

# QLK-150<sup>®</sup>



DOCK. DRIVE. DISCOVER.  
THE ULTIMATE  
DOCKING SYSTEM





# QLK REMOTE

SEAMLESSLY PAIRS WITH YOUR NEW OR EXISTING  
QLK-150 DOCKING SYSTEM



Eliminates the reach to the dash for drivers with limited mobility.



Key fob remote can be easily clipped to your key ring or mobility device.



Operator can release a passenger from outside of the vehicle.

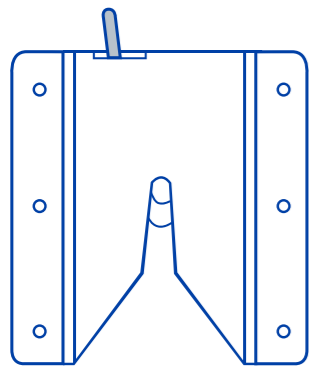


# QLK-150<sup>®</sup>

When designing the QLK-150 from the ground up, we set out to redefine a few things. Freedom, for instance, is not just travelling from one place to another but rather the confidence to do so. Confidence to cross thresholds, to navigate various conditions, to go anywhere. We created the QLK-150 for maximum flexibility in every unique situation.

## Your Safety in Mind

The QLK-150 continues our tradition of relentless testing and development. A first for docking systems, it is tested in Forward, Rearward and Sideways configuration knowing that every installation is unique. The QLK-150 docking system exceeds ISO 10542 crash test specifications on forward-facing wheelchairs up to 200kg.



## Improve Your Experience

When fractions of an inch make a huge difference, the flush surface gives you more clearance (3/16" - 5mm) for everyday travelling. Interference with castors is significantly reduced thanks to a shortened footprint. Along with a tapered channel to help guide the docking bolt in, you can forget about the usual turns, snags and crashes of docking engagement and get on with your journey.

## Heat Treated with Trivalent Coating

For strength, durability and environmentally friendly corrosion-resistance.

## Limit-Switch and Over-Torque Protection

Incorporated to ensure that everyday use and regular maintenance inspections won't affect the performance of the QLK-150.



Thin and flexible enough to flow with the shape of any dashboard area or surface



## Dash Control

Our new slim and flexible dash control is a peel 'n stick design that conforms to vehicle interiors to mount in convenient locations. Even though it is compact in overall size, the touch controls are more than twice the size of other docking systems - and embedded LED's alert you to the system status.



## Removable Cover

With Plug and Play servicing to ensure easier maintenance with less downtime.

## Tapered Channel with Flush Surface

Helps guide the wheelchair into the receiver channel making docking easier and more reliable.



## Greater Electrical Reliability

New design eliminates half of the electrical components necessary with other docking systems.

## Optional Floor Mounts

Maximises wheelchair pin height and improves clearance with everyday thresholds.

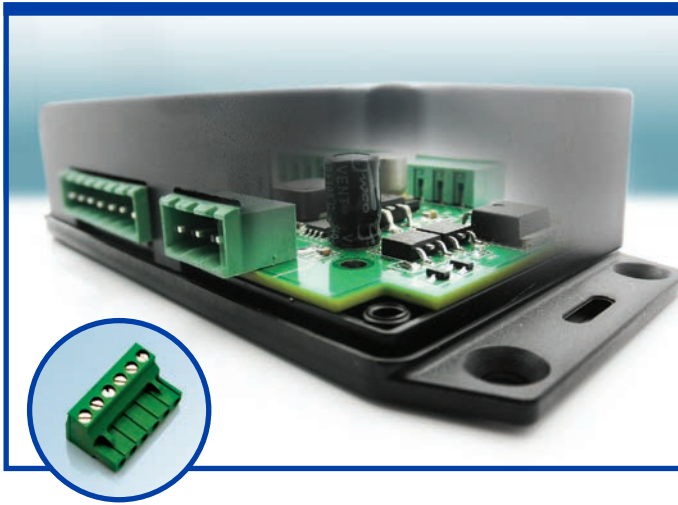


## Reaching New Heights, and Lows

For those wanting to maximize wheelchair clearance and prefer a more 'OEM' look, we offer several floor mounts to raise or lower the docking system height from 1.5" (38mm) to 4" (100mm). By offering several base heights, installers can customize the mounting position so it accommodates different wheelchair applications and reduces the chance that the mounting bolt will get caught by uneven ground, thresholds and ramps. Competitive products don't offer these options requiring "field modifications" that have not undergone crash tests.

# Tested and certified brackets for all popular EU power chairs.

## New Electronic Features of the QLK-150



### Improved Installations

Our SMART (ECM) features screw-terminal connectors to reduce the need for crimping and soldering, facilitating proper routing of cables through holes and vehicle components. This helps make every installation look OEM.

### SMART Electronic Control Module (ECM)

Microprocessor controller utilizes the latest technology. The sleep mode functionality virtually eliminates current leakage. Specially designed circuit paths prevent failures during installation or in the field and PWM (Pulse Width Modulation) design to control heating.

### Stabilisation and Flexibility

Every installation is unique. From optional floor mounts to new stabilisation options, the QLK-150 caters to an expansion of new possibilities whilst still relying on a design that is proven. Q'STRAIT has been securing wheelchairs for over 25 years, so you can be assured that the QLK-150 builds upon our tradition of continuous improvement. For a wide range of certified; tested solutions, please contact Q'STRAIT.

## QLK-150 Features and Benefits:

### Extensive Crash Testing

The QLK-150 docking system exceeds ISO 10542 crash test specifications on wheelchairs up to 200kg.

### Flush Surface

Eliminates "snags" and gives users an immediate 3/16" (5mm) of additional bolt clearance.

### Reduced Footprint

Shortened design front to back by 1.5" (38mm), retaining original hole pattern.

### Slim & Flexible Dash Control

Compact design has a much larger touch area and features embedded LED indicators showing system status.

### Heat-Treatment

All components except for base mounts (which often require field modification for proper securement) are treated to increase strength and reduce entry channel warping.

### Sleep Function

When user exits docking base, system draws 76.5 micro amps (0.0000765 Amps): About 5 times less than other docking systems.

### Low Current Draw

Solenoid release draws between 4.2 - 9.1 amps -- less than half of other products.

### Reduced Electrical Components

New design only requires a single micro-switch and eliminates thermal switch.

### Screw-Terminal Connectors

Connectors are easily removed for faster wire routing and eliminates additional crimping and soldering.

### SMART (ECM)

Newly designed Micro-processor controller.

### Eco-friendly Steel Coating

Our high grade steel features more eco-friendly coating, to prevent corrosion and reduce the impact on the environment.

### Removable Cover

Faster servicing and maintenance.

### Lowest/Highest Clearance

Optional base mounts allow for the docking system to be mounted from 1.5" (38mm) to 4" (100mm)

### Over-Torque Protection

Prevents "locking up" if internal hardware is over-torqued.

### Tapered Channel

Helps smoothly guide users into place.



[WWW.QSTRAINT.COM/QLK-150](http://WWW.QSTRAINT.COM/QLK-150)

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**Q'STRAIT EUROPE**

72-76 John Wilson Business Park  
Whitstable, Kent, CT5 3QT  
United Kingdom  
Tel: +44 (0)1227 773035  
Fax: +44 (0)1227 770035  
Email: [info@qstraint.co.uk](mailto:info@qstraint.co.uk)

**Q'STRAIT AMERICA**

5553 Ravenswood Road, #110  
Ft. Lauderdale, FL 33312  
Tel: 800-987-9987  
Fax: 954-986-0021  
Email: [qstraint@qstraint.com](mailto:qstraint@qstraint.com)

**Q'STRAIT AUSTRALIA**

Tramanco Pty Ltd.  
21 Shoebury Street,  
Rocklea, Australia, QLD. 4106  
Tel: +61 7 3892 2311  
Fax: +61 7 3892 1819  
Email: [info@tramanco.com.au](mailto:info@tramanco.com.au)