

# Compass Chair

R310, R320, R330, R340 & R350 Product Manual



# Contents

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|                                     |     |
|-------------------------------------|-----|
| Important information               | 3   |
| Safety messages                     | 4   |
| Recommended use and item dimensions | 5   |
| Check your order                    | 6   |
| Basic components                    | 6   |
| Accessories                         |     |
| Seat belt                           | 7   |
| Stability feet                      | 7   |
| Operation                           | 8-9 |
| Maintenance, cleaning and warranty  | 10  |
| Materials and user modifications    | 11  |


## IMPORTANT


Please save this product manual for future reference. Additional copies are available at [www.rifton.com](http://www.rifton.com)

## Key for users

Use this key to determine which sections of this product manual apply to you.

 **Technical Users** For professionals who order and set up Rifton products.

 **Home Users** For care-givers who use Rifton products on a regular basis.

 **Maintenance Personnel** For anyone who is responsible for service or re-ordering of Rifton products and parts.

## **WARNING**




- Thoroughly read and understand the information in this product manual before attempting to use this product. If the procedures and instructions in this product manual are not followed, serious injury or death could occur.
- A qualified professional must assess the appropriateness and safety of all equipment for each user.
- This product is intended for use by clients of unreliable judgment. Adult supervision is required at all times.
- To prevent falls and injuries, ensure the appropriate use of straps and supports at all times. Straps and supports are provided for the safety of the user and must be carefully adjusted for comfort and security.
- To prevent falls, strangulation, head entrapment or other injuries:
  - When using the seatbelt, ensure that it is reasonably snug.
- Do not use this product for clients outside the height and weight limits specified in this manual.
- To prevent structural failure, which may result in serious injury or death:
  - Inspect this product and accessories regularly for loose or missing screws, metal fatigue, cracks, missing attachments, general instability or other signs of excessive wear.
  - Immediately remove this product from use when any condition develops that might make operation unsafe.
  - Do not use Rifton components or products for any purpose other than their intended use.

## Recommended use

The Rifton Compass Chair is a Class 1 medical device. It is a classroom chair with armrests. The raised sides of the seat provide lateral hip support, and the high armrests help users with poor upper trunk muscle control maintain their posture. Together these features provide sensory boundaries. The ergonomic shape of the seat and back promotes good sitting posture. The legs may be adjusted slightly for seat height or tilt. An optional seat belt can be used for hip positioning and stabilization.

## User and item dimensions

| User dimensions<br>inches (cm) | R310 size 1     | R320 size 2        | R330 size 3        | R340 size 4        | R350 size 5        |
|--------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| Height                         | 36-43 (91-109)  | 43-48 (109-122)    | 48-55 (122-140)    | 55-63 (140-160)    | 63+ (160+)         |
| Knee to heel                   | 9-11<br>(23-28) | 10½-12½<br>(27-32) | 12½-14½<br>(32-37) | 14½-16½<br>(37-42) | 16½-18½<br>(42-47) |



**Key user dimension: height**  
The user's overall height is a general guide to help you select the appropriate size. Choose the model that allows for growth.

**Important:** Make sure that seat width, depth, and height are adequate for each individual user, and that the user's weight does not exceed the maximum weight recommended.

| Item dimensions<br>inches (cm)  | R310                      | R320                          | R330                          | R340                          | R350                          |
|---------------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Seat height                     | 9, 10, 11<br>(23, 25, 28) | 10½, 11½, 12½<br>(27, 29, 32) | 12½, 13½, 14½<br>(32, 34, 37) | 14½, 15½, 16½<br>(37, 39, 42) | 16½, 17½, 18½<br>(42, 44, 47) |
| Seat depth                      | 9½ (24)                   | 11 (28)                       | 12¾ (32½)                     | 14¾ (37½)                     | 16½ (42)                      |
| Seat width                      | 10½ (27)                  | 12¼ (31)                      | 14 (36)                       | 16¼ (41½)                     | 18¼ (46½)                     |
| Backrest height                 | 9½ (24)                   | 11 (28)                       | 12½ (32)                      | 14¼ (36½)                     | 16 (41)                       |
| Armrest height<br>above seat    | 5½ (14)                   | 6 (15)                        | 7 (18)                        | 8¼ (21)                       | 8¾ (22½)                      |
| Armrest length                  | 6½ (17)                   | 7½ (19)                       | 8½ (22)                       | 9¾ (24½)                      | 11 (28)                       |
| Max. working load -<br>lbs (kg) | 100 (45)                  | 120 (55)                      | 175 (80)                      | 220 (100)                     | 250 (113)                     |

# Check your order

The basic Compass Chair comes fully assembled, complete with 4 adjustable legs with rubber tips.

**If your shipment is incomplete or in any way damaged on arrival, please call Customer Service, 800.571.8198.**

## Basic item



### Height-adjustable legs

**Figure 6a:** Push the button and slide the adjustable leg to the desired position.



Figure 6a

## Accessories

### Seat belt

**Figure 7a:** Clip the seat belt into the seat when needed by a particular user for safety or postural support. The seat belt opens and closes in the front with a side-release buckle. The buckle can be positioned to either side or in the middle.



Figure 7a

**Figure 7b:** Remove the seat belt by squeezing the two plastic tabs together on the seat belt mounting clip (A) underneath the seat.



Figure 7b

### Stability feet

**CAUTION** To avoid breakage and the potential for injury, never tilt the seat when the stability feet are in use.

**Figure 7c:** For users who require greater stability to prevent the chair from tipping backwards, stability feet can be attached to the rear legs in place of the standard adjustable feet.



Figure 7c

## Operation

The Compass Chair is intended for children and adults with mild disabilities who require a small amount of extra postural support. The armrests are short enough to position the student close to a table and are the optimal height to aid in transfers.

Some users may benefit from the additional support of an optional seat belt to enhance their safety, comfort and function in the seated position.

**Figure 8a:** The Compass Chair's wide footprint makes it inherently stable. For users who require even greater stability to prevent tipping, the optional stability feet can be attached to the rear legs.



Figure 8a



## Slight tilt

### **⚠️ WARNING**

To prevent falls and injury:

Adjusting the chair to tilt back by shortening the rear legs while extending the front legs will make the chair less stable. This position should be used with caution, and only for users who do not tend to tip backward.

**Figure 9a:** Adjusting the front legs longer or shorter than the rear legs makes it possible to position the chair in a slight posterior or anterior tilt.



Figure 9a

## Maintenance 🛠️

This product is designed and tested for an expected life of 5 years when used and maintained in accordance with this manual. At all times, clients must ensure that the product remains in a safe and useable condition, including regular maintenance and inspections as specified in this product manual.

To prevent structural failure, which may result in serious injury or death:

- Inspect this product and accessories regularly for loose or missing screws, metal fatigue, cracks, broken welds, missing attachments, general instability or other signs of excessive wear.
- Immediately remove this product from use when any condition develops that might make operation unsafe.
- Do not use Rifton components or products for any purpose other than their intended use.
- Replace or repair components or products that are damaged or appear to be unstable.
- Use only Rifton authorized replacement parts. Order information for replacement parts is provided on the back of this product manual.

## Cleaning 🧑 🏠 🛠️

Clean with disinfectant wipes or a solution of up to 10% bleach.

## Warranty Statement 🧑 🏠 🛠️


If a Rifton product breaks or fails in service during the first year, we will replace it free of charge.

## Materials

- Steel hardware items (nuts, bolts, screws, etc) are zinc/nickel plated for excellent resistance to corrosion.
- Frames are aluminum extrusions, bolted together, with black anodized coating.
- Straps are typically made of polypropylene or nylon webbing.
- Plastic components are typically injection molded from a variety of industrial resins.

All materials are latex, lead and phthalates free.

## User modifications

** WARNING** To prevent serious injury or death, do not modify or alter Rifton products or components, or use Rifton products or components in conjunction with products from other manufacturers. Rifton does not accept responsibility for any modifications or alterations made to our components or products after they leave our premises. Customers modifying or altering our components or products, or using them in conjunction with products from other manufacturers, do so at their own risk.

# Rifton Contact Information



## Email

[Sales@Rifton.com](mailto:Sales@Rifton.com)



## Phone

**800.571.8198**  
9–5 EST



## Mail

Rifton Equipment  
PO Box 260  
Rifton NY 12471–0260



## Fax

**800.865.4674**



## Online

[www.Rifton.com](http://www.Rifton.com)

## To order replacement parts

1. **Locate the ID number** of the product on the small white label.
2. Have this number available when you call **800.571.8198** for your customer service representative.

### **Use only replacement parts supplied by Rifton Equipment.**

We are glad to supply replacement parts. Although Rifton makes every effort to supply correct parts and instructions for repairing or refurbishing your equipment, you are responsible to make sure that the repairs or modifications are correctly and safely completed.



Find important details and informative facts about the Compass Chair at:  
[www.rifton.com/compasschair](http://www.rifton.com/compasschair)