



User Manual

FASTENING 1 FOR EFX-F1 AND EFX-F1M MODELS



This user manual contains general information for the use, the management and the maintenance of the fastener. This guide holds the entire parts needed for the adequate use of this product. The security and the adequate use of this device depend on the precautions taken by the user. The information related to the security is put at the disposal of the user. All other measures of security taken by the user have to be taken, considering the applicable rules for this type of device. It is essential to undertake training, appropriate to the device, before using it in an actual situation.

Keep this manual for future consultations. It may be conveyed to new users. Copies of this manual are available at the Customer Service of your distributor, Ferno.

Legal Information

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Complementary instructions in relation to the EFX-F1 system:

Manual for the EFX-F1 stretcher

Manual for the EFX-F1 carrier

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1.- Information and security

1.1. Warning

- Wrong use may cause damage. Only use the fastener as described in this manual.
- People without experience may cause injury or be injured. Only trained and informed personnel are authorised to handle the F1 fastener.
- Erroneous maintenance may injure. Keep the fastener as described in this manual.

1.2. Important

The texts in bold and underlined, hereunder, hold important information.

IMPORTANT

Do not use high pressure devices or steam wash to cleanse the fastener. These types of method can result in corrosion.

2 – Everything one should know concerning the F1-fastener.

2.1. Description of the fastener.

The F1 fastener is a method of fastening to the ground, helps to maintain the EFX carrier and stretcher models in an ambulance.

The fastener is destined for professional use and for experienced people.

It consists of a double lock at the head and has an accommodation at the feet, eliminating any movement (lateral, longitudinal or vertical).

The F1 fastener is usable for the entire EFX-F1 carrier-stretcher set as well as for the EFX stretcher alone.

IMPORTANT

Wrong use of the fastener may cause injury. Use the fastener as described in this manual.

2.2. Fastening of the carrier or of the stretcher.

Ferno fasteners have been designed to be used with Ferno carriers or stretchers.

No guarantee is given for usage with other carriers or stretchers than those of Ferno.

2.3. Components.

These precautions show you potentially dangerous situations which, if not avoided, may cause severe and even fatal physical damage.

Accommodation handle*

Feet side

Head side

Double

unlocking

Locking of the fastener

Accommodation, eliminating any lateral, longitudinal or vertical movement.

The EFX stretcher only is reversible on the fastener.



3- Demonstration.

3.1. Practice

- Users using the fasteners need to have knowledge of emergency procedures when transporting a patient.

- Competent care of a patient.

Good comprehension of the procedures as described in this manual.

3.2. Training.

The people should:

- follow the prescribed training programme

- read this manual

- practise using this product before using it in real situations

- be tested on the comprehension of the functioning of the product

- record information regarding the training



ATTENTION

People without experience may cause injury or get hurt. Only trained personnel are allowed to handle the fastener.

4.- Use of the fastener.

4.1. Before setting up the fastener.

1. All personnel liable to use the fastener have to read this manual and those of the carrier and of the stretcher (which will be used with the fastener).
2. The fastener has to be installed by professional personnel («see installation»)
3. Check that the fastener works correctly. Follow the instructions of the paragraph (“Checking the fastener”).

4.2. Fixing the carrier or the stretcher in the fastener.

1. Read the manuals of the carrier and of the stretcher for the loading instructions
2. Guide the carrier or the stretcher into the ambulance, lining it with the sleeper for the entering wheels with the fastener. Line up the stud under the carrier in the insert conduit.
Back the unit onto the fastener

Fastener at the head side of the carrier.

Fastener at the head or foot side of the stretcher

3. Make the carrier or the stretcher slide completely into the fastener allowing the stud to be inserted into the insert conduit. The sleeper for the entering wheels of the carrier or the sleeper of the wheels of the stretcher has to be securely engaged with the 2 hooks at the front section of the fastener.





4.3. Releasing the carrier or the stretcher from the fastener.

1. Read the manual of the carrier or of the stretcher for the instructions concerning its unloading.
2. Push the unlocking handle firmly to the front meanwhile exerting a light forward pressure on the carrier or the stretcher.
3. Both hooks of the front section of the fastener will automatically release from the bottom and release the entering wheels sleeper.
4. Withdraw the carrier or the stretcher by moving it back to the back of the vehicle.



5.- Maintenance of the fastener.

5.1. Regular maintenance.

The fastener requires regular maintenance. Follow the maintenance instructions as indicated here under.

Each use In due case Each cleansing

Disinfecting X

Cleansing X

Inspecting X X.

Lubricating X X

When you using maintenance products, follow the instructions of the manufacturer and read the manuals.

Contact your Ferno distributor to order cleaners and disinfectants.



ATTENTION

- Erroneous maintenance may cause injury. Maintain the fastening as described in this manual.

5.2. Disinfecting the fastener.

Dry all surfaces with a disinfectant. Follow the instructions of the manufacturer of the disinfectant.

After disinfection, Ferno recommends you to carefully inspect the fastener.

5.3. Cleaning the fastener.

IMPORTANT

High pressure water jets for the joints, can eliminate the lubricant and can cause corrosion.

Do not use high pressure water or steam wash to cleanse the fastener.

Wash all parts of the fastener by hand with hot water and a light detergent.

Use a bristle brush or a light solvent to eliminate stains. Dry in open air or with a cloth.

5.4. Checking the fastener.

Your technical service should check the following points:

-If all components are present

- The stud should be correctly entered in the insert conduit of the back fastener

- The entering wheels sleeper of the carrier has to be lodged in the hooks of the front part

- The fastener has to be solidly fixed in the ambulance

- The fastener may not be tightened, cracked or be damaged.

If inspection shows any defect or excessive deterioration, withdraw the stretcher from the service until the fastener is repaired.

6.- Pieces and services.

To order spare parts or for any technical repairs to this product, contact your distributor, Ferno. They are the only agent authorised by Ferno to manage and repair Ferno products.



ATTENTION

Spare parts and services that are not in accordance with Ferno specifications may cause injury. Only use original Ferno parts for this fastener.

7. Installing the fastener.

7.1. Installation.

Installation of the fastener requires the competence of a professional who develops ambulances.



ATTENTION

The fastener was created to be installed with a steel backing sheet with a minimum measurement of at least 6.4 mm, under the installed surface (bottom of ambulance, floating table or tray).

If the vehicle in which you install the fastener does not have the backing sheet that is required, it must be installed by a qualified professional.

7.2. Vehicle.

If you assemble the fastener on the floor of an ambulance, check the side under the ambulance to avoid oxygen leaks into the petrol tank and into any other installation.

Always install a new fastener when an ambulance is equipped.

7.3. Included pieces

The total fastener set including the front part and back part linked together.

The logo "Push" must be placed in front of the unlocking handle of the F1 fastener

7.4. Scheme.

Serial Number



7.5. Procedure of installation.

Put the fastener on the bottom of the ambulance or on the table or on the tray that has to receive it. Use the supplied template with the fastener in order to execute the placement and the piercing.

8.- Client Service .

The client service and the manual are essential for the good use of Ferno products.

For additional explanations, contact your Ferno distributor.

Please note the serial number of your Ferno product when calling and communicate it in all correspondence.

9.- Limited guarantee

General conditions of guarantee

Ferno-Washington, Inc. (Ferno) warrants that their products do not present any manufacturing default (parts, manpower and transportation) for a period of two years, except:

(A) The external finish (coating, painting, etc.) are guaranteed for 90 days.

(B) The additional articles (straps, tissue, foam, etc,..) are guaranteed for 90 days.

(C) Repairs and additional services are guaranteed for 90 days or till the end of the period mentioned above.

This limited guarantee is applied when you use and maintain the material correctly. However in any other case the guarantee is not applicable.

The period of guarantee becomes effective on the date of invoicing or on the day of receipt of the device if one has proof of the delivery date. Return costs are at the expense of the client. Ferno is not responsible for any damage caused during the transportation or for any damage occurred when using the product.

Limited commitment of guarantee

If a device or part of a device is defective, Ferno will repair it in its workshops or will substitute the device or will credit the client with the price of the invoice, all other indemnities being excluded.

These are the general conditions of the guarantee. These are limited.

These guarantee clauses and conditions are available by calling France on:

00 33 (0)4 74 46 13 00