

Model 436 Series Speed Clip Restraints

Description

The Model 436 Series Restraint (“restraint”) can be attached and removed quickly to a backboard, hand-carried stretcher, scoop stretcher, stair chair, or extrication device (the “equipment”) using the built-in speed-clips.

Secondary-Use Restraint

Ferno defines this restraint as a **Secondary-Use Restraint** because the speed-clip fasteners (and plastic buckles on some models) are not suitable for use in a motor vehicle.

FERNO DEFINITIONS

- **Primary-Use Restraints** are suitable for securing a patient on compatible equipment during transport in a motor vehicle.
- **Secondary-Use Restraints** ARE NOT suitable for securing a patient during transport in a motor vehicle. They are for temporary use to secure a patient on a backboard, hand-carried stretcher, scoop stretcher, stair chair, or extrication device. Transfer the patient onto an ambulance cot or other device with primary restraints before transport in a motor vehicle.

Specifications

The restraint is constructed with nylon webbing, brass speed clips, and a buckle (metal or plastic, depending on the model).

The restraint is available in 5-foot (1524 mm) or 7-foot (2134 mm) lengths, and can be ordered individually or in sets of four. A nylon carry bag is provided with sets of four restraints. For restraint versions, refer to the chart on page 4.

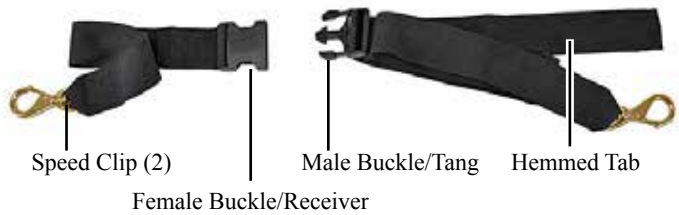
Load Limit

When attached properly to compatible equipment, the restraint is capable of securing a patient until transfer to an ambulance cot or other device with primary restraints. Do not exceed the load limit of the equipment.

General Guidelines for Use

- **Secondary-use restraints are not suitable for use in a motor vehicle.**
- **To be compatible**, equipment must have speed-clip pins to serve as anchor points for the restraint speed clips.
- For placement on a patient, follow local protocols.
- Adjust restraints to safely secure the patient on the equipment without causing discomfort or impairing circulation.
- Keep restraints fastened when not in use to prevent interference with equipment operation.

Model 436 Plastic-Buckle Restraint



Model 436 Metal-Buckle Restraint



Important

Do not exceed the load limit of the equipment on which the restraint is used. Refer to the equipment users’ manual for equipment load limit.

⚠ WARNING

Improper use of the restraint can cause injury. Attach and use the restraint only as described in this manual.

Improper operation can cause injury. Operate the restraint only as described in this manual.

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



WARNING

Improper use of the restraint can cause injury. Use the restraint only as described in this manual.

Label

The restraint includes a sewn-on label identifying it as a secondary-use restraint (Figure 1).

Before Using the Restraint

- Personnel who will work with the restraint need to read this manual.
- Confirm that the restraint operates properly (See *Inspection Checklist*, page 4).

Attaching the Restraint

Attach the restraint to the equipment at points that ensure strong anchorage and proper patient restraint. Verify that restraint placement will not interfere with use of the equipment or accessories.

1. Unbuckle the restraint.
2. Press the restraint speed clip against the speed-clip pin on the equipment until the spring latch of the speed clip snaps into place over the pin (Figure 2).
3. Confirm that the speed clip is securely fastened to the speed-clip pin.
4. Repeat Steps 2 and 3 to attach the other half of the restraint to a speed-clip pin on the opposite side of the equipment.
5. Repeat Steps 1-4 to attach additional restraints.
6. Confirm that all restraints are attached securely.

Removing the Restraint

To remove the restraint, unbuckle it if needed. Press the spring latch of the speed clip (Figure 3) and remove the speed clip from the speed-clip pin on the equipment.



Model 436 Speed-Clip Restraints

WARNING

Improper operation can cause injury. Operate the restraint only as described in this manual.

Buckling/Unbuckling

METAL-BUCKLE RESTRAINTS

To buckle the restraint: Insert the male buckle/tang into the female buckle/receiver (Figure 4, upper) until it locks into place. Always confirm that the buckle is securely fastened.

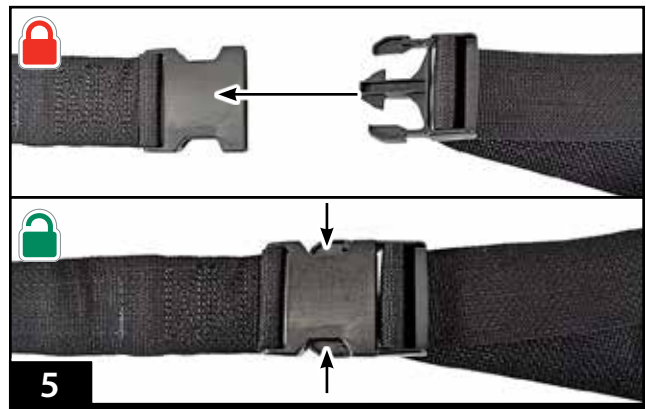
To unbuckle the restraint: Press the release button in the center of the buckle (Figure 4, lower) and separate the pieces.



PLASTIC-BUCKLE RESTRAINTS

To buckle the restraint: Insert the three-pronged male buckle/tang into the female buckle/receiver (Figure 5, upper) until it locks into place. Always confirm that the buckle is securely fastened.

To unbuckle the restraint: Press the slide prongs of the tang together until they release the female buckle/receiver (Figure 5, lower) and the buckle halves can be separated.



Adjusting the Restraint

Note: The female buckle/receiver strap is not adjustable. To lengthen or shorten the restraint, adjust the strap with the male buckle/tang.

METAL-BUCKLE RESTRAINTS

1. To lengthen the restraint, first unbuckle it.
2. Grasp the male buckle/tang and turn it perpendicular to the webbing.
3. Pull the male buckle/tang outward, away from the restraint attachment point until the restraint is the desired length (Figure 6, top).

PLASTIC-BUCKLE RESTRAINTS

1. To lengthen the restraint, first unbuckle it.
2. Grasp the slider bar on the male buckle/tang and turn it perpendicular to the webbing.
3. Pull the slider bar outward, away from the restraint attachment point until the restraint is the desired length (Figure 6, bottom).



SHORTENING A RESTRAINT

To shorten a restraint (metal-buckle or plastic buckle): Grasp the hemmed tab and pull the webbing through the male buckle/tang until the restraint is the desired length (Figure 7).



WARNING

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

Important

Metal buckles and speed clips can be damaged by immersion in liquids or by washing-machine action. Disinfect and clean only as described in this manual.

Important

Disinfectants and cleaners containing bleach, phenolics, or iodines can cause damage. Do not use products containing these chemicals.

Maintenance Schedule

The restraint requires regular maintenance. Set up and follow a maintenance schedule. Conduct maintenance as follows:

- **Inspecting:** Inspect the restraint as needed, following the Inspection Checklist below. At minimum, inspect monthly.
- **Disinfecting:** Disinfect the restraint after each use.
- **Cleaning:** Clean the restraint as needed.

Inspection Checklist

- Are all components present?
- Is restraint webbing in good condition (no cuts/frayed edges)?
- Are restraint buckles and speed clips free of visible damage?
- Do buckles open and close smoothly and properly?
- Can strap length be adjusted smoothly and properly?
- Do the speed clips operate properly?

If inspection indicates damage or excessive wear, take the restraint out of service and destroy it.

Disinfecting the Restraint

1. Remove the restraint from the equipment.
2. Spray the metal buckles and speed clips with a disinfectant cleaner, following the disinfectant manufacturer's instructions for application method and contact time. **Do not immerse the buckles or speed clips in liquid.**
3. Hang the restraint to air-dry if needed. Attach only dry restraints to the equipment.

Cleaning the Restraint

1. Immerse the restraint webbing in a solution of mild soap and water. **Do not immerse metal buckles or speed clips in the solution.**
2. Repeatedly dip the webbing in clear water to rinse. **Do not immerse metal buckles or speed clips in liquid.**
3. Hang the restraint to air-dry. Attach only clean, dry restraints to the equipment.

Model 436-i Restraint (single restraint)		
Model	Length	Buckle
031-4124	5 ft/1524 mm	Plastic
031-4122	5 ft/1524 mm	Metal
031-4125	7 ft/2134 mm	Plastic
031-4123	7 ft/2134 mm	Metal
Model 436 Restraint (set of 4)		
Model	Length	Buckle
031-4120	5 ft/1524 mm	Plastic
031-4118	5 ft/1524 mm	Metal
031-4121	7 ft/2134 mm	Plastic
031-4119	7 ft/2134 mm	Metal

Ferno Technical Support

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

Telephone (Toll-free)	1.800.733.3766 ext. 1010
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Limited Warranty Statement

The products sold by Ferno are covered by a limited warranty, which is printed on the invoice you received when you purchased the product. Please refer to the warranty terms as printed on your invoice. The complete terms and conditions of the limited warranty, and the limitations of liability and disclaimers, are also available upon request by calling Ferno at 1.800.733.3766 or 1.937.382.1451.