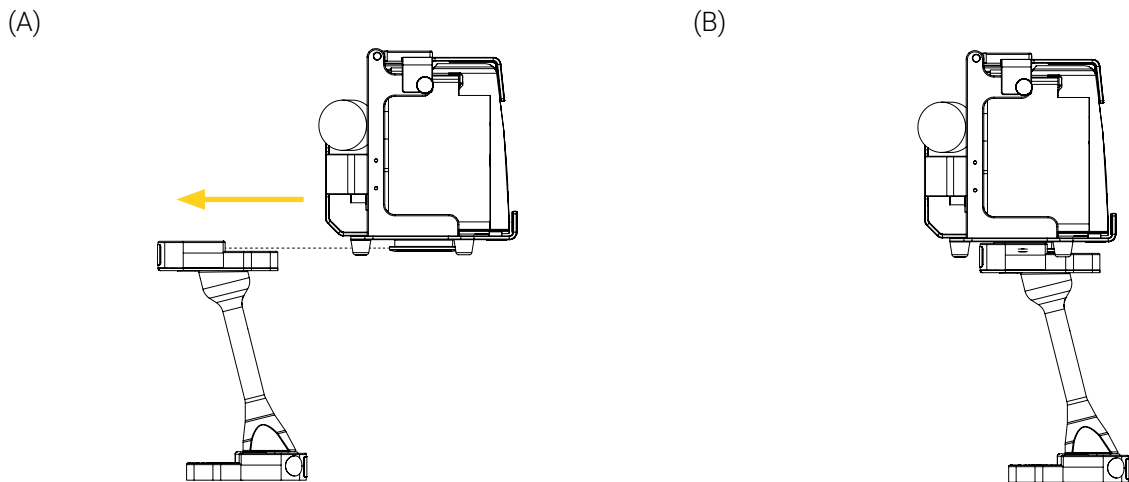


Figure 16: Installing the medical device in the Safety MD-Transporter (horizontal, angular)

2. Move the medical device up and down and/or back and forth a few times to ensure it is locked and secured in the Safety MD-Transporter. If the medical device stays in the mounting system after the verification, it is locked and secured.

- Turn the medical device up to 360° clockwise or counterclockwise to the desired position (Figure 17 or Figure 18).

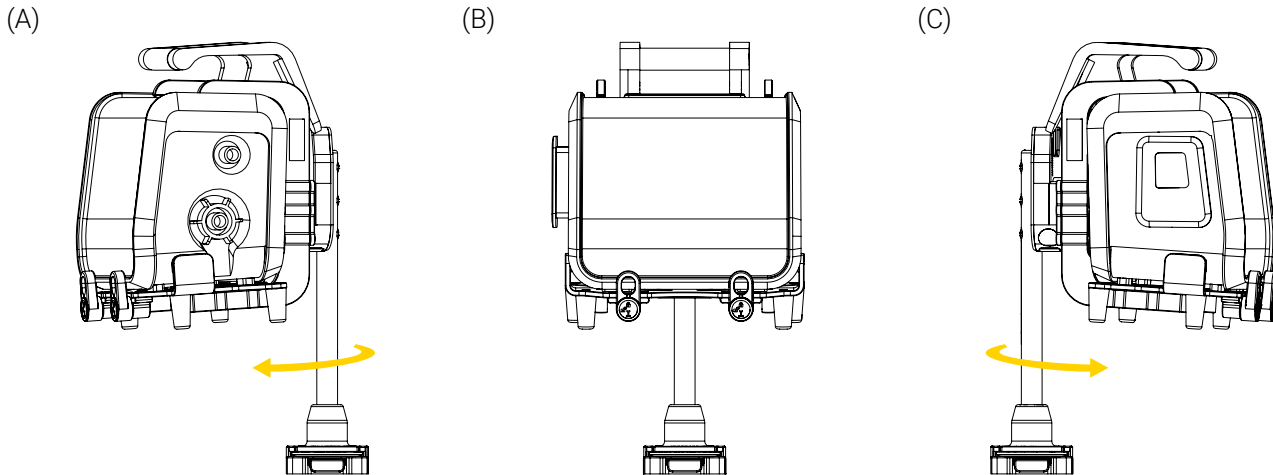


Figure 17: Rotating the medical device (vertical, standard/short)

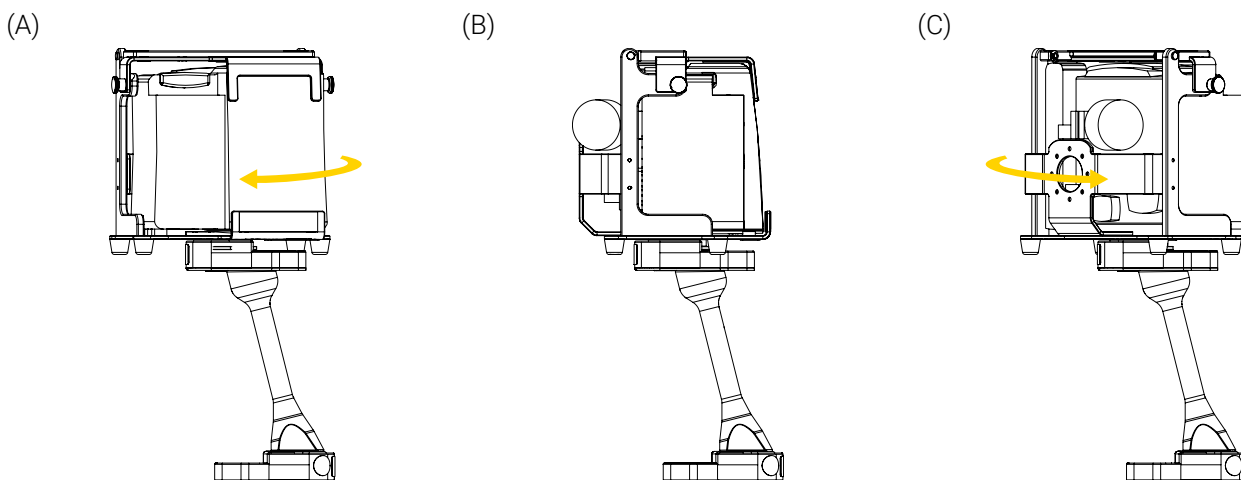


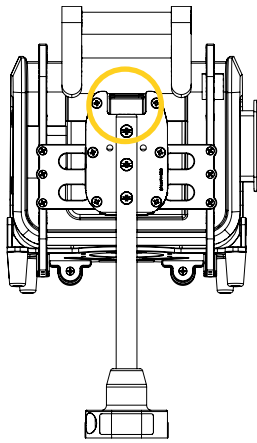
Figure 18: Rotating the medical device (horizontal, angular)

The installation of the medical device in the Safety MD-Transporter is complete.

8.4. Remove the Medical Device from the Safety MD-Transporter

1. Press and hold the quick release button of the Safety MD-Transporter, then pull the medical device's mounting bracket vertically (Figure 19) or horizontally (Figure 20) until the disc is out of the mounting system.

(A)



(B)

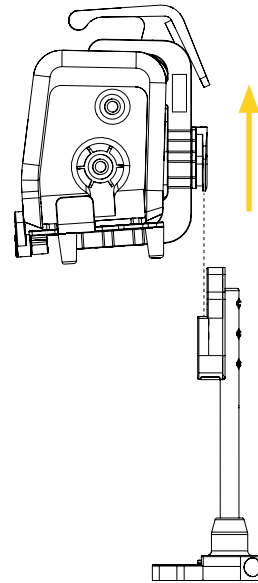
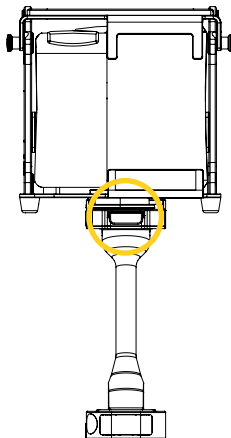


Figure 19: Removing the medical device from the Safety MD-Transporter (vertical, standard/short)

(A)



(B)

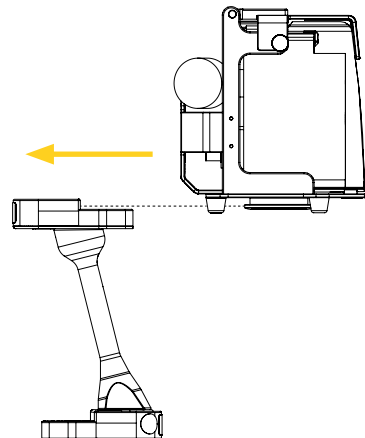


Figure 20: Removing the medical device from the Safety MD-Transporter (horizontal, angular)

2. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the medical device from the Safety MD-Transporter is complete.

Annex I Skills Assessment of the EMS and Clinical Personnel



The content in this section is intended for personnel who have a proficient level of competency. Refer to the « User Competency » section on page 5 if needed.

Following training, a skills assessment should be given to each member of the EMS and clinical personnel 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 Safety MD-Transporter. Consider adding the following to your internal training protocols.

Trainee name: _____ Unit: _____
 Assessor name: _____ Date: _____

SKILLS ASSESSMENT

SKILL CRITERIA

PASSED

FAILED

Labelling

- Able to identify meaning and potential risks associated with the different safety labels:
- Manufacturing label
- Safe Working Load (SWL)

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Safety Measures

- Knows that **under no circumstances** should the Safety MD-Transporter be installed on, connected to, or used in combination with any third party/competitor mounting system, base, or similar equipment.
- Knows that the Safety MD-Transporter was engineered and tested exclusively for use with specific authorized and compatible Technimount components and systems and that using any unauthorized and/or incompatible system may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Knows **not to use** the Safety MD-Transporter if there are any loose or missing screws.
- Knows to immediately stop using the Safety MD-Transporter if any serious incident occurs and to inform authorized personnel.
- Knows to always ensure that the Safety MD-Transporter is correctly installed and secured in the mounting system before the stretcher is moved.
- Knows to always ensure that the mounting bracket of the medical device is correctly installed and secured in the Safety MD-Transporter before the stretcher is moved.

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

SKILLS ASSESSMENT

SKILL CRITERIA	PASSED	FAILED
- Knows to always pay close attention not to wedge the power cords or tubing during the installation/removal of the mounting system and mounting bracket.	<input type="checkbox"/>	<input type="checkbox"/>
- Knows to always pay close attention to the safety mechanism of the Safety MD-Transporter.	<input type="checkbox"/>	<input type="checkbox"/>
- Knows to always practice safely operating the Safety MD-Transporter until the manipulations have been perfected, before use with patients and that improper use of the mounting system may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.	<input type="checkbox"/>	<input type="checkbox"/>
- Knows not to overload or exceed the total Safe Working Load (SWL) of the Safety MD-Transporter.	<input type="checkbox"/>	<input type="checkbox"/>
- Knows that the Safe Working Load (SWL) of the Safety MD-Transporter does not override the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags and drawers for example.	<input type="checkbox"/>	<input type="checkbox"/>
- Knows to always refer to your established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the Safety MD-Transporter, the mounting system, the mounting bracket, the medical device and the stretcher.	<input type="checkbox"/>	<input type="checkbox"/>
Operation		
- Able to install/remove the Safety MD-Transporter in/from the Micro Base.	<input type="checkbox"/>	<input type="checkbox"/>
- Able to install/remove the medical device in/from the Safety MD-Transporter.	<input type="checkbox"/>	<input type="checkbox"/>
- Able to rotate the medical device.	<input type="checkbox"/>	<input type="checkbox"/>

Annex II Unpack the Safety MD-Transporter



The content in this section is intended for personnel who have an advanced or expert level of competency. Refer to the « User Competency » section on page 5 if needed.

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 the items included in the shipping box(es), then set them aside.
6. Inspect the items for signs of damage. Take pictures and report them promptly if applicable.

Annex III Maintenance



The content in this section is intended for personnel who have an advanced or expert level of competency. Refer to the « User Competency » section on page 5 if needed.

Factors such as weather, environment, geographical location and individual usage will necessitate different needs. For the maintenance of the Safety MD-Transporter, 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** the safety checks or the condition-based maintenance before having read the entire « Safety Measures » section on page 11 and the maintenance specific safety measures in this section, having read the entire content of this user manual, having gained in-depth knowledge and product comprehension, as well as having 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 EMS and clinical personnel 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 35). 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 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 82° C (180° F). 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 609.6 mm (24 in.) from the product.
- When cleaning, always use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.).

**CAUTION – Corrosion**

- Always rinse and dry the Safety MD-Transporter components 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 Safety MD-Transporter in optimal conditions.
- Decontaminate the Safety MD-Transporter as recommended in your established internal protocols, as well as the regulations and standards in virtue of the infection prevention and control procedures.

Customer-Provided Tools

- Clean and dry cloth
- Soft brush
- Pressure washer
- Cleaning solutions
- Phillips-head screwdriver
- High strength thread lock adhesive (🔥)

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

Maintenance Plan

1. Check the boxes upon completion of the « Safety Checks » section on page 31 and the « Condition-Based Maintenance » section on page 32, then add your comments and/or observations in the « Maintenance Log » section on page 33 if needed. In case of a non-conformity, immediately stop using the Safety MD-Transporter and contact Technical Support at techsupport@technimount.com for a remedial action plan.
2. Keep records of your maintenance activities.

SAFETY CHECKS

CHECKED

Safety MD-Transporter (Figure 21)

- Visually inspect all the components of the Safety MD-Transporter to ensure that the hardware is in good condition and there are no loose screws.
 - *If the hardware is not in good condition, replace it. Contact Technical Support if needed.*
 - *If the screws are loose, tighten them. Refer to the Micro Base User Manual.*
- Visually inspect all the components of the Safety MD-Transporter to ensure there is no chemical attack.
 - *If there are traces of chemical attack, clean the mounting system. Refer to the « Condition-Based Maintenance » section on page 32 if needed.*
- Press and release the locking mechanism a few times to ensure proper functioning of the safety mechanism of the Safety MD-Transporter.
 - *If the locking mechanism does not easily insert or a resistance is felt when it is pressed, there is a non-conformity.*
 - *If the locking mechanism does not retract easily or to a minimum of 1/8 in. (H) when it is release, there is a non-conformity.*
- Press and release the quick release button a few times to ensure proper functioning of the safety mechanism of the Safety MD-Transporter.
 - *If the button does not easily insert or a resistance is felt when it is pressed, there is a non-conformity.*
 - *If the button does not retract easily when it is release, there is a non-conformity.*
- Press and release each plunger a few times to ensure their proper functioning.
 - *If the plungers do not easily insert or remain stuck in the base when they are pressed, clean the mounting system and lubricate the plungers. Refer to the « Condition-Based Maintenance » section on page 32 if needed.*
- Install and remove the mounting bracket in the Safety MD-Transporter a few times to ensure proper functioning of the safety mechanism of the mounting system.
 - *If the disc of the mounting system does not easily insert in the base and does not lock, and/or cannot be easily removed when using the quick release button of the base, there is a non-conformity.*

SAFETY CHECKS	CHECKED
<ul style="list-style-type: none"> - Install the mounting bracket in the Safety MD-Transporter and turn it clockwise and counterclockwise a few times to ensure proper functioning of the mounting system's mechanism. <ul style="list-style-type: none"> • <i>If the mounting bracket does not easily rotate from left to right and you feel resistance when doing so, there is a non-conformity</i> 	<input type="checkbox"/>
<ul style="list-style-type: none"> - Install and remove the Safety MD-Transporter in/from the Micro Base a few times to ensure proper functioning of the safety mechanism of the mounting system. <ul style="list-style-type: none"> • <i>If the disc of the Safety MD-Transporter does not easily insert in the base and does not lock, and/or cannot be easily removed when using the quick release button of the base, there is a non-conformity.</i> 	<input type="checkbox"/>
<ul style="list-style-type: none"> - Look at the manufacturing label to ensure that specifications are still visible and that the Safety MD-Transporter has not passed its expected service life. Refer to the « Labels » section on page 10 and the « Technical Specifications » section on page 13 if needed. <ul style="list-style-type: none"> • <i>If the estimated period of safe and reliable use has passed, there is a non-conformity.</i> 	<input type="checkbox"/>

CONDITION-BASED MAINTENANCE	CHECKED
<p>Clean the Safety MD-Transporter, after you have completed the safety checks:</p> <ol style="list-style-type: none"> 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. <p style="margin-left: 40px;">NOTE : Avoid over saturation and ensure that the product does not sit on the surface of the Safety MD-Transporter components longer than recommended by the cleaner's manufacturer.</p> 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. 	<input type="checkbox"/>
<p>Clean the Micro Bases, after you have completed the condition-based maintenance of the Safety MD-Transporter.</p>	<input type="checkbox"/>

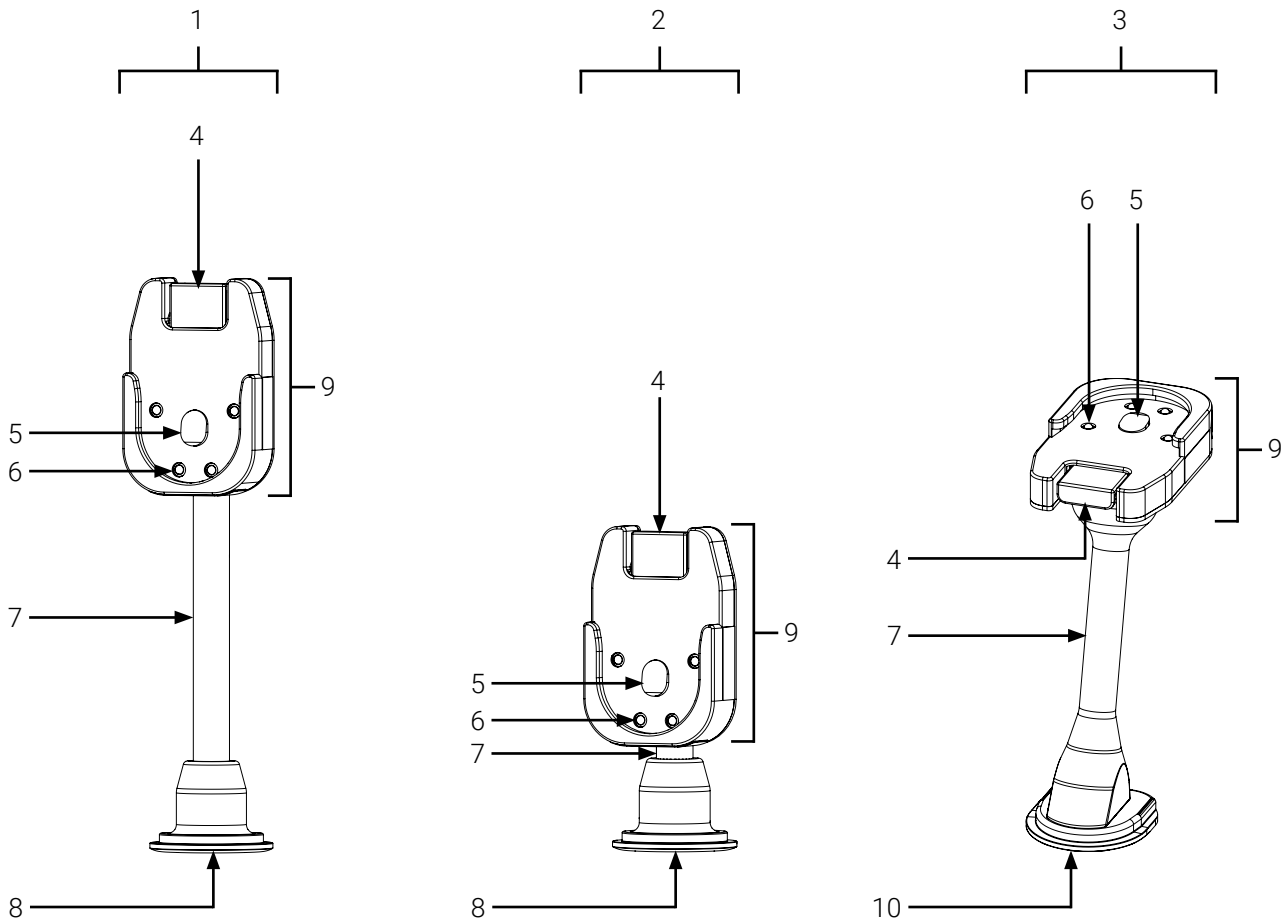
MAINTENANCE LOG

Add your comments and/or observations, after you have completed the safety checks and condition-based maintenance, if needed:

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

Maintenance plan completed by:

Illustrated Inspection Points



- | | |
|---|------------------------------|
| 1. Safety MD-Transporter (standard model) | 6. Bearing (4X) |
| 2. Safety MD-Transporter (short model) | 7. Post |
| 3. Safety MD-Transporter (angular model) | 8. Micro disc |
| 4. Quick release button | 9. Micro Base |
| 5. Locking mechanism | 10. Anti-rotation micro disc |

Figure 21: Illustrated inspection points

Annex IV Replacement Parts/Kits



The content in this section is intended for personnel who have a, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

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.

REFERENCE #	PART/KIT #	PART/KIT DESCRIPTION	REPLACEMENT PROCEDURE
N/A	N/A	N/A	N/A



TECHNIMOUNT
EMS[®]

SAFETY AND FLEXIBILITY
WHERE IT MATTERS MOST