

Compass Chair

Compass Chair

R310, R320, R330, R340 & R350 Product Manual



Contents

Important information	2
Safety messages	3
Recommended use and item dimensions	4
Check your order	5
Basic item	5
Components	
Seat belt	5
Leg options	6–7
Pelvic harness	8
Rocking chair base	9
Anti-tip base	10
Operation, Materials and user modifications	11
Maintenance, cleaning and warranty	12
Contact information	16

IMPORTANT

Please save this product manual for future reference. Additional copies are available at 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 components 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 for seat height. An optional seat belt or pelvic harness can be used for hip positioning and stabilization.

User and item dimensions

User dimensions inches (cm)	R310 size 1	R320 size 2	R330 size 3	R340 size 4	R350 size 5
Height	36–45 (91–114)	43–50 (109–127)	48–57 (122–145)	55–65 (140–165)	65+ (165+)
Knee to heel	9–13 (23–33)	10½–14½ (27–37)	12½–16½ (32–42)	14½–18½ (37–47)	16½–20½ (42–52)
 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 inches (cm)	R310	R320	R330	R340	R350
Seat height * in 1" (2½ cm) increments	9–13 (23–33)	10½–14½ (27–37)	12½–16½ (32–42)	14½–18½ (37–47)	16½–20½ (42–52)
Base footprint (WxL)	14 x 14 (36 x 36)	16 x 15½ (41 x 39)	18½ x 17 (47 x 43)	21 x 20 (53 x 51)	24 x 22½ (61 x 57)
Base footprint with stability feet (WxL)	20 x 20 (51 x 51)	22 x 23½ (56 x 60)	24½ x 25 (62 x 64)	27 x 28 (69 x 71)	30 x 30½ (76 x 77)
Base footprint with rocking chair base (WxL)	15 x 24 (38 x 61)	16½ x 26½ (42 x 67)	18½ x 29 (47 x 74)	21 x 33 (53 x 84)	24 x 36½ (61 x 93)
Base footprint with anti-tip base (WxL)	18 x 22 (46 x 56)	19½ x 24 (50 x 61)	22 x 27 (56 x 69)	24 x 31 (61 x 79)	26 x 33 (66 x 84)
Seat depth	9½ (24)	11 (28)	12¾ (32½)	14¾ (37½)	16½ (42)
Seat width	10½ (27)	12¾ (31)	14 (36)	16¼ (41½)	18¼ (46½)
Backrest height	9½ (24)	11 (28)	12½ (32)	14¾ (36½)	16 (41)
Armrest height 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 - lb (kg)	100 (45)	120 (55)	175 (80)	220 (100)	250 (113)

* If using the rocking chair base, add 2 inches to seat height.

Check your order

The basic Compass Chair comes assembled in one box with your choice of leg options and other components included.

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

Basic item



Figure 5a

Components

Seat belt

Figure 5b: To attach, press the clip firmly into the slot at the side of the seat, making sure it audibly locks into place and holds when pulled. 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 5b

Figure 5c: Remove the seat belt by squeezing the two plastic tabs together on the seat belt mounting clip (A) underneath the seat.



Figure 5c

Adjustable legs

⚠ CAUTION

To prevent tipping, always ensure that all four legs are adjusted to the same length.

Figure 6a: The adjustable legs can be selected with either standard (black) or low friction (blue) chair tips.



Figure 6a

Figure 6b: Push the button (A) and slide the adjustable leg to the desired position. Adjustable legs have rubber tips for greater floor traction.



Figure 6b

Stability feet

Figure 6c: For users who require greater stability to prevent the chair from tipping, stability feet can be attached to the front and rear legs over the top of the standard adjustable leg.



Figure 6c

Installation

Figure 6d: Slide the stability foot over the ends of the legs until the trigger engages. For removal, release the trigger (B) underneath the stability foot and remove it from the leg.

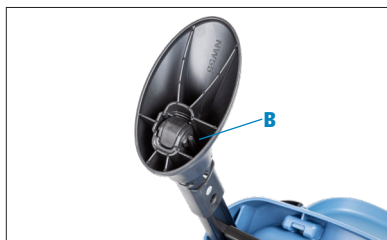


Figure 6d

Dynamic feet

⚠ CAUTION

To prevent tipping or injury, ALWAYS install the rear dynamic feet facing outward for stability.

Figure 6e: The dynamic feet provide just enough movement to help users focus and release energy while still providing a sense of security. The balls are stationary, quiet, highly durable, and replaceable with any standard racquetball.

For students who benefit from more stability, the dynamic feet can be used on just the front or back legs with stability feet attached opposite.



Figure 6e

Installation/removal

Attach the dynamic feet to the ends of the adjustable legs by slipping the socket over the leg tip. To remove the dynamic feet, release the plastic spring finger opposite the ball, using your finger or a flat object such as a coin, key or flat screwdriver.

The dynamic feet can also be paired with stability feet, either front or rear. Installing the **front** dynamic feet facing inward provides a more active sideways motion as well as allowing the chair to fit easier under a classroom desk.

Figures 7a and 7b: See images below for a visual guide to appropriate and inappropriate installation of the dynamic feet.

Installation of Dynamic Feet

Figure 7a

✓ **Correct placement**



✗ **Incorrect placement**



Installation of Dynamic Feet with Front or Rear Stability Feet

Figure 7b

✓ **Correct placement**



✓ **Correct placement**



✗ **Incorrect placement**



Pelvic harness

Note: The pelvic harnesses come in sizes 1–5 to match the corresponding Compass Chair sizes.

The pelvic harness may be used in place of a seatbelt as the primary means of securing a user in the chair. This option provides a stable base for developing sitting postural control. The pelvic harness firmly positions the user's pelvis by securing hips and upper thighs without placing pressure on the abdomen.

Figure 8a: To attach the pelvic harness, place it on the seat with the wide ends towards the back of the seat and the strap attachment points down. Insert the clips into the slots, the same way that the seat belt is attached (see page 5).

Figures 8b and 8c: With the harness pad flat on the chair, seat the client in the chair. Pull each end of the pad up between the legs and over the near leg (e.g., left pad end over the left leg). Thread the straps around the back of the armrests and secure the buckles. Tighten the straps as necessary.



Figure 8a



Figure 8b



Figure 8c

Rocking chair base

⚠ CAUTION

To prevent tipping, always ensure that all four legs are adjusted to the same length.

Figure 9a: The rocking chair base installs tool-free and allows height adjustment of the chair's legs while it is installed.

Installation

Figure 9b: To install the rocking chair base, guide the front and rear legs of one side of the chair into the plastic brackets on one rocker. Repeat this action on the other side of the chair with the second rocker. The label on each rocker should point toward the rear of the chair. **TIP:** Place the chair on its side on the floor for the easiest installation.

NOTICE

Ensure that front legs are fully inserted into the front brackets with release triggers in the downward position. Rear legs must be captured in rear brackets.

Removal

Figure 9c: To remove the rocking chair base, lift the plastic trigger (A) on the round housing and slide the rocker toward the front of the chair to disengage from the chair legs. Repeat this action with the other rocker. **TIP:** Place the chair on its side on the floor for the easiest removal of the rocking chair base.



Figure 9a



Figure 9b



Figure 9c

Anti-tip base



CAUTION To prevent tipping, always ensure that all four legs are adjusted to the same length.

Figure 10a: The anti-tip base installs tool-free.

Installation

Figure 10b: To install the anti-tip base, set the chair on the base with each leg in front of a plastic bracket. The chair should be oriented so that the label on the base points toward the rear of the chair. Then push the chair back into the base until each leg engages with a bracket. Ensure that the front bracket triggers lock into place (audible click).



NOTICE Ensure that front legs are fully inserted into the front brackets with release triggers in the downward position. Rear legs must be captured in rear brackets.

Removal

Figure 10c: To remove the anti-tip base, simultaneously lift both plastic triggers at rear of front brackets and pull the chair forward to disengage each leg from a bracket.



Figure 10a



Figure 10b



Figure 10c

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 11a: 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 front and/or rear legs.

The dynamic feet also attach to both the front and rear legs, and provide just enough movement to help users focus and release energy while still providing a sense of security. They can be used in conjunction with the stability feet or standard leg options.



Figure 11a

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 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.

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 usable 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 components 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.

Rifton Contact Information



Email

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

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