



User and maintenance manual



Multi Chair Fastener locking system

Rel.21012021 English



*Read this manual
carefully and keep it
for future reference*

Ferno Technical Support

Customer Service and Technical Support are important aspects of every Ferno product. Before contacting us, note the serial number of the product and specify it in all written communications. For all queries concerning technical support, contact Ferno s.r.l.:

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Fax	+39 0516861508
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Ferno Customer Service

For assistance and further information, contact Ferno s.r.l.'s Customer Services:

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USER AND MAINTENANCE MANUAL

To request additional free copies of the instruction manual, please contact Ferno s.r.l.'s Customer Service.

Limitation of liability

This manual contains general instructions on the use and maintenance of the product. The instructions do not cover all possible applications and operations. The user is solely responsible for proper and safe use of the product. The safety information is provided as a service to the user and ensures only the minimum required level of safety to prevent injury to operators and patients. Any other safety measure implemented by the user must comply with applicable regulations. Before using the product, it is strongly recommended that staff be trained in its correct usage. Retain this manual for future reference. In case of change of ownership, ensure that the manual remains with the product. Additional free copies can be obtained from Ferno s.r.l.'s Customer Service.

Intellectual property declaration

The information in this manual is the property of Ferno s.r.l. - Via Benedetto Zallone 26, 40066 Pieve di Cento (Bologna) Italy.

All patent rights, design, construction, reproduction, use and sale rights relating to any item covered in this manual are the confidential and exclusive property of Ferno s.r.l., except for rights expressly transferred to third parties or not attributable to parties owned by the supplier. It is prohibited to reproduce this manual, either in full or in part, without the prior consent of Ferno s.r.l..

Limited warranty

Ferno products are covered by a 24-month warranty against manufacturing defects. For the full terms and conditions of warranty and liability, see chapter Warranty, page 11.

Medical devices directive

Ferno's products meet the requirements of European Directive 93/42/EEC concerning medical devices.

For more information: www.ferno.it



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1 - SAFETY INFORMATION

1.1 Warning

The danger symbols draw attention to potentially dangerous situations that, if disregarded, may result in accidents, damage and/or injury.



WARNING

Untrained users may injure themselves, cause damage and/or physical harm. Allow only trained and qualified staff to use the device.

Improper use of the device may cause damage and / or injury. Use the device as described in this manual.

Unauthorised modifications can cause injury and / or damage. Use the device only as approved by Ferno.

Unauthorised repairs carried out by people not approved by Ferno s.r.l. will render all warranties null and void and may compromise the safety of the device.

Non-original spare parts and inadequate repairs may cause damage and/or injury. Use only original Ferno spare parts and refer exclusively to Ferno s.r.l.'s Customer Support.

1.2 Blood-borne diseases

To reduce the risk of exposure to infectious diseases that may be transmitted by blood, such as HIV-1 or Hepatitis, follow the instructions on disinfection and cleaning in this manual carefully.

Important

Boxes labelled "Important" contain important information on use and/or maintenance of the device.

1.3 Glossary of symbols

The symbols used in this manual and/or on the device's labels are defined below. The CE mark is present on the locking device and in this manual.



Danger: Risk of injury



Danger: Mechanical risk



Read the user manual
carefully



Do not wash with
high pressure jets



This product meets
European Union
Standards

2 - OPERATOR TRAINING AND SKILLS

2.1 Training

Operators are required to:

- Carefully read and understand all information in this manual.
- attend a suitable training course on the use of the device.
- practice with the device before using it in real situations.

⚠ WARNING

Improper use of the device may cause damage and / or injury. Use the device as described in this manual.

Important

Ferno s.r.l. shall not be liable for any damage to users and/or third parties due to improper use of the device.

⚠ WARNING

**Any configuration unauthorised by Ferno s.r.l. could cause damage and/or serious injury.
If used in a different configuration, contact the Technical Service team at Ferno s.r.l. directly. (see page 2).**

2.2 Operators' skills

Operators trained and authorised to use the Multi Chair Fastener locking system must:

- understand the procedures described in this manual;
- know the device and its features;
- operators must be able to ensure the safety of both themselves and their patients while using the product.

Read the user manual
carefully



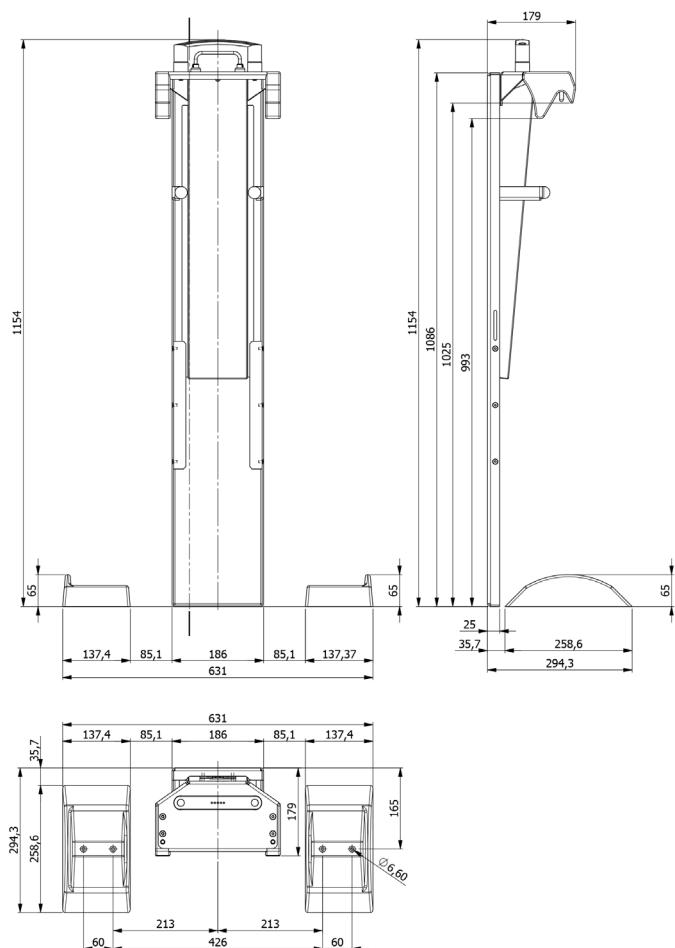
3 - INSTRUCTIONS FOR USE

3.1 Description of the locking system

Multi Chair Fastener is a system that allows locking most of the evacuation chairs currently available on the market to a wall or inside a suitably equipped vehicle. Multi Chair Fastener consists of a shaped bracket specifically designed to engage and lock the chair safely into place.

Technical specifications

Height	1154 mm
Width	631 mm
Depth	294.3 mm
Overall weight	11.5 kg



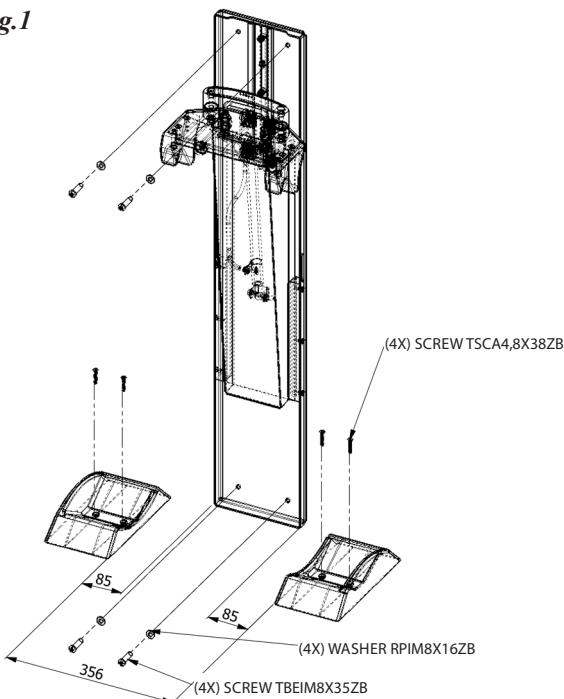
3.2 Wall mounting

The installation of Multi Chair Fastener on board a vehicle must be carried out by specialised technical personnel.

Fasten the device using four M8 screws in its holes. Make sure that the screws are tightened on a metal wall at least 3 mm thick.

Fix the wheel supports (blocks) to the floor with 4 screws, using the supplied template, in order to respect the distances indicated in the manual (fig. 1).

fig.1



3.3 Fixing the chair in the locking unit

- Close and lock the transfer chair correctly.
- Push the chair's wheels into the suitable seats (blocks) at the base of the Multi Chair Fastener system.
- Position the chair and lift it so that it is under the handle of the Multi Chair Fastener system.
- Place the chair correctly, paying the utmost attention to the track gears.
- Grasp the main handle by pulling the red lever upwards (fig. 2A), pushing the entire system downwards until you reach and lock the chair (fig.2B/2C).
- Check the red indicators at the top of the locking system (fig. 2C) to ensure its correct locking. Note: when both red indicators are raised, the system is correctly locked.
- Finally secure the chair with the restraint (fig. 2D).

fig.2A

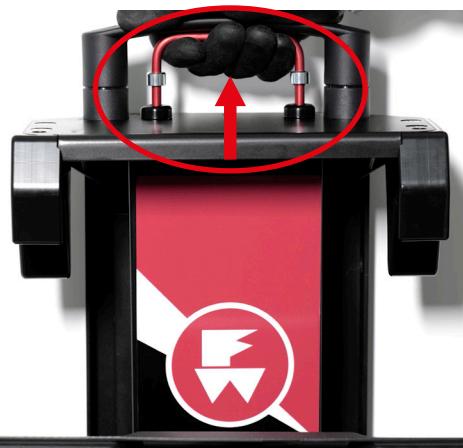


fig.2B



fig.2C

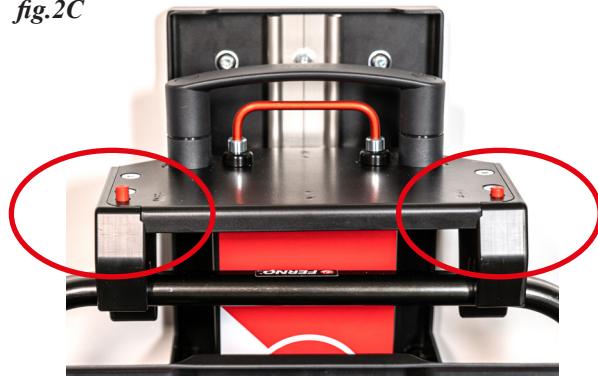


fig.2D



4 - CLEANING AND DISINFECTION

4.1 Cleaning the device

1. Wash all components of the product with a cloth or sponge dampened with detergent solution (rinsing the sponge frequently with clean water);
2. If necessary, remove stains with a stiff bristle brush (not metal)
3. Use a cloth to rinse and dry the treated surfaces, make sure that all the device's components are completely dry before using them.
4. After cleaning, be sure to put the restraints back on the device.

4.2 Disinfection

After each use, clean the surfaces of the device with a non-abrasive surface disinfectant.

Dry with a cloth.

It is advisable to wear suitable gloves

(e.g. household or disposable gloves) during disinfection.

Disinfectants and detergents containing phenols (if above the threshold of 2500 ppm), chlorine (bleach) or iodine-based solutions can cause damage.

Do not use products containing these chemicals.

2. Remove the material using a disposable cloth and/or paper and dispose of it in the specific container for special waste.
3. Sanitise.
4. Before starting sanitisation, move all restraint hooks upwards.
5. Sanitisation is carried out by immersing the restraints in a container and leaving them to soak in water with sanitising product, leaving the metal and plastic part outside the container. Leave to soak for approx. 5-20 minutes then dry with paper.
6. Afterwards hook up all hooks together and hang the restraints to a support.
7. Clean by directly spraying the cleaning and disinfecting product then leave it to dry.

WARNING

Disinfectants and detergents containing phenols (if above the threshold of 2500 ppm), chlorine (bleach) or iodine-based solutions can cause damage. Do not use products containing these chemicals.

5 - DISPOSAL

4.3 Restraint cleaning and disinfection

The sanitisation of restraints must be carried out at the end of the shift or after each transport, if necessary.

WARNING: never immerse the restraints completely in water and never wash them in the washing machine.

* When there is no contamination from organic substances, it is possible to just disinfect the restraint,

by directly spraying the cleaning and disinfecting product and leaving it to dry.

* In case of surfaces visibly contaminated by organic substances (blood, urine, vomit, faeces, etc.) proceed with decontamination according to the following procedure:

1. Wear suitable PPE based on the Risk Assessment Document.

Once unusable, if it has not been contaminated by particular agents, the device can be disposed of as normal municipal solid waste. Otherwise, comply with current disposal regulations.

6 - SAFETY AND FUNCTIONALITY CHECK

The inspection involves looking for any problems that may compromise the integrity and correct operation of the Multi Chair Fastener locking system.

The safety and functionality check should be carried out monthly or more frequently if the product is subjected to severe conditions of use.

INSPECTION CHECKLIST

- Are all the components present?
- Is the locking system correctly and securely installed in the ambulance?
- Is the device free from deformation, cracks or other obvious signs of damage and wear?
- Check the correct movement of the sliding part by pressing the red handle
- Check that the red pins slide smoothly into place

Important

If the device is involved in an accident or traffic incident, replace the fixing device.

Important

Make sure that all connections are secure, but do not over-tighten components.

7 - WARRANTY

7.1 Warranty Terms and Conditions

Ferno's products are guaranteed against manufacturing defects for a period of 24 months from the date on the Ferno s.r.l. shipping document.

Ferno s.r.l. guarantees its spare parts for a period of 12 months.

During the warranty period, Ferno will repair and/or replace any parts found to have manufacturing defects free of charge.

Collection and maintenance of the device are included in warranty (to be borne by Ferno), while the right to call and the sending of the technician are EXCLUDED by the maintenance at the customer's site.

The warranty does not cover consumables or parts subject to wear and tear due to normal use of the product, all parts typically subjected to sliding or rolling friction (bearings, brushes, lubricants, shoes, tracks, etc.), parts potentially exposed to oxidation or corrosion (copper or metal alloy contacts, electrical, electronic and mechanical equipment), and batteries.

The surface finishes (gelcoat/resin, paint, powder paint, decals, tape, inscriptions, etc.) are guaranteed for 90 days.

Repairs are performed by trained technical staff at the Ferno s.r.l. site in Via Zallone 26- 40066 Pieve di Cento (BO), Italy or at the Customer's premises if suitable arrangements with Ferno s.r.l.'s Customer Service have been made.

Technical support at the Customer's premises must be arranged beforehand with the Technical Support Service.

The intervention provides that the right to call and the sending of the technician will be charged.

Repairs are guaranteed for 6 months from the date of repair. This warranty applies only when the product is used according to the instructions in the user manual provided. Misuse and negligence invalidate this warranty.

The warranty is valid from the day the product is shipped from Ferno s.r.l.

Ferno s.r.l. is not liable for damages incurred during shipment or due to misuse of the product.

The warranty is rendered null and void in the case of:

- failure to observe the operating instructions,
- misuse,
- inappropriate use or handling,
- repairs by non-authorised persons,
- damage during transport due to improper packaging of items returned by the user,
- inadequate maintenance,
- failure to use original spare parts.

In cases not covered by the warranty, Ferno s.r.l. will not cover the transport costs for sending or returning the product.

7.2 Limitation of liability

If a product is found to be defective, Ferno s.r.l. will repair and replace it according to the regulations in force. The following cases are not covered by warranty:

- labels or plates bearing the manufacturer's logo, the serial or registration number, which have been tampered with;
- the product that has undergone modifications, repairs or treatment by personnel not authorised by Ferno s.r.l.;
- the product not used in compliance with the instructions, or used for purposes other than those for which it was designed.

7.3 Warranty claims

Contact Ferno's Customer Service immediately if you receive a product that is suspected to be defective. A representative will assist the customer through the complaints procedure. Before returning a product to Ferno s.r.l., contact Ferno's Customer Service to request authorisation.

7.4 Complaints

Any complaints must be communicated to the reseller, or to Ferno s.r.l.'s Customer Service, within 5 days of receipt of the product or of discovery of the alleged defect.

7.5 Return authorisation

No product will be accepted without the prior approval of Ferno s.r.l..

Products returned for business reasons, or for reasons not relating to nonconformity of the product, will be accepted only after verification by Ferno s.r.l. authorised personnel.

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Product User and Maintenance Manual, required to operate the product safely, maintain its efficiency and reliability, and comply with the terms of the warranty.

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Ferno s.r.l.

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