

Trucking and Chain of Custody Security

The importance of security, reliability, and efficiency cannot be overstated in logistics & transportation. You face unique challenges daily, from safeguarding valuable cargo to ensuring seamless operations across vast distances.

Security is the cornerstone of the trucking industry, and BQT Solutions is a trusted name in providing state-of-the-art locking systems that are tailored to the demands of transportation.

We understand that your cargo is the lifeblood of your business, and the YG80 series is designed to offer unparalleled protection, ensuring that your shipments arrive at their destination securely. That your cargo is protected. Your operations are optimized, and your supply chain is secured against theft and tampering.



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CARGO THEFT AND CHAIN OF CUSTODY

Millions of dollars' worth of cargo fails to reach its destination due to a surge in organised thefts. This rise impacts profits and disrupts global supply chains. Strong chain of custody and stringent security measures are essential to prevent theft, financial losses, delays, and reputational damage. Robust security protocols are crucial for protecting assets and ensuring supply chain integrity.

WHAT TO CONSIDER WHEN CHOOSING A TRANSPORTATION LOCK?

Selective User Control

Each truck or fleet may have different operational demands, so it's vital to use a solution that can adapt. A lock that operates seamlessly as a standalone unit or as a fully integrated product provides the necessary flexibility.

By offering fail safe / secure options, single or double control inputs and even Bluetooth connectivity (on the YG80B), the YG80 Series provides real choice for the user. Each lock can be set to meet the specific installation requirements and with the YG80B the owner can share 'eKeys', eliminating the need for a controller if desired.

Chain of Custody

Monitoring the locks status provides security and operational staff critical information about the integrity of the goods while allowing for tracking and accountability.

The YG80 Series has a range of output signals which can provide direct feedback via a controller about the bolt locked and unlocked position, door position, and tamper detection status. This vital information ensures the integrity of the cargo. When using the YG80B lock, the tamper will also alert to the owner's phone via Bluetooth.



Weatherproof & Robust

Weatherproofing a transportation lock is crucial and factors such as an IP rating, corrosion-resistance, UV protection, and operating temperatures need to be carefully considered to ensure durability and reliability.

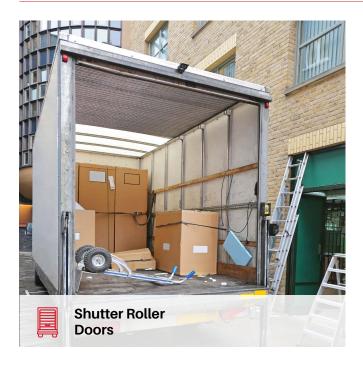
Both the YG80 and the YG80B have been designed with the harshest environments in mind. Each lock has a built-in heater for continued functionality in sub-zero climates, they are IP67 rated and made from corrosion and UV resistant materials, engineered to handle any environment a vehicle will travel through.

High Security

Ensuring security for all types of trucks (cargo, freight, refrigerated) is crucial and strong locking solutions require high holding forces, sturdy bolt pins, and certified designs. Strategic installation further reduces vulnerability to attacks.

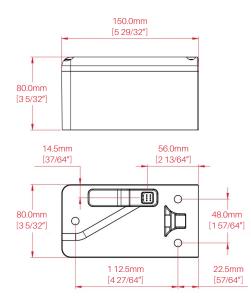
> The YG80 Series locks have a holding force of up to 39,000N (8,800 lbf) and come with an 18mm diameter stainless steel bolt pin. They are tested and approved to exceed the highest level of UL 1034, Burglary Resistant Electric Locking and designed to be installed inside the truck ensuring they remain out of reach.

YG80 SERIES INSTALLATION AND APPLICATIONS





SPECIFICATIONS



Static strength 39,000N (8,800 lbf)

Dynamic Strength 200 joules

Endurance Cycle tested to 300,000 operations

Bolt Pin Ø18mm (11/16 inch), 30mm (1 3/16 inch) extension, Ø28mm (1 1/8 inch) receiver

Locking / Unlocking Time 4.5 seconds (typical)

Voltage at lock 12-24VDC ±15%

Current usage

Holding: 40mA@12VDC, 30mA@24VDC Maximum: 1A@12VDC, 2A@24VDC with heater on

Environment IP67 Rated Corrosion: 240 hours salt spray Cold: -35°C (-31°F) for 2 hours Dry Heat: +70°C (+158°F) for 2 hours

Lock

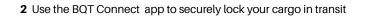
YG80 - YNL300A Lock with Strike YG80B - YNL310A Lock with Strike



Power Harness 1 Install the YG80B inside your truck or container, ensuring it remains out of reach of attackers.

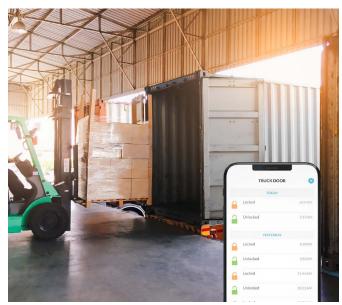


3 Use your BQT Connect app to unlock your cargo door at your destination.





4 Review and audit the locking and unlocking of your fleet through the BQT Connect app.





Unless specified otherwise, the Company warrants to the Customer that BQT Solutions Branded Products' (excluding third party products and software) are covered by a return to base warranty on defects in materials and workmanship affecting normal use for a period of the Warranty offered under the Standard Terms and Conditions of Sale from BQT invoice date ('Standard Warranty').

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