

# ROHO® QUADTRO SELECT® Cushion Inflation and Adjustment Guide

The QUADTRO SELECT® has four compartments of air cells. When the ISOFLO® Memory Control is open, the air flows freely between the compartments. When the ISOFLO is closed, the air is “locked” within each compartment. The inflation level of each compartment can be separately adjusted. This allows you to correct or accommodate side-to-side and/or anterior-posterior asymmetries of the pelvis and upper legs. NOTE: Before adjusting the cushion for an asymmetry, you MUST adjust the air inflation level to the **proper cushion inflation setting** as outlined below.

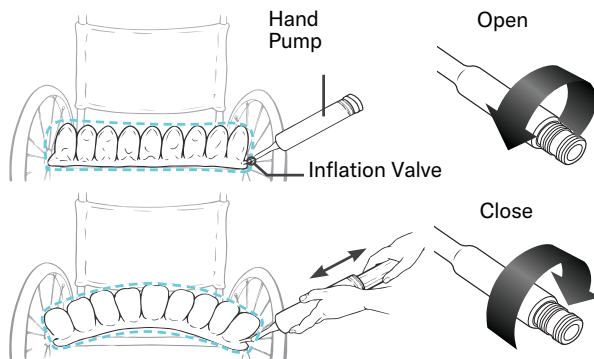
**Inflate and adjust** the ROHO QUADTRO SELECT® cushion for a new individual

**Check** the inflation level daily by performing a hand check

**Re-adjust** the inflation level only as needed (typically every 3-4 months)

## QUADTRO SELECT® Setup

1. Place the QUADTRO SELECT® cushion in the wheelchair with the air cells facing up and the non-skid surface of the cover facing down.
2. Before inflating, you must open the ISOFLO Memory Control so that all of the air cells inflate. To open, push green knob toward the unlocked position.
3. Slide the rubber nozzle of the hand pump over the inflation valve. Pinch the nozzle, turn to open the inflation valve, and overinflate the air cells until cushion begins to arch slightly.

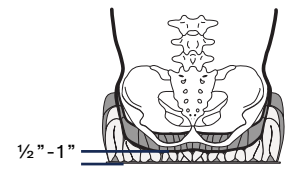
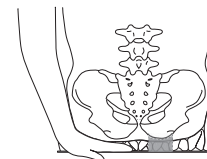
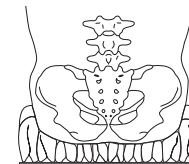
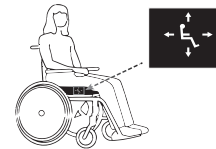


4. Remove the hand pump.

## QUADTRO SELECT® Adjustment

After overinflating the cushion, perform a hand check to adjust to the **proper cushion inflation setting**:

1. The individual should sit in the chair in their usual position. The cushion should be centred beneath the individual.
2. Perform a hand check:
  - a. Slide your hand between the cushion and the individual. Lift the leg slightly and feel for the lowest bony prominence, and then lower the leg to a sitting position.
  - b. Open the inflation valve to remove air, keeping your hand beneath the individual's lowest bony prominence.
  - c. Release air until you can slightly move your fingertips. Close the inflation valve.



Proper cushion inflation setting ½"-1" (1.5cm-2.5cm)

## Hand Check Results

- If you can slightly move your fingertips: the cushion is at the **proper cushion inflation setting** (½" - 1" air between the lowest bony prominence and the seat surface) and no further adjustment required.
- If you can easily move your fingertips: there is too much air between the lowest bony prominence and the seat surface. Open the inflation valve and slowly release air until you can barely move your fingertips, then close the inflation valve.
- If you cannot move your fingertips at all: there is too little/no air between the lowest bony prominence and the seat surface. Open the inflation valve and slowly add air until you can slightly move your fingertips, then close the inflation valve.

See reverse side for instructions on how to adjust QUADTRO SELECT® for postural asymmetries



Please refer to the Operation Manual for other safety, setup, and adjustment information regarding the QUADTRO SELECT® cushion.

# ROHO® QUADTRO SELECT® Cushion Inflation and Adjustment Guide

NOTE: Before adjusting the cushion for an asymmetry, you MUST perform a hand check to adjust the air inflation level to the proper cushion inflation setting as detailed on the reverse side of this document

## To correct a reducible (flexible) posterior pelvic tilt (anterior-posterior asymmetry)

1. Make sure the ISOFLO Memory Control is open (press green knob in). FIGURE 1
2. Make sure the pelvis is located at the back of the cushion, in a neutral and upright position. FIGURE 2
3. Use your hands to create downward pressure on both sides of the pelvis to force air to the front quadrants and create a contour for the pelvis that will help discourage forward migration; close the ISOFLO Memory Control (press red knob in), and then release the pressure on the pelvis. FIGURE 3
4. Perform a hand check and make sure there is a minimum of ½ - 1" of air between the ischial tuberosity and the seat surface. FIGURE 4

## To correct a reducible (flexible) pelvic obliquity (lateral asymmetry)

1. Make sure the ISOFLO Memory Control is open (press green knob in) FIGURE 1
2. Make sure the pelvis is positioned at the back of the cushion. FIGURE 2
3. Position the pelvis in a neutral and upright position by pressing down on the higher side of the pelvis until the pelvis is level. FIGURE 5 & 6. This will force more air into the quadrant under the lower side of the pelvis to help prevent it from tilting to that side. FIGURE 7
4. Close the ISOFLO Memory Control (press red knob in), release your pressure on the pelvis. FIGURE 3
5. Perform a hand check and make sure there is a minimum of ½ - 1" of air between the ischial tuberosity and the seat surface. FIGURE 8

## To accommodate a non-reducible (fixed) postural asymmetry

1. Make sure the ISOFLO Memory Control is open (press green knob in). FIGURE 1
2. Have the individual sit on the cushion in the most upright and midline posture that they can achieve. FIGURE 9
3. Close the ISOFLO Memory Control (press red knob in). This will help hold the pelvis in the best posture that is achievable by that individual and prevent further progression into asymmetry. FIGURE 3
4. Perform a hand check and make sure there is a minimum of ½ - 1" of air between the lowest ischial tuberosity and the seat surface. FIGURE 8 & 10

Figure 1



Figure 2

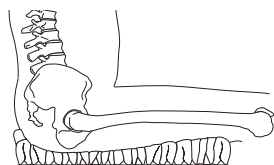


Figure 5

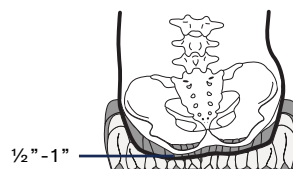


Figure 6

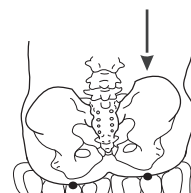


Figure 9

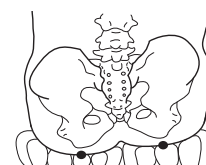


Figure 10

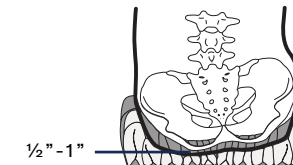


Figure 3

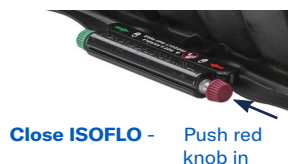


Figure 4

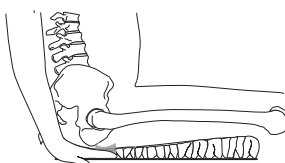


Figure 7

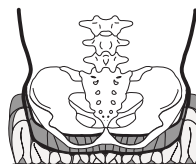
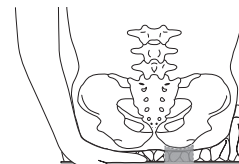


Figure 8



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