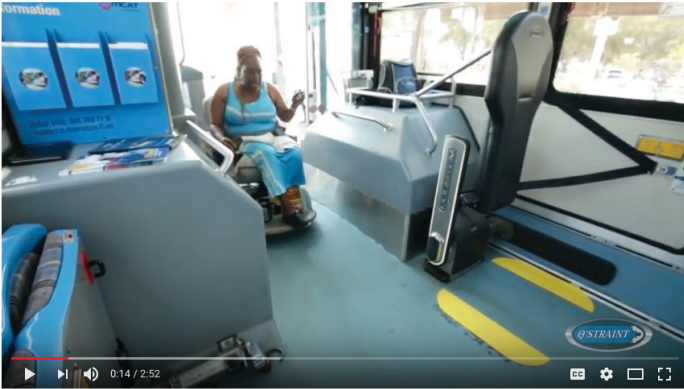


QUANTUM[®]

Video



QUANTUM User Experience - A First Hand Account

<https://www.youtube.com/watch?v=yDP-PFVtwfEM&t=14s> <https://www.youtube.com/>



QUANTUM - Complete Wheelchair Securement in 25 Seconds

<https://www.youtube.com/watch?v=fS9ek61K-mxl>



Importance and Benefits of QUANTUM Automatic Wheelchair Securement

https://www.youtube.com/watch?v=zG_7jx3jE-VI&t=81s



On Board with the QUANTUM - Automatic Wheelchair Securement

<https://www.youtube.com/watch?v=aogfpsn-jHO4&t=59s>



Milwaukee County Transit System Takes the QUANTUM Leap

<https://www.youtube.com/watch?v=8S80xTfg-DWc>

QUANTUM[®]

Product Collateral

QUANTUM

The transportation industry's first fully automatic rear-facing wheelchair securement station. QUANTUM is the only system in the world that gives complete independence to mobility passengers; enabling them to secure themselves in less than 25 seconds with the simple push of a button – and without requiring driver assistance.

Combining transportation insight, intelligent technology and high quality construction, QUANTUM lets wheelchair and scooter passengers board the bus or train, position their chair and then simply push a button to secure themselves in a safe and stable rear-facing position.

Operators will benefit immediately and profoundly with reduced dwell time when securing passengers in mobility devices.

resulting in more reliable schedules, eliminating the need for manual tie-downs, and putting an end to stressful and challenging securement maneuvers.

By safely securing wheelchairs and scooters, QUANTUM ultimately reduces liability exposure for injuries to both mobility passengers and operators, as well as to seated or standing commuters who could be injured by unsecured mobility devices.



Compatible with Systems You Already Use. Compliant with Standards that are on the Way.

Designed to international standards and built with transportation industry-standard technologies, QUANTUM is ideal for both new fleet or retrofit applications in bus, light rail and rail.

QUANTUM meets or exceeds all current and proposed ISO 10365 regulations for rear-facing transit, European directives and the latest ADA and CSA revisions. Plus it can help systems fulfill the accessibility objectives of the new BRT Standard 2013 for bus rapid transit.

QUANTUM can be installed in virtually any bus or rail car, integrates with existing rear-facing wheelchair station locksets and complements current OEM stationing by adding the missing critical element of actual wheelchair securement. Integration with existing vehicle electrical and network systems prevents accidental release of a secured wheelchair while the vehicle is in motion.



“One of our goals is ensuring the integration of people with disabilities into society and transportation is a key enabler. No one enjoys being singled out when a driver must come back and secure a wheelchair because it always takes time. People with disabilities just want to get on the bus and go.”

-Jim Franklin, Advocate
Action Committee of
People with Disabilities



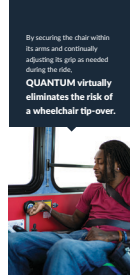
Engineered to Perform, Built to last...and Already Proven on the Road

Q'STRAIT engineers applied the highest levels of industrial design to ensure QUANTUM delivers the performance to keep passengers safe and operators productive.

Transportation industry-proven electronics are used for its controllers, switches and sensors. The rubber in the retaining arms has been specifically selected to maintain grip through many seasons of use. Its stainless steel framework withstands the harshest environments. And the entire system has been engineered to simplify and minimize maintenance over a lifetime of many thousands of cycles.

The intelligent design approach in QUANTUM includes visual and auditory indicators to signal the arm is moving and automatic sensing that recognizes the difference between an obstacle vs. a wheelchair and stops the same from applying the final securement pressure if something is not right. The optional Q'STRAIT backboard is designed to reduce head and neck injuries.

As with all Q'STRAIT systems, the QUANTUM has been designed with aesthetics in mind, with an appearance that is unobtrusive and approachable, and as a thoughtful addition to any modern bus.



By securing the chair within its arms and continually adjusting its grip as needed during the ride, QUANTUM virtually eliminates the risk of a wheelchair tip-over.



When you GO QUANTUM, Everyone Benefits:

MOBILITY RIDERS GO FREELY

QUANTUM restores a sense of freedom and independence to wheelchair passengers by allowing them to secure themselves.

BUS DRIVERS GO FURTHER

QUANTUM gets your drivers back on the road. With independent securement in under 25 seconds, your routes get more miles with less curb time.

BUS PASSENGERS GO FASTER

QUANTUM gives commuters the assurance that their schedules won't be delayed by traditional securement.

TRANSIT PROPERTIES GO LEANER

QUANTUM saves your company money with less driver training, less product maintenance, less delays and less liability. Keep your buses on schedule and your budgets on track.

“I don't only believe that QUANTUM is going to be a game-changer, it's already a game-changer.”

-Kevin Bunce
Sun Metro Assistant Director of Maintenance



WWW.QSTRAIT.COM/QUANTUM

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QUANTUM



FULLY AUTOMATIC
WHEELCHAIR
SECUREMENT STATION



ANNEX 2 Rev. 01/2017

Q'STRAIT.

QUANTUM[®]

FEATURES & BENEFITS

QUANTUM ENABLES WHEELCHAIR AND SCOOTER PASSENGERS TO SECURE THEMSELVES WITH THE SIMPLE PUSH OF A BUTTON

The entire securement process takes place in under 25 seconds – WITHOUT REQUIRING DRIVER ASSISTANCE

INDEPENDENCE

QUANTUM offers mobility passengers the dignity and independence to secure themselves. The simple one-touch operation offers users a safe and secure ride while keeping drivers in their seat and focused on the road.

TRANSIT TOUGH

With its stainless steel construction and durable over-mold grips, QUANTUM is built to endure the wear of everyday transit use.

DRIVER CONTROL

Drivers remain focused on the road because QUANTUM gives them the flexibility to manage wheelchair securement from dashboard controls. maintenance-icon

TIME SAVING

With wheelchair and scooter securement in 25 seconds or less, QUANTUM removes unknown variables and helps keep buses on schedule. With QUANTUM, everyone gets going – safely and on time.

REAR-FACING

The preferred securement method worldwide, rear-facing securement is proven to be one of the safest solutions available.

LOW MAINTENANCE

Through extensive field and lab testing we were able to develop a basic maintenance schedule that ensures optimal performance with minimal hassle.

SPECIFICATIONS

OVERALL DIMENSIONS

With Backrest:
28"W x 37"L x 56"H

Without Backrest:
28"W x 35"L x 34"H

MAXIMUM WIDTH

With Arms Deployed:
37.15" (943.5mm)

TOTAL UNIT WEIGHT

90 lbs. (including mounting plate)

STORED DIMENSIONS

W: 27.35" (694.7mm)
H: 30.92" (785.5mm)
L: 34.04" (864.6mm)

COMPLIANCE

The QUANTUM Securement System meets or exceeds all current regulations for rear-facing transit, European Directives and ADA/CSA requirements.

The QUANTUM Backrests conform to the performance specifications of FMVSS 201 or ECE R 21, FMVSS 302 and ISO3794.

WARRANTY:

3 Year or 10,000 Cycles,
whichever comes first



PRODUCT PAGE: www.qstraint.com/quantum



INTRODUCTION: <https://youtu.be/fPqvEUntsh8>
TRAINING: <https://youtu.be/G4a94j11kyk>

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