

Ferno Millennia™ Backboard



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**Users'
Manual**

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 to 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 copies are available upon request from Customer Service.

Proprietary Notice

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SECTION 1 - SAFETY INFORMATION

1.2 Warning

The following warnings appear in this manual or on the backboard.

WARNING

Improper use of the backboard can cause injury. Use the backboard only for the purpose described in this manual.

Untrained operators can cause injury or be injured. Permit only trained personnel to operate the backboard.

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

An unrestrained patient can fall off the backboard and be further injured. Use restraints to secure the patient on the backboard.

WARNING

Helpers can cause injury or be injured. Maintain control of the backboard and direct helpers.

Improper maintenance can cause injury. Maintain the backboard only as described in this manual.

1.3 Important

Boxes like the one below emphasize important information.

Important

Do **not** attempt to repair the backboard. Repairs can cause backboard performance to be unpredictable. Repairs will void the warranty.

SECTION 2 - LEARNING ABOUT THE BACKBOARD

2.1 Backboard Description

The Ferno® Millennia™ Backboard (backboard) is an emergency patient-handling device designed to provide rigid support while moving a patient with suspected spinal, hip, pelvic, or lower extremity injuries.

The backboard is for professional use by a minimum of two trained operators and two helpers.

Ferno offers the backboard in 16" and 18" widths.

The backboard is constructed of ABS plastic. Backboard features include a tapered foot end, handholds, speed-clip pins, and molded slots for mounting a head-immobilizer.

The backboard can be used for water rescue and vehicular extrication. It is maneuverable and light enough for use as a stretcher, and can be used with basket stretchers.

WARNING

Improper use of the backboard can cause injury. Use the backboard only for the purpose described in this manual.

2.2 General Specifications

Width	16 in.
Length	72 in.
Depth	1¾ in.
Weight	13 lb.
Maximum Load Limit	350 lb.

Width	18 in.
Length	72 in.
Depth	1¾ in.
Weight	14 lb.
Maximum Load Limit	350 lb.

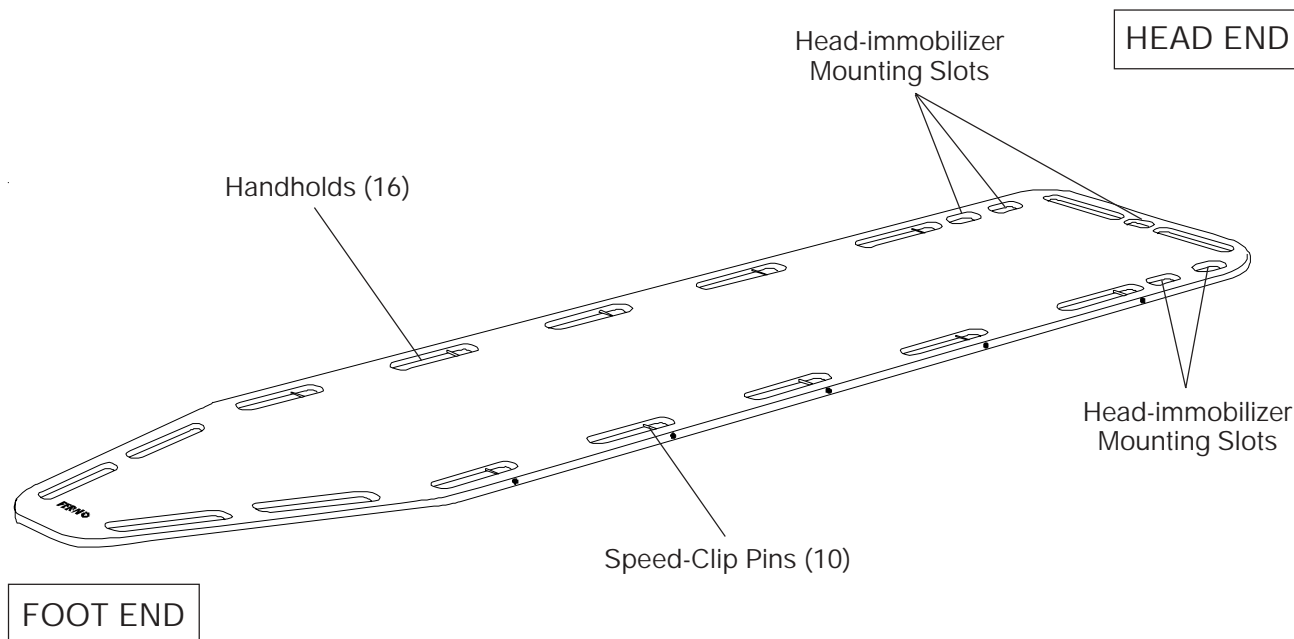
Specifications listed at left are general. For detailed specifications, contact Ferno Customer Service, page 9. Ferno reserves the right to change specifications without notice.



**350 lb.
Maximum
Load Limit**

If load limit has been exceeded,
inspect the backboard.

2.3 Components



2.4 Handholds

There are 16 handholds located around the edge of the backboard.

2.5 Head-Immobilizer Mounting Slots

There are 5 mounting slots for attaching a head immobilizer to the backboard.

2.6 Speed-Clip Pins

The 10 X-ray-translucent speed-clip pins are arranged to allow a variety of strapping configurations, and are offset to allow free use of handholds.

SECTION 3 - OPERATOR SKILLS AND TRAINING

3.1 Skills

- q Operators need a working knowledge of emergency patient-handling procedures.
- q Operators need the ability to assist the patient.
- q Operators need a complete understanding of the procedures described in this manual.

3.2 Training

- q Follow a training program designed by your training officer.
- q Read this manual.

- q Practice with the backboard before using it in regular service.
- q Test each trainee's understanding of the backboard.
- q Keep training records.

WARNING

Untrained operators can cause injury or be injured. Permit only trained personnel to operate the backboard.

SECTION 4 - USING THE BACKBOARD

4.1 Before Placing the Backboard in Service

1. Require all personnel who will work with the backboard to read this manual.
2. Assign appropriate personnel to inspect the backboard and confirm that it has been received in good order (see *Inspecting the Backboard*, page 8).

3. Follow standard emergency patient-handling procedures when using the backboard.
4. Stay with the patient at all times.
5. Always use patient restraints (not supplied).

4.2 General Guidelines for Use

1. Using the backboard requires a minimum of two trained operators and two helpers.
2. Operators may need help when working with heavy patients. For information about placement and direction of helpers, see *Using Additional Help*, page 7.

WARNING

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

WARNING

An unrestrained patient can fall off the backboard and be further injured. Use restraints to secure the patient on the backboard.

4.3 Applying the Backboard

1. Follow local EMS guidelines and procedures for stabilizing patient before placing him/her on backboard.
2. Apply any appropriate cervical or extrication collars for additional head and neck support.
3. Follow local EMS procedures for applying backboard.
4. Secure patient on backboard with restraints (not supplied).
5. Before moving backboard with patient on it, always check that restraints are properly arranged and restraint buckles are securely fastened.

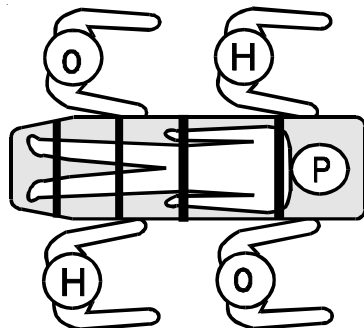
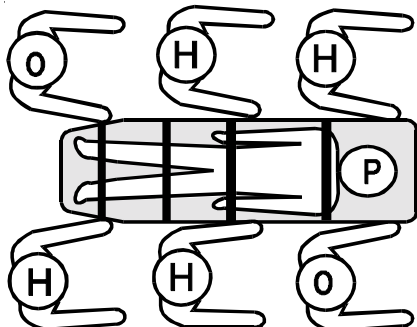
When using restraints with speed clips, check that speed clips are securely attached to speed-clip pins.

6. Use as many helpers as needed to safely lift and carry weight of backboard and patient. For placement and direction of helpers, see *Using Additional Help*, this page.

4.4 Using Additional Help

When lifting and carrying heavy patients, operators may need more than two helpers. Operators should maintain control of the backboard and direct the helpers.

The chart that follows shows suggested placement for operators and helpers.

Helpers	Lifting and Carrying
Two Operators + Two Helpers	
Two Operators + Four Helpers	



Maximum
load limit

If load limit has been exceeded, inspect the backboard.

⚠ WARNING

Helpers can cause injury or be injured. Maintain control of the backboard and direct helpers.

SECTION 5 - MAINTAINING THE BACKBOARD

5.1 Maintenance Schedule

The backboard requires regular maintenance. Set up and follow a maintenance schedule.

The following chart represents minimum maintenance.

	Each Use	As Needed	Each Month
Disinfecting (this page)	•		
Cleaning (this page)		•	
Inspecting (this page)		•	•

When using maintenance products, follow the manufacturers' directions and read the manufacturers' material safety data sheets.

To order Ferno disinfectants and cleaners, contact Ferno Customer Service, page 9.

WARNING

Improper maintenance can cause injury. Maintain the backboard only as described in this manual.

5.2 Disinfecting the Backboard

Wipe all surfaces with disinfectant. Follow disinfectant manufacturer's directions.

Ferno recommends inspecting the backboard for obvious damage as you disinfect it.

5.3 Cleaning the Backboard

1. Clean all surfaces of the backboard with warm water and a mild detergent. Use a stiff-bristled brush if necessary.
2. Rinse backboard with warm water.
3. Towel dry or allow to air dry.

5.4 Inspecting the Backboard

Have your service technician check the following:

- q Is the backboard free of cracks and crevices?
- q If your service uses speed clips, are all ten speed-clip pins solidly in place and free of cracks or damage?

If inspection shows damage, remove the backboard from service and destroy it to prevent accidental use of a damaged backboard.

Important

Do **not** attempt to repair the backboard. Repairs can cause backboard performance to be unpredictable. Repairs will void the warranty.

SECTION 6 - ACCESSORIES AND RELATED PRODUCTS

6.1 Accessories

Ferno offers a full line of accessories approved for use with the backboard.

Ferno also offers a full line of emergency products for the EMS professional.

To purchase accessories or other Ferno products, contact Ferno Customer Service, below.

Model #	Description
430	Restraint. Nylon webbing, metal buckle
430-P	Restraint. Polypropylene webbing, plastic buckle
439	Backboard Strap Kit
770	Fastrap Restraint System
773	Restraint Series
773-SC	Restraint Series with Speed Clips
445	Universal Head Immobilizer
453	Cervi VII™ Adjustable Extrication Collar
455	HeadHugger™ Disposable Head Immobilizer

SECTION 7 - CUSTOMER SERVICE

Customer service and product support are important aspects of each Ferno product.

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For assistance with the backboard, contact Ferno Customer Service.

SECTION 8 - LIMITED WARRANTY

Limited Warranty Summary

Ferno-Washington, Inc. (Ferno), warrants the products we manufacture to be free from defects in material and workmanship for one year except as follows:

- (A) External finishes (gelcoat, decals, paint, etc.) are warranted for 90 days.
- (B) Repairs and services are warranted for 90 days or until the end of the time period(s) above, whichever comes last.

This limited warranty applies when you use and care for the product properly. If the product is not used and cared for properly, the warranty is void. The warranty period begins the day the product is shipped from Ferno or the day you receive it if you have proof of the delivery date. Shipping charges are not covered by the limited warranty. We are not liable for shipping damages or damages sustained through using the product.

Limited Warranty Obligation

If a product or part is proven to be defective, Ferno will repair or replace it. At our option, we will refund the product's purchase price. 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 800.733.3766 or 937.382.1451.

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