

Q'Straint Q-8301-SC

Q'Straint QRT MAX for Slide n' Click

MODEL: Q-8301-SC USER MANUAL

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Q'Straint QRT MAX for Slide n' Click wheelchair tie-down system, Model Q-8301-SC. This system is designed to securely restrain wheelchairs during transportation, ensuring the safety of the occupant. The QRT MAX retractors feature automatic self-locking and self-tensioning capabilities, simplifying the securement process.

Please read this manual thoroughly before using the product to ensure safe and effective operation.

2. SAFETY INFORMATION

Always prioritize safety when installing and operating the QRT MAX system. Failure to follow these instructions can result in serious injury or death.

- Ensure all components are in good working order before each use. Inspect for wear, damage, or corrosion.
- This system is designed for use with Slide 'N Click mounting points only. Do not attempt to use with incompatible mounting hardware.
- Always secure the wheelchair according to the manufacturer's instructions and applicable safety standards.
- Ensure the wheelchair occupant is properly secured with an occupant restraint system (e.g., lap and shoulder belt) in addition to the wheelchair tie-downs.
- Do not modify the QRT MAX system components. Use only genuine Q'Straint replacement parts.
- Regularly inspect webbing for cuts, fraying, or excessive wear. Replace damaged components immediately.

3. COMPONENTS

The Q-8301-SC kit includes the following components:

- Four (4) QRT MAX Retractors with Slide 'N Click fittings.
- Associated mounting hardware for Slide 'N Click anchorages.



Image 1: Overview of the QRT MAX for Slide 'N Click system components, including four retractors and their corresponding mounting hardware.

4. SETUP AND INSTALLATION

The QRT MAX retractors are designed for quick and secure attachment to Slide 'N Click anchorages. Ensure the vehicle floor is clean and free of obstructions before installation.

1. **Prepare Mounting Points:** Ensure the Slide 'N Click anchorages are properly installed in the vehicle floor according to their specific instructions.
2. **Attach Retractors:** Align the Slide 'N Click fitting on the QRT MAX retractor with the corresponding anchorage point. Press down firmly until you hear a distinct "click," indicating it is securely locked into place.
3. **Verify Connection:** Gently pull on the retractor to confirm it is firmly attached to the anchorage. It should not lift or disengage.
4. **Position Wheelchair:** Maneuver the wheelchair into the desired position within the vehicle.

5. **Connect to Wheelchair:** Attach the hook end of each QRT MAX retractor's webbing to a structural frame member of the wheelchair. Refer to the wheelchair manufacturer's instructions for recommended securement points.



Image 2: Detailed view of the QRT MAX retractor's Slide 'N Click fitting engaged with a floor anchorage.

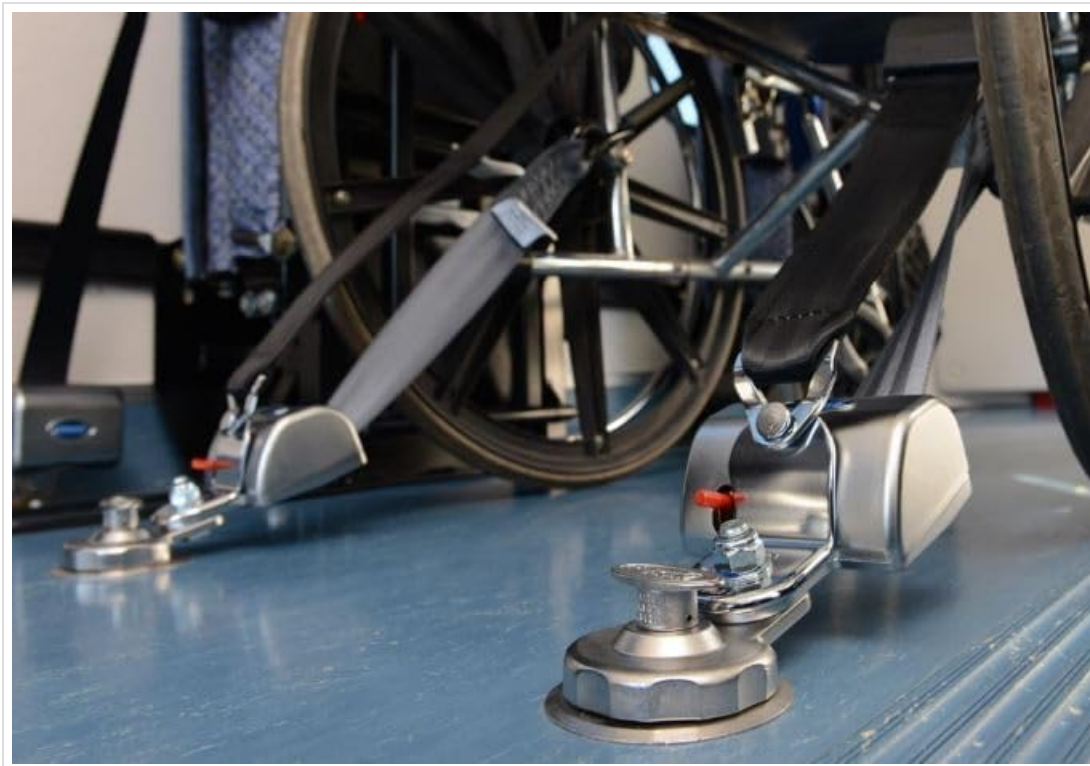


Image 3: The QRT MAX system in use, demonstrating how the retractors secure a wheelchair to the vehicle floor.

5. OPERATING INSTRUCTIONS

The QRT MAX system is designed for knob-less, one-handed operation with automatic self-locking and self-tensioning features.

1. **Engaging the Retractor:** Once the retractor is attached to the floor anchorage and the hook is connected to the wheelchair, pull the webbing out slightly. The retractor will automatically self-lock and begin to self-tension as the wheelchair is positioned.
2. **Achieving Proper Tension:** Gently rock the wheelchair side-to-side and front-to-back to allow the retractors to automatically take up any slack and achieve optimal tension. No manual tensioning is required.
3. **Disengaging the Retractor:** To release the webbing, pull the webbing out slightly and then allow it to retract slowly. To remove the retractor from the floor anchorage, locate the red release lever (visible in Image 4) and depress it while lifting the retractor from the anchorage.



Image 4: Front view of a QRT MAX retractor, showing the webbing exit point and the red release lever.



Image 5: Rear view of a QRT MAX retractor, displaying the caution label on the webbing.

6. MAINTENANCE

Regular inspection and maintenance are crucial for the longevity and safe operation of your QRT MAX system.

- **Daily Inspection:** Before each use, visually inspect all retractors, webbing, hooks, and mounting hardware for any signs of damage, wear, cuts, fraying, or corrosion.
- **Cleaning:** Clean webbing and hardware with mild soap and water. Do not use harsh chemicals or abrasive cleaners. Allow components to air dry completely before storage or next use.
- **Storage:** Store retractors in a clean, dry place away from direct sunlight and extreme temperatures when not in use. Ensure webbing is fully retracted to prevent tangling or damage.
- **Replacement:** Any component showing signs of significant wear, damage, or malfunction must be replaced immediately. Do not attempt to repair damaged components.

7. TROUBLESHOOTING

If you encounter issues with your QRT MAX system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Retractor does not self-tension.	Webbing is twisted or obstructed; internal mechanism issue.	Ensure webbing is flat and untwisted. Check for obstructions. If problem persists, replace retractor.

Problem	Possible Cause	Solution
Retractor does not lock into floor anchorage.	Anchorage is dirty or damaged; retractor fitting is damaged.	Clean anchorage point. Inspect retractor fitting for damage. Replace damaged components.
Webbing is difficult to pull out or retract.	Webbing is dirty, frayed, or mechanism is obstructed.	Clean webbing. Inspect for fraying. Check for internal obstructions. Replace if necessary.

If troubleshooting steps do not resolve the issue, contact Q'Straint customer support or a certified technician.

8. SPECIFICATIONS

Attribute	Detail
Model Number	Q-8301-SC
Manufacturer	Q'Straint
Number of Items	4 (Retractors)
Item Weight	12 pounds (total package)
Product Dimensions	12 x 12 x 12 inches (package)
Finish	Metallic
Mounting Type	Slide 'N Click
Batteries Required	No

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or replacement parts, please contact Q'Straint directly through their official website or customer service channels. Always provide your product model number (Q-8301-SC) when seeking support.