

BRH-678-MS **Multi-Stretcher Pedi-Mate**<sup>®</sup>

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Read this Manual and  
retain for future reference.



## Ferno Technical Support & Customer Service

Customer service and product support are important aspects of each Ferno product. For technical support questions:

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### Disclaimer

This manual contains general instructions for the use, operation and care of this product. The instructions are not all-inclusive. Safe and proper use of this product is solely at the discretion of the user. Safety information is included as a service for the user. All other safety measures taken by the user should be within and under consideration of applicable regulations. It is recommended that training on the proper use of this product be provided before using this product in an actual situation.

Retain this manual for future reference. Include it with the product in the event of transfer to new users. Additional free electronic copies are available upon request from Customer Service.

### Proprietary Notice

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## Table of Contents

<b>1 - SAFETY INFORMATION .....</b>	<b>4</b>
1.1 Warning.....	4
1.2 Important .....	4
1.3 Blood borne Disease Notice .....	4
1.4 Safety and Instruction Labels.....	4
1.5 Symbol Glossary.....	4
<b>2 - OPERATOR SKILLS &amp; TRAINING.....</b>	<b>5</b>
2.1 Skills.....	5
2.2 Training .....	5
<b>3 - ABOUT THE PEDI-MATE .....</b>	<b>6</b>
3.1 Pedi-Mate Description .....	6
3.2 General Specifications .....	6
<b>4 - USING THE PEDI-MATE .....</b>	<b>8</b>
4.1 Before placing the Pedi-Mate in Service .....	8
4.2 General guidelines for use.....	8
4.3 Preparing the cot and securing the Pedi-Mate to the cot.....	9
4.4 Loosening the harness straps .....	11
4.5 Releasing the patient from the Pedi-Mate harness.....	12
4.6 Storing the Pedi-Mate .....	12
<b>5 - MAINTENANCE.....</b>	<b>12</b>
5.1 Maintenance schedule .....	12
5.2 Disinfecting the Pedi-Mate.....	12
5.3 Cleaning the Pedi-Mate.....	12
5.4 Inspecting the Pedi-Mate .....	12
<b>6 - LIMITED WARRANTY SUMMARY.....</b>	<b>13</b>
<b>7 - FERNO CUSTOMER RELATIONS.....</b>	<b>13</b>
<b>TRAINING RECORD .....</b>	<b>14</b>
<b>MAINTENANCE RECORD.....</b>	<b>15</b>

## 1.1 Warning

Warning notices indicate a potentially hazardous situation which, if not avoided, could result in injury or death.

 <b>WARNING</b>
Untrained operators can cause injury or be injured. Permit only trained personnel to apply the Pedi-Mate.
Improper use of the Pedi-mate can cause injury. Use the Pedi-Mate only for the purpose described in this manual.
Improper application can cause injury. Apply the Pedi-Mate only as described in this manual.
An unattended patient can be injured. Stay with the patient at all times.
Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.
Improper maintenance can cause injury. Maintain the Pedi-Mate only as described in this manual.
Modifying the Pedi-Mate can cause injury and damage. Use the Pedi-Mate only as designed by Ferno.

## 1.2 Important

Important notices emphasize important usage or maintenance information.

**Important**

Disinfectants and cleaners containing bleach, phenolics, or iodines can damage the Pedi-Mate. Do not disinfect or clean the Pedi-Mate with products containing these chemicals.

## 1.3 Blood borne Disease Notice

To reduce the risk of exposure to blood borne diseases such as HIV-1 and hepatitis when using the Pedi-Mate, follow the disinfecting and cleaning instructions in this manual.

## 1.4 Safety and Instruction Labels

Safety and Instruction labels place important information from the Users' Manual on the Pedi-Mate.

## 1.5 Symbol Glossary

The symbols defined below appear in this users' manual. Ferno uses symbols recognised by the International Standards Organisation (ISO), the American National Standards Institute (ANSI) and the emergency medical services industry.



Indicates a general warning of potential injury. Specific warnings are indicated by the words or additional symbols used with the triangle symbol.



Use of the Pedi-Mate requires a minimum of one trained operator.



Read the Users' Manual



The Pedi-Mate load limit is minimum 4.5 kg and maximum 18 kg.

## 2.1 Skills

Operators using the Pedi-Mate need:

- ❑ A working knowledge of emergency patient-handling procedures
- ❑ The ability to assist the patient
- ❑ A complete understanding of the procedures described in this manual.

## 2.2 Training

Trainees need to:

- ❑ Follow a training program designed by their training officer.
- ❑ Read this manual. For additional free users' manuals, contact your Ferno distributor or Ferno Customer Relations
- ❑ Practice with the Pedi-Mate before using it in regular service
- ❑ Be tested on their understanding of the Pedi-Mate
- ❑ Record their training information. A sample training record sheet is provided on page 14



### **WARNING**

Untrained operators can cause injury or be injured.  
Permit only trained personnel to apply the Pedi-Mate.

## 3.1 Pedi-Mate Description

The Multi-Stretcher Pedi-Mate is designed to secure infants and toddlers from 4.5 kg to 18 kg. It can be securely attached to a wide range of cots without the need to attach to specific mount points.

The Pedi-Mate is for professional use by one or more trained operators. It is designed for use only in an emergency setting and only by suitable trained personnel. Where child restraint is needed outside of this setting, the transport vehicle should be fitted with restraints in accordance with applicable local standards and regulations.

The Pedi-Mate is not designed as an immobilisation device and should not be used to immobilise the patient or as part of an immobilisation system.

The Pedi-Mate has been dynamically crash tested with an 18 kg crash dummy to guidelines of the Australian/ New Zealand Standard AS/NZS 4535:1999 Ambulance Restraint Systems.

### FEATURES

The Multi-Stretcher Pedi-Mate offers safe restraint of children weighing 4.5 kg to 18 kg during cot transport. The Ferno Pedi-Mate rolls compactly allowing for ease of storage and quick retrieval. It is made from soft, lightweight, medical grade vinyl.

The six-point patient harness consists of three fixed non patient, webbing straps that secure the harness to the cots backrest and mainframe. It also has two over the shoulder straps that secure to a crotch strap with fast release buckle and an integral chest/torso strap with buckle and clasp. All patient straps are fully adjustable.

### COMPATIBLE COTS

The Multi-Stretcher Pedi-Mate can be fitted and used with cots that have manufacturer patient crash rated back rest and main frames that are applicable to local standards and regulations.

## 3.2 General Specifications

Open, Flat	Metric	Imperial
Width	48 cm	19"
Length	80 cm	31.5"
<b>Rolled</b>		
Diameter	10 cm	4"
Length	48 cm	19"
<b>Weight</b>	1.2 kg	2.6 lb
<b>Load Limit</b>		
Minimum	4.5 kg	10 lb
Maximum	18 kg	40 lb

Most general specifications are rounded to the nearest whole number.

For more information about the Pedi-Mate, contact Ferno Customer Relations or your Ferno distributor.

Ferno reserves the right to change specifications without notice.



**LOAD LIMIT**

Inspect the Pedi-Mate if the load limit has been exceeded.  
*(see Inspecting the Pedi-Mate)*



**WARNING**

Improper use of the Pedi-mate can cause injury. Use the Pedi-Mate only for the purpose described in this manual.



To request additional free Users' Manuals, please contact Ferno Customer Relations or download it at [www.ferno.com.au](http://www.ferno.com.au)

### 4.1 Before placing the Pedi-Mate in Service

- ❑ Personnel who will work with the Pedi-Mate need to read this manual and practice using the Pedi-Mate
- ❑ Confirm that the Pedi-Mate operates properly. Follow instructions in *Inspecting the Pedi-Mate*, page 12.

### 4.2 General guidelines for use

- ❑ Medical advice is beyond the parameters of this manual.
- ❑ It is the Pedi-Mate users' responsibility to ensure safe practices for the patient and themselves.
- ❑ It is the responsibility of qualified Emergency Medical Service personnel to assess the patient's condition and determine the proper equipment and procedures to use.
- ❑ Follow standard emergency patient-handling procedures when using the Pedi-Mate.
- ❑ Stay with the patient at all times.
- ❑ Always use the patient harness.
- ❑ Use the Pedi-Mate only when all elements are in good working order.
- ❑ Use the Pedi-Mate only with cots that have manufacturer patient crash rated back rest and main frames that are applicable to local standards and regulations.
- ❑ **NEVER** use the Pedi-Mate in the front seat of an ambulance.
- ❑ **NEVER** use the Pedi-Mate as an immobilisation device or as part of an immobilisation system.
- ❑ If the Pedi-Mate is in use at the time of a vehicular accident, remove the Pedi-Mate from service and replace it.



#### WARNING

Improper use of the Pedi-mate can cause injury. Use the Pedi-Mate only for the purpose described in this manual.



#### WARNING

An unattended patient can be injured. Stay with the patient at all times.



#### WARNING

Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.

### 4.3 Preparing the cot and securing the Pedi-Mate to the cot.

1. Remove any restraints attached to the cot.
2. Raise the cot backrest and lock it in place at an angle between 15 and 45 degrees. This will keep the patient's shoulders higher than the pelvis and maintain the proper centre of gravity.
3. Unroll the Pedi-Mate and spread it flat on the cot mattress, centre the orange back pad left to right on the mattress, unbuckle and align the two upper non patient straps (with U bracket) to the mid/upper point on the cot backrest. (Figure 1)
4. Position the metal U bracket on the upper non patient strap onto the side of the backrest frame and connect the clasp and buckle behind the backrest frame and tighten/adjust accordingly. NOTE: Ensure the straps for the harness mount points are not twisted. (Figures 2 and 3)



Fig 1: Pedi-Mate positioned on a cot, ready for securing



Fig 2: Position the U bracket onto the side of the backrest frame



Fig 3: Upper non patient strap tightened

5. Align the two lower non patient straps with the base of the cot backrest. Feed the two buckles around the both main frames and connect to the clasp and tighten/adjust accordingly. NOTE: Ensure the straps for the harness mount points are not twisted & the Pedi-Mate is centrally positioned. (Figures 4 and 5)



Fig 4: Lower non patient strap to a Ferno cot

6. Ensure Pedi-Mate is centrally positioned and securely in place. Undo and lengthen all patient straps, buckles and restraints so the Pedi-Mate is ready for patient. (Figure 6)



Fig 5: Lower non patient strap to a Stryker cot



Fig 6: Pedi-Mate securely in place

7. Place the patient on the Pedi-Mate so the integral chest/torso strap is aligned with the patient's chest.
8. Pull the shoulder straps over the patient's shoulders and position ready to connect to the crotch strap buckle. Attach and adjust chest clip as required for patient. (Figure 7)
9. Pull the crotch strap buckle up between the patient's legs and lay the strap on the patient's abdomen.
10. Connect the shoulder straps to the crotch strap buckle and adjust the shoulder straps until they are snug against the patient's shoulders. (Figure 8)
11. Fasten the chest restraints over the chest of the patient and adjust to a snug position on the patient. NOTE: the chest restraint should go under the patient's arms. (Figure 9)
12. The harness should safely secure the patient without causing discomfort or impairing circulation.
13. After fitting harness to patient, recheck that all harness fittings are still in correct positions and have not been dislodged.



Fig 7: Shoulder straps in place for crotch strap buckle



Fig 8: Shoulder and crotch strap fitted



Fig 9: Chest strap fitted



## WARNING

Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.

### 4.4 Loosening the harness straps

To loosen the patient straps, grasp the adjustment tabs with one hand and pull the strap back through the tab with your other hand.

#### 4.5 Releasing the patient from the Pedi-Mate harness

1. Loosen the two shoulder straps and chest strap.
2. Slide the chest clip down toward the central buckle and unthread the shoulder strap on the patient's left side from the clip.
3. Press the red release button in the central buckle and pull the buckle slightly downward to release the shoulder straps from the buckle.
4. Slide the shoulder straps away from the patient's body.
5. Lift the patient from the Pedi-Mate according to local protocols.

#### 4.6 Storing the Pedi-Mate

1. Detach the Pedi-Mate from the cot and spread it flat on the cot mattress.
2. Attach the shoulder straps to the central buckle and adjust all straps to lay smoothly against the vinyl back pad.
3. Fold the non adjustable stretcher straps neatly across the vinyl back pad.
4. Fold the crotch panel up toward the centre of the vinyl back pad and roll the Pedi-Mate upward.
5. Secure the roll with the hook and loop attached.

### 5 - MAINTENANCE

#### 5.1 Maintenance schedule

The Pedi-Mate requires regular maintenance. Set up and follow a maintenance schedule (see maintenance record sheet on page 15). The table below represents minimum intervals for maintenance. When using maintenance products, follow the manufacturers' directions and read the manufacturers' material safety data sheets.

MIN MAINTENANCE INTERVAL	EACH USE	AS NEEDED	EACH MONTH
Disinfecting	●		
Cleaning		●	
Inspecting		●	●

#### 5.2 Disinfecting the Pedi-Mate

Wipe or spray all surfaces of the Pedi-Mate and all straps with approved medical disinfectant. Follow the disinfectant manufacturer's directions for application and contact time.

#### 5.3 Cleaning the Pedi-Mate

Hand wash the Pedi-Mate vinyl back pad and all straps with warm, soapy water and a clean cloth or soft brush. Rinse with clear water. Dry the Pedi-Mate with a towel and allow the straps to air dry in a well ventilated area away from direct sunlight and heat. DO NOT immerse the buckles in water.

#### 5.4 Inspecting the Pedi-Mate

Have your service's equipment maintenance personnel inspect the Pedi-Mate. Follow the inspection checklist.

If the inspection shows damage or excessive wear, remove the Pedi-Mate from service. Ferno recommends that in addition to scheduled maintenance, operators perform a visual inspection each time the Pedi-Mate is used. If damage is noted, remove the Pedi-Mate from service immediately and replace it.

#### INSPECTION CHECKLIST

- Are all components present?
- Is the Pedi-Mate free of excessive wear?
- Is all stitching secure?
- Do the central buckle and adjustment tabs operate properly and smoothly?
- Are there cuts or tears in the vinyl back pad or straps?



#### WARNING

Improper maintenance can cause injury. Maintain the Pedi-Mate only as described in this manual.

Modifying the Pedi-Mate can cause injury and damage. Use the Pedi-Mate only as designed by Ferno.

#### Important

Disinfectants and cleaners containing bleach, phenolics, or iodines can damage the Pedi-Mate. Do not disinfect or clean the Pedi-Mate with products containing these chemicals.

If the Pedi-Mate is in use at the time of a vehicular accident, remove the Pedi-Mate from service and replace it.

Ferno products are warranted to be free from defects in material and workmanship for a period of one year, except:

- » External finishes (gelcoat, paint, powdercoat, decals, etc.) are warranted for 90 days.
- » Soft goods (webbing, vinyl, fabric, foam, etc.) are warranted for 90 days.
- » Mortuary products (except hydraulic parts and soft goods) are warranted for 2 years.
- » Ambulance cots and ambulance transporters (except external nish and soft goods) are warranted for 2 years.
- » EZ Glide™ Chairs are warranted for 2 years.
- » EMS bags (replaceable bottom excluded) and backboards are warranted for lifetime replacement. (Damage caused by accident, abuse, misuse or improper care will be repaired at a reasonable charge for which you will be informed prior to the repair work being done.)
- » Integrated Charging System (ICS) is warranted for two years.

### **Ferno repairs are warranted for 90 days from the date of repair.**

This limited warranty applies only when the product is used as described in the instructions provided. The warranty period begins when the product is shipped from Ferno or when you receive it if you have proof of delivery. Shipping charges are not covered by this limited warranty. Ferno is not liable for shipping damages or damages sustained through using the product.

Non-Ferno products sold by Ferno retain the product manufacturer's original warranties. Ferno offers no warranties of any kind additional to those of the product manufacturer, nor does Ferno assume any liability for products manufactured by others.

### **Limited Warranty Obligation**

If a product is proven defective, Ferno will repair or replace it, or, at our option, refund the item's purchase price. In no event is Ferno liable for more than the selling price of the product. The purchaser accepts these terms in lieu of all damages.

This is a summary of the limited warranty. The actual terms and conditions of the limited warranty, and the limitations of liability and disclaimers, are available upon request by calling 1800 804 647.

## 7 - FERNO CUSTOMER RELATIONS

Customer service and product support are important aspects of each Ferno product. Please have the date of manufacture of your Pedi-Mate available when calling Ferno Customer Relations, and include it in all written communications.

The coded date of manufacture is stamped on the Pedi-Mate label sewn to the back side of the Pedi-Mate vinyl back pad.

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