

Ingersoll QX Wrench  
Next-Generation Airfield Lighting  
Smart Assembly (Torque) Tool for Airside



Keeping your airfield ground lighting assets in a good maintained condition works best when the registration happens in a digital method and as direct as possible to the asset. CORTEX Service provides the tools and apps to facilitate this in easy way and suits the unique conditions we encounter airside. From a few registrations to thousands, CORTEX Service scales to your needs in order to keep your runway in the best operational state. The Ingersoll QX wrenches elevates data registration of fixation inspections to another level in ease of use and is able to optimize your maintenance regime.

Not just torque control but total control.

The innovative QX Series is a revolutionary step for your airfield, one that shows how a smarter tool can improve process control, operator comfort and data communication ensuring a high- quality installation of your airfield lighting fixation.

Maintenance Insights

The patented closed-loop transducer control at the heart of the tool delivers precise torque and accurate, traceable results— The rotation of the bolt is recorded during the torque action and provides insights of the condition of the bolt before(!) it was torqued. This allows for optimisations in your maintenance regime to reduce risk and increase resource efficiency.

Control

- The QX Series tool is user-programmable in torque, angle and speed through the accompanying – INSIGHT Connect app.

Comfort

- Compact, lightweight, and ergonomically balanced so the operator can work without restraints.
- Compatible with the CORTEX Service Carbon fibre 1m extension bar for torque.

Communication

- Bluetooth LE connectivity
- CORTEX Service mobile app compatible
- Easy programming with the insight connected app.
- Fixation status data collection - understanding bolt fixation from before/after it was torqued/inspected



| ft-lbs (nm)            | 1 min rpm | lbs (kg)   | in (mm)          | in (mm)    | Voltage | in  | Communication    |
|------------------------|-----------|------------|------------------|------------|---------|-----|------------------|
| 8.80-59.0<br>(12.0-80) | 375       | 5.0 (2.27) | 23.07<br>(586.1) | .85 (21.6) | 40V     | 1/2 | Wireless Enabled |

Batteries

The new QX Series IQV40 high torque tools utilize the BL4011 40V battery for increased torque and runtime.



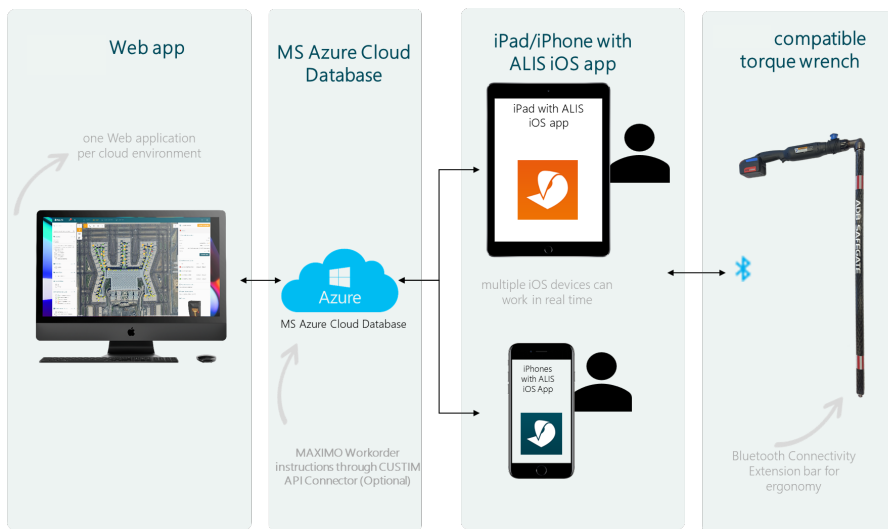
IQV40 Series, 40V, 2.5Ah  
Lithium Ion Battery Pack  
Model: BL4011  
ADBSG #AS104



IQV40 Series, 40V, 2.5Ah  
Battery Charger,  
Model: BC1161  
ADBSG #AS105

# Elevate your Maintenance!

## CORTEX Service Connection setup



## Already part of our CORTEX Service community?

Don't miss the opportunity to try out our torque wrench!  
Contact your regional sales for more information.

| Product Description                               |  |
|---|--|
| Hardware  | Ingersoll Rand QX 80Nm, 1/2" head, Bluetooth Smart Electric Assembly tool for bolt torquing and inspection                                       |
|   | Including: iPhone (SE) Mount, 2x Ingersoll-Rand accu 40V, Ingersoll-Rand charger 40V, Customized Ingersoll Carrying case (+ QR codes + Chargers) |
|   | Ingersoll Rand QX 80Nm with extra Ergonomic function   |
|   | Extension bar 100Nm - 1m or 0,8m - 1/2" connection - Carbon Fiber  |
|   | ASSION 17mm Socket for Extension Bar (with Splint, metric system)  |
| CORTEX Service Software Subscription Requirements | CORTEX Service Maintenance   |

## New to CORTEX Service?

Take your airside maintenance to the next level, scan the QR below and start using CORTEX Service today! Or visit [adbsafegate.com](http://adbsafegate.com)

## Bluetooth connectivity

All CORTEX Service-compatible torque wrenches are equipped with a Bluetooth® low energy module for seamless integration of the wrench with the CORTEX Service on-site Apps. The values registered by the torque are used to validate individual asset Torque actions required tasks and provide direct auditable information.

## Ergonomic extension bar

The super light-weight extension bar allows more ergonomic stand-up torquing which results in a lower level of effort and more accurate torque actions. They are made from carbon fibre and winded especially to be rigid for torque, rated up to 200 Nm. The bar allows for 1/2" Sockets and can be used for M10 or for the US-standard 3/8" – 16 UNC hex bolts.

