

Safety

**WORLD
WIDE
WORLD
CLASS**

**THE ULTIMATE WHEELCHAIR
AND OCCUPANT RESTRAINT SYSTEM**



For People Who Care



Because Life is Precious

Q'Straint® the world's safest wheelchair and occupant restraint system

Q'Straint is a world renown international company marketing it's wheelchair and occupant restraint system throughout USA, Canada, Australia and Europe. As "the leader" in wheelchair and occupant restraint systems...



Q'Straint is not only involved in most major safety associations but is a prominent member of the International Standards Association I.S.O.- design/safety standards, assisting in the drafting and development of world standards.

Q'Straint puts safety as the single most important priority.

Q'Straint has implemented the ISO 9002 quality system. Taking a unique approach to safety...Q'Straint has both the wheelchair and the occupant protected in an interdependent system that ensures both chair and passenger are completely restrained.

Interdependent means that chair and rider are secured separately but in a system linking the two together for the ultimate in safety. Q'Straint unlike many less engineered packages of clasps and belts, is a "SYSTEM".

Q'Straint is the only company in the world specializing exclusively in an integrated system. Every component is designed, engineered and tested to work together in unison to prevent passenger injury in a collision. Perhaps the feature that appeals most to people responsible for the safety of



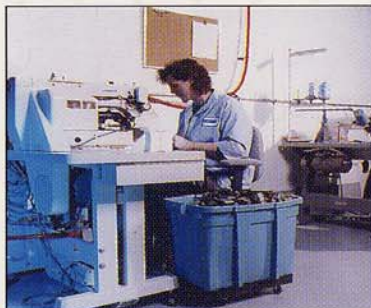
passengers is the simplicity of Q'Straint. It's designed to be effective and easy to use...meaning it will be used. Q'Straint is quick and easy (wheelchair passengers can be secured in a minute) and still provide the highest possible degree of safety available in the world today.



Specialized

Q'Straint has attained its position as industry leader by specializing. The company is unique in its field because it engineers and manufactures nothing but wheelchair and occupant restraint systems.

Going beyond all impact test and safety regulations, Q'Straint certified engineers use the most modern equipment in continually



improving its systems. With constant in-house innovation and design changes, Q'Straint's philosophy and strategy is...the ultimate in safety, comfort and simplicity. Every aspect of the process from design and engineering to manufacturing, testing, warehousing and shipping is under the ISO 9002 quality control system and the care of Q'Straint personnel. State-of-the-art computerized manufacturing equipment ensures the highest quality level of production.

Q'Straint's own innovative testing equipment checks the standards of production at each manufacturing stage. In-house dynamic and static testing and other specialized tests ensure all government regulations are surpassed. The systems are then inspected, serialized, packaged, inventoried and warehoused; ready to be shipped according to Q'Straint's own computerized "order/ship" program, all under the ISO 9002 Quality System.



Partnering for the 21st Century

Q'Straint is also developing another dimension by working in partnership with it's original equipment bus manufacturers, van converters, bus dealers, transit authorities, bus contractors and many other valuable customers world-wide. The goal is providing the best product, the best price, the best training and the most flexibility. Working together, all involved can be successful and profitable. Better yet, every wheelchair rider



in the world can get the safest system and the "peace of mind" that comes with Q'Straint.

Q'Straint does not just put their product into the market but also provides the most comprehensive support and training package including video, training manual, operation manual and installation manual to ensure that the system is installed and utilized properly.

Q'Straint's professional training kit contains all the material necessary for a hands-on training program for drivers and operators alike.



Q-5001 Pocket System



Q'Straint flush-mounted stainless steel floor pocket inserts provide compartmentalization which ensures the proper location and safe positioning of the chair. It also ensures proper belt angles to the chair. This aspect is what makes this system the very best and safest in the world. It provides, the operator a quick, easy, foolproof setup of chair and occupant. This hassle free method avoids guess work and human error ensuring the safest and most accurate setup every time. Every component is designed and tested to work together preventing any chair movement.



Four Point Tie Down

Q'Straint provides a frontal facing position with four tie down points floor to chair ensuring the safest securement possible. This four point system/front facing has been tested and approved worldwide. It is quick, simple and eliminates driver/operator hassles. Each belt is adjustable with a double action adjustment to accommodate every wheelchair design.

Interdependent Occupant Restraint



Q'Straint's famous interdependent rear tie down belt and lap belt hook-up is the key to the ultimate in restraint safety. This connection is positioned higher, close to the passenger's pelvic area and close to the point where back and seat meet. This effectively prevents "submarining" as well as keeping the wheelchair from "loading" onto the occupant on impact. The lap belt interdependently attaches to the rear tie down belts, is adjustable and connects snugly across the lap as does a typical car seat belt.



The fixed location of the shoulder belt from occupant to side wall ensures consistent upper-body restraint and guarantees "foolproof" operator hook-up time after time.

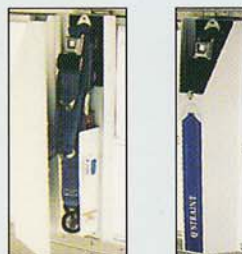


The Q'Straint Q-5001 System Complete Includes:



- 1 Rear Belt LH.....Q5-6110
- 1 Rear Belt RH.....Q5-6111
- 1 Front Belt LH.....Q5-6210
- 1 Front Belt RHQ5-6211
- 1 Lap Belt.....Q5-6320
- 1 Shoulder Belt.....Q5-6410
- 1 Shoulder Belt Bracket Assembly.....Q5-6500
- 4 Floor Pocket Assembly.....Q5-7560
- 1 Warranty Card.....Q5-2941
- 1 Instruction Guide for Drivers.....Q5-1160
- 1 Installation Instructions.....Q5-1150
- 1 Instruction Adhesive Label.....Q5-1140

Order the Complete Serialized KitQ-5001-5



Optional Wallmount

Ties up loose ends, keep vehicle floor area safe and prolong life of belts. Made of P.V.C. the Q5-8520 wallmount includes emergency belt cutter.

Optional Pocket-Riser

The Q5-7576 plastic riser fits with the floor pocket and provides a smoother wheel ride over the pockets when they are not flush mounted.



**THE
ULTIMATE
WHEELCHAIR
AND
OCCUPANT
RESTRAINT
SYSTEM**

**I.S.O. 9002
Registered**

Proven Researched, Tested and Approved

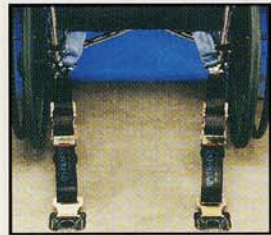
What the Tests Say

Q'Straint leaves nothing to chance. Since 1984 Q'Straint has been thoroughly tested with most wheelchair styles throughout the world. Q'Straint meets or exceeds most existing countries standards and proposed standards such as, ADA, NHTSA, SAE, CSA, ISO and AS2942

From the beginning, Q'Straint has led the industry in testing its product and was the first manufacturer to apply the same sled test used for testing automobile safety belts to a wheelchair restraint system.



The Sled Impact Test conducted with crash test dummies at various weights and sizes at 50kph/30mph and 20g's deceleration found Q'Straint to be extremely successful in providing effective occupant protection for wheelchairs (weighing as much as 243lbs/110kg). Dynamic and Static Tests are conducted on an on-going basis in Q'Straint's continuing pursuit of the ultimate in passenger safety. All tests are documented, published and available on request. In all tests, Q'Straint proved to surpass all test standards implied or published. For a copy of Q'Straint's Fact Book which contains all test data—contact your nearest Q'Straint office.



What An Independent Mobility Restraint Study Says

A recent independent study conducted by a large mobility transportation company in St. Paul, Minnesota, compared four prominent restraints. Again Q'Straint proved to be No. 1, flawless and...world class.

Each restraint package was graded on the following criteria:

STRENGTH

SECURITY

ADAPTABILITY

FLEXIBILITY

STABILITY

OPERATION

CUSTOMER SUPPORT

- specifications to meet or exceed a minimum breaking strength of 2,500lbs/1140kg
- system must provide adequate restraint of both the wheelchair and the occupant
- system must be designed to provide adaptability to a wide range of mobility aids
- system must provide various options to allow choice of configuration that best serves the needs of the passenger
- system must provide a high degree of stability in all directions of movement
- system must be quick and easy to operate
- must be timely and responsive to the needs of customers and provide local support

	Strength	Security	Adaptability	Flexibility	Stability	Operation	Support	Total
Brand A	5	4	4	5	4	3	5	30
Brand B	5	3	4	5	4	2	5	28
Q'Straint	5	5	5	5	5	5	5	35
Brand C	5	4	4	5	3	4	2	27

Key: 5-excellent 4-good 3-fair 2-poor 1-unacceptable

* a copy of this study/report is available from your nearest Q'Straint office on request.

What Our Customers Say

"Our bus was involved in a collision after a local utility van ran a red light causing it to collide broadside with our bus. The van was destroyed, our bus sustained very costly damages yet the three wheelchair passengers secured with Q'Straint did not move. Thank you for a superior product in a day when mediocrity is the norm."

C. Douglas Ellis, Manager Handi-Transit

"I was a passenger in a para-transit bus which was involved in a 2 vehicle collision. In this collision this bus was flipped over on its side. My wheelchair was secured in the vehicle with the Q'Straint system. I did not even move in this accident. You have created one great system. Many Thanks."

Linda-Jane France, para-transit passenger

"Our van hit a patch of ice, rolled over twice and landed right side up in the median. Our vans are equipped with Q'Straints for our wheelchair residents. The jaws of life were needed to get to our wheelchair passenger, when she was finally taken from the van, she did not have a scratch on her! Q'Straint is a remarkable system."

Carolyn Gillespie, Manager Glenvale Home