



TECHNIMOUNT
EMS™

TECHNI-HARNESS

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

Intended for the purchaser / supervisor, this user manual contains detailed product information and was designed to assist with the unpacking, assembly (when indicated) and maintenance of the Techni-Harness mounting system. It's content should be relayed to EMS personnel during training. This document should be used with the operating guide, which contains specific user related information such as the operating procedures and the daily safety checks.

NOTE: Technimount continually seeks advancements in product design and quality. While this user manual contains the most updated product information available at the time of printing, it may contain minor differences with the current version. For more information, please contact Customer Service at customerservice@technimount.com.

1.1. Intended Use

The Techni-Harness is for the temporary transport of Type D or E gas cylinders on the Stryker Power-PRO XT stretcher siderail (excluding XPS siderail).

1.2. User Competency

The Techni-Harness is intended for EMS personnel who have received the proper training, necessary to operate the equipment in the field, according to its intended use, as per outlined in this user manual and operating guide. Please read all provided documentation thoroughly before using this equipment to ensure the safe operation of this equipment and provide a safe environment for patients and EMS personnel.

1.3. Warranties

1.3.1. Warranty Policy

This statement constitutes Technimount's entire warranty policy with regards to the Technimount products. Technimount makes no other warranty or representation, neither expressed nor implied, except as stated herein. There is no warranty of merchantability or warranties 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 equipment.

Technimount E.M.S. Holding Inc. (Technimount) 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 retain medical equipment in place in the case of a single crash impact. Technimount products must not be reused if involved in a crash and must thereafter be replaced. If the end user uses a Technimount product following a crash, it is at the end user's own risk. 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 has been disassembled or repaired by someone not authorized by "Technimount" or if the seal has been broken. 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.

The limited warranty 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" or "Bracket system" used for clipping and attaching medical equipment, 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 purchaser and administrator are responsible for providing proper training on the installation, operation, and maintenance of Technimount products to anyone susceptible of contact with the product prior to use.

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. Refer to section 1.4.4 for the detailed claim process.

1.4.2. Return Policy

Technimount's mounting and bracket systems for portable medical equipment 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 equipment on which it was intended to be installed onto.

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 in section 1.3.1 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) 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

Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury to the user or patient or cause damage to the equipment or other property. This includes the special care necessary for the safe and effective use of the device 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.

CAUTION - Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

Always read and abide by all the safety guidelines identified within this document.

2.1. Symbols and Definitions



WARNING - General warning

Alerts the reader of a potentially hazardous situation, which, if not avoided, may result in death or serious injury to the user or patient or cause damage to the equipment or other property. This includes the special care necessary for the safe and effective use of the equipment to avoid damage that may occur from use or misuse.



WARNING - Safe working load / Load balance

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



CAUTION - General mandatory action

Call for action. Alerts the reader to potential risk to people not following the mandatory action specified by the supplementary sign.

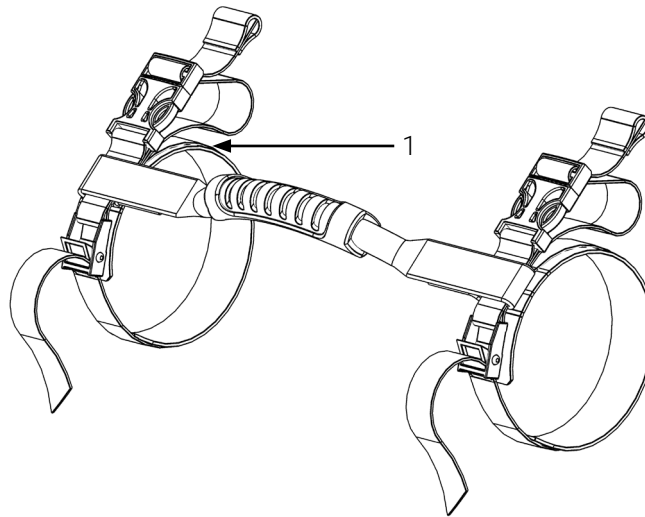


CAUTION - Follow instructions for use

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

2.2. Labels

Labelling (if applicable) on the surface of the Technimount product, quickly identify potential risks, and provides information to the user. A serial number (Figure 1) can be seen on the Technimount product.



1. Serial number

Figure 1: Location of the serial number

2.3. Safety Measures

Carefully read all safety measures herein before installing, operating or performing the maintenance of the Technimount product.



WARNING - Risk of injury

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. Product incompatibility could cause unpredictable functioning resulting in injury to the patients or EMS personnel.

**CAUTION - Safe handling and operation**

- This device is intended to support a gas cylinder during intra-hospital transport. This product is **not** intended to secure a gas cylinder during ambulance transport.
- This device allows for horizontal use of small size gas cylinders. Per OSHA and safety regulations, this position is not adequate for use with liquefied gas.
- This mounting solution is intended for horizontal installation; one (1) gas cylinder per siderail.
- The end user and administrator are responsible for providing proper training to any personnel susceptible of contact with the product prior to use. Installation, operation and maintenance should only be performed by trained personnel.
- Improper use of the Technimount product may damage the equipment or cause injury to the patients or EMS personnel.
- **Do not** modify the product, or any of its components and use only as per prescribed. Modifying the product or improper use could cause unpredictable functioning, resulting in injury to the patients or EMS personnel.

**CAUTION - Safe practice**

- Always pay close attention to the condition of the safety mechanisms and fixation points, to prevent undue risk to the equipment, patients and EMS personnel. Follow the recommended maintenance plan and its guidelines, as prescribed in the user manual and operating guide.
- Always ensure that the medical equipment is secured in the harness and that the locking mechanisms are functional before use.
- Always keep the user manual and operating guide within reach of the product, even if the equipment is subsequently sold, to prevent undue risk to the equipment, patients and EMS personnel. The user documentation is an integral part of the equipment.
- Practice installing, removing, and safely operating the medical equipment until the manipulations have been perfected, before use with patients. Improper use of any Technimount product may damage the equipment or cause injury to the patients or EMS personnel.

**CAUTION - Working load/Load balance**

The Safe Working Load (SWL) is 10 lbs (4.5 kg). Do not overload the system.

**CAUTION - Follow instructions for use**

- Always read and abide by all the safety guidelines identified, as well as follow instructions provided within this document.
- Refer to the manufacturer's user manual for safety precautions and user instructions for the safe use of the Type E or D gas cylinder.
- Refer to the stretcher's user manual for safety precautions and user instructions for the safe use of the Stryker Power-PRO XT.

3. Technical Specifications

Technical Specifications	Techni-Harness
Description	Type D or E gas cylinder harness for horizontal installation on the Stryker Power-PRO XT stretcher siderail (excluding XPS siderails)
Part Number	525-10-CY-TE24
Features	<ul style="list-style-type: none"> - Compatible for Type D or E gas cylinders - Ultra-lightweight and durable materials - Quick and easy installation and removal - Safe transport of the gas cylinder during intra-hospital transfers
Operating Environment	Hospital / Clinic
Expected Service Life	3 years
Compatible Stretcher¹	<ul style="list-style-type: none"> - Stryker Power-PRO XT stretcher - Hospital bed
Compatible medical equipment	Type D or E gas cylinders
Dimensions (W X D X H)	11 in. x 5 in. x 7 in. (27.94 cm x 12.7 cm x 17.78 cm)
Weight	0.42 lb (0.19 kg)
Composition	<ul style="list-style-type: none"> - Cam buckle: Zinc plated steel - Strap: Nylon - Handle: Urethane - Side release buckle: plastic
Safe Working Load (SWL)	10 lbs (4.5 kg)
Operating Temperature	- 31° F to 113° F (- 35° C to 45° C)
Installation	<ul style="list-style-type: none"> - Gas cylinder is installed in Techni-Harness and held by cam buckles - Techni-Harness installed horizontally on stretcher siderail and held by side release buckles
Model & Configuration Options	Contact Customer Service at customerservice@technimount.com

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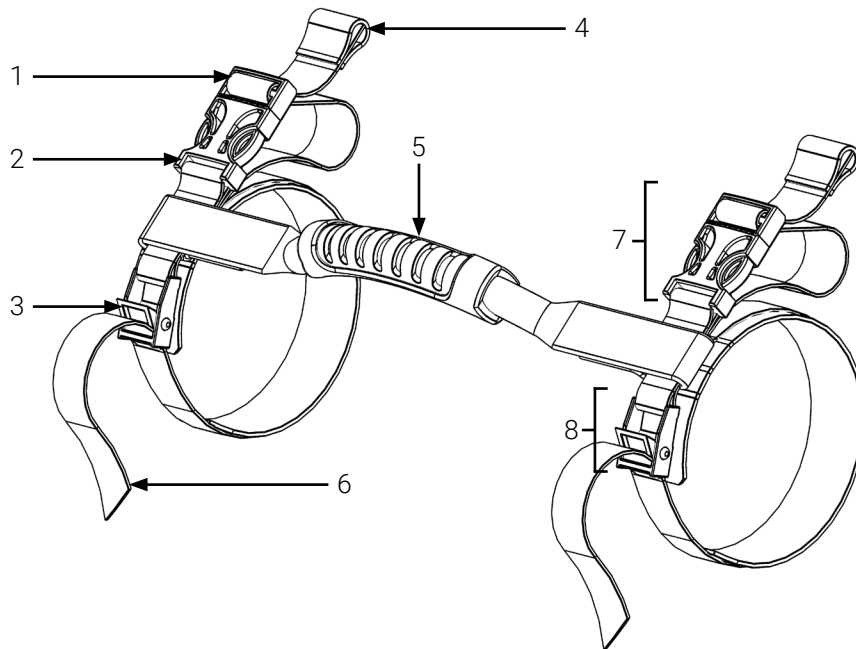
4. Unpack the Mounting System

1. Inspect the shipping box(s) for signs of damages, before accepting shipment. Take pictures and report them promptly if applicable.
2. Move the shipping box(s) to the location of the installation.
3. Open the shipping box(s).
4. Unpack the box(s) 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 installation, then set aside. Refer to Section 5 for the illustrated parts, if needed.
6. Inspect the items for signs of damages. Take pictures and report them promptly if applicable.

5. Techni-Harness Illustrated Parts



- | | |
|--|--------------------------------|
| 1. Male-end of the side release buckle | 4. Strap (side release buckle) |
| 2. Female side of the side release buckle Handle | 5. Handle |
| 3. Cam buckle lever | 6. Strap (cam buckle) |
| | 7. Side release buckle |
| | 8. Cam buckle |

Figure 2: Techni-Harness illustrated parts

6. Maintenance

Daily safety checks (refer to the Techni-Harness Operating Guide) and a condition-based maintenance plan (section 6.2) are required and should be established for all Technimount equipment. Factors such as weather, environment, geographical location, and individual usage will necessitate different needs. For the maintenance of the Techni-Harness, follow the guidelines listed in the user manual, operating guide and, in accordance with your service's current maintenance practices and protocols.

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

Please contact Customer Service at customerservice@technimount.com to ensure product options and availability, or Technical Support at techsupport@technimount.com for replacement parts or repair related issues.



WARNING - General warning

- **Do not** perform maintenance on Technimount products, before receiving proper training.
- Perform maintenance operations, as prescribed in the user manual. Failing to follow the recommended maintenance plan or its guidelines could cause premature damage to the product.
- Use the recommended parts, maintenance procedures, cleaning solutions and lubricants, as prescribed in the user manual. Using unapproved modified parts or procedures for the installation, operation, or maintenance of the Technimount product may cause the equipment to be unstable and could cause injury to the patients or EMS personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the Technical Specifications in Chapter 3 of this user manual). 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** steam clean or use ultrasonic cleaners on the system or any of its components.
- **Do not** immerse the metal parts/components in water.
- 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 pressure washer to clean the unit, the pressure nozzle must be kept a minimum of 24 in. (61 cm) from the unit.
- Always rinse and dry the Techni-Harness 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.



CAUTION - Corrosion

- Some cleaning products are corrosive in nature and may cause damage to the product if used improperly. When cleaning, always use appropriate personal protection equipment (PPE) based on established protocols (e.g., gloves, eyewear, etc.).
- Dispose of corrosive wastes according to the environmental laws that apply to your jurisdiction and consult the safety data sheets (SDS).

6.1. Required Tools

- Clean dry cloth
- Soft brush
- Power washer
- Sodium Thiosulfate solution

6.2. Condition-Based Maintenance Plan

Condition-based maintenance is carried out by the maintenance supervisor when the safety checks have revealed underlining issues that need immediate attention, and / or to prolong the longevity of the system in optimal conditions. The maintenance supervisor should perform condition-based maintenance minimally every three (3) months, or when required. In case of a non-conformity, immediately stop using the product and contact Technical Support at technicalsupport@technimount.com for a remedial action plan.

CONDITION-BASED MAINTENANCE		DONE	
TASKS		YES	NO
Perform the safety checks to get an overview of the system's overall current condition.		<input type="checkbox"/>	<input type="checkbox"/>
Clean the System		<input type="checkbox"/>	<input type="checkbox"/>
1. If needed, rough clean the Techni-Harness using a soft brush to remove grease and dirt.			
2. Remove the contaminants collected during the use of the product using a power washer.			
3. Clean using a solution of 0.13 oz / 3.70 ml Sodium Thiosulfate in 1 pt. / 0.5 L of warm water and clean cloth. For stains, spot clean applying the solution directly ont the stain and let stand on the surface.			
NOTE: Avoid over saturation and ensure that the product does not stay wet longer than the cleaner's manufacturer guidelines for proper disinfecting.			
4. Thoroughly rinse the solution with clean water and clean cloth, then towel dry all the components before returning to service.			

Condition-Based Maintenance completed on (dd/mm/yyyy) _____, by _____

Comments and observations:



DONE



TECHNIMOUNT

EMS™

Technimount EMS offers mounting solutions that can be installed on ambulance counters, walls and stretchers which allows for the equipment to follow the patient throughout the continuum of care. Our unparalleled level of flexibility allows for maximum operativity in EMS, hospital and military environments.

Technimount EMS is driven to offer innovative solutions that respond to the unique device management needs of emergency and Critical Care Transport (CCT) teams for ground and air ambulances. Safety is at the core of our values, all Technimount systems are tested in compliance with the highest industry standards for impact resistance. Technimount EMS is committed to evolving its solutions as healthcare practices evolve.

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