

Q'STRAIT® QRT-360® 4-Point Wheelchair Securement System

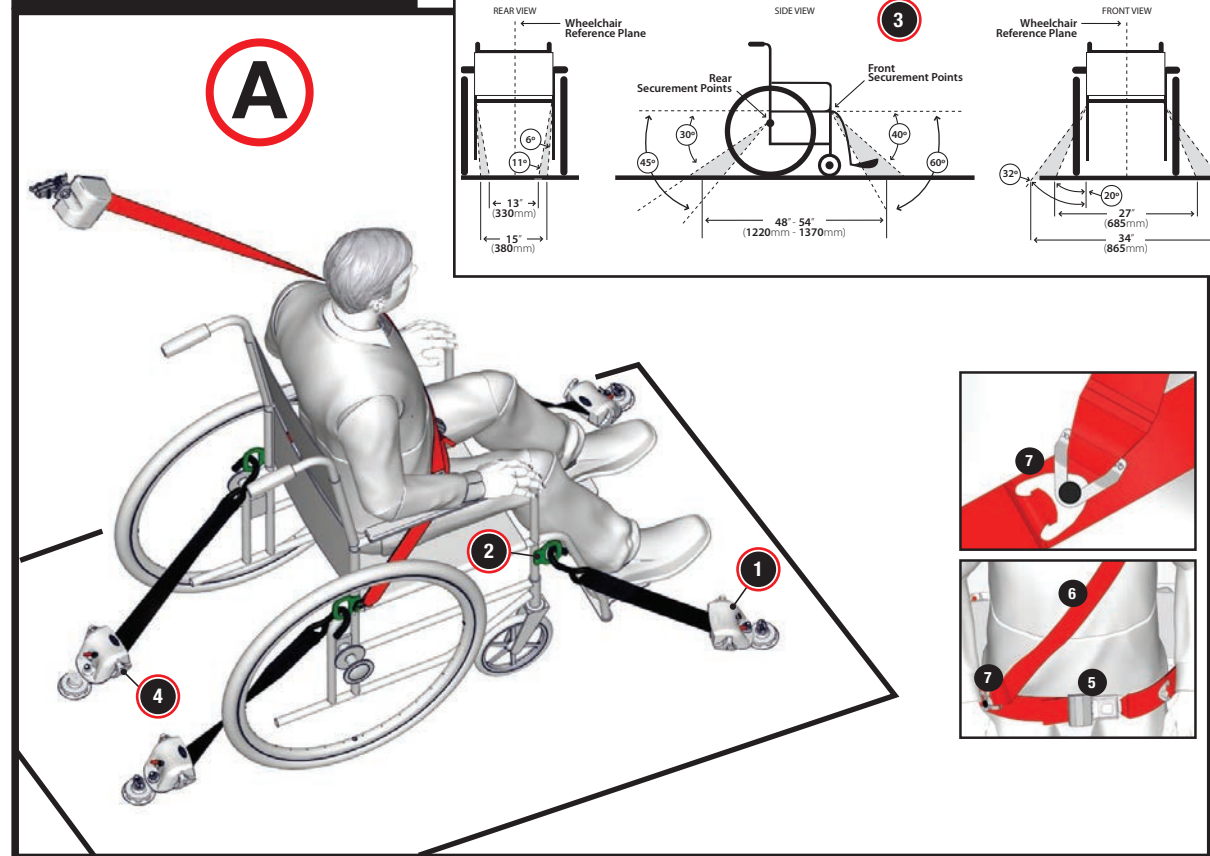
⚠️ WARNINGS

- **Make sure to read, understand and follow all these instructions.**
- Wheelchairs are not intended to be used as seats in motor vehicles unless compliant with ANSI/RESNA WC-4, Section 19.
- This system **MUST** only be used with wheelchairs in forward facing applications and cannot be altered or modified in any way.
- The QRT-360 4-Point Wheelchair Securement System and components comply with all applicable requirements of safety regulations and standards including ADA, FMVSS & CMVSS 209/210/222/302, CSA Z605 & D409, AS-2942-1994, SAE J2249 and ANSI/RESNA WC-4 SECTION 18.
Systems are dynamically crash tested at 30mph (48kph), 20g, using a 187 lbs. (85kg) forward facing surrogate wheelchair and a 168 lbs. (76kg) Anthropomorphic Test Device (ATD). The ATD is restrained by both shoulder and pelvic belt restraints.
- **J-Hooks** must be attached to the WC19 compliant chair securement points or a solid wheelchair frame for all other wheelchairs (no spokes or movable components) at an approximate 45 degree angle with floor.
- **DO NOT** allow webbing to get twisted inside the retractors or come in contact with sharp corners and edges.
- **Compliant Shoulder and Pelvic Belt Restraint** must go across occupant's shoulder and pelvis (lap), and not be worn twisted or held away from the occupant's body by wheelchair components. We recommend using both a pelvic and shoulder belt together and not individually since it will compromise the performance of the system.
- The QRT-360 4-Point Wheelchair Securement System **MUST** be serviced by an experienced and trained technician and replaced after a vehicle collision.
- Make sure Shoulder Belt does not rub against the occupant's neck.
- **Keep loose articles of clothing away from retractors.**
- For inspections, service and maintenance refer to the use and care manual.
- To address any questions, please contact a Q'Strait® authorized dealer.

✅ MAINTENANCE & CARE

- **Always keep belts clean and off the floor** by using a storage device such as a Q'Strait® wall pouch. We recommend one storage device per wheelchair location.
- **All systems and components MUST be regularly inspected, tightened, cleaned, and maintained.**
- Clean webbing periodically with mild soap and water. After cleaning, fully extend belts and position them to prevent water from entering retractors until completely dry.
- **Make sure to prevent contamination of the webbing** by keeping it away from polishes, oils or other chemicals (particularly battery acid).
- Occasionally lubricate buckles and fittings, without contaminating the webbing.
- Clean bolt threads and reapply permanent thread locker if bolts are adjusted.
- **Frayed, contaminated or damaged webbing MUST be replaced immediately.**
- **Systems or components exposed to a vehicle accident, showing signs of missing parts, excessive damage or wear MUST be replaced.**

WC19 WHEELCHAIR



🔒 SECURING WHEELCHAIR

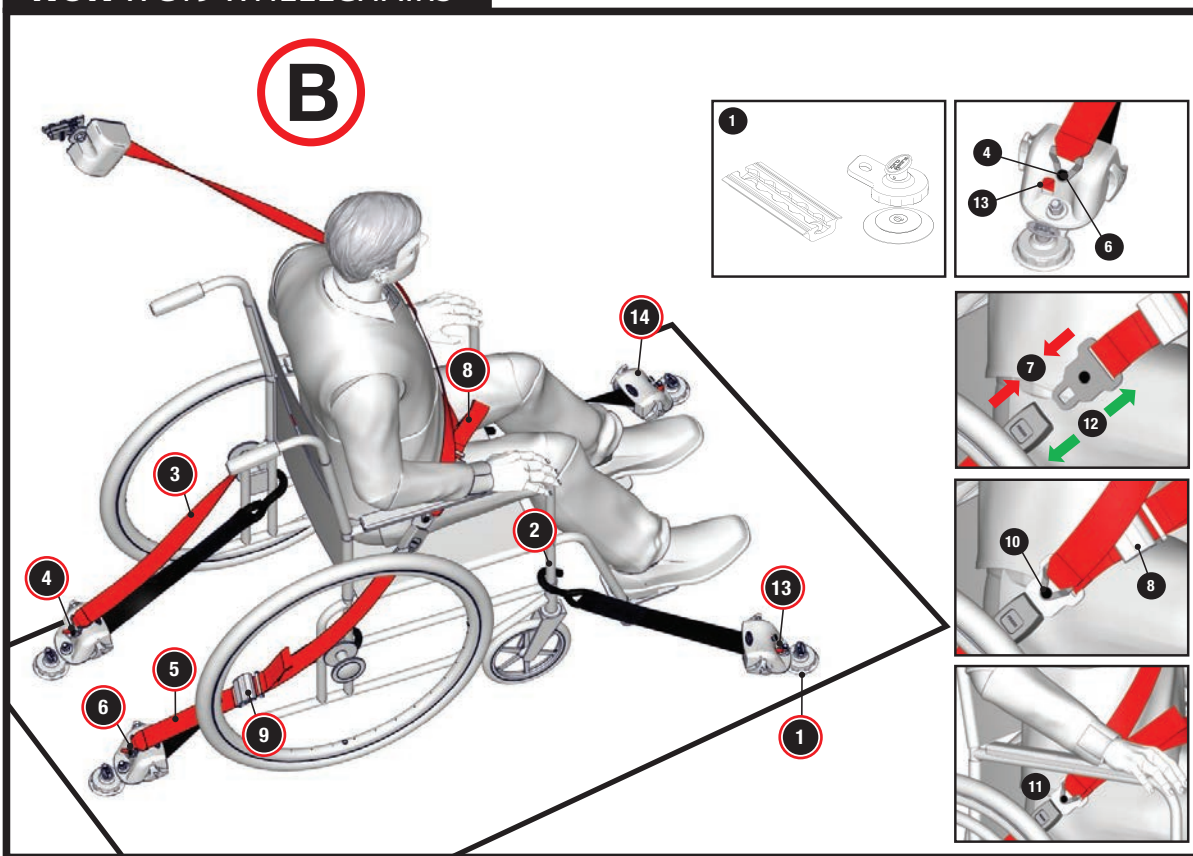
1. Center wheelchair facing forward in securement zone and lock wheelchair brakes (or power off electric chair).
2. Attach 4 retractors **A1** into floor anchorage **B1** points and lock them in place, with an approximate distance of 48"- 54" between the front and rear retractors.
3. Completely pull out each webbing and attach J-Hooks to compliant WC19 chair securement points near seat level **A2** (or solid frame members **B2**) at an approximate 45 degree angle with floor **A3**.
4. Move wheelchair forward and back to remove webbing slack or manually tension webbing with retractor knobs **A4**.



🚫 SECURING PASSENGER

5. **WC19 Wheelchair:** (If the chair does not come with compliant pelvic belt follow steps 7-9.) Make sure chair's pelvic belt is buckled over occupant's hips **A5**.
6. Pull shoulder belt over occupant's chest **A6** and attach shoulder belt pelvic connector **A7** to pin on compliant WC19 pelvic belt. After occupant and vehicle are secure—they are ready for transport.
7. **Non WC19 Wheelchairs:** Attach lap belt **B3** pin connector to pin on rear retractor closest to wall **B4**.
8. Attach the removable pelvic belt **B5** pin connector to pin on rear retractor closest to the aisle **B6** and buckle lap belt to pelvic belt **B7**. Adjust lap belt length **B8** and pelvic belt length **B9**.
9. Pull the shoulder belt over occupant's chest and attach shoulder belt pelvic connector to pin on lap belt **B10**. Buckled belts must rest on occupant's pelvis **B11**. After occupant and vehicle are secure—they are ready for transport.

NON WC19 WHEELCHAIRS



🏠 RELEASING PASSENGER

1. **WC19 Wheelchair:** (If chair does not come with a pelvic belt follow steps 2-4.) Detach shoulder belt pelvic connector from pin on WC19 pelvic belt **A7**. Return shoulder belt to storage position. Go to step 5.
2. **Non WC19 Wheelchairs:** Detach shoulder belt pelvic connector from lap belt **B10**.
3. Unbuckle lap belt from removable pelvic belt **B12**. Detach removable pelvic belt **B5** pin connector from pin on rear retractor closest to aisle **B6**. Place removable pelvic belt in storage.
4. Detach lap belt **B3** pin connector from pin on rear retractor closest to wall **B4**. Place lap belt in storage.

♿️ RELEASING WHEELCHAIR

5. Press red release levers on retractors **B13**, detach J-Hooks from wheelchair and slowly return them to retractors.
6. Remove retractors **B14** from floor anchorage **B1** points and place them in storage.
7. Unlock wheelchair brakes (or power on electric chair).
8. Wheelchair occupant is ready to exit vehicle.