

# SEGUFIX®-Compact



**Item 2250/r, Item 2350/r, Item 2450/r**

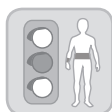
## Consisting of:

- 1 SEGUFIX®-Compact
- 7 SEGUFIX®-Locks
- 1 SEGUFIX®-Key

**Size:** S / M / L

**Versions:** r / rb / re

**Component part:** item 2150/r  
(locks and keys not included)



The SEGUFIX®-Compact (yellow label) is part of the SEGUFIX®-Bed Restraint System and is made from a cotton/rayon mix.

## 3 Versions → SEGUFIX®-Locks:

|             |             |             |
|-------------|-------------|-------------|
|             |             |             |
| 1206 / 1208 | 1306 / 1308 | 1406 / 1408 |
| Item 2250/r | Item 2350/r | Item 2450/r |

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| Versions – Item no. / identification |                          |             |             |
|--------------------------------------|--------------------------|-------------|-------------|
| Item no.<br>Version                  | Product features         | Span width* |             |
|                                      |                          | mm          | inches      |
| ... /r                               | Attachment strap: medium | 1200 - 1450 | 47.2 - 57.1 |
| ... /rb                              | Attachment strap: short  | 1000 - 1200 | 39.4 - 47.2 |
| ... /re                              | Attachment strap: long   | 1450 - 1700 | 57.1 - 66.9 |

\*Span width: distance between the attachment points on the bed

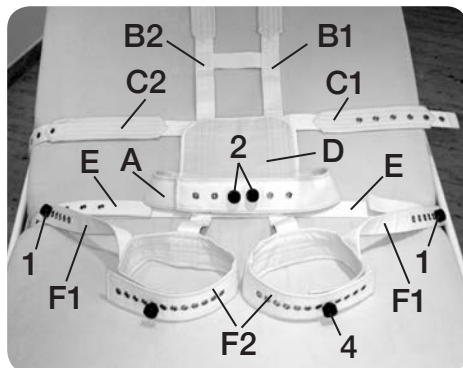
approx. measurements – about 8 % shrinkage possible (products are not pre-washed)

Version r: eyelet strap reinforced for higher demands

## 3 Locking Systems: Item 2250/r, 2350/r, 2450/r

### The SEGUFIX®-Compact consists of:

- Waist belt (A)
- Shoulder straps (B)
- Chest straps (C)
- Padded connection (D)
- Attachment straps (E)
- Thigh straps (F)



### Intended use:

- Patient restraint in bed
- Prevents the patient from escaping upward or downward while arms and legs remain unrestricted
- Physically restraining patients  
(e.g. pathology or disability that requires restraint in a defined position in bed to restrict patients from harming themselves or care givers, e.g. anxiety disorders)

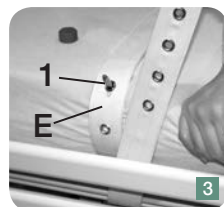
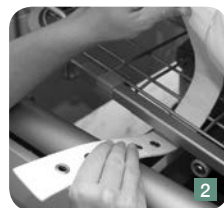
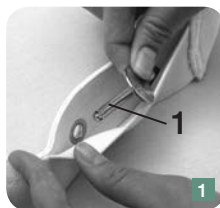
## Instructions for use item 2250/r, 2350/r, 2450/r and 2150/r

### Locks and keys see pages 6 and 7

The many eyelets allow the restraint to be adjusted to fit the patient's size.

### How to attach the SEGUFIX®-Compact to the bed:

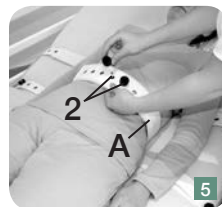
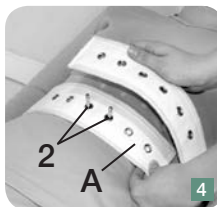
- Lay the Compact on the mattress so that the shoulder straps (B) and the chest straps (C) are pointed towards the head of the bed and the thigh straps (F) to the foot of the bed. All padded parts are facing up.
- Insert the pin of the lock (1) through one of the eyelets of the pin flap on the attachment strap (E).
- Position the waist belt (A) at the height of the patient's waist.
- Direct the attachment strap (E) from inside out around the folding part of the bed, without folding part around the bed frame. Install the attachment strap in such manner that it cannot slide along the bed frame.  
Be sure to pull the attachment strap firmly down and then up around the frame. Then lay the attachment strap tightly with one eyelet over the pin of the lock (1).
- Close the lock (1).
- Install the second attachment strap in the same manner.
- Ensure that the attachment straps are installed very tightly to the bed.



## How to fasten the SEGUFIX®-Compact to the patient:

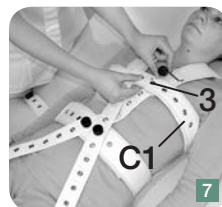
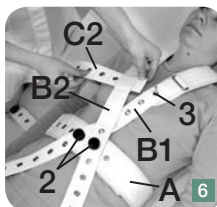
### Waist (A):

- Insert the pins of the locks (2) through one of the eyelets of the pin flap. The metal pin must be in the center of the closed waist belt.
- Wrap the waist belt (A) around the patient's waist, and with the eyelets over the pins of the locks (2).
- Close the locks (2).
- The waist belt must fit snugly, but not restrict breathing. An open hand should fit between patient and waist belt.



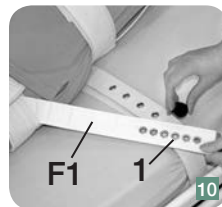
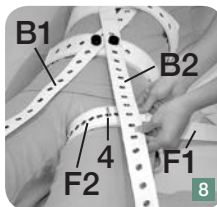
### Shoulder (B):

- Insert the pin of the lock (3) through one of the eyelets of the pin flap.
- Open the locks (2).
- Pull the shoulder straps (B1 and B2), which are pointed towards the head of the bed, over the patient's shoulders, cross them and lay them tightly over the pins of the locks (2).
- Close the locks (2).
- Pull the end of the chest strap (C2) under the right armpit of the patient, insert it through one of the three belt loops of the shoulder strap (B2) – according to the patient's size –, and lay the chest strap tightly with an eyelet over the pin of the shoulder strap (B1).
- Pull the end of the chest strap (C1) under the left armpit of the patient and over the pin of the lock (3) of the shoulder strap (B1), so that the chest strap (C1) fits snugly.
- Close the lock (3).



### Thighs (F):

- Insert the pin of the lock (4) through one of the eyelets of the pin flap.
- Wrap the thigh strap (F2) around the patient's thigh and lay the eyelet over the pin of the lock (4).
- Fasten the shoulder strap (B1) to the respective thigh strap (F2). The shoulder strap (B1) is now placed diagonally across the patient's body.
- Close the lock (4).
- Secure the lateral strap (F1) to the respective lock (1).
- Install the second thigh strap and shoulder strap in the same manner.
- The thigh straps must fit snugly, but not restrict blood circulation.
- Pull on each lock to test for a secure hold. Then lock bed side rails in an up position.

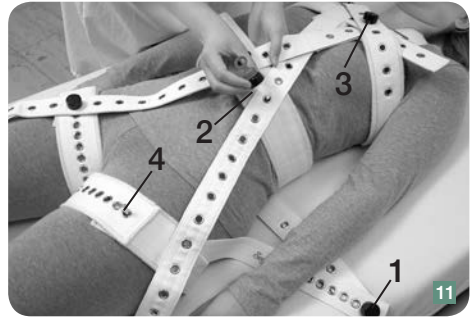


## How to release the restraint and remove it:

See page 7 on how to open the respective locking systems.

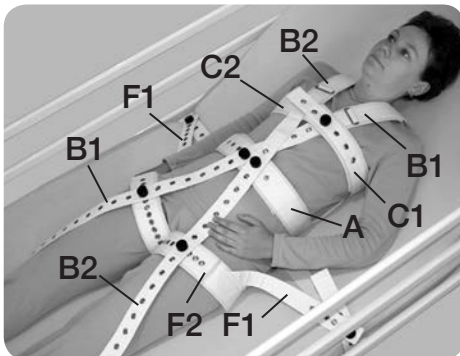
- To release the restraint open the locks (2, 3 and 4) and lift all belt parts off of the pins.
- Then open both locks (1) of the attachment straps and remove the restraint from the bed.

**Follow SEGUFIX®-Safety Information and Warnings on pages 8 - 11**



**WARNING:** Read the Safety Information prior to using the SEGUFIX®-Compact.

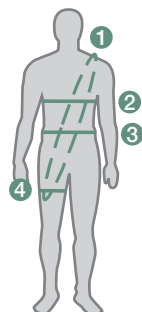
- The SEGUFIX®-Compact does not prevent the patient from sitting-up in bed. To prevent the patient from sitting-up, the SEGUFIX®-Shoulder Additional Belt must be used.
- The thigh straps should be fastened to the patient's thigh as high as possible.
- The chest straps (C1/C2) must be fastened just under the armpit. Otherwise the patient could get out. Make sure that none of the straps hinder or restrict the patient's neck or throat. All straps must be tight but should not restrict breathing or blood circulation.
- Bed side rails must always be locked in the up position. Use only non-parted side rails, or parted side rails with a gap protector (except five-point-restraint).
- The attachment straps (E) of the wide bed belt (D) must be installed in such manner that the wide bed belt lies tightly on the mattress.
- Note that attachment straps and moving mechanics of the bed or mattress may interfere with each other, causing damage, loss of function and injury.
- For more product info visit us online at [www.segufix.com](http://www.segufix.com) or [www.segufix-shop.com](http://www.segufix-shop.com)



| SEGUFIX®-Compact |         |      |         |      |         |      |            |      | Width of straps |        | Span width* |             |
|------------------|---------|------|---------|------|---------|------|------------|------|-----------------|--------|-------------|-------------|
| Size             | Item    | kg   | Item    | kg   | Item    | kg   | Einzelteil | kg   | mm              | inches | mm          | inches      |
| S                | 2250/r  | 1,82 | 2350/r  | 1,96 | 2450/r  | 1,96 | 2150/r     | 1,73 | 70              | 2.8    | 1200-1450   | 47.2 - 57.1 |
| M                | 2250/r  | 2,00 | 2350/r  | 2,14 | 2450/r  | 2,14 | 2150/r     | 1,90 | 70              | 2.8    | 1200-1450   | 47.2 - 57.1 |
| L                | 2250/r  | 2,24 | 2350/r  | 2,38 | 2450/r  | 2,38 | 2150/r     | 2,10 | 70              | 2.8    | 1200-1450   | 47.2 - 57.1 |
| S                | 2250/rb | 1,76 | 2350/rb | 1,90 | 2450/rb | 1,90 | 2150/rb    | 1,67 | 70              | 2.8    | 1000-1200   | 39.4 - 47.2 |
| M                | 2250/rb | 1,94 | 2350/rb | 2,08 | 2450/rb | 2,08 | 2150/rb    | 1,84 | 70              | 2.8    | 1000-1200   | 39.4 - 47.2 |
| L                | 2250/rb | 2,18 | 2350/rb | 2,32 | 2450/rb | 2,32 | 2150/rb    | 2,04 | 70              | 2.8    | 1000-1200   | 39.4 - 47.2 |
| S                | 2250/re | 1,88 | 2350/re | 2,02 | 2450/re | 2,02 | 2150/re    | 1,68 | 70              | 2.8    | 1450-1700   | 57.1 - 66.9 |
| M                | 2250/re | 2,04 | 2350/re | 2,18 | 2450/re | 2,18 | 2150/re    | 1,84 | 70              | 2.8    | 1450-1700   | 57.1 - 66.9 |
| L                | 2250/re | 2,30 | 2350/re | 2,44 | 2450/re | 2,44 | 2150/re    | 2,10 | 70              | 2.8    | 1450-1700   | 57.1 - 66.9 |

\*Span width: Distance between the attachment points on the bed

Tables: approximate measurements – about 8 % shrinkage possible (products are not pre-washed)



| SEGUFIX®-Compact - body measurements |             |             |             |             |             |             |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Size                                 | S           |             | M           |             | L           |             |
|                                      | mm          | inches      | mm          | inches      | mm          | inches      |
| 1 Torso diagonally                   | 1340 - 1540 | 52.8 - 60.6 | 1640 - 1740 | 64.6 - 68.5 | 1940 - 2040 | 76.4 - 80.3 |
| 2 Chest girth                        | 480 - 880   | 18.9 - 34.6 | 750 - 1150  | 29.5 - 45.3 | 1030 - 1430 | 40.6 - 56.3 |
| 3 Waist girth                        | 520 - 820   | 20.5 - 32.3 | 800 - 1200  | 31.5 - 47.2 | 1160 - 1560 | 45.7 - 61.4 |
| 4 Thigh girth                        | 380 - 520   | 15.0 - 20.5 | 500 - 720   | 19.7 - 28.4 | 580 - 880   | 22.8 - 34.7 |

Tables: approximate measurements – about 8 % shrinkage possible  
(products are not pre-washed)



## SEGUFIX®-Magnetic locking system black

| Item | Consisting of:                                       |
|------|--|
| 1206 | 1 Magnetic Button black / segufix.com<br>1 Metal Pin |
| 1208 | 1 Magnetic Key red                                   |
| 1204 | 1 Magnetic Button black / segufix.com                |
| 1205 | 1 Metal Pin  |
| 1209 | 1 Magnetic Key red with key ring                     |



## Push locking system

| Item | Consisting of:              |
|------|-----------------------------|
| 1406 | 1 Push Button<br>1 Push Pin |
| 1408 | 1 Push Lock Key             |
| 1404 | 1 Push Button               |
| 1405 | 1 Push Pin                  |



## SEGUFIX®-Patent Twist locking system green

| Item | Consisting of:                              |
|------|---|
| 1306 | 1 Patent Twist Button green<br>1 Square Pin |
| 1308 | 1 Patent Twist Key yellow                   |
| 1304 | 1 Patent Twist Button green                 |
| 1305 | 1 Square Pin                                |

### Intended use of the Lock:

Closing of the SEGUFIX® systems.

### Intended use of the Key:

Quick release of the locks.

**Caution:** Each locking system only works with its own component parts and is not interchangeable with other locking systems.



**WARNING:** Read the Safety Information prior to using the SEGUFIX®-Locks and Keys.

- Do not submerge locks in any type of liquid. This can cause malfunction.
- Locks and keys must not be laundered.
- Test locks for proper function before each use.
- Examine the head of the pin for damage (wear and tear, rounding off or deformation).
- When closing the lock make sure that the button locks securely onto the pin. You should not be able to pull the button off of the pin.
- When opening locks, ensure movement between the upper and lower points of contact (item 1206). Therefore each lock can hold up to a maximum of 4 belt layers (exception: products with "r" or "f" in the item number have thicker belts. These allow for a maximum of 3 belt layers!). When using the Patent Twist Lock (item no. 1306) use no more than 4 belt layers. When using the Push Lock (item no. 1406) use no more than 3 belt layers.
- If damaged locks fail to open, straps can be cut with scissors or belt cutters.
- For more product info visit us online at [www.segufix.com](http://www.segufix.com) or [www.segufix-shop.com](http://www.segufix-shop.com)

## Instructions for use: SEGUFIX®-Locks and Keys

**Item 1206 / 1208** (SEGUFIX®-Magnetic locking system black)

**Item 1306 / 1308** (SEGUFIX®-Patent Twist locking system green)

**Item 1406 / 1408** (Push locking system)

### How to open the Locks:

#### Item 1206 / 1208

- Set the red Magnetic Key with a light push on top of the black Magnetic Lock.
- Lift both the Magnetic Key and the Magnetic Button off of the Metal Pin (fig. 1).



#### Item 1306 / 1308

- Set the yellow Magnetic Twist Key on top of the green Magnetic Twist Lock.
- Unlock the Patent Twist Lock by turning the Patent Twist Key, and then lift both the Patent Twist Key and the Patent Twist Button off of the Square Pin (fig. 3).



#### Item 1406 / 1408

- Push the two pins of the Push Lock Key into the holes on top of the Push Button to unlock.
- Lift both the Push Lock Key and the Push Button off of the Push Pin (fig. 2).



### How to close the Locks:

- Set the respective button with the opening onto the pin so that it locks in place.
- Now test the lock for a secure hold: You should not be able to pull the button off of the pin.

**Caution:** Each locking system only works with its own component parts and is not interchangeable with other locking systems.

**Follow SEGUFIX®-Safety Information and Warnings on pages 8 - 11**

The following instructions for use are only applicable to original SEGUFIX® products. Do not use the SEGUFIX®-Restraint and Positioning System until you have read and understood the instructions for use.

Only use up-to-date instructions and keep them in a safe and readily available location. Product and instruction must match. Failure to use this product properly can cause serious injury or death. Your patient's safety depends on your using the SEGUFIX® system correctly.

## 1. Requirements for use

It is the user's responsibility to comply with all national laws. Always consider restraining protocols of your work place and current legislation. The instructions for use must be adhered to.

SEGUFIX® products may only be used by individuals with proper training and knowledge of the product. Legal provisions and doctor's orders must be strictly observed! The attending physician must ensure, that the patient's medical condition allows the application of the SEGUFIX® system. Watch for unlikely allergic reactions.

## 2. Intended use

SEGUFIX® products may only be used for the medical purposes, which they were designed for.

## 3. Remove dangerous objects

Remove all objects from the reach of the patient, which could lead to injury or may damage the belts (e.g. glasses, jewelry and sharp objects).

## 4. Inspect products before use



Inspect before each use for broken stitches, torn, worn out or frayed parts and damaged eyelets. Damaged products could malfunction and cause injury. Do not use damaged or worn out products.

## 5. When opening, locks may not be under tension

When opening locks, ensure movement between the upper and lower points of contact (item 1206). Therefore each lock can hold up to a maximum of 4 belt layers (exception: products with "r" or "f" in the item number have thicker belts. These allow for a maximum of 3 belt layers!). When using the Patent Twist Lock (item 1306) use no more than 4 belt layers. When using the Push Lock (item 1406) use no more than 3 belt layers.





## 6. Always attach Side Positioning Straps

The SEGUFIX®-Standard must always be used with the Side Positioning Straps attached. Side Positioning Straps prevent the patient from helicoptering in bed or from getting over the edge of the bed causing compression of the chest, possibly resulting in death.

In some cases it is possible that patients get over the edge of the bed even with the Side Positioning Straps attached and the side rails in the up position. In these cases additional restraint measures must be taken.

Important: Insert the Side Positioning Straps through the respective loops (according to instructions) before securing them to the bed belt.

## 7. Beds, chairs and stretchers

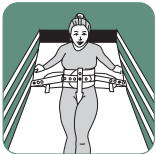
- Only use SEGUFIX® products on beds, stable chairs and stretchers that allow the product to be attached to, in accordance with the instructions.
- Products must be attached in such manner, that they cannot get out of place.
- Note that straps and moving mechanics of beds, stretchers or chairs (or alternating pressure pads and the like), may interfere with each other causing damage, loss of function and injury.
- The attachment points must be free of sharp edges.
- SEGUFIX® products do not prevent beds, chairs or stretchers from tipping over or from unintended movement.

Helpful hints:

European standards for beds: DIN EN 60601-2-52

European standards for wheelchairs: DIN EN 12182 and DIN EN 12183

## 8. All side rails must be in the up position



To prevent accidents always lock side rails in the up position (exception: 5-point-restraint).

Caution: Do not use with parted side rails except with a gap protector that effectively prevents the patient from slipping through the gap. An open gap could allow the patient to slip through even with the restraint fastened possibly causing compression of the chest.

## 9. Monitor patients in restraints



Patients in restraints require frequent monitoring.

Aggressive, agitated or restless patients and patients in danger of aspiration require constant monitoring.

## 10. Test closure-systems prior to each use



Check SEGUFIX®-Magnetic Locks black/segufix.com, SEGUFIX®-Patent Twist Locks green, Push Locks, Snap Locks, Velcro® Fasteners and Buckle Locks for a secure hold.

Do not submerge locks in any type of liquid. This may cause malfunction. If damaged locks fail to open, straps can be cut with scissors or belt cutters. Check the head of the pin for signs of wear and tear (rounding off

or deformation).

## 11. Pacemaker Warning



A distance of 10 cm (4 inches) must be maintained between a patient's pacemaker and magnetic locks and keys to prevent the pacemaker from possible malfunction (alternatively use Push Locks).

For possible interference of strong magnets with other patient implants please refer to manufacturer's instructions of these products.

## 12. Test products for correct attachment

Frequently check products for correct attachment. The straps must be tightly secured to the folding part of the bed, without folding part around the bed frame. The straps must stay in place tightly.

## 13. Only use original SEGUFIX® products

For safety reasons SEGUFIX® products must not be altered or be combined with third party products.

## 14. Use of SEGUFIX® products in vehicles



The SEGUFIX®-Transport Belt System does not replace the vehicle's legally required seat belt system. SEGUFIX®-Transport Belts may only be used as additional support or for restraint of a patient. Make sure that the patient can be rescued quickly in case of emergency (e.g. clearly visible and handy belt cutters).

## 15. Secure but not too tight

The restraints must be fastened tightly, but not interfere with breathing or blood circulation. Loosely fastened products may jeopardize the patient's safety. Frequently check products for correct position.

## 16. Storage

To prolong product life, store belts and locking systems in dry and dark conditions at about 20 °C.



## 17. Flammability of SEGUFIX®-Bed Restraints



According to DIN EN 71-2 section 4.3 non-flammable.

According to DIN 75200 the burning rate is zero.

However, products may not come in contact with cigarettes or be exposed to open flame, as this could permanently damage the products, and this could lead to injury.

## 18. Correct sizing

Always choose the right size is of essential importance. Make sure that the size matches body and waist sizes (refer to sizing tables). Products that are too small or too large compromise the patient's comfort and safety.

## 19. Disposal

Cardboard → recyclables

Plastic wrapping → recyclables or household garbage depending on local regulations

No longer functional products → household garbage

## 20. Declaration of conformity

For the declaration of conformity please visit:  
[https://www.segufix.com/conformity\\_en.php](https://www.segufix.com/conformity_en.php)

## 21. Expert recommendation to prevent accidents

(Prof. Dr.-Ing. U. Boenick, TU-Berlin)

1. Always use Side Positioning Straps
2. Lock non-parted side rails in the up position  
(exception: five-point-restraint)
3. The use of additional restraint elements may be necessary to eliminate bed egress.

## 22. Ensure prior to each use

- Test locks for a secure hold
- Visual inspection of belts, straps and eyelets
- Ensure sufficient medical indication
- Check legal requirements

## 23. Serious incidents

Serious incidents must be reported to the responsible authorities and to the manufacturer.

# Care Instructions

- **SEGUFIX®-Restraints** (white) are made of a cotton/rayon mix and are washable in hot wash cycles up to 95 °C. Lower temperature and laundry nets will prolong product life. Avoid methods that might bend metal parts of the system (e.g. laundry line, dry pressing, rotary irons), eyelets may be damaged.  
Not pre-washed, up to 8 % shrinkage. Store in a dry place.  
Detergents: non-aggressive, no fabric softener, no bleach.  
Dryer: delicate cycle at low temperature and preferably in the laundry net.  
Disinfection: may be disinfected using chemothermal disinfection washing procedure.  
Overdosing can damage the product.
- **SEGUFIX®-Transport Belts** (coloured/black) are made of polyester and are washable in warm wash cycles up to 30 °C.  
Avoid methods that might bend metal parts of the system (e.g. laundry line, dry pressing, rotary irons), eyelets may be damaged. Store in a dry place.  
Detergents: non-aggressive, no fabric softener, no bleach.  
Dryer: delicate cycle at low temperature and preferably in the laundry net.
- **SEGUFIX®-Locks and metal pins**: remove all locks and metal pins before washing or drying. Laundering will damage locks and possibly cause them to fail. Locks may be cleaned and deinfected with a damp cloth. Never submerge locks in any type of liquid.
- **Velcro® Fastener**: fasten before washing and drying to prevent lint buildup. Occasionally use a stiff brush to remove lint from Velcro® Fastener. Even with normal use, Velcro® material has the tendency to collect lint. This can reduce the grip strength. Before each use, test grip strength of the Velcro® Fastener.
- **Durability**: depends on the intensity of use and is prolonged by gentle laundry procedures (detergent/laundry net).

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