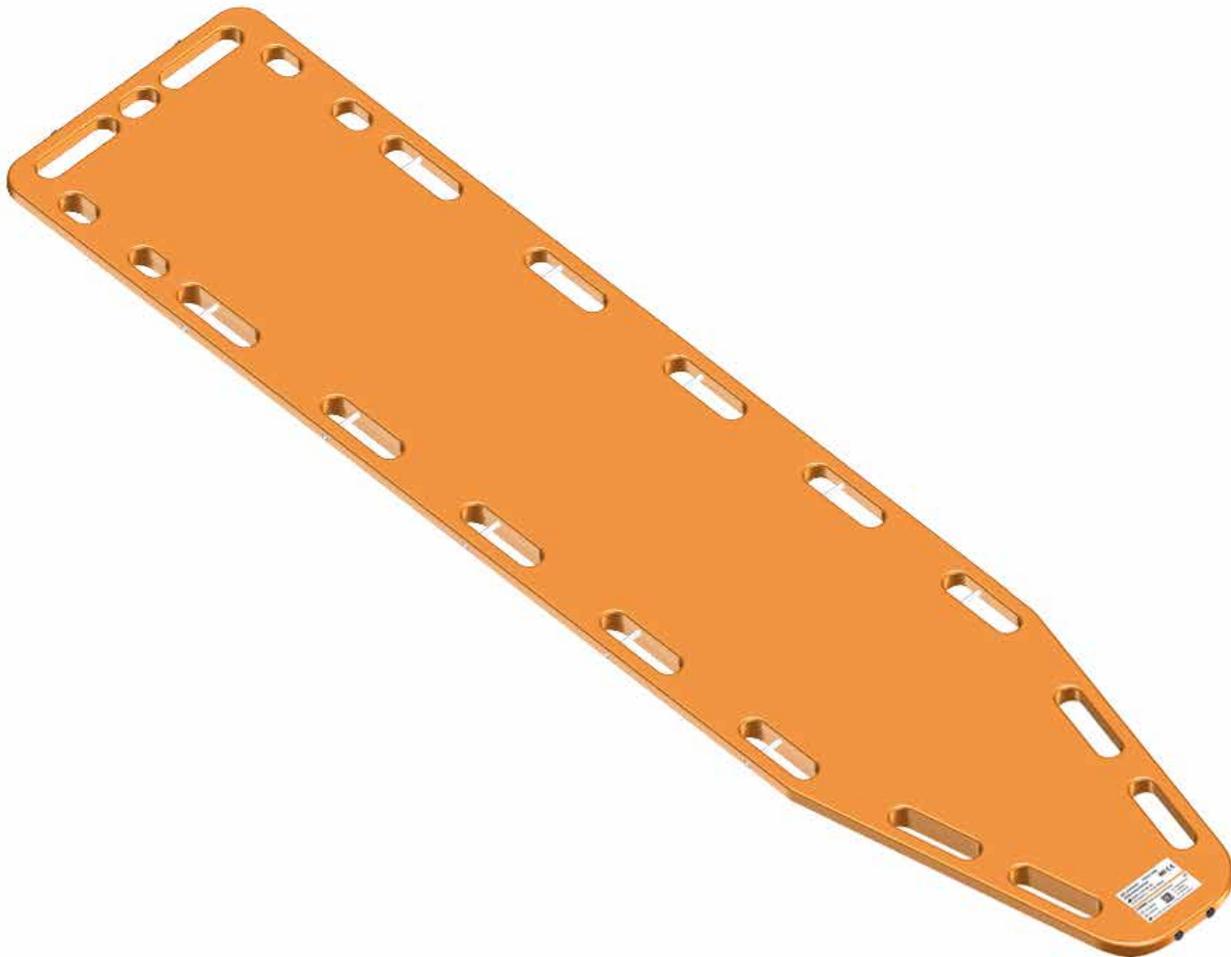




Millennia™

Backboard



Ferno Customer Relations

Ferno-Washington, Inc., 70 Weil Way
Wilmington, Ohio 45177-9371, U.S.A.

Information www.ferno.com
Authorized Service ferno.com/service-and-support

U.S., Canada	1.877.733.0911
International	Country Code +1.937.382.1451
Fax	1.888.388.1349

INSTRUCTIONS FOR USE



Read this Manual and Retain for Future Reference. To request additional free manuals, contact Ferno.

Disclaimer

This manual contains general instructions for the use, operation and care of this product. 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 and local protocol. Training on the proper use of this product must 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 Relations.

Proprietary Notice

The information disclosed in this manual is the property of Ferno. Ferno reserves all intellectual property rights, proprietary design rights, manufacturing rights, reproduction use rights, and sales use rights thereto, and to any article disclosed therein except to the extent those rights are expressly granted to others or where not applicable to vendor proprietary parts.

Limited Warranty Statement

Ferno products are covered by a limited warranty, printed on all Ferno invoices. Complete terms and conditions, and limitations of liability, are available from Ferno.

Adverse Event Notice

In the event of an adverse event or serious incident related to the use of this device, the end user/operator must report the incident to Ferno at 1-877-733-0911, or via email at tscoordinator@ferno.com. If the incident occurred outside the U.S., report it to Ferno's Authorized Representative for that area.

Disposal

Prior to disposal, clean and disinfect the product according to the Maintenance section of this manual. Recycle or dispose of the product following local protocols and regulations. Do not dispose of the product in municipal waste.

MD

Medical Device



Ferno-Washington, Inc.
70 Weil Way
Wilmington, OH 45177-9371, U.S.A.
1.937.382.1451

PATENTS
ferno.com/patents

EC REP

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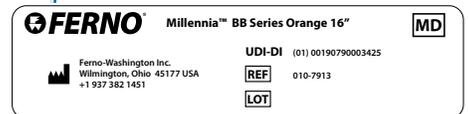


Regulatory Information



ITEMS

010-7913	16" Orange
010-7914	16" Yellow
010-7915	18" White
010-7917	18" Orange



Unique Device Identification (UDI)

Backboards for use in the European Union are marked with UDI and CE regulatory information.

ITEMS

010-8043	16" Orange CE
010-8044	16" Yellow CE
010-8045	18" White CE
010-8046	18" Orange CE

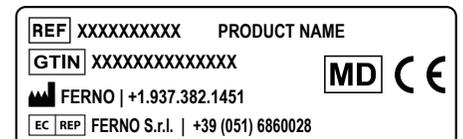


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1 - SAFETY INFORMATION

1.1 Warning

Warning safety alerts indicate a potentially hazardous situation that, if not avoided, could result in injury or death.

 WARNING
Professional use by trained operators only. Maintain control of product. Direct helpers where to grasp.
Exceeding the load capacity can cause injury and damage. Inspect the product if the load capacity has been exceeded.
Use the product only for its intended purpose. Improper use, operation, or maintenance can cause injury. Use, operate and maintain only as instructed.
An unattended or unrestrained patient can be injured. Always stay with the patient and use patient restraints.
Improper parts, modifications or items not designed for the product can cause injury. Use only Ferno-approved parts and service. Attach only approved items to the product. Do not modify the product.

1.2 Notice

Notices emphasize important, but not hazard-related information. Failure to follow Notices could result in product or property damage.

NOTICE

1.3 Symbol Glossary

Ferno uses, as applicable, the following safety and regulatory symbols.

Symbol	Definition
	General warning of potential injury
	Consider instructions for use (ISO 7000)
	Refer to instructions for use (ANSI Z535/ISO 3864)
	Two trained operators required
	Load Capacity/Safe Working Load
	Follow training protocol
	Disinfecting
	Cleaning
	Use proper restraints

1.4 Compliance

- Some versions conform to EN 1865-1:2010+A1:2015. Refer to table on page 2.
- Buoyancy 30.4 lbf (135 N), minimum: Certified per U.S. Department of Transportation Federal Aviation Administration, TSO – C72c:1990 “Individual Floatation Devices”
- Buoyancy 30.4 lbf (135 N), minimum: Certified per European Aviation Safety Agency ETSO-72c:2003 “Individual Flotation Devices”
- Flammability resistance certified to EN 1865-1:2010+A1:2015

2 - OPERATOR TRAINING

2.1 Operator Training

Operators must: read and understand this manual, have the physical ability to assist the patient, be trained on proper product operation, be trained on emergency-medical service and patient-handling procedures, and practice with the product before using it with a patient. Keep training records.

2.2 Daily Operator Duties

It is good practice for operators to check equipment at the start of each work shift. To check the backboard prior to use, follow the procedures described in this manual and visually inspect it for readiness. See "Inspecting the Backboard" on page 9.

2.3 Using Additional Help

Operation requires a minimum of two trained operators. Use help when working with heavy loads (patient plus equipment). Trained operators stand at the ends of the product, maintain control of the product, and direct helpers on where to stand and how to grasp the product.

Refer to the chart for suggested placement for operators and helpers.

⚠ WARNING

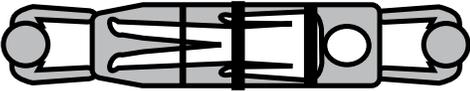
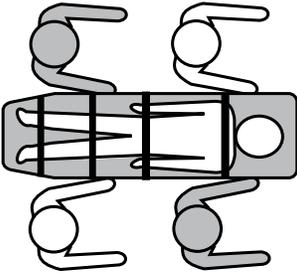
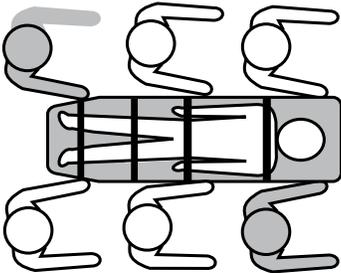
Professional use by trained operators only. Maintain control of product and controls.

Exceeding the load capacity can cause injury and damage. Inspect the product if the load capacity has been exceeded.

Load Capacity

**350 lb
159 kg
25 st**

Inspect the backboard if the load capacity has been exceeded. See "Inspecting the Backboard" on page 9.

	 +2	 +4
		

3 - ABOUT THE BACKBOARD

3.1 Description

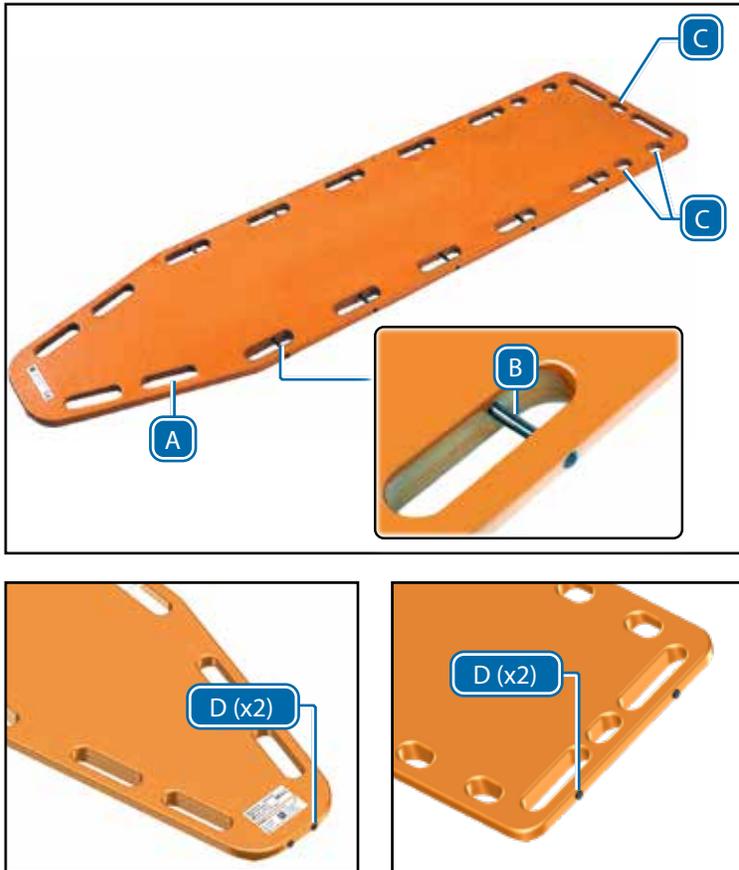
The Ferno® Millennia™ Backboard is an emergency patient-handling device designed to provide rigid support while moving a patient with suspected spinal, hip, pelvic, or lower extremity injuries.

The backboard is for professional use by a minimum of two trained operators. Use additional help for heavy loads (patient plus equipment).

Specifications include:

- Available in 16" (406 mm) and 18" (457 mm) width
- Constructed of ABS plastic
- X-Ray translucent
- Tapered foot end
- 16 Handholds (A)
- 10 Speed-clip pins (B)
- 5 Head immobilizer attachment slots (C)
- 4 Bumpers (D), (CE version only)

The backboard can be used for water rescue, vehicular extrication, or as a stretcher. The backboard can be used in combination with most basket stretchers.



! WARNING

Use the product only for its intended purpose. Improper use, operation, or maintenance can cause injury. Use, operate and maintain only as instructed.

3.2 General Specifications

Specifications are shown in the tables. General specifications are rounded. Metric conversions are calculated before rounding the Imperial measurement. Ferno reserves the right to change specifications without notice. For more information, contact Ferno Customer Relations or your Ferno distributor (page 2).

Specifications	Imperial	Metric
Load Capacity	350 lb	159 kg
Load Capacity (UK)		25 st
Construction	ABS Plastic	

Dimensions	Imperial	Metric
Millennia 16" (406 mm)		
Length	71.8-72.125 in	1824.7-1832.0 mm
Width	15.9-16.125 in	404.6-409.6 mm
Depth	1.875 in	47.7 mm
Weight	11.1-12.5 lb	5.0-5.7 kg
Millennia 18" (457 mm)		
Length	71.8-72.125 in	1824.7-1832.0 mm
Width	17.9-18.125 in	455.4-460.4 mm
Depth	1.875 in	47.7 mm
Weight	12.5-15.5 lb	5.7-7.0 kg
Millennia CE 16" (406 mm)		
Length	72.0-72.3 in	1830.0-1837.5 mm
Width	15.9-16.125 in	404.6-409.6 mm
Depth	1.875 in	47.7 mm
Weight	11.1-12.5 lb	5.0-5.7 kg
Millennia CE 18" (457 mm)		
Length	72.0-72.3 in	1830.0-1837.5 mm
Width	17.9-18.125 in	455.4-460.4 mm
Depth	1.875 in	47.7 mm
Weight	12.5-15.5 lb	5.7-7.0 kg

4 - USING THE BACKBOARD

4.1 General Guidelines for Use

Medical advice is beyond the parameters of this manual. It is the operators' responsibility to ensure safe practices for the patient and themselves.

A minimum of two trained operators is required. Operators must:

- Follow standard emergency patient-handling procedures when using the backboard.
- Work together and maintain control of the product at all times. Communicate with one another and use coordinated movements to operate the product.
- Stay with the patient at all times.
- Use additional trained helpers as needed (page 11).
- Always use patient restraints. The backboard has slots for handholds, patient restraints, and head-immobilizer straps. Select, use, and apply restraints as determined by your local service's protocols and government requirements.
- If restraints with speed clips are used, confirm the restraint speed clips attach securely attached to the pins.
- Do not use the speed-clip pins or handholds as part of a technical rescue lifting system. Lift and carry the backboard only by hand, grasping the handholds. Place the backboard inside a basket for technical rescue.

4.2 Using the Backboard

1. Follow local your local protocols and emergency patient-handling stabilization guidelines and procedures to move the patient onto the backboard (Figure 1).
2. Secure the patient on the backboard with restraints. Restraints are available separately. See "Accessories" on page 10.
3. Confirm that restraints are properly configured and buckles are securely fastened.
4. If using restraints with speed clips, attach the clips securely to the pins.
5. Operators work together to safely lift and carry the backboard with patient (Figure 2). Use additional trained helpers as needed (page 5).
6. If you place the patient and backboard on a cot for transport, secure the patient and backboard to the cot using the cot restraints.
7. If the load capacity is exceeded, inspect the backboard for damage (page 9).

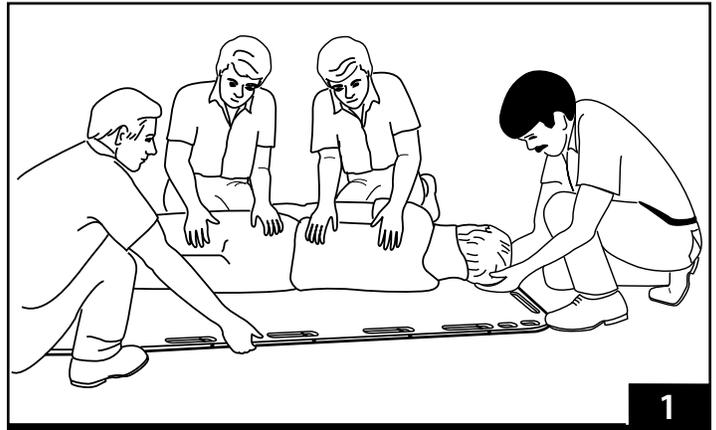
! WARNING

Use the product only for its intended purpose. Improper use, operation, or maintenance can cause injury. Use, operate and maintain only as instructed.

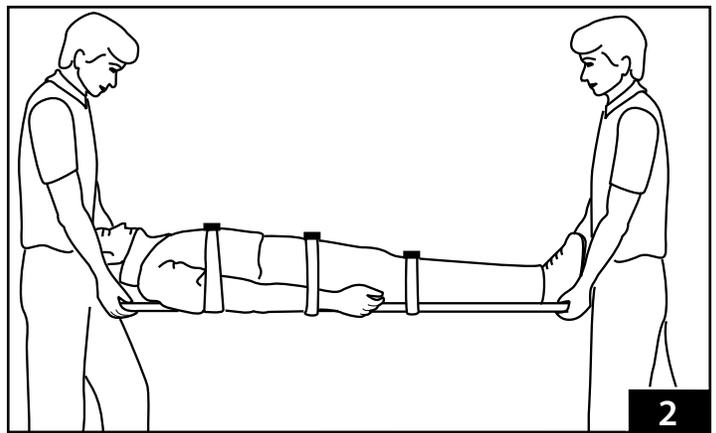
An unattended or unrestrained patient can be injured. Always stay with the patient and use patient restraints.

NOTICE

Do not attach lifting devices such as ropes or bridles to the backboard handholds or pins. Always lift and carry the backboard by hand, grasping the handholds. In a technical-rescue situation, secure the backboard in a transport basket and attach lifting devices to the basket.



1



2

5 - MAINTENANCE

5.1 Maintenance Schedule

The backboard requires regular maintenance. Set up and follow a maintenance schedule. The table at right represents minimum intervals for maintenance. Keep maintenance records. For a sample record sheet, see "Maintenance Record" on page 11. When using maintenance products, follow the manufacturers' directions and read the manufacturers' material safety data sheets.

5.2 Service Life

Many factors affect a product's service life, including frequency of use (high-volume versus low-volume ambulance service); local environment (extreme temperature, high humidity, etc.); maintenance (adherence to the inspection and maintenance schedule); and other factors.

Follow the disinfecting, cleaning, and inspection procedures in this manual to ensure long life for the backboard.

5.3 Bloodborne Disease Notice

To reduce the risk of exposure to blood or other potentially infectious materials when using the product, follow the disinfecting and cleaning instructions in this manual.

5.4 Disinfecting and Cleaning

Remove restraints before cleaning and disinfecting. Refer to the restraints users' manuals to disinfect and clean restraints. Reattach restraints only when clean and dry. Inspect all items for damage while disinfecting and cleaning.



Wipe all surfaces with disinfectant. Follow the disinfectant manufacturer's instructions for application method and contact time.



Hand clean with warm water and a mild detergent. Rinse with warm, clear water. Dry with a towel or allow it to air-dry.

WARNING

Improper parts, modifications or items not designed for the product can cause injury. Use only Ferno-approved parts and service. Attach only approved items to the product. Do not modify the product.

Minimum Maintenance	Each Use or Daily	As Needed	Monthly
Daily Operator Duty (page 5)	•		
Disinfecting (this page)	•		
Cleaning (this page)		•	
Inspecting (page 9)		•	•

NOTICE

Do not use disinfectants or cleaners containing phenolics or iodines. If bleach is used, rinse with plenty of clear water to remove bleach residue.

Using abrasive cleaning compounds or applicators on the product can cause damage. Do not use abrasive materials to clean the product.

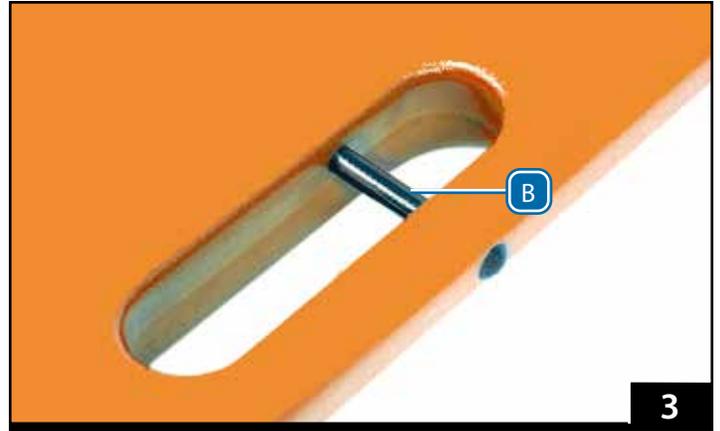
Do not immerse restraint metal buckles, slide bars, and clips in liquids or by washing-machine action. See the restraint users' manuals.

5.5 Inspecting the Backboard

Have your service's equipment maintenance personnel inspect the backboard regularly. Follow the checklist below.

- Is the backboard free of cracks, crevices, and punctures?
- Are all speed clip pins (B) solidly installed and free of cracks or damage?
- Are patient restraints properly installed?
- Is patient-restraint webbing in good condition with no cuts or frayed edges?
- Are patient-restraint buckles free of visible damage and do they operate properly?

If inspection shows damage or excessive wear, remove the backboard from service and destroy to prevent accidental use.



6 - ACCESSORIES

Ferno offers accessories approved for use with the backboard. Follow all instructions in accessory users' manuals. Keep the instructions with this manual. Contact Ferno Customer Relations (page 2) or your Ferno distributor for product information.

Accessories

Model 445 Head Immobilizer	031-3855
Model 455 HeadHugger Disposable Head Immobilizer (10)	083-2092
Model 49 WizLoc Cervical Collar (3)	082-2074
Model 770 Fastrap	031-3916
441 Traction Splints (Adult and Pediatric)	082-2183
677 MedKids™ Pediatric Sleeve	031-3923

Model 430 (Metal Buckle) Restraint

Style	Black	Orange
2 pc., 5' (1524 mm)	031-3892	031-3891
2 pc., 7' (2134 mm)	031-3911	031-3912
2 pc., 9' (2743 mm)	031-3305	031-4013
1 pc., 7' (2134 mm)	031-3910	031-3887
1 pc., 9' (2743 mm)	---	031-3889

Model 430P (Plastic Buckle) Restraint

Style	Black	Orange
2 pc., 5' (1524 mm)	031-3797	031-3917
2 pc., 7' (2134 mm)	031-3801	031-3919
1 pc., 7' (2134 mm)	031-3894	031-4011

Model 439 (Metal Buckle) Restraints, Set of Three

Style	Black	Orange
1 pc., 7' (2134 mm)	031-3083	031-2660

WARNING

Improper parts, modifications or items not designed for the product can cause injury. Use only Ferno-approved parts and service. Attach only approved items to the product. Do not modify the product.

Backboards with Speed-Clip Pins

Model 436-i Speed-Clip Restraint (single restraint)

Model	Length	Buckle
031-4124	5' /1524 mm	Plastic
031-4122	5' /1524 mm	Metal
031-4125	7' /2134 mm	Plastic
031-4123	7' /2134 mm	Metal

Model 436 Speed-Clip Restraint (set of 4)

Model	Length	Buckle
031-4120	5' /1524 mm	Plastic
031-4118	5' /1524 mm	Metal
031-4121	7' /2134 mm	Plastic
031-4119	7' /2134 mm	Metal



70 Weil Way
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Aviation

Military

Mortuary

EMS

Rescue

