INGERSOLL RAND

ASSEMBLY PRODUCTS AND SERVICES – 2025



ELECTRIC ASSEMBLY SOLUTIONS **FROM 0 TO 4000 NM**

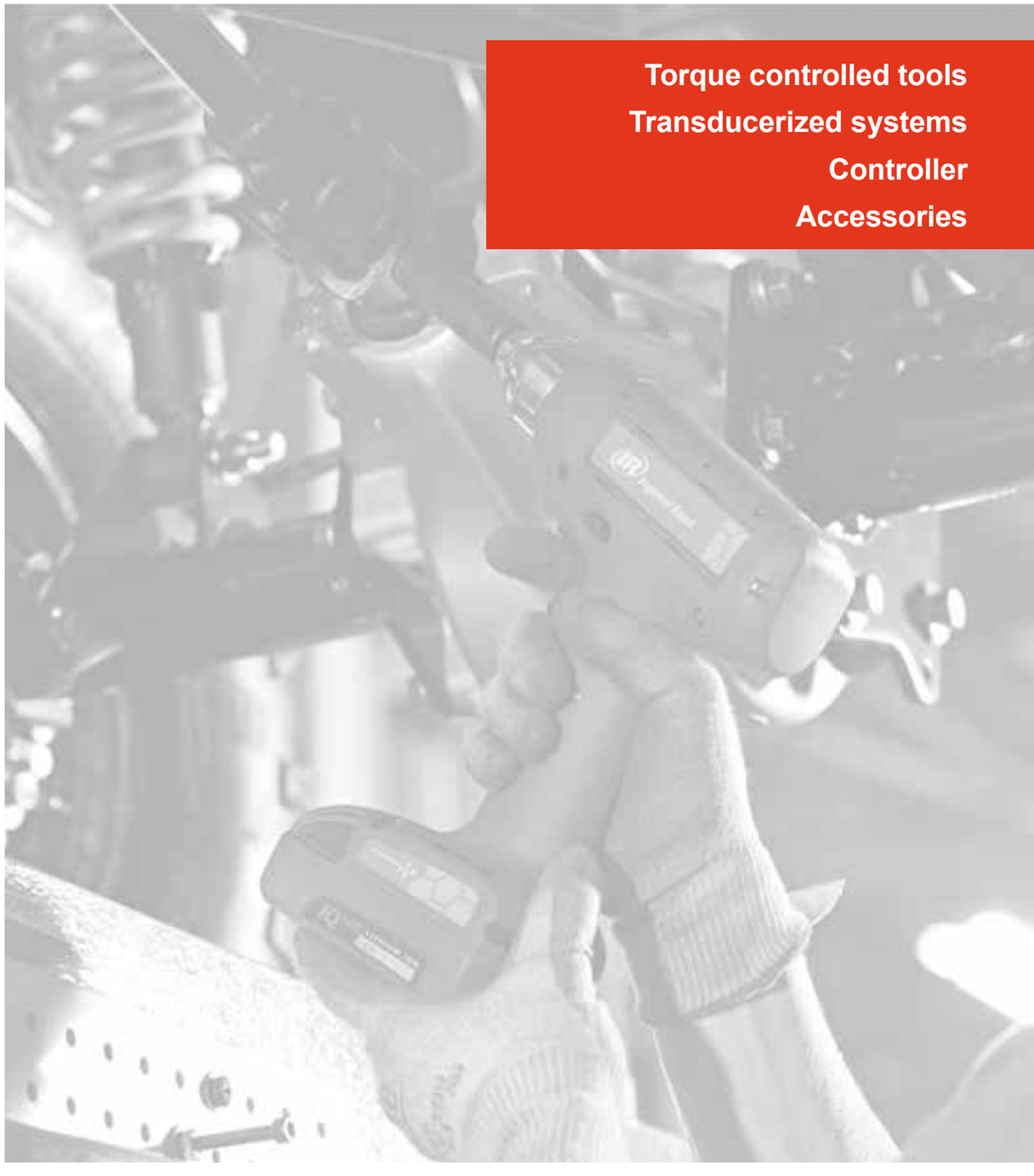


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CORDLESS TOOLS

Torque controlled tools
Transducerized systems
Controller
Accessories



TORQUE CONTROLLED TOOLS

RTS RESPONSIVE TIGHTENING SYSTEM



Transform assembly lines with RTS Connect, where responsive action meets torque control. Leading with Ingersoll Rand® Proprietary torque control algorithm, this system is a game changer for reliable tightening. Experience effortless operations with its user-friendly interface, 40 distinct torque levels, 7 flush levels and dual speed non-contact trigger, and a 360° status beam LED ring light.

The **RTS Connect** features reactionless performance, combined with robust wireless connectivity and programmable settings, making it the tool of choice for those who demand perfection at every turn. Ready when you are, the RTS Connect doesn't just perform — it impresses

SIMPLE

EASY TO USE
FASTEST SETUP IN MARKET

- Quick programming and setup
- Ergonomic design
- Full-color LCD display for quick interpretation

FLEXIBLE

QUICKLY ADAPT TO CHANGES

- Programmable for standalone or connected operations
- Multiple programming options for advanced setup features
- Multi-Pset programming reduces tooling Investment

CAPABLE

MEET COMPLEX CUSTOMER NEEDS

- Reactionless performance improves operator ergonomics
- Durable, built-to-last designs
- Multi-tool connection reduces hardware footprint
- Advanced programming options to reduce rework



USB

Insight Connect app

Wireless

Bluetooth®

Simple

- Multi-function color LCD display for quick setup
- Multi-color 360° status beam LED ring light
- 3 programming methods:
  - Basic setup via tool display
  - Advance setup via INSIGHT™ Connect controllers or mobile app
  - Expert setup via INSIGHTqcx™ MTC Controller

Flexible

- 8 programming configurations
- Compatible with Ingersoll Rand® IQV20™ battery platform and charger
- 4 ways to communicate with INSIGHTqcx™ controller or mobile app:
  - 802.15.4 IEEE Radio
  - 2.4 & 5 GHz Wi-Fi
  - Bluetooth®
  - USB-C

Capable

- Proprietary Ingersoll Rand® torque control algorithms
- 40 torque levels
- 7 flush levels to work on multiple joint type
- Wirelessly connect up to 16 RTS tools to the INSIGHTqcx™ MTC controller



Cordless tools

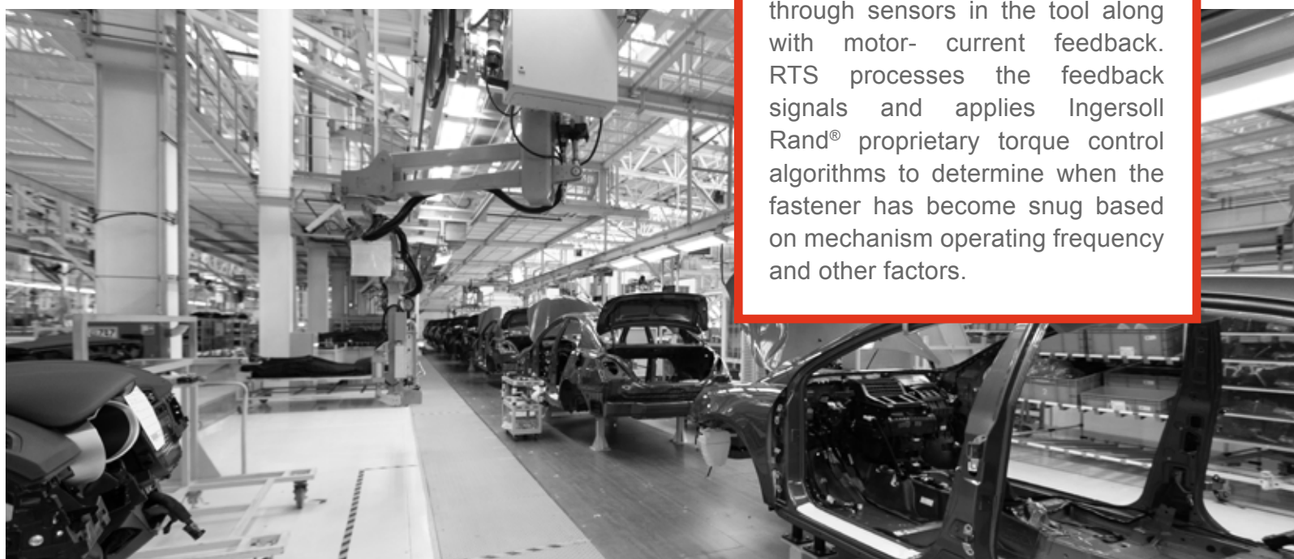
Ergonomics

- Eliminates torque reaction
- Best-in-class tool balance and ergonomic grip design
- Lightweight design significantly reduces operator fatigue



RTS
RESPONSIVE TIGHTENING SYSTEM

RTS continuously monitors the state of the discrete-energy pulses through sensors in the tool along with motor- current feedback. RTS processes the feedback signals and applies Ingersoll Rand® proprietary torque control algorithms to determine when the fastener has become snug based on mechanism operating frequency and other factors.



RTS CONNECT **FEATURES**

Configurable LED ring light:
Red- NOK tightening
Green- OK tightening
White- task light

Responsive to **40 torque levels** and **7 flush modes**

Color LCD display and buttons for quick setup and feedback

Brushless DC motor

Programmable advanced settings:
- Soft start
- Rehit detection
- Cross-thread prevention

Ergonomic anvils reduce socket vibrations

Mechanisms tuned to support **torque 8-225 Nm**

Dual-speed, non-contact trigger designed for 1M + cycles

Ingersoll Rand® IQV20™ Series battery and charger platform

Program **8 Psets** and store up to **1,200 results**

Wirelessly connectivity to INSIGHT™ Controller and app

802.15.4



FEATURE **MATRIX**

Tool Pairing

Pset Selection



Tool Info

Basic Pset



Cycle Status

BASIC SETTINGS	**ADVANCED** SETTINGS	**EXPERT** SETTINGS	**GENERAL** SETTINGS
			
- 8 Psets	- Soft start	- Job setup	- Tool passcode
- 40 torque levels	- Flush detection delay	- Job interlocks	- Keypad lock
- 7 flush levels	- Rehit detection and prevention	- Accessories	- Headlight brightness
- Tightening direction	- Reverse disable	- Out-of-range disable	- Keep alive
- Gang count	- Cross-thread reduction	- MES comm.	- Buzzer setup
- Factory reset		- Fieldbus comm.	

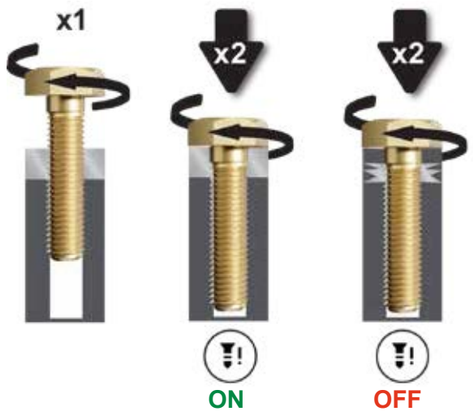
RTS ADVANCED **FEATURES**

Rehit Detection Mode

When the tool detects a high load on a fastener at startup, Rehit Detection Mode immediately shuts off the tool off displays a cycle-fail indicator, alerting the operator that a fastener was previously tightened or has been cross-threaded.

Benefit: During a standard fastening operation, there is a period of rundown during which the fastener encounters very little resistance. If high resistance is encountered at this stage, the fastener may have been tightened already, or the fastener has been cross-threaded. With Rehit Detection Mode enabled, the tool shuts down when it senses high resistance and will alert the operator that the fastener needs attention.

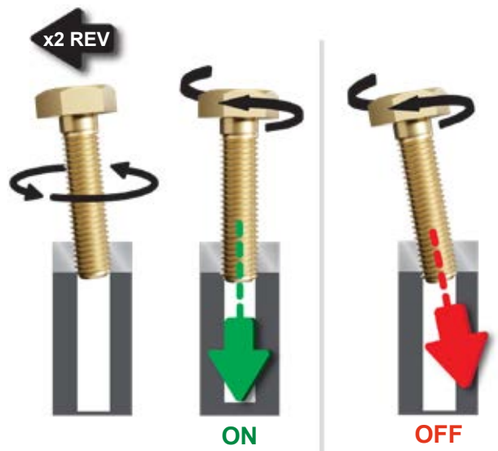
Preventing damage to components or broken fasteners



Cross-Thread Reduction

The RTS Connect turns two revolutions in the loosening direction prior to tightening a fastener to ensure better thread alignment.

Benefit: Running a fastener in the loosening direction before tightening can help reduce the risk of cross-threading by piloting the first threads in the joint and giving the operator the ability to take control over thread alignment.



Reverse Disable

The tool only operates in the tightening direction.

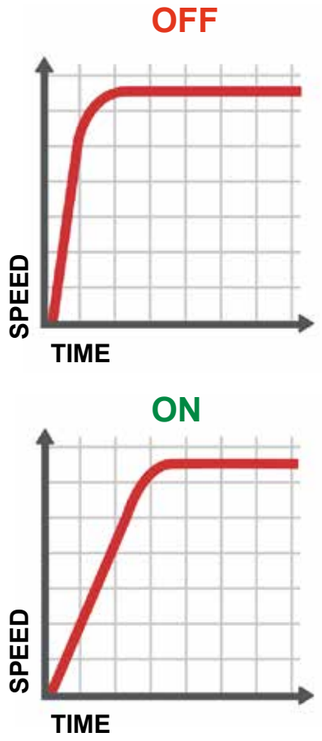
Benefit: Maintain control in production when operators are only required to install fasteners. When Reverse Disable is on, the tool will only operate in the tightening direction. Therefore, the tool cannot be used for fastener removal or for rework.



Soft-Start

The tool speed gradually ramps up at the beginning of a cycle.

Benefit: A gradual speed increase during soft start gives the operator more control as they get the fasteners started.



Flush Detection Delay

The tool delays flush detection at the beginning of a cycle for a specified period of time.

Benefit: If there are loads on a fastener before it's fully seated, the flush detection algorithm may enable prematurely. When it is known that flush detection is not to occur until after a specific period of time, setting the Flush Detection Delay to that time will disable flush detection until the time has elapse.

Rehit Prevention

The tool trigger is disabled for a specified period of time following the completion of each tightening.

Benefit: During the rapid tightening of a series of fasteners, operator-error may occur, such as failure to advance to the next fastener or tighten the same fastener twice. When expected fastening time is known, Rehit Prevention Mode can help prevent a rehit mistake.

One Speed

The tool operates at full-speed only.

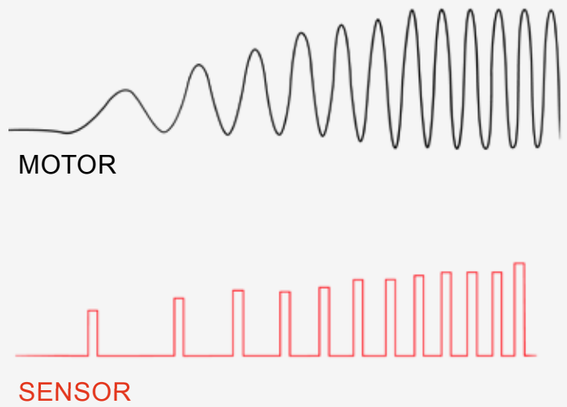
Benefit: Operators can maximize repeatability when fasteners are tightened the same way every time. One Speed provides assurance that the tool only operates at full speed, eliminating speed variation when teasing the trigger.



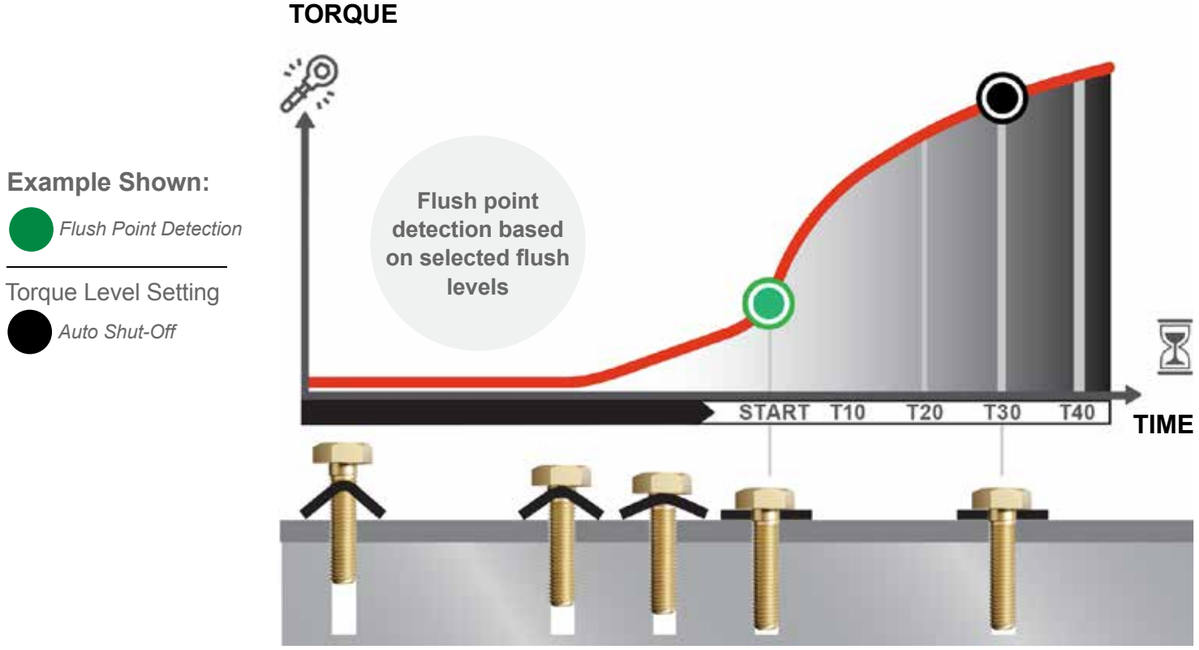
RTS **TECHNOLOGY**

RTS Connect features shutoff modes with programmable settings for flush level detection and torque level. In these modes, the tool runs down a fastener freely and senses when the flush point has been reached based on the Flush Level setting. Then, the tool delivers pulses of torque to the fastener based on the Torque Level setting and automatically shuts off.

The proprietary algorithms of RTS Connect receive amplitude and frequency inputs from the on-board sensor and motor at a rate of 10,000 samples per second. These inputs facilitate accurate tracking of the state of the discrete-energy mechanism and parameter calculations for flush detection and tightening.



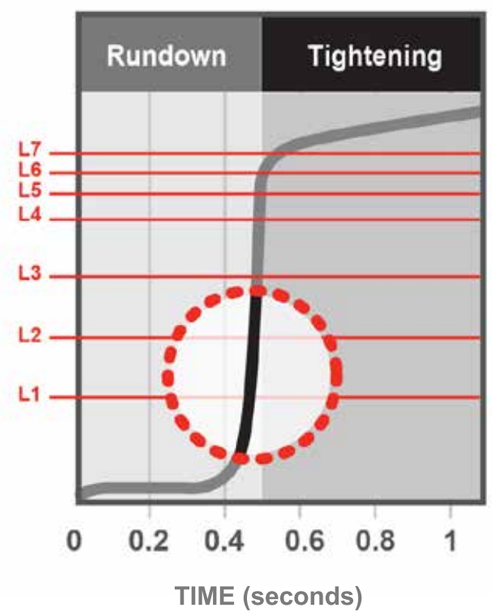
Torque Level Setting (T1 – T40): The setting is the duration after flush point detection when the tool delivers pulses of torque to the fastener before automatically shutting off. With 40 settings, the delivered torque may be best aligned with the actual torque requirement of the fastener and application.



Flush Level Setting (L1 – L7): This setting determines the required level of sensitivity that indicates the flush point has been reached. With 7 available options, the tool can determine the flush point that best aligns with actual joint behavior.

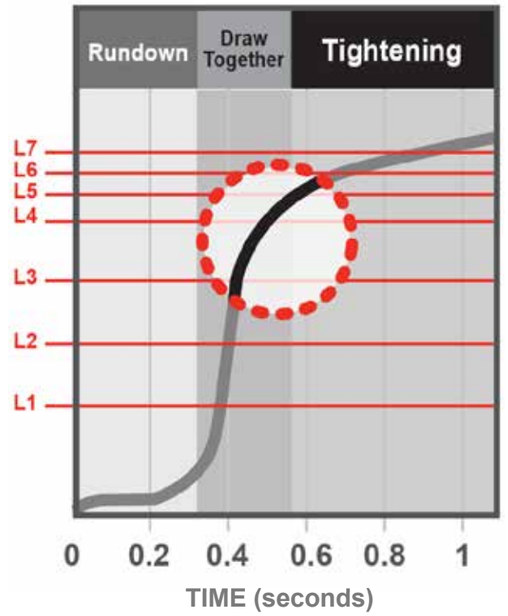
FLUSH LEVEL **SETTINGS**

L1 - L2

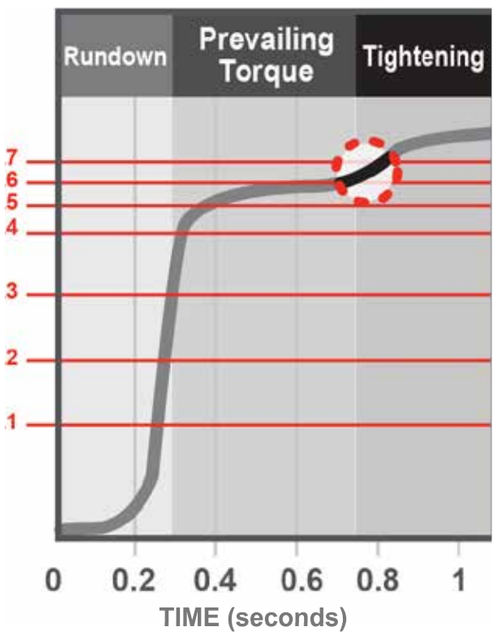


The **highest sensitivity**. Best for hard joints and joints that reach the snug point immediately following rundown completion.

L3 - L5



A medium sensitivity setting that's best for softer joints and joints that involve drawing parts together.



L6 - L7

The lowest sensitivity setting, L6 and L7, are the best for joints that must overcome high prevailing torque before reaching the snug point.

RTS CONNECT **ACCESSORIES**



Unlock even more flexibility and ease of use with a wide range of accessories that meet your specific application needs. RTS Series Precision Fastening Systems are compatible with a variety of plug-and-play accessories that maximize your manufacturing line's productivity.

ACCESSORIES FOR ANY APPLICATION

- Battery chargers and packs
- Tool display protectors
- Socket selector trays
- Suspension bales
- Spring balancers
- Boots



IQV20™ Series 20V, 5.0Ahr - Lithium-Ion Battery BL2022



IQV20™ Series 20V Battery Charger BC1121-EU



IQV20™ Series Li-Ion Dual Bay Charger BC1221-EU



IQV20™ Series 20V, 2.5Ahr- Lithium-Ion Battery BL2012



Boot TP-RTS-BOOT-RD



USB Socket Selector Tray QC-SKTR



Suspension Bale 48382147 (VP1-365)



Spring Balancer



Tool Display Protector TP-RTS-144

TECHNICAL **SPECIFICATIONS**

RTS **MODELS**

Model	Drive	Retainer Type	Recommended Fastener Siz	Torque Range (Nm)	Weight w/o Battery (kg)	Length w/o Socket (mm)	Side to Center Distance (mm)
RTS025PQ4	1/4" Hex	Quick Change	M6-M8	8-25	1.05	155	30.5
RTS060PS6	3/8" Square	Pin Detent	M8-M10	12-60	1.07	163	30.5
RTS060PH6	3/8" Square	Hog Ring/Thru Hole	M8-M10	12-60	1.07	164	30.5
RTS060PS8	1/2" Square	Pin Detent	M8-M10	12-60	1.09	169	30.5
RTS060PH8	1/2" Square	Hog Ring/Thru Hole	M8-M10	12-60	1.09	170	30.5
RTS140PS8	1/2" Square	Pin Detent	M10-M14	30-140	1.1	169	30.5
RTS140PH8	1/2" Square	Hog Ring/Thru Hole	M10-M14	30-140	1.1	170	30.5
RTS225PS8	1/2" Square	Pin Detent	M12-M18	60-225	1.12	169	30.5
RTS225PH8	1/2" Square	Hog Ring/Thru Hole	M12-M18	60-225	1.12	170	30.5

*BL2012 Battery Weight 410g & BL2022 Battery Weight 710g

MTC **LICENSE**

Model	Description
MTC-SW-BS-1-EU	MTC Activation, 1 Tool Add-on
MTC-SW-BS-2-EU	MTC Activation, 2 Tools Add-on
MTC-SW-BS-4-EU	MTC Activation, 4 Tools Add-on
MTC-SW-BS-6-EU	MTC Activation, 6 Tools Add-on
MTC-SW-BS-9-EU	MTC Activation, 9 Tools Add-on
MTC-SW-BS-15-EU	MTC Activation, 15 Tools Add-on



SIMPLE. DURABLE. PRECISE.

QC SERIES CLUTCH TOOLS

SIMPLY PRECISE

QC Series with Ingersoll Rand®
Proven Clutch Design



QC Series Clutch Tools are engineered for robust performance and designed to last more than 500k cycles in demanding assembly environments to deliver precision in every fastening application. The clutch tool offers a seamless setup experience via the INSIGHT™ Connect app, enabling quick programming of advanced parameters to meet specific application needs.

Leveraging the Ingersoll Rand® proven clutch design, the QC Series provides accuracy and durability for customer-critical applications. Designed with user comfort and precision in mind, the balanced ergonomic build helps reduce fatigue, while the dual-speed non-contact trigger and status beam light provide clear feedback for smooth, accurate, and efficient operation.

Simple

Durable

Precise

Easy **to Use**

- 360° status beam light on Pistol Tools and status beam headlight on Angle Tools
- Advanced programmable parameters using the INSIGHT™ Connect Mobile App
- Single battery platform IQV20™ cordless platform

Built **to Last**

- Lasts up to 500k cycles in a high-speed assembly environment

Work with **Accuracy**

- Proven clutch design achieves Cmk >1.67 at +/- 10% accuracy
- Lockable, tamper-proof clutch delivers up to 30 Nm of torque
- Programmable RPM helps tune the tool to meet application-specific requirements

QC SERIES **FEATURES**

Locking Clutch door for torque adjustments

Brushless DC Motor for enhanced durability

Configurable LED ring light:
Red - NOK tightening,
Green - OK tightening,
White - task light

Cycle Status Indicator for PASS/FAIL

Patented Dual-speed, non-contact trigger

Ergonomic and lightweight product design



Compatible with:
IQV20 Battery Platform

7 Programmable advanced parameter

Cordless tools

Advanced Parameters

- Rundown and Tightening Speed
- Tightening Direction
- Reverse Disable
- Cycle Delay
- Soft Start
- Rehit Detection
- Shiftdown Condition



Improve Uptime and Productivity with Advanced Programmable Parameters

QC Series Clutch Tools allow users to easily configure advanced programmable parameters to tailor the tool for each specific application. Adjustable torque output, programmable speed control and other advanced parameters streamline operations, reducing downtime and improving productivity, even on the most complex jobs.



Stay in Control of your Fastening Processes with the

INSIGHT™ Connect App

Tool setup and advanced programming is intuitive in the INSIGHT™ Connect App. Easily program the QC Series tools via a simple USB-C connection on mobile or desktop applications and eliminate the need for additional technical training, special software or plant network permissions.



Rundown Phase

Tightening direction: Choose between clockwise or counterclockwise

Speed (RPM): Set the free tool speed before shift-down conditions are met

Angle shift down: Define the shift from the rundown to tightening phase based on the predefined value of angle rotation, up to 18,000°

Time shift-down: Define the shift from the rundown to tightening phase based on a specific time duration up to 3 seconds

Tightening Phase

Speed (Programmable RPM): Tool speed is set to a user-defined value after high speed rundown, based on the specific shift-down conditions ensuring precise and controlled tightening

Rehit Detection Mode: Alert the operator that a fastener was previously tightened or has been cross threaded.

Tool Parameters

Restart delay on OK cycle: Set a time interval to lock the tool after an OK tightening cycles

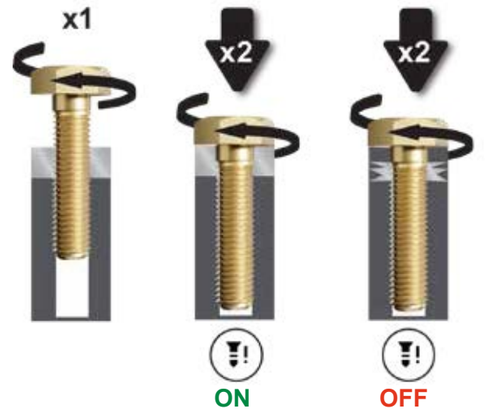
Restart delay on NOK cycle: Set a time interval to lock the tool after a NOK tightening cycle

Soft start (speed ramp up): The tool gradually ramps up at the beginning of a cycle

Reverse disable: The tool only operates in the tightening direction

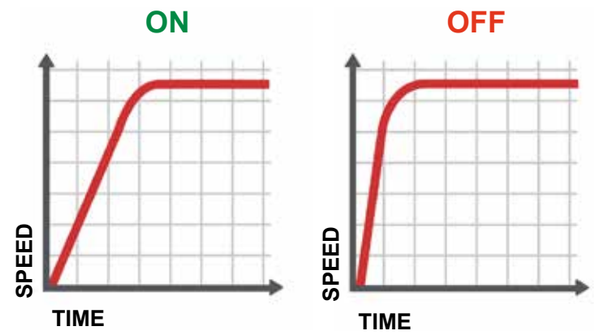
Rehit Detection Mode: When the tool detects a high load on a fastener at startup, Rehit Detection Mode immediately shuts off the tool, displays a cycle-fail indicator, alerting the operator that a fastener was previously tightened or has been cross-threaded.

Benefit: During a common fastening, there is a period of rundown during which the fastener encounters very little resistance. If high resistance is encountered at this stage, the fastener may have been tightened already, or the fastener has been cross-threaded. With Rehit Detection Mode enabled, the tool shuts down when it senses high resistance and will alert the operator that the fastener needs attention.



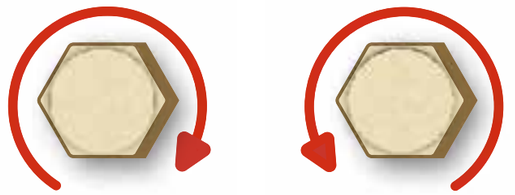
Soft-Start: The tool speed gradually ramps up at the beginning of a cycle.

Benefit: A gradual speed increase during soft start gives the operator more control as they get the fasteners started.



Tightening Direction: Can be programmed as clockwise or counter-clockwise to fasten joints.

Benefit: Tool can be operated in both clockwise and counterclockwise direction when in a shut-off mode.

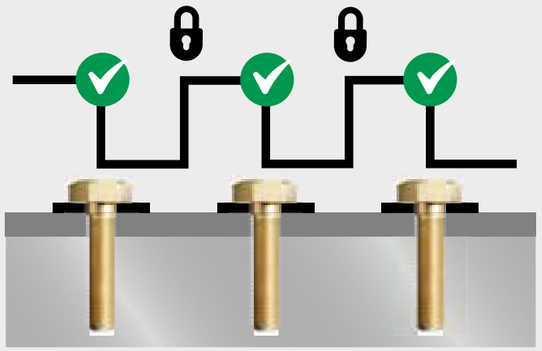


Reverse Disable: The tool only operates in the tightening direction.

Benefit: Maintain control in production when operators are only required to install fasteners. When Reverse Disable is on, the tool will only operate in the tightening direction. Therefore, the tool cannot be used for fastener removal or for rework.



ADVANCED **FEATURES**



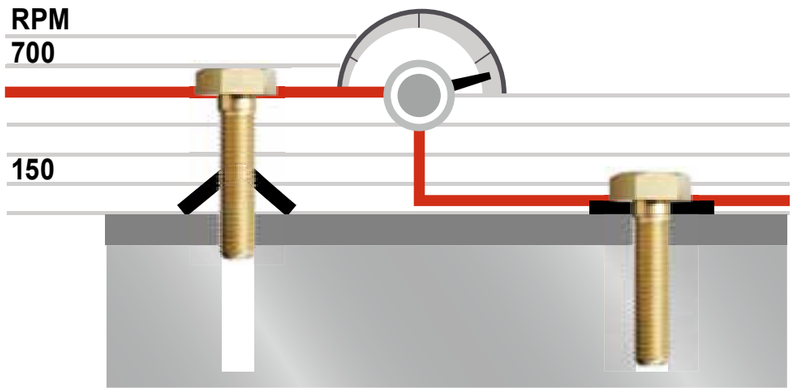
Restart Delay in OK/NOK Cycles: The Restart Delay function (also known as Rehit Prevention Mode) locks the tool, which disables the trigger for a specified period of time, and prevents operation when running an OK or NOK Tightening Cycle.

Benefit: Operator error can be lessened, especially during rapid tightening of a series of fasteners, when failure to advance to the next fastener or tightening of the same fastener twice may occur.

Programmable RPM: Set tool to shift down from **Run-Down Phase** to **Tightening Phase** based on a pre-defined shift down condition.

Angle shift down: Predefined value of angle rotation, up to 18,000º

Time shift-down: Predefined value of specific time duration up to 3 seconds



Benefit: Programmable RPM reduces risk of overtorquing. Damage to the workpiece is minimized when slower speed is used toward the end of the fastening process.





TECHNICAL **SPECIFICATIONS**

Specifications

Model	Tool Configuration	Drive	Torque Range (Nm)	Speed (RPM)	Weight w/o Battery (kg)	Length w/o Battery (mm)	Height w/o Battery (mm)
QCP2P02Q4	Pistol	1/4 Hex	0.5-2	350-1160	1.04	210	208.6
QCP2P04Q4	Pistol	1/4 Hex	1-4	350-1160	1.04	210	208.6
QCP2P08Q4	Pistol	1/4 Hex	3-8	140-700	1.04	210	208.6
QCP2P12Q4	Pistol	1/4 Hex	5-12	140-700	1.04	210	208.6
QCP2A30S6	Angle	3/8 Sq	15-30	60-300	1.59	510	66.3

All tool boxes include: Tool, clutch adjustment tool, protection boot, tool hanger, calibration certification and manuals.

Kits

EMEA	INDIA	Description
QCP2P02Q4-K2-EU	QCP2P02Q4-K2-IN	2 Nm Pistol – 2 Battery / 1 Charger Kit
QCP2P04Q4-K2-EU	QCP2P04Q4-K2-IN	4 Nm Pistol – 2 Battery / 1 Charger Kit
QCP2P08Q4-K2-EU	QCP2P08Q4-K2-IN	8 Nm Pistol – 2 Battery / 1 Charger Kit
QCP2P12Q4-K2-EU	QCP2P12Q4-K2-IN	12 Nm Pistol – 2 Battery / 1 Charger Kit
QCP2A30S6-K2-EU	QCP2A30S6-K2-IN	30 Nm Angle – 2 Battery / 1 Charger Kit



Battery and Charger Platform

IQV20™ Series 20V,
2.5 Ahr - Lithium-Ion Battery
BL2012



IQV20™ Series 20V
Single Battery Charger
BC1121-AP2 (For India)
BC1121-EU (For EMEA)



IQV20™ Series 20V,
5.0 Ahr - Lithium-Ion Battery
BL2022



IQV20™ Series 20V
Dual Bay Battery Charger
BC1221-IN (For India)
BC1221-EU (For EMEA)



QX CONNECT SERIES™



Taking total control of your fastening process doesn't have to be complicated. Our comprehensive QX Connect Series™ family of fastening systems deliver simple, flexible and capable solutions for all of your assembly requirements. No matter the industry or application, you can count on Ingersoll Rand as a trusted partner to help you get the job done right.

DIFFERENT, BY DESIGN

	SIMPLE	FLEXIBLE	CAPABLE
	EXPERTISE NOT REQUIRED	**EASILY IMPLEMENT CHANGE**	**MEET YOUR REQUIREMENTS**
WHAT DOES THIS MEAN TO ME?	■ Save on selection, training and installation costs ■ Easy to use, ergonomic designs ■ Simple to order, fast delivery	■ Easy line integration and rebalancing ■ Multiple product options ■ Connectivity options enable fast programming	■ Performance that optimizes your productivity ■ Durable designs, lower cost of ownership ■ Advanced diagnostics identify problems and enhance safety

ICON IDENTIFIERS

Compatibility Referene

USB compatible

Insight Connect App

ETS
(Ergonomic Tightening System)

Wireless

Bluetooth compatible



QX CONNECT SERIES™ CORDLESS PRECISION FASTENING SYSTEMS OVERVIEW

The innovative QX Connect Series™ is simple for anyone to use. It offers flexibility because of its feature-rich configurations, and can manage everything from data and fast programming to modifications on your line. The QX Connect Series™ increases productivity and lowers costs — all at a price you can afford.

SIMPLE

- Multi-function display module for quick setup and feedback
- Compact, lightweight and ergonomically balanced so the operator can work without restraints
- The intuitive INSIGHT Connect app will help you stay productive & mobile on the plant floor via Bluetooth or wired connection.



QX Connect Series™ Precision Screwdriver

MTC Controller

FLEXIBLE

- Provides up to 32 fully programmable configurations on a single tool, reducing costs and workspace clutter
- Fast and intuitive programming makes the tool easily adaptable to any needed changes on your assembly line
- Cordless and portable, allowing for effortless movement around your facility



QX Connect Series™ Angle Wrenches

CAPABLE

- At the heart of every tool is the closed-loop transducer control that delivers precise torque and accurate, traceable results
- Available in a variety of configurations, including pistol grip, angle wrench, multiplied, and ETS
- Wireless & Bluetooth communication options enable flexible line integration, remote monitoring and simple system programming across a plant-wide network
- Manage cycle data, control the process, receive system status alerts and implement configuration adjustments in real time with INSIGHTQCX™ using Ethernet, Fieldbus and digital I/O



QX Series™ Multiplier 1,000 Nm Pistol



QX Connect ETS (Ergonomic Tightening System)

SIMPLE FLEXIBLE CAPABLE

QX CONNECT SERIES™ FEATURES



Precision planetary gears for greater reliability

Patented transducer control provides traceable results

USB port for convenient programming and data transfer

Bluetooth & wireless Connectivity options

Optional wireless communications for process control and data collection

Multiple drive choices 1/4" quick-change, 1/4" square drive, 3/8" square drive, and 1/2" square drive options available

Durable DC brushless motor tested beyond a million cycles

Super bright LED headlight with programmable on and off times. *

Non-contacting patented trigger and reverse switch for maximum durability

Ergonomic design, comfortable, lightweight and balanced

High strength, impact resistant lens guards against damage

Optional backlit display offers quick setup and remarkable visual feedback

Lithium ion battery provides maximum run time and portability

Optional Drive Modes for Reduced Reaction (ETS)

** Not available on all models*

HOW TO SELECT THE RIGHT TOOL

When it comes to fastening, non-transducerized tools don't stand a chance.

The QX Connect Series™ line of products give you closed-loop control of your fastening process, and the ease of mobility with different connectivity options. Each and every tool allows for programmable tightening strategies to deliver higher quality fastened joints and a level of control that is unmatched by other solutions. The diversity of the QX Series™ lineup offers a simple, flexible and capable solution for any fastening need.

	QXFN QXFD	QXBN QXBD	QXXN QXXD	QXWD
Programmable with ICS	✓	✓	✓	X
Programmable with INSIGHTQCX	✓	✓	✓	✓
Programmable with INSIGHT Connect App				
ETS Mode (Separate Part Number)	✓	✓	✓	✓
Bluetooth	X	✓	✓	✓
Wireless Radio	X	X	✓	✓
WLAN / Wi-Fi	X	X	X	✓
Communication Band	X	X	X	Dual Band 2.4-5GHz
Cybersecurity Authentication	X	X	X	✓
No. Of Psets	32	32	32	32
Torque Range	0.8-80 Nm	0.8-80 Nm	0.8-80 Nm	0.8-80 Nm

QXF SERIES CORDLESS TOOLS

QXF offers superior transducerized control and operator feedback in a way that is easy to use and simple to setup. This unique series features 32 tightening configuration that can be programmed via USB using the INSIGHT Connect app. All QXF tools have no wireless communication and can only be programmed via USB using the INSIGHT Connect app.

As a best alternative to a clutch tool it is optimized for stand-alone quality critical applications with it's transducer, results memory and angle control to prevent joint misalignments and unusual issues.

FEATURES

- Program 32 PSETs configurations into one tool
- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Visual operator feedback using display screen and green and red lights
- Visual torque validation on display
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- 1200 cycles of data storage

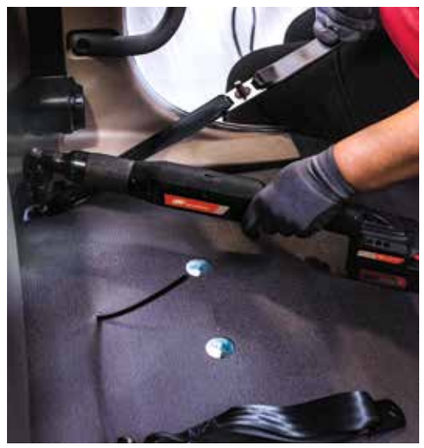
BENEFITS

- Simple to program via display & USB using the INSIGHT Connect app
- Comes with a Display and a No-display option

SIMPLE FLEXIBLE CAPABLE

Visit irtools.com/qx to view spec data and request a demo





QXB SERIES CORDLESS TOOLS

The versatile QXB Series feature 32 tightening configurations, offering the ability to consolidate the number of tools needed in your bag or bench. The series also enhances the feedback provided from the tool by displaying the measured torque or angle results to the operator. The QXB models further add Bluetooth connectivity & program the tools via wireless using the INSIGHT™ Connect app.

As a best alternative to a clutch tool it is optimized for stand-alone quality critical applications with it's transducer, results memory and angle control to prevent joint misalignments and unusual issues. Additionally, flexibility of programming from any smartphone or tablet with INSIGHT App & Bluetooth. Versatile even in remote applications, where advanced settings and basic data collection is required.

FEATURES

- Program 32 PSETs configurations into one tool
- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Visual operator feedback using display screen and green and red lights
- Visual torque validation on display
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- 1200 cycles of data storage

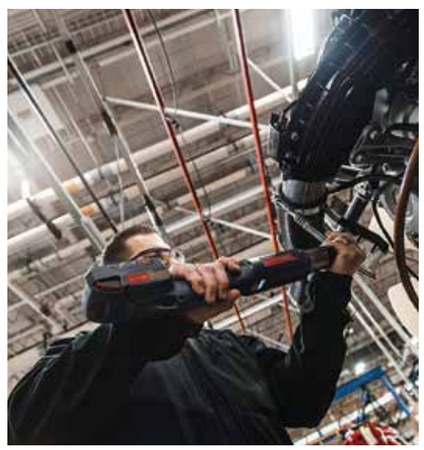
BENEFITS

- Simple to program via display & USB & bluetooth using the INSIGHT Connect app
- Comes with a Display and a No-display option

SIMPLE FLEXIBLE CAPABLE

Visit irtools.com/qx to view spec data and request a demo





QXX SERIES CORDLESS TOOLS

The easy to use QXX has the unique ability to integrate with line control systems for error proofing and data collection. The series also allows remote monitoring and integration with standard fastening system accessories.

For applications where data collection, traceability and process control are critical to success, with easy to use interface for fast and flexible setup and integration.

FEATURES

- Program 32 PSETs configurations into one tool
- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Visual operator feedback using display screen and green and red lights
- Visual torque validation on display
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- 1200 cycles of data storage

BENEFITS

- Simple to program via display & USB & bluetooth & zigbee using the INSIGHT Connect app or INSIGHT QCX Controller
- Comes with a Display and a No-display option
- Connect up to 6 Tools with INSIGHTQCX™ Controller

SIMPLE FLEXIBLE CAPABLE

Visit irtools.com/qx to view spec data and request a demo





QXW LIMITLESS SERIES
CORDLESS TOOLS

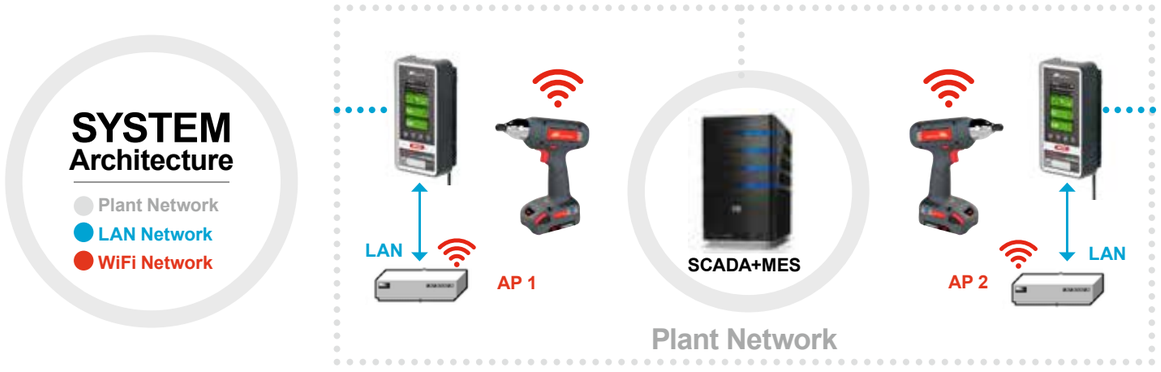
Ingersoll Rand's QX Connect Series™ has been instrumental in helping more organizations take control of their fastening processes through its simple, flexible, and capable performance. Now, with the introduction of the QXW Limitless platform we're adding 'connected, controlled, and compliant' to the bottom line. Dual-band communication technology deliver a seamless, uninterrupted connection - and across a greater communication range than other cordless fastening systems can offer.



Connectivity • Complete Control • Confidently Secure

Up to 10 Tools connected to Controller • Security Authentication

Dual Band Communication • Extended Coverage on Mesh Networks



FEATURES

- Program 32 PSETs configurations into one tool
- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Visual operator feedback using display screen and green and red lights
- Visual torque validation on display
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- 1200 cycles of data storage

BENEFITS

- Simple to program via display & USB & bluetooth & zigbee & wifi using the INSIGHT ™Connect App or INSIGHTQCX™ Controller
- Comes with Display
- Setup WIFI configuration using INSIGHT Net Desktop APP or INSIGHT™ Connect App
- Connect up to 10 Tools with INSIGHTQCX™ Controller
- 2.4 Ghz and 5Ghz Auto Switching
- Dual Band Communication 2.4Ghz and 5 Ghz
- Multiple Cybersecurity authentication

WHY QXW Limitless?

CONNECTIVITY

The QXW Limitless platform enhances seamless, plant-wide connectivity across a broader range where access points share the same SSID and password. Incorporating dual band communication technology, the system helps to eliminate communication breakdowns in high-traffic work zones to ensure no loss in production.

- Dual Band Communication seamlessly switches between 2.4 and 5 Ghz Band
- Reduces Limitation of Communication distance between Tools and Controller

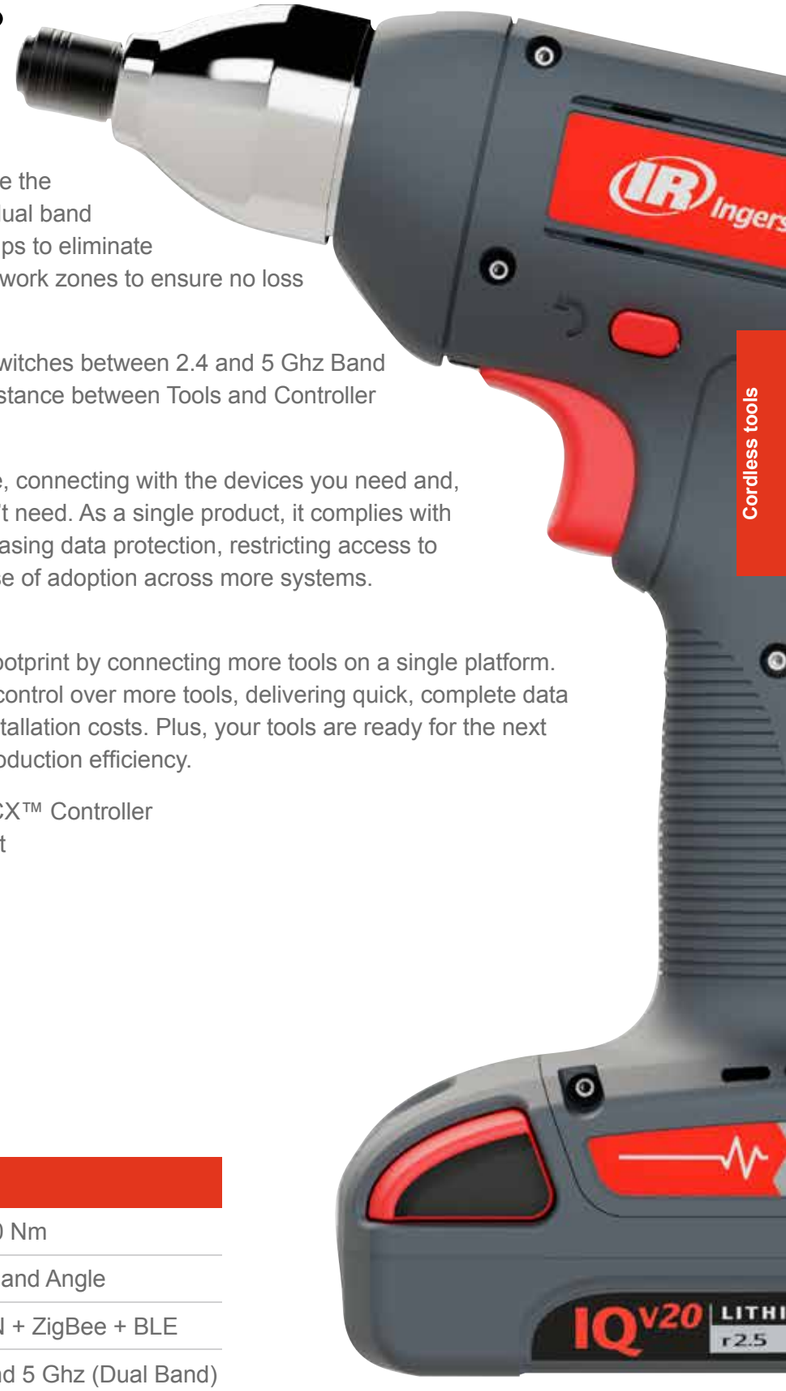
CONFIDENTLY SECURE

QXW Limitless delivers greater confidence, connecting with the devices you need and, just as importantly, NOT the ones you don't need. As a single product, it complies with multiple IT cybersecurity regulations, increasing data protection, restricting access to non-authorized devices, and providing ease of adoption across more systems.

COMPLETE CONTROL

The QXW Limitless limits your hardware footprint by connecting more tools on a single platform. This fast, reliable system delivers greater control over more tools, delivering quick, complete data transfer between devices and reducing installation costs. Plus, your tools are ready for the next cycle much sooner, ensuring increased production efficiency.

- Connect Up to 10 Tools with INSIGHTQCX™ Controller
- Upto 40% reduction in Hardware footprint
- Faster data Transfer



SPECIFICATIONS

Product Family	QXW
Torque Range	0.8-80 Nm
Tool Configuration	Pistol and Angle
Wireless Communication	WLAN + ZigBee + BLE
Band	2.4 and 5 Ghz (Dual Band)
Security Authentication	WPA/WPA2, EAP-TLS, EAP TTLS,PEAP
Ergonomic Tightening System	Optional
Tool Display	Available
Communication Range	50 Meters + on 2.4 Ghz
Tools on INSIGHTQCX™	Upto 10 Tools

QX CONNECT ETS SERIES
CORDLESS TOOLS

Reducing the torque reaction in your fastening process doesn't have to be complicated. Control and ergonomics, not compromise - that is what the QX ETS is all about. The QX ETS offers all the capabilities found in the QX Connect Series™ platform, with less the torque reaction.

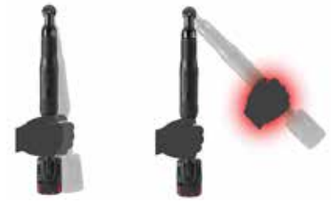
What is ETS (Ergonomic Tightening System)

ETS stands for "Ergonomic Tightening System". QX + ETS delivers all the performance and control features of the standard QX Series™ precision fastening tools, with an improved erogomic benefit. It significantly reduces the average amount of fouce experienced by the operator during the tightening process.

QX + ETS reduces average reaction force experienced by the QX Series™ user up to

63%

When ETS is active, the operator's arm movement is limited to a series of smaller movements instead of one large movement.



ETS Active ETS Not Active

This enables the operator to stay in control and in the "power zone", reducing the chance for injury caused by quick, excessive movement.

FEATURES

- Ergonomically enhanced motor control algorithm significantly reduces the average force experienced by the operator during the tightening process
- Red foot label provides clear indication of ETS tool identity vs standard QX tool
- Continuously flashing purple light above keypad provides operator assurance that ETS is ACTIVE
- All the capability of the QX platform, without the torque reaction
- Common software and battery platform for simple integration
- ETS features are available for all QX Connect models and available in pistol grip, low torque angle and high torque angle
- Onboard 'pulse' counter supports proper optimization and application of ETS tools on ideal applications (10 pulses or less per cycle)



SIMPLE SETUP

In addition to standard direct drive mode, each tool configuration can be independently programmed to utilize one of the three available single-parameter ETS modes, simplifying setup:

Ergonomic Mode
with the lowest energy pulse, is ideal for hard joints or when arm, wrist or tool angles are most difficult.

Performance Mode
with medium energy pulse, is the best all-purpose mode.

Productivity Mode
with the highest energy pulse, is the fastest mode. Ideal for soft joints or when high production rates are required.

CUSTOMIZE FOR SPECIAL APPLICATIONS

QX PISTOL SPECIAL HEAD ADAPTER

The QX Pistol Special Head Adapter is the perfect solution to simply increase the flexibility of your QX pistol screwdriver. Using this adapter leverages the closed-loop capability of the QX tool to the most unique applications. The adapter helps manufacturers meet the requirements of applications where restricted access requires a custom head to reach the fastener. Common applications requiring a special head adapter, include assembling aircraft wings or installing door hinges on cars and trucks.

SIMPLE
Ready made and easy to install

FLEXIBLE
Use your QX pistol grip tool for unique applications

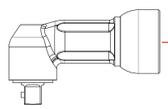
CAPABLE
Employ closed-loop control capabilities on specialty applications



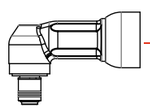
Special Head Adapter



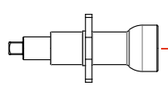
TK-VP1-550-S6
Standard 3/8" Square Drive Anglehead
Max torque: 36 Nm



TK-VP1-550-Q4
Standard 1/4" QC Drive Anglehead
Max Torque : 36Nm



TK-VP1-58
Standard 3/8" Square Drive Inline Floating Spindle with Flange Mount
Max Torque : 24Nm

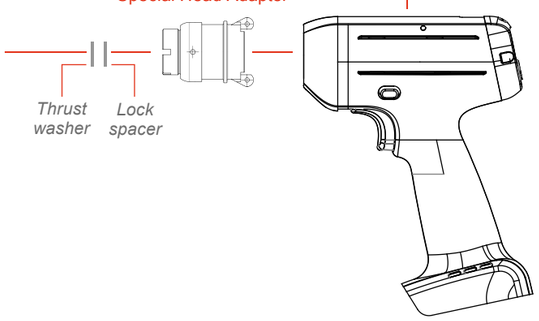


Custom Attachment
Employ closed-loop control capabilities on specialty applications.

Any non-multiplier pistol grip QX tool

VP1-K40
Special Head Adapter

Thrust washer *Lock spacer*



QXM SERIES CORDLESS TORQUE MULTIPLIER

The next generation QX Series™ 40V Cordless Torque Multiplier, will reduce your bolting time and cost, while ensuring repeatable accuracy for all torque-critical joints. Designed with a premium gearbox and an efficient, time-tested closed-loop transducer, the Torque Multiplier offers proven quality, control and programmable configurations to maximize your productivity.

TRACEABLE CONFIDENCE IN EVERY HIGH TORQUE FASTENING

Accuracy

- Ingersoll Rand's closed-loop transducer control at the heart of the tool delivers precise torque and accurate, traceable results—it's precision where you need it most. Automatically trace every tightening cycle to the day and minute with a persistent internal clock. Forget manual pen and paper recording.

Control

- A multi-function display module allowing for quick setup and real time feedback on every QX Series™ tool
- User-programmable configurations such as torque, angle and gang count that reduce the number of tools needed for multiple applications

Comfort

- Cordless and compact, the QX Series™ Torque Multiplier allows operators to move freely without the need of bulky air or hydraulic hoses, electrical cords,compressors, generators or powerpacks
- Integrated tethering ring included to safely secure the tools

Communication

- Program via a USB, Bluetooth* or Zigbee** wireless connection
  (*Requires mobile app (INSIGHT CONNECT) & QX Controller (INSIGHTQCX), controller sold separately)
- Direct connect the tool to the INSIGHT™ Connect app on your Bluetooth enabled device
- Tool configuration, data management and process control via INSIGHT™ Connect App

Versatility

- Fast programming that makes the tool adaptable to multiple applications
- Cordless and portable to allow operators to move freely around any workplace or environment
- Available in either pistol or angle configurations



QX Series™ Torque Multiplier
1620NM High Torque Angle Wrench



QX™ Series 40V Torque
Multiplier 1000NM Pistol Grip



QX Series™ 20V Torque
Multiplier - Pistol Grip



QX Series™ 40V Torque
Multiplier for Tire Service

QXM SERIES CORDLESS TORQUE MULTIPLIER FEATURES



Cycle status lights and audible alarm provide instant validation during each operation
Red – Above set high limit
Yellow – Below set low limit
Green – Within set range
Blue – Active alarm condition



Backlit display offers quick set-up and easy to read visual feedback

Real time results displayed for every fastening

Bluetooth pairing to your Apple iOS or Goggle Android device



Fully integrated with the INSIGHTQCX™ Controller and INSIGHT Connect app for automatic data capture, easy results sharing and tool programming

SUPERIOR CONTROL
AND COMMUNICATION

Ingersoll Rand® doesn't just give you unprecedented technology, we give you total control of that technology. With up to 32 programmable PSETs configurations per tool, the QX Series™ 40V Torque Multiplier allows operators to transition seamlessly between different bolting applications. You'll be able to use bolting strategies individually, or combined in one strategy depending on what works best for you.
Improve ability to record, capture & download data!

COMMON BOLTING STRATEGIES

Torque

Achieve desired torque within high and low limits



Angle

Achieve target rotation within high and low limits



Gang Count

Counts all rundowns to ensure all bolts have been fastened

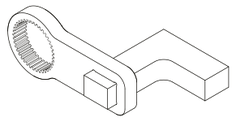


+ If additional control is needed, Ingersoll Rand's INSIGHTQCX Controller or Insight Connect app gives you even more options to adapt to the most complicated bolting applications.

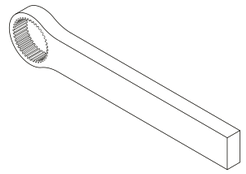


REACTION ARMS FOR MULTIPLIERS

Ingersoll Rand® offers the following variety of reaction arms for different applications. Reaction arms are available in both 52 mm and 72 mm spline drives, depending the on the size of the gearbox.



Cranked, 45 or 90 degrees



Straight, aluminum or steel
(multiple lengths available)

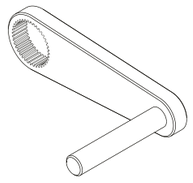
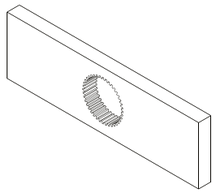
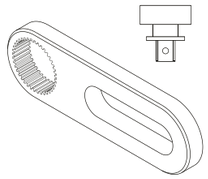


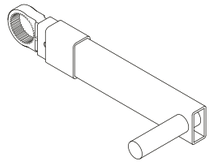
Plate and Peg
(multiple lengths available)



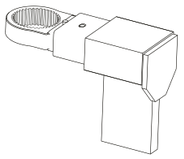
Double-sided



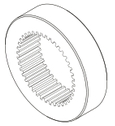
Sliding slave kit
(multiple lengths available)



Yoke and tube
(multiple lengths available)



Yoke & Paddle
(multiple lengths available)



Blank welding ring

Part Number	Spline (mm)	Type
STEEL		
TP-NSP-766-72WS	72	Truck Tire
NSP-766-52-72YP	52-72	Yoke & Paddle
NSP-766-52-72YTP	52-72	Yoke & Peg
NSP-766-52CR	52	Cranked (45deg)
NSP-766-52CR90	52	Cranked (90deg)
NSP-766-52PPS060	52	Plate & Peg
NSP-766-52SL	52	Sliding Slave (7”)
NSP-766-52SLK12	52	Sliding Slave
NSP-766-52SLS050	52	Sliding Slave (5”)
NSP-766-52ST	52	Straight (10”)
NSP-766-52STS155	52	Straight (15.5”)
NSP-766-52STSD098	52	Double-Sided (9.8”)
NSP-766-52WR	52	Weld Ring
NSP-766-52Y	52	Yoke
NSP-766-52YPA	52	Yoke & Paddle
NSP-766-52YTA	52	Yoke & Tube
NSP-766-72CR	72	Cranked (45deg)
NSP-766-72CR90	72	Cranked (90deg)
NSP-766-72PP100	72	Plate & Peg (10”)
NSP-766-72SL	72	Sliding Slave (8”)
NSP-766-72SLK12	72	Slave Square Kit (3/4”)
NSP-766-72SLK16	72	Slave Square Kit (1”)
NSP-766-72ST	72	Straight (10”)

Part Number	Spline (mm)	Type
NSP-766-72STS070	72	Straight (7”)
NSP-766-72STS155	72	Straight (15.5”)
NSP-766-72STSD079	72	Double-Sided (7.9”)
NSP-766-72WR	72	Weld Ring
NSP-766-72Y	72	Yoke
NSP-766-72YPA	72	Yoke & Paddle
NSP-766-72YTA	72	Yoke & Tube
NSP-766-92CR	92	Cranked (45deg)
NSP-766-92CR90039	92	Cranked (90deg)
NSP-766-92PP080	92	Plate & Peg (8”)
NSP-766-92SL08	92	Straight (1”)
NSP-766-92SL12	92	Straight (1.5”)
NSP-766-92STS079	92	Straight (7.9”)
NSP-766-92STS155	92	Straight (15.5”)
NSP-766-92STSD095	92	Double-Sided (9.5”)
NSP-766-92WR	92	Weld Ring
ALUMINIUM		
NSP-766-52STA100	52	Straight (10”)
NSP-766-52STA155	52	Straight (15.5”)
NSP-766-92CRA	92	Cranked (45deg)
NSP-766-92STA155	92	Straight (15.5”)

Not all applications are equal — Ingersoll Rand offers custom reaction arms.
Please see your certified distributor for more information.

SYSTEM ACCESSORIES

We offer a wide range of accessories that offer ease of use and flexibility to meet your specific application needs. QX Precision Fastening Systems are compatible with a variety of plug and play accessories to maximize productivity for your manufacturing line.

ACCESSORIES FOR ANY APPLICATION

- Battery chargers
- Battery packs
- Boots
- Bit selector trays
- Socket selector trays
- Suspension bales
- Auxiliary handles
- Selector tray cables
- Torque testers
- Spring balancers
- Socket kits



IQ^{V40} Series 40V, 2.5Ah Battery Charger
BC1161-EU



IQ^{V40} Series 40V, 2.5Ah Lithium Ion Battery Pack
BL4011



IQ^{V20} Series 20V Battery Charger
BC1221-EU



IQ^{V20} Series 20V, 5.0Ahr Lithium Ion Battery Pack
BL2022



IQ^{V20} Series 20V, 2.5Ahr Lithium Ion Battery Pack
BL2012



DIO Box
QC-DIO-8CH



2.5Ah Battery Boot
BL2012



5.0AhBattery Boot
BL2010



VP1-Boot-NP
Protective cover with closed back



Light Tower
QC-TL-4



Selector Tray Cables
IC-10PIN-6M for IC-Socket-4
IC-19PIN-5M for IC-Bit-8
This is required



Corded
IC-BIT-8



USB Socket Selector Tray
QC-SKTR



Pistol Tool Suspension Bale **VP1-365**



Safety Trigger Kit
TK-VP2-075-1
** Should be ordered via solution center*



Auxiliary Handle
VP1-A48



INSIGHTQCX™ Controller
QCXD11



Hard Case
TA-VP2-HCS-2



3/4" and 1" Socket Kits
SK8C5TN

For a specific part number and ordering details, please refer to the accessories guide at irtools.com/assemblyaccessories

QX CONNECT TECHNICAL SPECIFICATIONS

QXFN/QXFD

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXFN: Pistol									
QXFN2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	NO
QXFN2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	NO
QXFN2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT008EQ04-EU	1.6-8	1150	0.91	206.5	26	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	NO
QXFN2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	NO
QXFN2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8" Square	USB Cable	NO
QXFN2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT012EQ04-EU	2.4-12	750	0.91	206.5	1.0 (26)	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	NO
QXFN2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	NO
QXFN2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8" Square	USB Cable	NO
QXFN2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT018EQ04-EU	3.6-18	500	0.91	206.5	26	20V	1/4" Quick Change	USB Cable	NO
QXFN2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	NO
QXFN2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8" Square	USB Cable	NO
QXFN2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8" Square	USB Cable	NO
QXFN: Angle									
QXFN2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20V	1/4" Quick Change	USB Cable	NO
QXFN2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8" Square	USB Cable	NO
QXFN2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8" Square	USB Cable	NO
QXFN2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4" Quick Change	USB Cable	NO
QXFN2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8" Square	USB Cable	NO
QXFN2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8" Square	USB Cable	NO
QXFN2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8" Square	USB Cable	NO
QXFN: Angle									
QXFN5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40V	3/8" Square	USB Cable	NO
QXFN5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8" Square	USB Cable	NO
QXFN5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40V	1/2" Square	USB Cable	NO
QXFN5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8" Square	USB Cable	NO
QXFN5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2" Square	USB Cable	NO
QXFN5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2" Square	USB Cable	NO
QXFN5AT040ES08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2" Square	USB Cable	NO
QXFN5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2" Square	USB Cable	NO
QXFN5AT080ES08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2" Square	USB Cable	NO
QXFD: Pistol									
QXFD2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	YES
QXFD2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	YES
QXFD2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	YES
QXFD2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	YES
QXFD2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	YES
QXFD2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	YES
QXFD2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8" Square	USB Cable	YES
QXFD2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	YES
QXFD2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4" Square	USB Cable	YES
QXFD2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	YES
QXFD2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8" Square	USB Cable	YES
QXFD2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4" Quick Change	USB Cable	YES
QXFD2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8" Square	USB Cable	YES
QXFD2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8" Square	USB Cable	YES
QXFD2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8" Square	USB Cable	YES
QXFD: Angle									
QXFD2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20V	1/4" Quick Change	USB Cable	YES
QXFD2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8" Square	USB Cable	YES
QXFD2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8" Square	USB Cable	YES

With ETS

QXFN/QXFD (continued)

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXFD2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4” Quick Change	USB Cable	YES
QXFD2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8” Square	USB Cable	YES
QXFD2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8” Square	USB Cable	YES
QXFD2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8” Square	USB Cable	YES
QXFD: Angle									
QXFD5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40V	3/8” Square	USB Cable	YES
QXFD5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8” Square	USB Cable	YES
QXFD5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40V	1/2” Square	USB Cable	YES
QXFD5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8” Square	USB Cable	YES
QXFD5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2” Square	USB Cable	YES
QXFD5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	USB Cable	YES
QXFD5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	USB Cable	YES

QXBN/QXBD

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXBN: Pistol									
QXBN2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	NO
QXBN2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	NO
QXBN2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	NO
QXBN2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN: Angle									
QXBN2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4” Quick Change	Bluetooth + USB Cable	NO
QXBN2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8” Square	Bluetooth + USB Cable	NO
QXBN: Angle									
QXBN5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40V	3/8” Square	Bluetooth + USB Cable	NO
QXBN5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8” Square	Bluetooth + USB Cable	NO
QXBN5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40V	1/2” Square	Bluetooth + USB Cable	NO
QXBN5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8” Square	Bluetooth + USB Cable	NO
QXBN5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2” Square	Bluetooth + USB Cable	NO
QXBN5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	NO
QXBN5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	NO

With ETS

QXBN/QXBD (continued)

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXBD: Pistol									
QXBD2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	YES
QXBD2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT008EQ4-EU	1.6-8	1150	0.91	206.5	26	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	YES
QXBD2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4” Square	Bluetooth + USB Cable	YES
QXBD2PT012EQ4-EU	2.4-12	750	0.91	206.5	26	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT018EQ4-EU	3.6-18	500	0.91	206.5	26	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD: Angle									
QXBD2AT005PQ04-EU	1.0-5	1,213	1.14	552	9.2	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4” Quick Change	Bluetooth + USB Cable	YES
QXBD2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8” Square	Bluetooth + USB Cable	YES
QXBD: Angle									
QXBD5AT020PS06-EU	4.0-20	1,045	2.04	577.7	13.1	40V	3/8” Square	Bluetooth + USB Cable	YES
QXBD5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8” Square	Bluetooth + USB Cable	YES
QXBD5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40V	1/2” Square	Bluetooth + USB Cable	YES
QXBD5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8” Square	Bluetooth + USB Cable	YES
QXBD5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2” Square	Bluetooth + USB Cable	YES
QXBD5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	YES
QXBD5AT040ES08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	YES
QXBD5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	YES
QXBD5AT080ES08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Bluetooth + USB Cable	YES

QXXN/QXXD

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXNN: Pistol									
QXXN2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT004PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT008PQ04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT008EQ04-EU	1.6-8	1150	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO

With ETS

QXXN/QXXD (continued)

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXXN2PT012EQ04-EU	2.4-12	750	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT018EQ04-EU	3.6-18	500	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXXN2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXNN: Angle									
QXXN2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXNN: Angle									
QXXN5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT040ES08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	NO
QXXN5AT080ES08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square Drive	Zigbee + Bluetooth + USB Cable	NO
QXXD: Pistol									
QXXD2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT004PS04-EU	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT004PS06-EU	0.8-4	1,500	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT008EQ04-EU	1.6-8	1150	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT008ES06-EU	1.6-8	1150	0.91	203	26	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT012EQ04-EU	2.4-12	750	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT012ES06-EU	2.4-12	750	0.91	203	26	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT018EQ04-EU	3.6-18	500	0.91	206.5	26	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT018ES06-EU	3.6-18	500	0.91	203	26	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT024ES06-EU	4.8-24	500	0.91	212	26	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD: Angle									
QXXD2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT018PQ04-EU	3.6-18	500	1.27	542	13	20V	1/4” Quick Change	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT018PS06-EU	3.6-18	500	1.27	542	13	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT027PS06-EU	5.4-27	330	1.68	552	17	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES

With ETS

QXXN/QXXD (continued)

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXXD: Angle									
QXXD5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40V	3/8” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT040ES08-EU	8.0-40	545	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES
QXXD5AT080ES08-EU	12.0-80	375	2.27	586.1	21.6	40V	1/2” Square	Zigbee + Bluetooth + USB Cable	YES

QXW - LIMITLESS

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXW: Pistol									
QXWD2PT004PQ04-EU	0.8-4	1,500	0.91	215.4	215.4	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT004PS04-EU	0.8-4	1,500	0.91	208.3	208.3	20	1/4” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT004PS06-EU	0.8-4	1,500	0.91	212	212	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT008PQ04-EU	1.6-8	1,150	0.91	215.4	20.3-26.0	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT008EQ04-EU	1.6-8	1150	0.91	206.5	26	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT008PS04-EU	1.6-8	1,150	0.91	208.3	20.3-26.0	20	1/4” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT008PS06-EU	1.6-8	1,150	0.91	212	20.3-26.0	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT008ES06-EU	1.6-8	1150	0.91	203	26	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT012PQ04-EU	2.4-12	750	0.91	215.4	20.3-26.0	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT012EQ04-EU	2.4-12	750	0.91	206.5	26	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT012PS04-EU	2.4-12	750	0.91	208.3	20.3-26.0	20	1/4” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT012PS06-EU	2.4-12	750	0.91	212	20.3-26.0	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT012ES06-EU	2.4-12	750	0.91	203	26	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT018PQ04-EU	3.6-18	500	0.91	215.4	20.3-26.0	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT018EQ04-EU	3.6-18	500	0.91	206.5	26	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT018PS06-EU	3.6-18	500	0.91	212	20.3-26.0	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT018ES06-EU	3.6-18	500	0.91	203	26	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2PT024ES06-EU	1.8-24	330	0.91	212	26	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXW: Angle									
QXWD2AT005PQ04-EU	1.0-5	1213	1.14	552	9.2	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT010PS06-EU	2.0-10	936	1.18	525	12.5	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT015PS06-EU	3.0-15	600	1.18	525	12.5	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT018PQ04-EU	3.6-18	500	1.27	542	13	20	1/4” Quick Change	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT018PS06-EU	3.6-18	500	1.27	542	13	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT027PS06-EU	5.4-27	330	1.68	552	17	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD2AT027ES06-EU	5.4-27	330	1.68	552	17.2	20	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXW: Angle									
QXWD5AT020PS06-EU	4.0-20	1045	2.04	577.7	13.1	40	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT030PS06-EU	6.0-30	775	2.18	581.8	17.2	40	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT030PS08-EU	6.0-30	775	2.18	581.8	17.2	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT035PS06-EU	7.0-35	640	2.18	581.8	17.2	40	3/8” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT035PS08-EU	7.0-35	640	2.18	581.8	17.2	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT040PS08-EU	8.0-40	545	2.27	586.1	21.6	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT040ES08-EU	8.0-40	545	2.27	586.1	21.6	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT080PS08-EU	12.0-80	375	2.27	586.1	21.6	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES
QXWD5AT080ES08-EU	12.0-80	375	2.27	586.1	21.6	40	1/2” Square Drive	WLAN 2.4 & 5 GHz + Zigbee + Bluetooth + USB Cable	YES

With ETS

QX CONNECT TECHNICAL SPECIFICATIONS

CORDLESS TORQUE MULTIPLIER

Model	Torq Nm	1 min rpm	Weight (kg)	Length (mm)	Spline Size (mm)	Voltage	Drive	Communication	Display Type
QXXD: Pistol									
QXXD2PT200PM12	200	39	3.62	373	52	20V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT200PM12-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD2PT500PM12	500	13	3.62	373	52	20V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXXD2PT500PM12-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT200PM12	200	83	6.3	390	52	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT200PM12-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT500PM12	500	27	6.3	393	52	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT500PM12-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT10CPM12	1000	15	9.1	422	72	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT10CPM12-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT13CPM16	1350	11	9.1	423	72	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT13CPM16-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT20CPM16	2000	6.8	9.5	457	72	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT20CPM16-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT27CPM16	2700	5.5	9.5	430	72	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT27CPM16-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT40CPM16	4000	3.3	12.5	480	92	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT40CPM16-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and 45 Degree Cranck Reaction Arm								
QXXD5PT01KPW16	1,000	15	9	419	72	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXXD5PT01KPW16-K2EU	Kit includes: 1 Torque Multplier, 2 Batteries and Truck Tire Reaction Arm								

Contact certified distributor for models without wireless capacities.
Kits available

Model	Torque Nm	1 min rpm	Weight (kg)	Length (mm)	Side to center distance (mm)	Voltage	Drive	Communication	Display Type
QXX: Angle									
QXX5A45T0180PS12	16-180	110	4.25	264	76.2	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXX5A45T0270PS12	54-270	77	4.25	264	76.2	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXX2A52T0396PS12	79-395	21	3.54	216	76.2	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXX2A52T0594PS12	119-594	14	4.06	216	76.2	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXX5A52T0880PS12	180-880	23	4.60	264	76.2	40V	3/4”	Zigbee + Bluetooth + USB Cable	YES
QXX5A72T1080PS16	216-1,080	19	5.97	264	76.2	40V	1”	Zigbee + Bluetooth + USB Cable	YES
QXX5A72T1620PS16	324-1,620	13	5.97	264	76.2	40V	1”	Zigbee + Bluetooth + USB Cable	YES

Weight and length do not include battery. Battery sold separatly.
Kits not available for angle tools

MOBILE & DESKTOP APP



INSIGHT Connect App

INSIGHT™ CONNECT APP



The INSIGHT™ Connect app will help you stay productive, mobile and in control of your fastening process. It programs any Ingersoll Rand® QX Connect Series™ tool without the need for additional technical training, special software, plant network permissions or a laptop computer. Working from a smartphone or tablet, operators can use the app to quickly program the torque and angle control configurations on these closed-loop, transducerized tools.

Once installed, the INSIGHT™ Connect app can operate offline, so it functions in large facilities or other locations where Internet signal loss may be a problem, reducing downtime and maximizing ease of use. The INSIGHT Connect App is a perfect companion to complement QX Connect Series™ tools*. With Bluetooth capability, the INSIGHT Connect App can communicate wirelessly via Bluetooth with the QX Connect tools.



Download on the App Store

GET IT ON Google Play

You can quickly perform key tasks with your mobile device, including:

SIMPLE

- Common Setting & General Tool Setup
- Multiple Language Support
- Retrieve Cycle Log and Share via Email
- Audit Logs
- Error Codes with Description

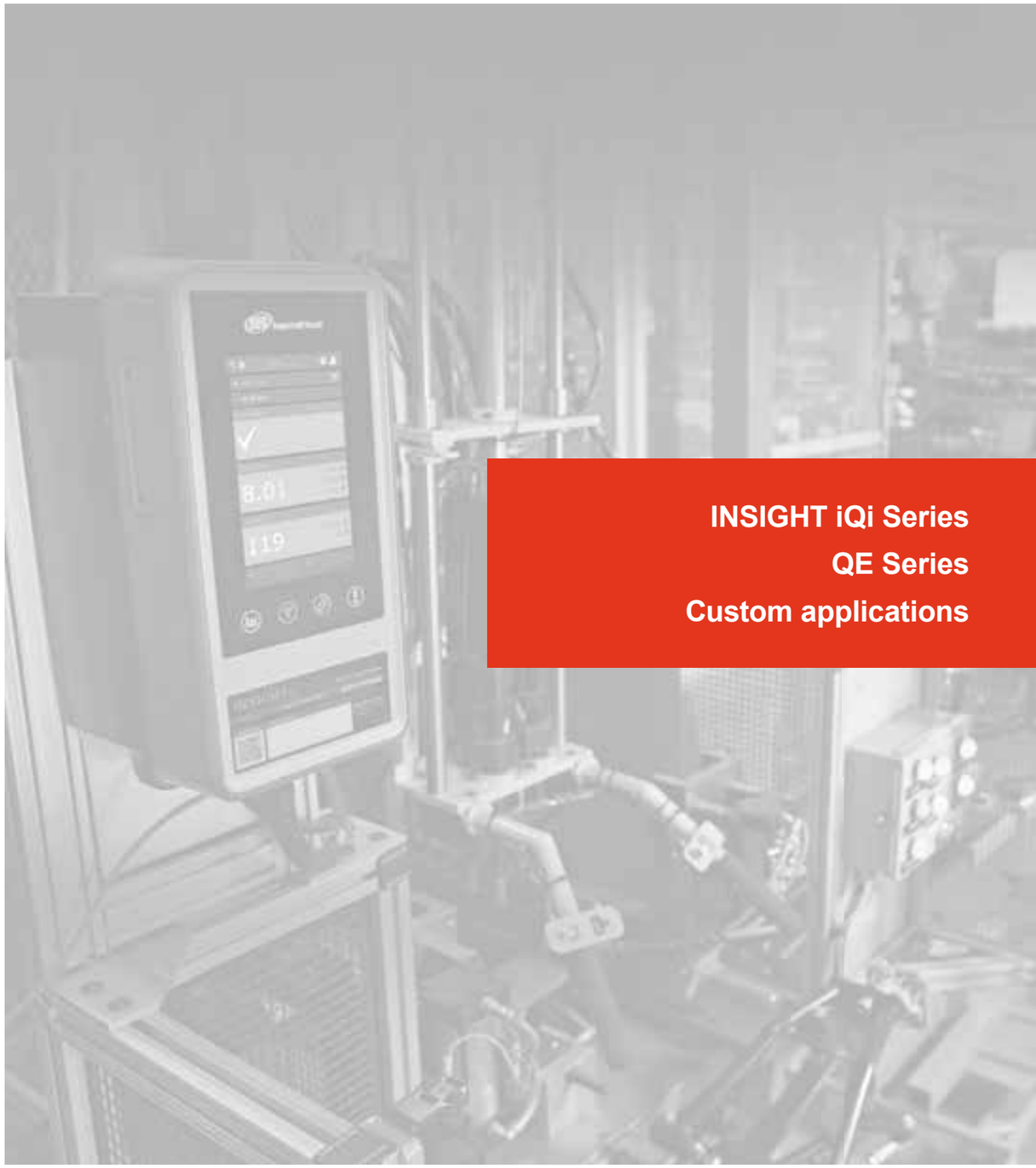
FLEXIBLE

- Program All Standard QX Platform Tool
- Clone- Back Up and Restore
- Save and Load Configurations
- Firmware Update
- Virtual tool programming

CAPABLE

- Program Torque, Angle, Speed
- Multiple PSET Configuration
- Multiple Step Programming
- End of Run (EOR) data on App
- Calibration and Cp/Cpk
- Programming and downloading of data via Bluetooth

DC ELECTRIC CORDED TOOLS



INSIGHT iQi Series
QE Series
Custom applications

EFFICIENCY.
PRODUCTIVITY.
QUALITY.
COST OF OWNERSHIP.

LOW-TORQUE PRECISION ——

IQi Series

—— ELECTRIC SCREWDRIVER



IQi SERIES CURRENT CONTROL

Ingersoll Rand® Current Controlled torque screwdrivers offer a highspeed, cost-effective solution and provide real-time torque feedback, advanced error-proofing and full process traceability – ideal for quality-critical applications where precision and compliance are essential.



Specifications

Activation	Model Number	Torque (Nm)	RPM	Weight (g)	Drive Type	Length (mm)	Side to Center (mm)
Trigger Start	IQI2LC0017TQ4	0.02-0.17	50-1500	310	1/4" QC	216	25.5
	IQI2LC0017TM4	0.02-0.17	50-1500	310	Half Moon	216	25.5
	IQI2LC0050TQ4	0.1-0.5	20-1000	410	1/4" QC	216	25.5
	IQI2LC0100TQ4	0.2-1	20-1000	410	1/4" QC	216	25.5
	IQI2LC0200TQ4	0.4-2	10-900	410	1/4" QC	216	25.5
	IQI2LC0250TQ4	0.5-2.5	20-525	410	1/4" QC	216	25.5
	IQI4LC0500TQ4	2-5	20-900	760	1/4" QC	242	30.5
	IQI4LC1000TQ4	4-10	10-500	760	1/4" QC	242	30.5
	IQI4LC1500TQ4	5-15	10-300	760	1/4" QC	242	30.5
Push To Start / Lever Start	IQI2LC0017PQ4	0.02-0.17	50-1500	340	1/4" QC	242	25.5
	IQI2LC0017PM4	0.02-0.17	50-1500	340	Half Moon	242	25.5
	IQI2LC0050PQ4	0.1-0.5	20-1000	420	1/4" QC	242	25.5
	IQI2LC0100PQ4	0.2-1	20-1000	420	1/4" QC	242	25.5
	IQI2LC0200PQ4	0.4-2	10-900	420	1/4" QC	242	25.5
	IQI2LC0250PQ4	0.5-2.5	20-525	420	1/4" QC	242	25.5
	IQI4LC0500PQ4	2-5	20-900	790	1/4" QC	263	30.5
	IQI4LC1000PQ4	4-10	10-500	790	1/4" QC	263	30.5
	IQI4LC1500PQ4	5-15	10-300	790	1/4" QC	263	30.5

Accessories

Model #	Description
Cable*	
IQI-CABLE-2M	IQi cable 2 meter
IQI-CABLE-5M	IQi cable 5 meter
Controller*	
IQI11-FM	IQi Series controller with fieldbus and MES
*Compatible with all IQi Series Tools	
Power Suppliers	
IQI-PS-1	Tools between 0.02-2,5 Nm
IQI-PS-2	Tools between 0.02-15 Nm

IQi SERIES TRANSDUCERIZED

Ingersoll Rand® Transducerized low-torque screwdrivers deliver ±3.5% accuracy and provide realtime torque feedback, advanced error-proofing and full process traceability – ideal for quality-critical applications where precision and compliance are essential.



Specifications

Activation	Model Number	Torque (Nm)	RPM	Weight (g)	Drive Type	Length (mm)	Side to Center (mm)
Trigger Start	IQI2LT0017TQ4	0.02-0.17	50-1500	460	1/4” QC	243	25.5
	IQI2LT0017TM4	0.02-0.17	50-1500	460	Half Moon	243	25.5
	IQI2LT0050TQ4	0.1-0.5	20-1000	460	1/4” QC	243	25.5
	IQI2LT0100TQ4	0.2-1	20-1000	460	1/4” QC	243	25.5
	IQI2LT0200TQ4	0.4-2	20-800	460	1/4” QC	243	25.5
	IQI2LT0250TQ4	0.5-2.5	20-525	460	1/4” QC	243	25.5
	IQI4LT0500TQ4	2-5	20-900	850	1/4” QC	248	30.5
	IQI4LT1000TQ4	4-10	10-500	850	1/4” QC	248	30.5
	IQI4LT1500TQ4	5-15	10-300	850	1/4” QC	248	30.5
Push To Start / Lever Start	IQI2LT0017PQ4	0.02-0.17	50-1500	490	1/4” QC	269	25.5
	IQI2LT0017PM4	0.02-0.17	50-1500	490	Half Moon	269	25.5
	IQI2LT0050PQ4	0.1-0.5	20-1000	490	1/4” QC	269	25.5
	IQI2LT0100PQ4	0.2-1	20-1000	490	1/4” QC	269	25.5
	IQI2LT0200PQ4	0.4-2	20-800	490	1/4” QC	269	25.5
	IQI2LT0250PQ4	0.5-2.5	20-525	490	1/4” QC	269	25.5
	IQI4LT0500PQ4	2-5	20-900	880	1/4” QC	272	30.5
	IQI4LT1000PQ4	4-10	10-500	880	1/4” QC	272	30.5
	IQI4LT1500PQ4	5-15	10-300	880	1/4” QC	272	30.5

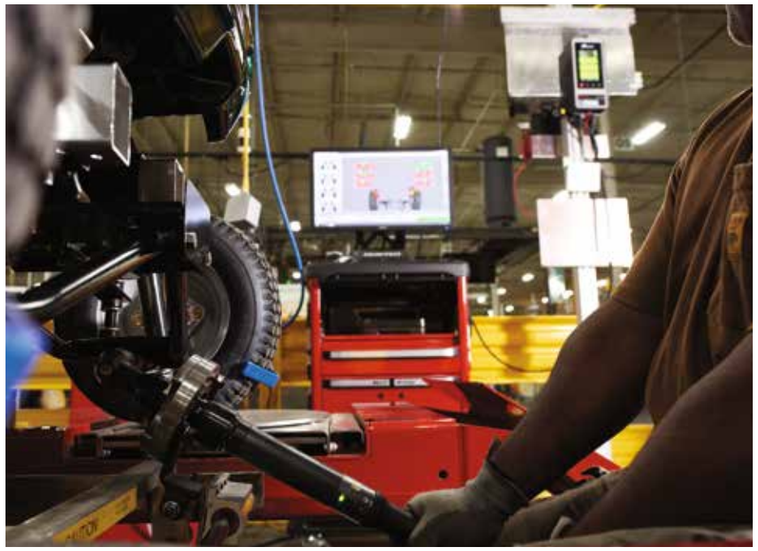
Accessories

Model #	Description
Cable*	
IQI-CABLE-2M	IQi a ble 2 meter
IQI-CABLE-5M	IQi a ble 5 meter
Controller*	
IQI11-FM	IQi Series controller with fieldbus and MES
*Compatible with all IQi Series Tools	
Power Suppliers	
IQI-PS-1	Tools between 0.02-2,5 Nm
IQI-PS-2	Tools between 0.02-15 Nm

QE SERIES

HANDHELD AND FIXTURED TOOLS

The ultimate world-class combination — QE Series tools and INSIGHTqc controllers — team up to make meeting your critical fastening requirements simple. Offering flexibility, these durable, ergonomically designed tools are easy to use — no experience needed.



SIMPLE FLEXIBLE CAPABLE



FEATURES

- Torque range from 0.3 to 400 Nm
- Closed-loop transducerized control delivers excellent capability and traceability
- Compact and lightweight design
- Optional bright LED headlights illuminate work space
- Multicolored light ring and TactAlert, our tactile feedback option, provide clear operator feedback
- Seamlessly runs on any Ingersoll Rand® controller
- ESD-safe and RoHS-compliant options
- High durability cable
- Comfortable, ergonomically contoured grip
- Easy to use push-button reverse and indicator light options
- Highly configurable platform allows users to select their output torque, body style, actuation and spindle type to create the perfect tool for the application

QE SERIES FEATURES







SIMPLE **FLEXIBLE** **CAPABLE**

QM SERIES FIXTURED TOOLS

QM Series tools are the workhorse for your fixtured spindle applications. With four motor size platforms that provide broad torque, speed and size flexibility, Ingersoll Rand® QM spindles are different, by design. They are not only simple to use, but also offers excellent versatility that enables them to deliver the highest levels of performance in the industry. This series of spindles can be used in a wide range of assembly applications and fixture designs, offering ultimate flexibility.

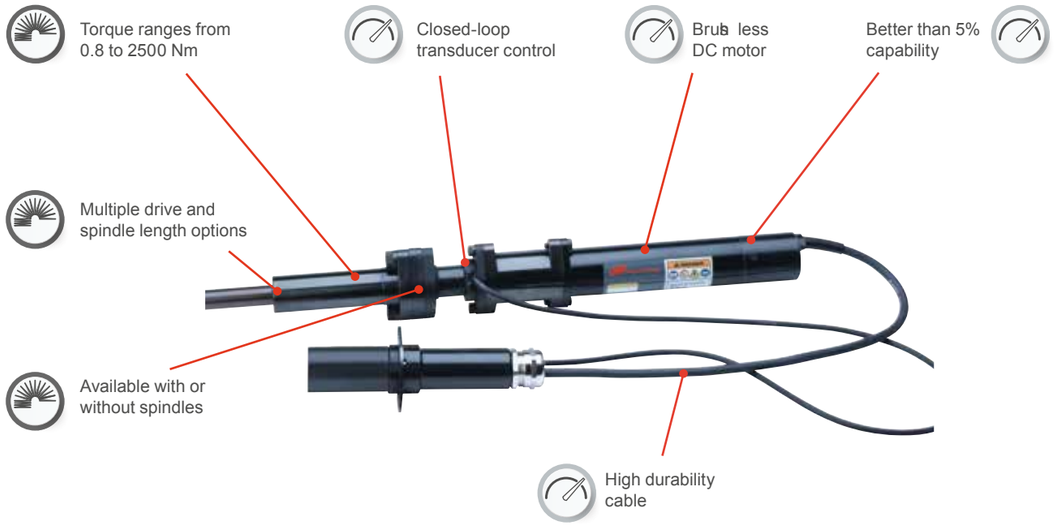


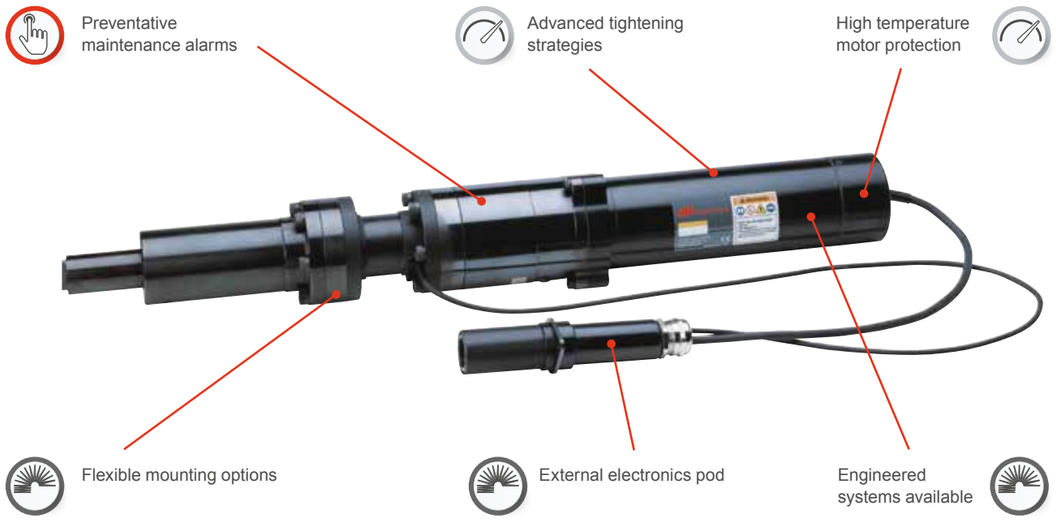
SIMPLE **FLEXIBLE** **CAPABLE**

FEATURES

- Torque coverage from 0.8 to 2500 Nm
- Closed-loop transducerized control delivers better than 5% capability across all four motor platforms
- Highly durable with minimal preventive maintenance required
- Seamlessly runs on any Ingersoll Rand® controller
- Multiple mounting options provide system integration flexibility
- External electronics pod simplifies mounting and connectivity
- Onboard motor temperature sensor protects tool damage due to excessive heat
- Easy to service — no special tools required
- Highly configurable platform allows users to select output torque, body style and spindle type to create the perfect tool for the application

QM SERIES FEATURES





SIMPLE **FLEXIBLE** **CAPABLE**

INSIGHTqc™ CONTROLLER FEATURES



SIMPLE **FLEXIBLE** **CAPABLE**

DC electric corded tools

INSIGHTqc™ CONTROLLER

SOFTWARE

256
JOBS PSETs

31
Steps per PSET

User Logins

Web-Based Programming

NOT Required
- PC Software
- PC License

- Logic rules for JOB sequencing
- Barcode function: USB, Serial, Ethernet
- Manual barcode entry option
- Tubenut controls (configurable modes)
- Quick programming mode
- Advanced programming mode
- Unrestricted programming from controller or remote
- Embedded, context-specific help
- Same hardware for single or multi spindle options
- Multi-language support
- Onboard tool diagnostics
- Trade transfer over open protocol

ONBOARD DATA STORAGE

- Removable SSD card stores ALL settings and data
- Complete controller settings and data recovery through SSD swap
- Tightening curve displayed on Home screen of controller
- Full USB backup and restore function

500k

- Audit Logs
- Event Logs
- System Logs
- Tightening Results
- Tightening Curves

CONNECTIVITY

3
Fieldbus Options

Ethernet IP

7
MES Protocol Options

Open Protocol, Ford Open Protocol, ToolsNet, Toyota PokeYoke, VW XML, IR Ethernet EOR, & Nissan Serial EOR

HARDWARE

60 sec
Boot Time
60 Seconds

8
Tool
Familes

10.9
Volume
10.9 dm^3

4
USB
2.0 Ports

7"
Touch Screen
7 inch Color

2
Ethernet Ports
10/100, 10/100/1K

ONE CONTROLLER
COUNTLESS CAPABILITIES

Ingersoll Rand's INSIGHTqc™ Controller Platform has been enhanced to support both Single-Spindle and Multi-Spindle fastening applications, syncing multiple uses and applications to one single controller platform. Starting with its simplified setup, this upgrade reduces wasted time and allows its users to quickly adapt to changing needs on the spot—all without the burden of managing multiple platforms.

- **Simplicity:** Now offered as a single controller platform for Multi- and Single-Spindle applications, the simplicity of the INSIGHTqc™ Controller Platform cannot be overstated. By using a single controller to navigate multiple needs and functions, this advanced system simplifies setup, streamlines operations and empowers you to complete intricate jobs accurately.

- **Flexibility:** Designed with the ability to quickly adapt to every changing need without the burden of managing multiple platforms, this single controller system features first-rate flexibility and decreased downtime. And, thanks to its flexibility in programming, users can customize and adjust settings based on their specific needs.

- **Productivity:** Backed by a unified controller platform that's easy to use and navigate, the Multi-Spindle fastening application works cohesively with the INSIGHTqc™ controller to keep your efficiency at an all-time high. Users will appreciate its ability to easily modify program parameters to switch between different profiles, making it simple to accommodate variations in fastener types, torque requirements or assembly configurations.

- **Performance:** As a direct result of its ability to apply torque with precision and consistency across all spindles, this newly enhanced system reduces the likelihood of product failures, loose connections or performance issues, resulting in higher product reliability and overall quality.

Our newly enhanced INSIGHTqc™ controller system works seamlessly with our Multi-Spindle Fastening Solutions to save time, effort and space—without sacrificing Ingersoll Rand's trademark toughness and reliability.






CONTROLLER MODELS

The INSIGHTqc™ Controller is 100% compatible with our QE and QM tools. With the INSIGHTqc™ these tools will have 500K tightening records and 500K tightening traces – compared to 10 to 30K in competitor's products – which will let users understand all facets of the tightening process – torque, angle, time and date.

	SYSTEM OPTIONS				FIELDBUS OPTIONS				MES OPTIONS				
Model	Series	Display	Power	Hardware	Ethernet/IP	ProfiNet	ProfBUS	DeviceNET	IR Ethernet EOR	Open Protocol	ToolsNet	VW XML 2.1	Nissan SerialEOR
QCD31	QC	Display	230V AC	Standard					•				
QCD31-F	QC	Display	230V AC	Standard	•	•			•				
QCD31-M	QC	Display	230V AC	Standard					•	•	•	•	•
QCD31-FM	QC	Display	230V AC	Standard	•	•			•	•	•	•	•
QCD32-F	QC	Display	230V AC	Standard + Profi-BUS Card	•	•	•		•				
QCD32-FM	QC	Display	230V AC	Standard + ProfiBUS Card	•	•	•		•	•	•	•	•
QCD33-F	QC	Display	230V AC	Standard + DeviceNet Card	•	•		•	•				
QCD33-FM	QC	Display	230V AC	Standard + DeviceNet Card	•	•		•	•	•	•	•	•

Multi-Spindle Software License

Part Reference	Discription	BOM
MS-SW-OPT-1	Multi Spindle Software Lincense, OPT–1	1. Receptacle, flash drive 2. Adapter, USB to Ethernet 3. Activation Card 4. Information Label 5. Label
MS-SW-OPT-2	Multi Spindle Software Lincense, OPT–2	
MS-SW-OPT-3	Multi Spindle Software Lincense, OPT–3	

License Selector Example

For an 8x Spindle System the following licensing selection can be made:

- OPT 3 X 3 + OPT 1
- OPT 2 X 5

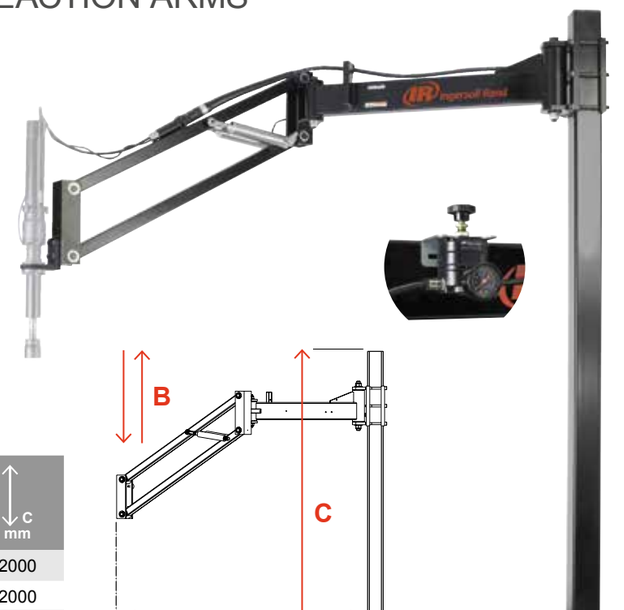
* In this case License Option (OPT) represents number of spindle licenses

SYSTEM ACCESSORIES
TORQUE ARMS & TOOL HOLDERS

FLOOR MOUNTED TORQUE REACTION ARMS

STANDARD EQUIPMENT

- Adjustable arm height at column
- Air cylinders and regulator
- Cable management clips to route air hose or DC tool cable
- Safety stop



Specifications

Ref.	MAX Nm Nm	kg	A mm	B mm	C mm
QTA270	270	10	1524	477	2000
QTA475	475	23	2007	590	2000

QTA270

GENERIC CLAMP STYLE TOOL HOLDERS



Type – Tipo	QTA010	QTA020	QTA040	QTA100
Inline (included with arm)	ITC010-1C	ITC040-1C	ITC040-1C	ITC100-1C
1 Right Angle	ATC010-1C	ATC040-1C	ATC040-1C	ATC100-1C
2 Pistol	PTC010-1C	PTC040-1C	PTC040-1C	—
3 Rotating	RTC010-1C	RTC040-1C	RTC040-1C	—
4 1/4" NPT	NTC010-1T	—	—	—

Generic tool holders are available for arms up to 100 Nm (these arms are delivered with an inline tool holder as standard).

Flange mounting is recommended for inline tools with torque capacity above 40 Nm.

Please note the tool diameter range for generic holders: QTA010: 25 – 40 mm, QTA020/QTA040/QTA100: 28 – 52 mm.

See page 17 for QE series tool holders

SYSTEM ACCESSORIES

The INSIGHTqc™ Controller provides optimal flexibility for the workstation with compatibility to a variety of plug n play ae s ries to mak mize produc iv ty for y ur manufac uring line. A a riety of a bles and ek ens on a bles are a il-able to u s omiz y ur produc ion e tup.

ACCESSORIES FOR ANY APPLICATION

- Socket selector trays
- 8 x 8 24 VDC USB DIO box
- Bit selector trays
- Light towers
- Bar code scanners
- USB to RS-232 serial adapter
- Mounting brackets
- Protective covers
- Reaction bars
- Extended lever kits

Model	Description
QC-SKTR	Sok t Tray, 4 Pos tion
QC-ADPT-1	Serial Interfae Adaptor
QC-DIO-8CH	Digital I/O Box 8 Channel
QC-DIO-366-K	DIO Box Mounting Brak t Kit
IC-BIT-8	Bit Tray
IC-19PIN-5M	Bit Selec or Tray Cables
IC-19PIN-10M	Bit Selec or Tray Cables



DIO Box
QC-DIO-8CH
USB a ble inc uded



Socket Tray
QC-SKTR
USB a ble inc uded



Bit Tray
IC-BIT-8
Cable s ould be ordered e parately s own below in bit tray a bles



USB to Serial Adapter
QC-ADPT-1



Selector Tray Cables
IC-10PIN-6M for IC-Socket-4
IC-19PIN-5M for IC-Bit-8
This is required

CUSTOM SOLUTIONS

Engineered to Your Unique Specifications

Custom engineered assembly solutions are available for more complex applications with requirements such as adjustable bolt centers, multiple spindles, specialized clamping, indexing, custom fixture design and automation.

Ingersoll Rand's worldwide network of solution centers can serve your 'rail-to-floor' project requirements from start to finish. Our full-range offering starts with joint analysis and process audits, then spans to system design, project management, installation and after-sales support.



TOOL CABLES

	(3m)	(6m)	(10m)
DC Tool Cables			
Tool Cable (QE2)	CPS2-CORD-3M	CPS2-CORD-6M	CPS2-CORD-10M
90 tool cable (qe2)	-	CPS2-CORD-6M-90	
Tool cable (qm, qe4/6/8)	GEA40-CORD-3M	GEA40-CORD-6M	GEA40-CORD-10M
90 cool cable (qm,qe4/6/8)	GEA40-CORD-3M-90	GEA50-CORD-6M-90	GEA40-CORDX-10-90
	(10m)	**(20m)**	**(40m)**
DC Tool Extenson Cables			
Extension cable	GEA40-EXT-10M	GEA40-EXT-20M	GEA40-EXT-40M
	(50")	936	
90 extension cable***	GEA40-INT-01		

*** *90 degree extension cable requires a tool cable. Other lengths available.*

SIMPLE **FLEXIBLE** **CAPABLE**

DC electric corded tools

SYSTEM ACCESSORIES
QE SERIES TOOLS

GENERAL ACCESSORIES

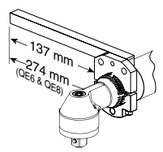


GEM120-K48

Flanged mounting plate[1]			
LEVER START	RANGE	PART NAME	CCN
QE4 – inline	< 27 Nm	15E4-K48	
QE4 – angle	115/150 Nm		
QE6/QE8 – inline	70/90 Nm	GEM120-K48	80112790
QE6/QE8 – angle	115/150 Nm		



GEA15-K48



Reaction bar kit			
LEVER START	RANGE	PART NAME	CCN
QE2		CPS2-K48	
QE4 – inline	< 27 Nm	GEA15-K48	80132509
QE4TS	70/90 Nm	GEPTS15-K48	16046021
QE6/QE8 – inline	46 Nm	DEA120-K48[2]	4642369



GEA40-K364

Swivel Hanger Kit			
LEVER START	RANGE	PART NAME	CCN
QE2		CPS2-A365	45592979
QE4		GEA15-K364	45484722
QE6/QE8		GEA40-K364	4695565



GEA40-478

Maintenance and repair tool			
LEVER START	RANGE	PART NAME	CCN
All QE Series		GEA40-478	



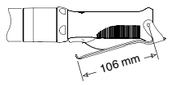
GEA4-K48

Square mounting plate[1]			
LEVER START	RANGE	PART NAME	CCN
QE4 – inline	< 56 Nm	GEA4-K48	4696456
QE4 – angle	< 90 Nm		
QE6/QE8 – inline	70/90 Nm	DAM120-K48	4340535
QE6/QE8 – angle	115/150 Nm		

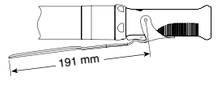


GEA40-K98EL

Lever Kit		
FOR QE4, QE6 & QE8 RANGE	PART NAME	CCN
Short Lever Kit	GEA40-K98SL	80096985
Extended Lever Kit	GEA40-K98EL	80146541



Short Lever Kit



Extended Lever Kit



7L-365

Suspension bail – All QE Series			
LEVER START	RANGE	PART NAME	CCN
All QE Series		7L-365	3732922

(1) Requires short coupling nut, ref. DAA4-27
(2) With a maximum torque of 150 Nm and for non-flanged models only

SYSTEM ACCESSORIES
QE SERIES TOOLS

TOOL HOLDERS





Ingersoll Rand Tools	QTA010	QTA020	QTA040	QTA100	QTA150	QTA270	QTA475
LEVER TO START							
QE4	—	CTC040-K1B	CTC040-K1B	—	—	—	—
QE6	—	CTC040-K2B	CTC040-K2B	—	—	—	—
QE8 with (GEM120-K48)	—	—	—	—	CTC150-K2B	—	—
QE8 with (integrated flange)	—	—	—	—	CTC150-K3B	CTC270-K3B	—
QE8 230 Nm	—	—	—	—	—	CTC270-K4B	—
QE8 400 Nm	—	—	—	—	—	—	CTC475-K5B
PUSH TO START							
QE4	CTC040-K1P	CTC040-K1P	CTC040-K1P	—	—	—	—

Note: Every Ingersoll Rand QE- or QA-specific tool holder listed in the table above accepts both angle and inline tools but requires an integrated flanged gear case or bolt-on mounting flange to attach the tool holder to the tool.
If your tool came with mounting style P (with letter „P“ in the model number) order Part No. 15E4-K48 for any Ingersoll Rand-specific tool holder that ends with „1B“ — Order Part No. GEM120-K48 for any Ingersoll Rand-specific tool holder that ends with „2B“ — Order Part No. QA4-K48 for any Ingersoll Randspecific tool holder that ends with „6B“.

PROTECTIVE ANGLE HEAD BOOTS



Angle Head Boots

TOOL ANGLE HEAD DIAMETER	DESCRIPTION	PART NAME	CCN
25 mm		131996	
28 mm	{QE2a. ll models} {QE40. 13/ 0. 20}	131995	53454708
35 mm	{QE40. 27/ 0. 34} {QE60. 30/ 0. 40}	131997	53454724
43 mm	{QE60. 55/ 0. 80} {QE80. 65/ 0. 70/ 0. 90}	GEA40-172	80095409
48 mm	{QE81. 15/ 1. 50}	GEA40-173	80095789
56 mm	{QE82. 25}	GEA240-173	45533766

SYSTEM ACCESSORIES
TORQUE ARMS & TOOL HOLDERS

BENCH MOUNTED TORQUE REACTION ARMS

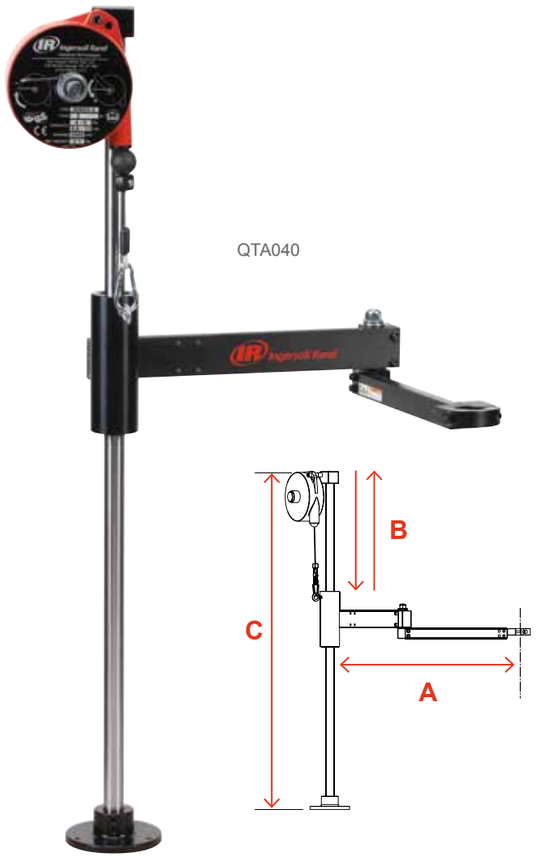


STANDARD EQUIPMENT

- Anodized aluminum body on bearing and chrome-plated pole
- Die-cast aluminum spring balancer
- Standard inline tool holder up to 100 Nm(1)
- Cable management clips to route air hose or DC tool cable

Specifications

Ref.	MAX Nm Nm	kg	A mm	B mm	C mm
QTA010	10	1.2	380	330	706
QTA020	20	2.3	508	368	808
QTA040	40	3.0	635	445	1008
QTA100	100	3.6	762	445	1008
QTA150(2)	150	4.5	1321	559	2000





QTA150, position 1

QTA150, position 2

(1) See following page for other tool holders
(2) The QTA150 can be easily configured as either a bench-mounted or floor-mounted torque arm and reconfigured as the job demands.

QE SERIES TOOLS SPECIFICATIONS



QE2PT003P10Q04



QE4PT015P10S 4

QE SERIES HANDHELD TOOLS
PISTOL

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	in	V
TRIGGER CONTROL										
QE2PT002P10Q04	46774634	0.3 – 1.2	1.5	M2	3000	0.66	250	19	1/4"	QCD Controllers
QE2PT002P10S04	46774642	0.3 – 1.2	1.5	M2	3000	0.66	242	19	1/4"	QCD Controllers
QE2PT003P10Q04	46774667	0.6 – 2.4	3	M2	2450	0.66	250	19	1/4"	QCD Controllers
QE2PT003P10S04	46774675	0.6 – 2.4	3	M2	2450	0.66	242	19	1/4"	QCD Controllers
QE2PT005P10Q04	46774691	1.0 – 4.0	5	M2	1700	0.66	250	19	1/4"	QCD Controllers
QE2PT005P10S04	46774709	1.0 – 4.0	5	M2	1700	0.66	242	19	1/4"	QCD Controllers
QE2PT007P10Q04	46774725	1.3 – 5.6	7	M2	1250	0.66	250	19	1/4"	QCD Controllers
QE2PT007P10S04	46774733	1.3 – 5.6	7	M2	1250	0.66	242	19	1/4"	QCD Controllers
QE2PT010P10Q04	46774758	2.0 – 8.0	10	M4	850	0.66	250	19	1/4"	QCD Controllers
QE2PT010P10S04	46774766	2.0 – 8.0	10	M4	850	0.66	242	19	1/4"	QCD Controllers
QE4PT010P10Q04	80175607	2.0 – 8.0	10	M4	1820	1.20	243		1/4"	QCD Controllers
QE4PT010P10S04	80175615IRI	2.0 – 8.0	10	M4	1820	1.20	230		1/4"	QCD Controllers
QE4PT015P10Q04	80175706IRI	3.0 – 12.0	15	M5	1220	1.20	243		1/4"	QCD Controllers
QE4PT015P10S04	80175714IRI	3.0 – 12.0	15	M5	1220	1.20	230		1/4"	QCD Controllers
QE4PT020P10S06	80175805IRI	4.0 – 16.0	20	M6	900	1.20	234		1/4"	QCD Controllers
QE4PT025P10S06	80175888IRI	5.0 – 20.0	25	M6	710	1.20	234		1/4"	QCD Controllers
TRIGGER + PUSH START										
QE2PP002P11Q04	46774337	0.3 – 1.2	1.5	M2	3000	0.66	250	19	1/4"	QCD Controllers
QE2PP002P11S04	46774345	0.3 – 1.2	1.5	M2	3000	0.66	242	19	1/4"	QCD Controllers
QE2PP003P11Q04	46774360	0.6 – 2.4	3	M2	2450	0.66	250	19	1/4"	QCD Controllers
QE2PP003P11S04	46774378	0.6 – 2.4	3	M2	2450	0.66	242	19	1/4"	QCD Controllers
QE2PP005P11Q04	46774394	1.0 – 4.0	5	M2	1700	0.66	250	19	1/4"	QCD Controllers
QE2PP005P11S04	46774402	1.0 – 4.0	5	M2	1700	0.66	242	19	1/4"	QCD Controllers
QE2PP007P11Q04	46774428	1.3 – 5.6	7	M2	1250	0.66	250	19	1/4"	QCD Controllers
QE2PP007P11S04	46774436	1.3 – 5.6	7	M2	1250	0.66	242	19	1/4"	QCD Controllers
QE2PP010P11Q04	46774451	2.0 – 8.0	10	M4	850	0.66	250	19	1/4"	QCD Controllers
QE2PP010P11S04	46774469	2.0 – 8.0	10	M4	850	0.66	242	19	1/4"	QCD Controllers
PUSH START										
QE2PS002P11Q04	46774485	0.3 – 1.2	1.5	M2	3000	0.66	250	19	1/4"	QCD Controllers
QE2PS002P11S04	46774493	0.3 – 1.2	1.5	M2	3000	0.66	242	19	1/4"	QCD Controllers
QE2PS003P11Q04	46774519	0.6 – 2.4	3	M2	2450	0.66	250	19	1/4"	QCD Controllers
QE2PS003P11S04	46774527	0.6 – 2.4	3	M2	2450	0.66	242	19	1/4"	QCD Controllers
QE2PS005P11Q04	46774543	1.0 – 4.0	5	M2	1700	0.66	250	19	1/4"	QCD Controllers
QE2PS005P11S04	46774550	1.0 – 4.0	5	M2	1700	0.66	242	19	1/4"	QCD Controllers
QE2PS007P11Q04	46774576	1.3 – 5.6	7	M2	1250	0.66	250	19	1/4"	QCD Controllers
QE2PS007P11S04	46774584	1.3 – 5.6	7	M2	1250	0.66	242	19	1/4"	QCD Controllers
QE2PS010P11Q04	46774600	2.0 – 8.0	10	M4	850	0.66	250	19	1/4"	QCD Controllers
QE2PS010P11S04	46774618	2.0 – 8.0	10	M4	850	0.66	242	19	1/4"	QCD Controllers

QE SERIES HANDHELD TOOLS
ANGLE



QE2AL003PA1S04

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
LEVER CONTROL											
QE2AL003PA1S04	46774006	0.8 – 3.2	4	M2	1750	0.83	312	27	9	1/4"	QCD Controllers
QE2AL005PA3H04	46774196	1.0 – 4.0	5	M2	1590	0.95	318	34	13	1/4"	QCD Controllers
QE2AL005PA3Q04	46774204	1.0 – 4.0	5	M2	1590	0.95	318	34	13	1/4"	QCD Controllers
QE2AL005PA3S04	46774170	1.0 – 4.0	5	M2	1590	0.95	318	34	13	1/4"	QCD Controllers
QE2AL005PA3S06	46774188	1.0 – 4.0	5	M2	1590	0.95	318	34	13	3/8"	QCD Controllers
QE2AL007PA3H04	46774238	1.4 – 5.6	7	M2	1100	0.95	318	34	13	1/4"	QCD Controllers
QE2AL007PA3Q04	46774246	1.4 – 5.6	7	M2	1100	0.95	318	34	13	1/4"	QCD Controllers
QE2AL007PA3S06	46774220	1.4 – 5.6	7	M2	1100	0.95	318	34	13	3/8"	QCD Controllers
QE2AL010PA3H04	46774279	2.0 – 8.0	10	M4	730	0.95	318	34	13	1/4"	QCD Controllers
QE2AL010PA3Q04	46774287	2.0 – 8.0	10	M4	730	0.95	318	34	13	1/4"	QCD Controllers
QE2AL010PA3S04	46774253	2.0 – 8.0	10	M4	730	0.95	318	34	13	1/4"	QCD Controllers
QE2AL010PA3S06	46774261	2.0 – 8.0	10	M4	730	0.95	318	34	13	3/8"	QCD Controllers
QE2AL015PA3H04	46774311	3.0 – 12.0	15	M4	560	0.95	318	34	13	1/4"	QCD Controllers
QE2AL015PA3Q04	46774329	3.0 – 12.0	15	M4	560	0.95	318	34	13	1/4"	QCD Controllers
QE2AL015PA3S04	46774295	3.0 – 12.0	15	M4	560	0.95	318	34	13	1/4"	QCD Controllers
QE2AL015PA3S06	46774303	3.0 – 12.0	15	M4	560	0.95	318	34	13	3/8"	QCD Controllers
QE4AT013PA2H04	16676876	3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AT013PA2Q04	16676884	3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AT013PA2S04	18427146	3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AT013PA2S06	18427153	3.0 – 10.0	13	M5	1200	1.30	383	32	13	3/8"	QCD Controllers
QE4AT020PA2H04	16676918	4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AT020PA2Q04	16676926	4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AT020PA2S04	18427179	4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AT020PA2S06	16675464IRI	4.0 – 16.0	20	M6	820	1.30	383	32	13	3/8"	QCD Controllers
QE4AT027PA4S06	18427187	5.0 – 22.0	27	M8	600	1.30	387	42	17	3/8"	QCD Controllers
QE4AT027PA4S08	18427195	5.0 – 22.0	27	M8	600	1.30	387	42	17	1/2"	QCD Controllers
QE4AT034PA4S06	16675167	7.0 – 27.0	34	M8	470	1.30	387	42	17	3/8"	QCD Controllers
QE4AT034PA4S08	16676967	7.0 – 27.0	34	M8	470	1.30	387	42	17	1/2"	QCD Controllers
QE6AT030PA2S06	16674749	6.0 – 24.0	30	M8	1230	1.90	442	32	13	3/8"	QCD Controllers
QE6AT030PA4S08	18427351	6.0 – 24.0	30	M8	1230	1.90	447	42	17	1/2"	QCD Conttrollers
QE6AT040PA4S06	16675472	8.0 – 32.0	40	M8	910	1.90	447	42	17	3/8"	QCD Controllers
QE6AT040PA4S08	16675480	8.0 – 32.0	40	M8	910	1.90	447	42	17	1/2"	QCD Controllers
QE6AT055PA5S08	47130174	11.0 – 44.0	55	M10	650	1.90	453	45	22	1/2"	QCD Controllers
QE6AT080PA5S08	16674947	16.0 – 64.0	80	M10	440	1.90	453	45	22	1/2"	QCD Controllers
QE8AT065PA5S08	18427526	13.0 – 52.0	65	M10	1200	2.90	516	45	22	1/2"	QCD Controllers
QE8AT070PA5S08	18427534	14.0 – 56.0	70	M10	1100	2.90	516	45	22	1/2"	QCD Controllers
QE8AT090PA5S08	16675662	17.0 – 72.0	90	M10	850	2.90	516	45	22	1/2"	QCD Controllers
QE8AT115PA6S08	15969975	23.0 – 92.0	115	M12	660	2.90	520	50	24	1/2"	QCD Controllers
QE8AT150PA6S08	16675779	30.0 – 120.0	150	M12	510	2.90	520	50	24	1/2"	QCD Controllers
QE8AT225PA7S12	16679086	45.0 – 180.0	225	M16	310	4.10	575	55	28	3/4"	QCD Controllers
QE8AT400FA8S12	16679094	80.0 – 320.0	400	M18	170	6.00	635	69	33	3/4"	QCD Controllers

QE SERIES HANDHELD TOOLS
INLINE



QE2SL005P10Q04



QE4ST010B21Q04

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	mm	in	V
LEVER CONTROL												
QE2SL002F32S06	46774832	0.3 – 1.2	1.5	M2	3000	0.91	342	19	32	19	3/8"	QCD Controllers
QE2SL002P10Q04	46774881	0.3 – 1.2	1.5	M2	3000	0.60	250			22	1/4"	QCD Controllers
QE2SL002P10S04	46774899	0.3 – 1.2	1.5	M2	3000	0.60	242			22	1/4"	QCD Controllers
QE2SL003F32S06	46774840	0.6 – 2.4	3	M2	2450	0.91	342	19	32	19	3/8"	QCD Controllers
QE2SL003P10Q04	46774915	0.6 – 2.4	3	M2	2450	0.60	250			22	1/4"	QCD Controllers
QE2SL003P10S04	46774923	0.6 – 2.4	3	M2	2450	0.60	242			22	1/4"	QCD Controllers
QE2SL005F32S06	46774857	1.0 – 4.0	5	M2	1700	0.91	342	19	32	19	3/8"	QCD Controllers
QE2SL005P10Q04	46774949	1.0 – 4.0	5	M2	1700	0.60	250			22	1/4"	QCD Controllers
QE2SL005P10S04	46774956	1.0 – 4.0	5	M2	1700	0.60	242			22	1/4"	QCD Controllers
QE2SL007F32S06	46774865	1.3 – 5.6	7	M2	1250	0.91	342	19	32	19	3/8"	QCD Controllers
QE2SL007P10Q04	46774972	1.3 – 5.6	7	M2	1250	0.60	250			22	1/4"	QCD Controllers
QE2SL007P10S04	46774980	1.3 – 5.6	7	M2	1250	0.60	242			22	1/4"	QCD Controllers
QE2SL010F32S06	46774873	2.0 – 8.0	10	M4	850	0.91	342	19	32	19	3/8"	QCD Controllers
QE2SL010P10Q04	46775003	2.0 – 8.0	10	M4	850	0.60	250			22	1/4"	QCD Controllers
QE2SL010P10S04	46775011	2.0 – 8.0	10	M4	850	0.60	242			22	1/4"	QCD Controllers
QE4ST010B20S06		2.0 – 8.0	10	M4	1820	1.20	386		40	25	3/8"	QCD Controllers
QE4ST010B21S06	16985327	2.0 – 8.0	10	M4	1820	1.20	386	19	40	25	3/8"	QCD Controllers
QE4ST015B20S06	48389555	3.0 – 11.0	15	M5	1220	1.20	386		40	25	3/8"	QCD Controllers
QE4ST015B21S06	16985350	3.0 – 11.0	15	M5	1220	1.20	386	19	40	25	3/8"	QCD Controllers
QE4ST020B20S06	45501988	4.0 – 16.0	20	M6	900	1.20	386		40	25	3/8"	QCD Controllers
QE4ST020B21S06	16985384	4.0 – 16.0	20	M6	900	1.20	386	19	40	25	3/8"	QCD Controllers
QE4ST025B20S06	48394746	5.0 – 20.0	25	M6	710	1.20	386		40	25	3/8"	QCD Controllers
QE4ST025B21S06	16985418	5.0 – 20.0	25	M6	710	1.20	386	19	40	25	3/8"	QCD Controllers
QE6ST020F41S06	10564946IRI	4.0 – 16.0	20	M6	1840	2.10	501	19	113	27	3/8"	QCD Controllers
QE6ST020F61S06	10565638	4.0 – 16.0	20	M6	1840	2.10	544	38	144	27	3/8"	QCD Controllers
QE6ST028F41S06	16985434	6.0 – 22.0	28	M8	1360	2.10	501	19	113	27	3/8"	QCD Controllers
QE6ST028F61S06	10565786	6.0 – 22.0	28	M8	1360	2.10	544	38	144	27	3/8"	QCD Controllers
QE6ST033F41S06	16985442	7.0 – 26.0	33	M8	1130	2.10	501	19	113	27	3/8"	QCD Controllers
QE6ST033F61S06	10566321IRI	7.0 – 26.0	33	M8	1130	2.10	544	38	144	27	3/8"	QCD Controllers
QE6ST050F41S08	16985459	10.0 – 40.0	50	M10	760	2.10	501	19	113	27	1/2"	QCD Controllers
QE6ST050F61S08	10566826IRI	10.0 – 40.0	50	M10	760	2.10	544	38	144	27	1/2"	QCD Controllers
QE8ST055F41S08	10567956IRI	11.0 – 44.0	55	M10	1470	3.00	557	19	109	30	1/2"	QCD Controllers
QE8ST055F61S08	10568004IRI	11.0 – 44.0	55	M10	1470	3.00	608	38	141	30	1/2"	QCD Controllers
QE8ST070F41S08	16985475	14.0 – 56.0	70	M10	1160	3.00	557	19	109	30	1/2"	QCD Controllers
QE8ST070F61S08	10568178IRI	14.0 – 56.0	70	M10	1160	3.00	608	38	141	30	1/2"	QCD Controllers
QE8ST090F41S08	16675753	18.0 – 72.0	90	M10	900	3.00	557	19	109	30	1/2"	QCD Controllers
QE8ST090F61S08	10568277IRI	18.0 – 72.0	90	M10	900	3.00	608	38	141	30	1/2"	QCD Controllers
QE8ST150F41S08	16985483	30.0 – 120.0	150	M12	500	3.40	572	19	109	31	1/2"	QCD Controllers
QE8ST150F61S08	10568327IRI	30.0 – 120.0	150	M12	500	3.40	623	38	150	31	1/2"	QCD Controllers
QE8ST230F61S08	45497187	46.0 – 184.0	230	M18	340	5.50	710	38	150	36	1/2"	QCD Controllers
QE8ST230F62S12	18427674	46.0 – 184.0	230	M18	340	5.50	717	38	155	36	3/4"	QCD Controllers
QE8ST230F82S12	45601366	46.0 – 184.0	230	M18	340	5.50	768	38	155	36	3/4"	QCD Controllers

QE SERIES HANDHELD TOOLS
INLINE


QE2TS002P10Q04


QE4TS015R11Q04

Ref.	CCN	Nm	Nm MAX		rpm 1 min	kg	mm	mm	mm	mm	in	V
LEVER + PUSH START												
QE2SP002P11Q04	46775037	0.3 – 1.2	1.5	M2	3000	0.60	250			22	1/4"	QCD Controllers
QE2SP002P11S04	46775045	0.3 – 1.2	1.5	M2	3000	0.60	242			22	1/4"	QCD Controllers
QE2SP003P11Q04	46775060	0.6 – 2.4	3	M2	2450	0.60	250			22	1/4"	QCD Controllers
QE2SP003P11S04	46775078	0.6 – 2.4	3	M2	2450	0.60	242			22	1/4"	QCD Controllers
QE2SP005P11Q04	46775094	1.0 – 4.0	5	M2	1700	0.60	250			22	1/4"	QCD Controllers
QE2SP005P11S04	46775102	1.0 – 4.0	5	M2	1700	0.60	242			22	1/4"	QCD Controllers
QE2SP007P11Q04	46775128	1.3 – 5.6	7	M2	1250	0.60	250			22	1/4"	QCD Controllers
QE2SP007P11S04	46775136	1.3 – 5.6	7	M2	1250	0.60	242			22	1/4"	QCD Controllers
QE2SP010P11Q04	46775151	2.0 – 8.0	10	M4	850	0.60	250			22	1/4"	QCD Controllers
QE2SP010P11S04	46775169	2.0 – 8.0	10	M4	850	0.60	242			22	1/4"	QCD Controllers
PUSH START												
QE2TS002P11Q04	46775185	0.3 – 1.2	1.5	M2	3000	0.57	250			22	1/4"	QCD Controllers
QE2TS002P11S04	46775193	0.3 – 1.2	1.5	M2	3000	0.57	242			22	1/4"	QCD Controllers
QE2TS003P11Q04	46775219	0.6 – 2.4	3	M2	2450	0.57	250			22	1/4"	QCD Controllers
QE2TS003P11S04	46775227	0.6 – 2.4	3	M2	2450	0.57	242			22	1/4"	QCD Controllers
QE2TS003P11Q04	46775219	0.6 – 2.4	3	M2	2450	0.57	250			22	1/4"	QCD Controllers
QE2TS003P11S04	46775227	0.6 – 2.4	3	M2	2450	0.57	242			22	1/4"	QCD Controllers
QE2TS005P11Q04	46775243	1.0 – 4.0	5	M2	1700	0.57	250			22	1/4"	QCD Controllers
QE2TS005P11S04	46775250	1.0 – 4.0	5	M2	1700	0.57	242			22	1/4"	QCD Controllers
QE2TS007P11Q04	46775276	1.3 – 5.6	7	M2	1250	0.57	250			22	1/4"	QCD Controllers
QE2TS007P11S04	46775284	1.3 – 5.6	7	M2	1250	0.57	242			22	1/4"	QCD Controllers
QE2TS010P11Q04	46775300	2.0 – 8.0	10	M4	850	0.57	250			22	1/4"	QCD Controllers
QE2TS010P11S04	46775318	2.0 – 8.0	10	M4	850	0.57	242			22	1/4"	QCD Controllers
QE4TS010R11Q04	16678955	2.0 – 8.0	10	M4	1820	1.20	363			25	1/4"	QCD Controllers
QE4TS010R11S04	16678963	2.0 – 8.0	10	M4	1820	1.20	343			25	1/4"	QCD Controllers
QE4TS010R11S06	16678971	2.0 – 8.0	10	M4	1820	1.20	343			25	3/8"	QCD Controllers
QE4TS015R11Q04	18427278	3.0 – 12.0	15	M5	1220	1.20	363			25	1/4"	QCD Controllers
QE4TS015R11S04	16678989	3.0 – 12.0	15	M5	1220	1.20	343			25	1/4"	QCD Controllers
QE4TS015R11S06	16678997	3.0 – 12.0	15	M5	1220	1.20	343			25	3/8"	QCD Controllers
QE4TS020R11S06	16679003	4.0 – 16.0	20	M6	900	1.20	343			25	3/8"	QCD Controllers
QE4TS025R11S06	16679011	5.0 – 20.0	25	M6	710	1.20	343			25	3/8"	QCD Controllers

QE SERIES FIXTURED TOOLS
ANGLE


QE6AC040FA4S06

Ref.	CCN	Nm	Nm MAX		rpm 1 min	kg	mm	mm	mm	in	V
REMOTE START											
QE4AC013BA2H04		3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AC013BA2Q04		3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AC013BA2S04	47125729	3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4"	QCD Controllers
QE4AC013BA2S06		3.0 – 10.0	13	M5	1200	1.30	383	32	13	3/8"	QCD Controllers
QE4AC020BA2H04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AC020BA2Q04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AC020BA2S04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4"	QCD Controllers
QE4AC020BA2S06	45669959	4.0 – 16.0	20	M6	820	1.30	383	32	13	3/8"	QCD Controllers
QE4AC027BA4S06	80235666	5.0 – 22.0	27	M8	600	1.30	387	42	17	3/8"	QCD Controllers
QE4AC027BA4S08		5.0 – 22.0	27	M8	600	1.30	387	42	17	1/2"	QCD Controllers
QE6AC030FA2S06		6.0 – 24.0	30	M8	1230	1.90	442	32	13	3/8"	QCD Controllers
QE6AC030FA4S08	47526343001	6.0 – 24.0	30	M8	1230	1.90	447	42	17	1/2"	QCD Controllers
QE4AC034BA4S06	45645041	7.0 – 27.0	34	M8	470	1.30	387	42	17	3/8"	QCD Controllers
QE4AC034BA4S08		7.0 – 27.0	34	M8	470	1.30	387	42	17	1/2"	QCD Controllers
QE6AC040FA4S06		8.0 – 32.0	40	M8	910	1.90	447	42	17	3/8"	QCD Controllers
QE6AC040FA4S08	47082037	8.0 – 32.0	40	M8	910	1.90	447	42	17	1/2"	QCD Controllers
QE6AC055FA5S08	47096227	11.0 – 44.0	55	M10	650	1.90	453	45	22	1/2"	QCD Controllers
QE8AC065FA5S08		13.0 – 52.0	65	M10	1200	2.90	516	45	22	1/2"	QCD Controllers
QE8AC070FA5S08	18427450	14.0 – 56.0	70	M10	1100	2.90	516	45	22	1/2"	QCD Controllers
QE6AC080FA5S08		16.0 – 64.0	80	M10	440	1.90	453	45	22	1/2"	QCD Controllers
QE8AC090FA5S08	47096656	18.0 – 72.0	90	M10	850	2.90	516	45	22	1/2"	QCD Controllers
QE8AC115FA6S08	80217300	23.0 – 92.0	115	M12	660	2.90	520	50	24	1/2"	QCD Controllers
QE8AC150FA6S08	45634664	30.0 – 120.0	150	M12	510	2.90	520	50	24	1/2"	QCD Controllers
QE8AC225FA7S12	80217292	45.0 – 180.0	225	M16	310	4.10	575	55	28	3/4"	QCD Controllers
QE8AC400FA8S12	18427468	80.0 – 320.0	400	M18	170	6.00	635	69	33	3/4"	QCD Controllers

QE SERIES FIXTURED TOOLS
INLINE


QE4SC010B20S06


QE8SC150F61S08

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
REMOTE START											
QE2SC002F32S06	46774782	0.3 – 1.2	1.5	M2	3000	0.91	342	19	32	3/8"□	QCD Controllers
QE2SC003F32S06	46774790	0.6 – 2.4	3	M2	2450	0.91	342	19	32	3/8"□	QCD Controllers
QE2SC005F32S06	46774808IRI	1.0 – 4.0	5	M2	1700	0.91	342	19	32	3/8"□	QCD Controllers
QE2SC007F32S06	46774816	1.3 – 5.6	7	M2	1250	0.91	342	19	32	3/8"□	QCD Controllers
QE2SC010F32S06	46774824	2.0 – 8.0	10	M4	850	0.91	342	19	32	3/8"□	QCD Controllers
QE4SC010B20S06		2.0 – 8.0	10	M4	1820	1.20	386		40	3/8"□	QCD Controllers
QE4SC010B21S06	80239049	2.0 – 8.0	10	M4	1820	1.20	386	19	40	3/8"□	QCD Controllers
QE4SC010B41S06	16986721	2.0 – 8.0	10	M4	1820	1.20	437	19	74	3/8"□	QCD Controllers
QE4SC015B20S06		3.0 – 11.0	15	M5	1220	1.20	386		40	3/8"□	QCD Controllers
QE4SC015B21S06	45506961	3.0 – 11.0	15	M5	1220	1.20	386	19	40	3/8"□	QCD Controllers
QE4SC015B41S06	16986739	3.0 – 11.0	15	M5	1220	1.20	437	19	74	3/8"□	QCD Controllers
QE4SC020B20S06		4.0 – 16.0	20	M6	900	1.20	386		40	3/8"□	QCD Controllers
QE4SC020B21S06	45659398	4.0 – 16.0	20	M6	900	1.20	386	19	40	3/8"□	QCD Controllers
QE4SC020B41S06	16986747	4.0 – 16.0	20	M6	900	1.20	437	19	74	3/8"□	QCD Controllers
QE4SC025B20S06		5.0 – 20.0	25	M6	710	1.20	386		40	3/8"□	QCD Controllers
QE4SC025B21S06	47100953	5.0 – 20.0	25	M6	710	1.20	386	19	40	3/8"□	QCD Controllers
QE4SC025B41S06	16986754	5.0 – 20.0	25	M6	710	1.20	437	19	74	3/8"□	QCD Controllers
QE6SC020F41S06	18427369	4.0 – 16.0	20	M6	1840	2.10	501	19	113	3/8"□	QCD Controllers
QE6SC020F61S06	16986762	4.0 – 16.0	20	M6	1840	2.10	544	38	144	3/8"□	QCD Controllers
QE6SC020F81S06	18427377	4.0 – 16.0	20	M6	1840	2.10	594	38	195	3/8"□	QCD Controllers
QE6SC028F41S06	16993685	6.0 – 22.0	28	M8	1360	2.10	501	19	113	3/8"□	QCD Controllers
QE6SC028F61S06	16986770	6.0 – 22.0	28	M8	1360	2.10	544	38	144	3/8"□	QCD Controllers
QE6SC028F81S06		6.0 – 22.0	28	M8	1360	2.10	594	38	195	3/8"□	QCD Controllers
QE6SC033F41S06	18427385	7.0 – 26.0	33	M8	1130	2.10	501	19	113	3/8"□	QCD Controllers
QE6SC033F61S06	16986788	7.0 – 26.0	33	M8	1130	2.10	544	38	144	3/8"□	QCD Controllers
QE6SC033F81S06	48376503	7.0 – 26.0	33	M8	1130	2.10	594	38	195	3/8"□	QCD Controllers
QE6SC050F41S08	18427419	10.0 – 40.0	50	M10	760	2.10	501	19	113	1/2"□	QCD Controllers
QE6SC050F61S08	16986796	10.0 – 40.0	50	M10	760	2.10	544	38	144	1/2"□	QCD Controllers
QE6SC050F81S08		10.0 – 40.0	50	M10	760	2.10	594	38	195	1/2"□	QCD Controllers
QE8SC055F41S08	80240401	11.0 – 44.0	55	M10	1470	3.00	557	19	109	1/2"□	QCD Controllers
QE8SC055F61S08	16986804	11.0 – 44.0	55	M10	1470	3.00	608	38	140	1/2"□	QCD Controllers
QE8SC055F81S08	47087101	11.0 – 44.0	55	M10	1470	3.00	659	38	191	1/2"□	QCD Controllers
QE8SC070F41S08	18427575	14.0 – 56.0	70	M10	1160	3.00	557	19	109	1/2"□	QCD Controllers
QE8SC070F61S08	16986812	14.0 – 56.0	70	M10	1160	3.00	608	38	140	1/2"□	QCD Controllers
QE8SC070F81S08		14.0 – 56.0	70	M10	1160	3.00	659	38	191	1/2"□	QCD Controllers
QE8SC090F41S08	18427609	18.0 – 72.0	90	M10	900	3.00	557	19	109	1/2"□	QCD Controllers
QE8SC090F61S08	16985517	18.0 – 72.0	90	M10	900	3.00	608	38	140	1/2"□	QCD Controllers
QE8SC090F81S08	16985509	18.0 – 72.0	90	M10	900	3.00	659	38	191	1/2"□	QCD Controllers
QE8SC150F41S08	80165962	30.0 – 120.0	150	M12	500	3.40	572	19	109	1/2"□	QCD Controllers
QE8SC150F61S08	16986820	30.0 – 120.0	150	M12	500	3.40	623	38	140	1/2"□	QCD Controllers
QE8SC150F81S08	45634656	30.0 – 120.0	150	M12	500	3.40	674	38	191	1/2"□	QCD Controllers
QE8SC230F02S12		45.0 – 185.0	230		340	5.50	812	50	241	3/4"□	QCD Controllers
QE8SC230F22S12		45.0 – 185.0	230		340	5.50	853	50	291	3/4"□	QCD Controllers
QE8SC230F62S12	16989055	45.0 – 185.0	230		340	5.50	710	50	140	3/4"□	QCD Controllers
QE8SC230F82S12	16986838	45.0 – 185.0	230		340	5.50	761	50	191	3/4"□	QCD Controllers

QE SERIES FIXTURED TOOLS
OFFSET


QE6ZC020P52S06

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
QE6ZC020P42S06	10567030IRI	4.0 – 16.0	20	M6	1840	2.50	664	51	130	3/8"□	QCD Controllers
QE6ZC020P52S06	16986846IRI	4.0 – 16.0	20	M6	1840	2.50	647	51	130	3/8"□	QCD Controllers
QE6ZC028P52S06	16987315	5.0 – 20.0	28	M8	1360	2.50	647	51	130	3/8"□	QCD Controllers
QE6ZC033P52S06	10567436IRI	7.0 – 26.0	33	M8	1130	2.50	647	51	130	3/8"□	QCD Controllers
QE6ZC050P52S06	16678039	10.0 – 40.0	50	M10	760	2.50	647	51	130	3/8"□	QCD Controllers
QE8ZC055F52S06	10568376IRI	11.0 – 44.0	55	M10	1470	3.00	723	51	130	3/8"□	QCD Controllers
QE8ZC070F02S08		14.0 – 56.0	70	M10	1160	3.00	888	51	295	1/2"□	QCD Controllers
QE8ZC070F22S08		14.0 – 56.0	70	M10	1160	3.00	939	51	346	1/2"□	QCD Controllers
QE8ZC070F62S08	18427682	14.0 – 56.0	70	M10	1160	3.00	786	51	194	1/2"□	QCD Controllers
QE8ZC070F82S08		14.0 – 56.0	70	M10	1160	3.00	837	51	245	1/2"□	QCD Controllers
QE8ZC090F02S08		18.0 – 72.0	90	M10	900	4.00	888	51	295	1/2"□	QCD Controllers
QE8ZC090F22S08		18.0 – 72.0	90	M10	900	4.00	939	51	346	1/2"□	QCD Controllers
QE8ZC090F62S08	16985491	18.0 – 72.0	90	M10	900	4.00	786	51	194	1/2"□	QCD Controllers
QE8ZC090F82S08		18.0 – 72.0	90	M10	900	4.00	837	51	245	1/2"□	QCD Controllers
QE8ZC150F02S08		30.0 – 120.0	150	M12	500	4.00	888	51	295	1/2"□	QCD Controllers
QE8ZC150F22S08	42709741	30.0 – 120.0	150	M12	500	4.00	939	51	346	1/2"□	QCD Controllers
QE8ZC150F62S08	42712901	30.0 – 120.0	150	M12	500	4.00	786	51	194	1/2"□	QCD Controllers
QE8ZC150F82S08		30.0 – 120.0	150	M12	500	4.00	837	51	245	1/2"□	QCD Controllers

QM SERIES FIXTURED TOOLS
INLINE


QM3SS008H

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
REMOTE START											
QM3SS008H22S06	18453217	2.0 – 6.0	8	M4	1382	2.70	599	50	300	3/8"□	QCD Controllers
QM3SS008H22S08	18453225	2.0 – 6.0	8	M4	1382	2.70	599	50	300	1/2"□	QCD Controllers
QM3SS008H62S06	18453175	2.0 – 6.0	8	M4	1382	2.40	449	50	150	3/8"□	QCD Controllers
QM3SS008H62S08	18453183	2.0 – 6.0	8	M4	1382	2.40	449	50	150	1/2"□	QCD Controllers
QM3SS008H92S06	18453191	2.0 – 6.0	8	M4	1382	2.40	524	50	225	3/8"□	QCD Controllers
QM3SS008H92S08	18453209	2.0 – 6.0	8	M4	1382	2.50	524	50	225	1/2"□	QCD Controllers
QM3SS012H22S06	18453266	3.0 – 10.0	12	M4	927	2.70	599	50	300	3/8"□	QCD Controllers
QM3SS012H22S08	18453274	3.0 – 10.0	12	M4	927	2.70	599	50	300	1/2"□	QCD Controllers
QM3SS012H62S06	18427690	3.0 – 10.0	12	M4	927	2.40	449	50	150	3/8"□	QCD Controllers
QM3SS012H62S08	18453233	3.0 – 10.0	12	M4	927	2.40	449	50	150	1/2"□	QCD Controllers
QM3SS012H92S06	18453241	3.0 – 10.0	12	M4	927	2.50	524	50	225	3/8"□	QCD Controllers
QM3SS012H92S08	18453258	3.0 – 10.0	12	M4	927	2.50	524	50	225	1/2"□	QCD Controllers
QM3SS016H22S06	18453324	4.0 – 13.0	16	M4	686	2.70	599	50	300	3/8"□	QCD Controllers
QM3SS016H22S08	18453332	4.0 – 13.0	16	M4	686	2.70	599	50	300	1/2"□	QCD Controllers
QM3SS016H62S06	18453282	4.0 – 13.0	16	M4	686	2.40	449	50	150	3/8"□	QCD Controllers
QM3SS016H62S08	18453290	4.0 – 13.0	16	M4	686	2.40	449	50	150	1/2"□	QCD Controllers
QM3SS016H92S06	18453308	4.0 – 13.0	16	M4	686	2.50	524	50	225	3/8"□	QCD Controllers
QM3SS016H92S08	18453316	4.0 – 13.0	16	M4	686	2.50	524	50	225	1/2"□	QCD Controllers
QM3SS020H22S06	18453373IRI	5.0 – 16.0	20	M5	545	2.70	599	50	300	3/8"□	QCD Controllers
QM3SS020H22S08	18453381	5.0 – 16.0	20	M5	545	2.70	599	50	300	1/2"□	QCD Controllers
QM3SS020H62S06	18427708	5.0 – 16.0	20	M5	545	2.40	449	50	150	3/8"□	QCD Controllers
QM3SS020H62S08	16992604	5.0 – 16.0	20	M5	545	2.40	449	50	150	1/2"□	QCD Controllers
QM3SS020H92S06	18453357	5.0 – 16.0	20	M5	545	2.50	524	50	225	3/8"□	QCD Controllers
QM3SS020H92S08	18453365	5.0 – 16.0	20	M5	545	2.40	524	50	225	1/2"□	QCD Controllers
QM5SS035H22S06	18453431	9.0 – 28.0	35	M6	590	4.20	673	50	300	3/8"□	QCD Controllers
QM5SS035H22S08	18453449	9.0 – 28.0	35	M6	590	4.20	673	50	300	1/2"□	QCD Controllers
QM5SS035H62S06	18453399IRI	9.0 – 28.0	35	M6	590	3.90	523	50	150	3/8"□	QCD Controllers
QM5SS035H62S08	18453407	9.0 – 28.0	35	M6	590	3.90	523	50	150	1/2"□	QCD Controllers
QM5SS035H92S06	18453415	9.0 – 28.0	35	M6	590	4.00	598	50	225	3/8"□	QCD Controllers
QM5SS035H92S08	18453423	9.0 – 28.0	35	M6	590	4.00	598	50	225	1/2"□	QCD Controllers
QM5SS055H22S06	18453480	14.0 – 44.0	55	M6	507	4.20	673	50	300	3/8"□	QCD Controllers
QM5SS055H22S08	18453498	14.0 – 44.0	55	M6	507	4.20	673	50	300	1/2"□	QCD Controllers
QM5SS055H62S06	16992612	14.0 – 44.0	55	M6	507	3.90	523	50	150	3/8"□	QCD Controllers
QM5SS055H62S08	18453456IRI	14.0 – 44.0	55	M6	507	3.90	523	50	150	1/2"□	QCD Controllers
QM5SS055H92S06	18453464	14.0 – 44.0	55	M6	507	4.00	598	50	225	3/8"□	QCD Controllers
QM5SS055H92S08	18453472	14.0 – 44.0	55	M6	507	4.00	598	50	225	1/2"□	QCD Controllers
QM5SS090H22S08	18453514	23.0 – 72.0	90	M8	280	4.20	673	50	300	1/2"□	QCD Controllers
QM5SS090H62S08	18427716	23.0 – 72.0	90	M8	280	3.90	523	50	150	1/2"□	QCD Controllers
QM5SS090H92S08	18453506IRI	23.0 – 72.0	90	M8	280	4.00	598	50	225	1/2"□	QCD Controllers

QM SERIES FIXTURED TOOLS
INLINE


QM7SS220H


QM9SS520H

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
QM7SS190H22S08	18453548IRI	48.0 – 152.0	190	M10	273	8.90	794	50	300	1/2"□	QCD Controllers
QM7SS190H22S12	18453555	48.0 – 152.0	190	M10	273	8.90	794	50	300	3/4"□	QCD Controllers
QM7SS190H62S08	18453522	48.0 – 152.0	190	M10	273	8.40	645	50	150	1/2"□	QCD Controllers
QM7SS190H62S12	18427724	48.0 – 152.0	190	M10	273	8.40	645	50	150	3/4"□	QCD Controllers
QM7SS190H92S08	18453530	48.0 – 152.0	190	M10	273	8.60	720	50	225	1/2"□	QCD Controllers
QM7SS190H92S12		48.0 – 152.0	190	M10	273	8.60	720	50	225	3/4"□	QCD Controllers
QM7SS220H22S12	18453563	55.0 – 176.0	220	M10	233	8.90	794	50	300	3/4"□	QCD Controllers
QM7SS220H62S12	18427732IRI	55.0 – 176.0	220	M10	233	8.40	645	50	150	3/4"□	QCD Controllers
QM7SS220H92S12	80176076	55.0 – 176.0	220	M10	233	8.60	720	50	225	3/4"□	QCD Controllers
QM9SS315H22S12	18453605	79.0 – 250.0	315	M10	278	19.50	860	50	300	3/4"□	QCD Controllers
QM9SS315H22S16	18453613IRI	79.0 – 250.0	315	M10	278	19.60	860	50	300	1"□	QCD Controllers
QM9SS315H62S12	18427740	79.0 – 250.0	315	M10	278	18.60	711	50	150	3/4"□	QCD Controllers
QM9SS315H62S16	18453571	79.0 – 250.0	315	M10	278	18.70	711	50	150	1"□	QCD Controllers
QM9SS315H92S12	18453589	79.0 – 250.0	315	M10	278	19.10	786	50	225	3/4"□	QCD Controllers
QM9SS315H92S16	18453597	79.0 – 250.0	315	M10	278	19.20	786	50	225	1"□	QCD Controllers
QM9SS435H22S12	18453662	109.0 – 346.0	435	M12	203	19.50	860	50	300	3/4"□	QCD Controllers
QM9SS435H22S16	18453670	109.0 – 346.0	435	M12	203	19.60	860	50	300	1"□	QCD Controllers
QM9SS435H62S12	18453621	109.0 – 346.0	435	M12	203	18.60	711	50	150	3/4"□	QCD Controllers
QM9SS435H62S16	18453639	109.0 – 346.0	435	M12	203	18.70	711	50	150	1"□	QCD Controllers
QM9SS435H92S12	18453647	109.0 – 346.0	435	M12	203	19.10	786	50	225	3/4"□	QCD Controllers
QM9SS435H92S16	18453654	109.0 – 346.0	435	M12	203	19.20	786	50	225	1"□	QCD Controllers
QM9SS520H22S12	18453720	130.0 – 410.0	520	M12	170	19.50	860	50	300	3/4"□	QCD Controllers
QM9SS520H22S16	18453738	130.0 – 410.0	520	M12	170	19.60	860	50	300	1"□	QCD Controllers
QM9SS520H62S12	18453688	130.0 – 410.0	520	M12	170	18.60	711	50	150	3/4"□	QCD Controllers
QM9SS520H62S16	18453696	130.0 – 410.0	520	M12	170	18.70	711	50	150	1"□	QCD Controllers
QM9SS520H92S12	18453704	130.0 – 410.0	520	M12	170	19.10	786	50	225	3/4"□	QCD Controllers
QM9SS520H92S16	18453712	130.0 – 410.0	520	M12	170	19.20	786	50	225	1"□	QCD Controllers
QM9SS650H62S16	18427757IRI	163.0 – 516.0	650	M14	136	18.70	711	50	150	1"□	QCD Controllers
QM9SS650H92S16	18453746	163.0 – 516.0	650	M14	136	19.60	786	50	225	1"□	QCD Controllers
QM9SS01KH62S16	80204761	250.0 – 800.0	1000	M16+	51	24.50	857	50	150	1"□	QCD Controllers
QM9SS15CH62S24	80220718	250.0 – 1300.0	1500	M16+	51	32.00	869	50	150	11/2"□	QCD Controllers
QM9SS18CH62S24	80220734	270.0 – 1500.0	1800	M16+	37	32.00	869	50	150	11/2"□	QCD Controllers
QM9SS20CH62S24	80220759	300.0 – 1700.0	2000	M16+	31	32.00	869	50	150	11/2"□	QCD Controllers
QM9SS22CH62S24	45487535	330.0 – 1900.0	2250	M16+	25	32.00	869	50	150	11/2"□	QCD Controllers



SOLUTIONS DESIGNED AROUND OPERATORS

OUR APPLICATIONS

POWER TOOLS TO MEET YOUR NEEDS

Ingersoll Rand looks back on 100 years of experience in manufacturing impact tools, precision fastening systems, engine starting systems and air motors. Using this experience and expertise from customization to installation and service, we adapt our Power Tools to your requirements.
Our project teams are sure to find an optimal solution. With flexible scope, we are able to provide comprehensive solutions—from start to finish.

ERGONOMICS MADE TO MEASURE

The Ingersoll Rand Solution Center specializes in customized design and manufacturing. Since 1959, Ingersoll Rand has been at the forefront of ergonomic solutions for lifting, manipulating and transferring loads. The highest ergonomic standards are set to make positioning quick and precise.
Intuitive design lets even untrained personnel operate with ease. Fully customized solutions include rail systems, lifting and balancing devices, handling devices.



Manipulators

Coil manipulator

ERGONOMICS FOR POWER TOOLS

The Ingersoll Rand Solution Center knows how to combine its skills to offer perfectly customized solutions. The adaptation of our Power Tools to your requirements moves your performance to a new level. When a precision fastening system needs to be lifted to reduce the load or to make positioning quick and precise, we can integrate it with an ergonomics system.



Fastening station with pantograph arm

Dual spindle fastening station

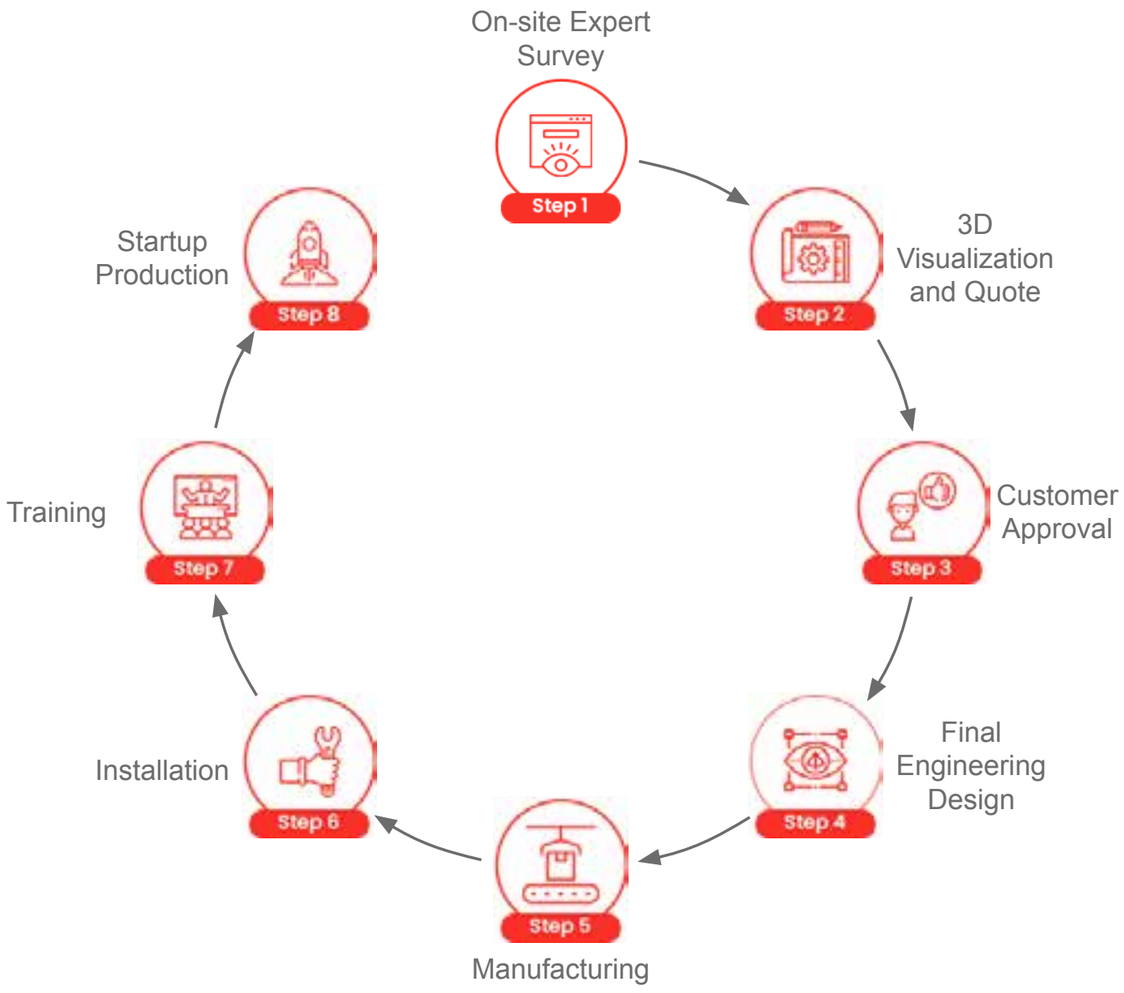
Fastening station under Torque Tube

APPLICATIONS IN DIFFERENT INDUSTRIES

Ingersoll Rand has designed solutions for many different industries. We capture the specific needs and features in those industries and incorporate those into our design process. For the automotive and off-road industries, we focus on the ergonomics and cycle time reduction; in the aerospace industry, we are fully aware of the special emphasis on safety and reliability; the construction and raw materials industries involve the toughest environments and demand exceptional equipment durability and lifetime. We are also experienced in industries including Food & Beverage, White & Brown goods, Chemical and more. We continue to develop our knowledge and understanding across other industries, while focusing on the creation of solutions tailored to the multiple needs identified.

SOLUTIONS DESIGNED AROUND OPERATORS

Power, finesse, ruggedness, precision — Ingersoll Rand Solution Center can develop the right solution for whatever your operation demands. Across all industries, our tools and equipment are hard at work enhancing safety, productivity, efficiency and profitability for our many and varied partners.



TORQUE TESTING AND CALIBRATION EQUIPMENT



Torque testers and analyzers
Calibration

INSIGHTQCT™ SERIES
CALIBRATION EQUIPMENT

Competition is driving product quality requirements to new levels. Meeting these demands requires keeping your processes in control and your tools working within specifications.



THE SOLUTION
INSIGHTQCT™ Series calibration equipment

Our INSIGHTQCT™ Series a libration equipment is the ideal quality o ntrol o mpanion for as mbly operations with s ringent torque o ntrol s andards Choos from our offering of eas -to-us torque tes ers, analyz rs, trans ue rs, and joint k ts to s t up and a librate y ur full portfolio of prec is on tools

IQCTT SERIES TORQUE TESTERS
The IQCTT Series of torque tes ers inc udes four different models with integrated trans ue rs that allow rapid and ac rate torque b ek ng of fas ening tools from 0.1 to 30 Nm (1 to 265 in-lb). The IQCTT's enhanc d features inc ude trak and peak modes for mos hand and power tools, a puls mode that meas res and o unts puls s for puls tools, and a c ik mode for hand-c ik wrenc es Inc uded trac and s atis ia l func ions s pport ev n the mos detailed joint analy s and proper dec is on mak ng.

IQCTA SERIES TORQUE ANALYZER
The IQCTA Series torque analyz r s ares the sa me o mpac , s eek des gn and impres ve feature s t, but is des gned for portability. It a n dy amia lly meas re and reo rd the output of prec is on fas ening tools on the applia tion or the work enc in both direc ions when o upled with our automatia lly recogniz d Smart or Indus ry





Standard trans ue rs d int s mulators are als a ilable to emulate different joint rates from hard to s ft and a n be us d with both s ationary and rotary trans ue rs when work ng away from the applia tion.



IQCTT TESTER
- Compac benc -mount unit
- Integrated torque trans ue r in (4) ranges from 1 to 30 Nm
- Large o lor s een
- Simple programming and nav gation
- Full s atis ia l and tightening trac analy s
- Variable rate rundown adapter inc uded
- Reb argeable Li-Ion battery with auto-s utdown feature
- USB port for data ex ort

Ideal for testing and calibration of lower torque assembly tools in a tool crib, calibration lab, or workstation.



IQCTA ANALYZER
- Lightweight portable unit
- Compatible with full range of Indus ry Standard (IS) and Smart ek ernal trans ue rs
- Large o lor s een
- Simple programming and nav gation
- Full s atis ia l and tightening trac analy s
- Reb argeable Li-Ion battery with auto-s utdown feature
- USB port for data ex ort

Ideal for use with a broad range of external transducers to test output of assembly tools on the application or wherever torque verification is required.



ACCESSORIES
- Rotary trans ue rs
- Stationary trans ue rs
- d int s mulator k ts
- Rundown adapters
- Trans ue r a bles
- Battery b arger
- Calibration s riv e

Take advantage of our extensive line of accessories and services to optimize your assembly and quality assurance processes.

TRANSDUCERS

Rotary	Stationary





JOINT SIMULATION KITS

Rotary	Stationary	Rundown Adaptor







OTHER ACCESSORIES

Cable - IS trans ue r
Nek s rap
Port a e r - 25 pin
Power Supply

ETA2-TC
ETA2-STRAP
ETA2-P525
IQC-PS

INSIGHTQCT™ SERIES TORQUE TESTERS AND ANALYZERS

POWER AND HAND TOOL COMPATIBILITY
means only one system is needed to setup and calibrate all of your precision tools

FULL STATISTICAL CAPABILITIES
Include Count, Range, Mean, MIN, MAX, Standard Deviation, Cm, Cmk, Cp, Cpk

COMPACT AND LIGHTWEIGHT with rechargeable Li-Ion battery provides ease of use and portability on the assembly line and space savings on the workbench

LARGE COLOR SCREEN
shows clear, easy-to-read test results, menus, and traces

SOFT-TOUCH KEYPAD and intuitive menus make navigation and test setup quick and simple

AUDIBLE AND VISIBLE INDICATORS
give High, Low, and Pass/Fail status



TYPICAL SCREEN



- Monitors bi-directional torque, angle, time, RPM & pulse count
- Supports onboard trace analysis and data export
- Reads in peak, click, pulse, or track mode
- Stores 999 time-stamped readings
- Auto-recognition of Smart transducers
- Selectable filter frequencies
- USB data export for readings and trace data
- Configurable Auto-print function via USB
- Eleven (11) units of measure
- Adjustable power-save settings
- Multi-language support for English, French, German, Italian, and Spanish

IQCTA SERIES – INSIGHTQCT™ TORQUE ANALYZER

Model	Compatible Transducer	Data Transfer	Auto Recognition	Screen Size (mm)
IQCTA	TRD TR TRDA TSD TS Industry Standard UTA	USB (to Printer	Yes	85x 0 mm



IQCTT SERIES – INSIGHTQCT™ TORQUE TESTER

Model	in-lb Range	Nm Range	Rundown Adaptor*	Service Kit
IQCTT-1	0.88 - 8.8	0.1 - 1	ETT-RA-1	ETT-RA-1-KIT
IQCTT-4	3.50 - 35	0.4 - 4	ETT-RA-4	ETT-RA-4-KIT
IQCTT-12	10.6 - 106	1.2 - 12	ETT-RA-12	ETT-RA-12-KIT
IQCTT-30	26.5 - 265	3.0 - 30	ETT-RA-30	ETT-RA-30-KIT

** IQCTT tester includes rundown adaptor, carrying case, power supply, manuals, and a certicficate of calibration. IQCTA analyzer includes carrying case, power supply, manuals, and neck strap.*

QUICK DOWNLOAD OF results to printer or USB for data analysis, graphing, documentation, or calibration

Dimensions
209 x 194 x 78 mm

Weight
2.2 lb / 1.0 kg (IQCTA)
4.5 lb / 2.1 kg (IQCTT)



TRANSDUCERS

	Industry Standard	Smart Transducers Torque Only	Smart Transducers Torque and Angle	(in-lb) ft-lb	Nm	in
ROTARY	TR2H4	-	-	(1.0 - 18)	0.10 - 2	1/4
	TR5H4	TRD5H4	TRDA5H4	(2.2 - 44)	0.25 - 5	1/4
	TR20H4	TRD20H4	TRDA20H4	(9.0 - 180)	1 - 20	1/4
	TR20S4	TRD20S4	TRDA20S4	(9.0 - 180)	1 - 20	1/4
	TR75S6	TRD75S6	TRDA75S6	2.8 - 55	3.8 - 75	3/8
	TR180S8	TRD180S8	TRDA180S8	6.7 - 133	9 - 180	1/2
	TR250S12	-	-	9.2 - 185	12.5 - 250	3/4
	TR500S12	TRD500S12	TRDA500S12	18.5 - 370	25 - 500	3/4
STATIONARY	TS30S4	TSD28S4	-	1.1 - 22	1.5 - 30	1/4
	TS150S6	TSD135S6	-	5.5 - 110	7.5 - 150	3/8
	TS300S8	TSD270S8	-	11 - 221	15 - 300	1/2
	TS1000S12	TSD1000S12	-	37 - 738	50 - 1000	3/4

JOINT SIMULATORS

	Industry Standard	Includes Transducer	Joint Simulator Bolt Service Kit	ft-lb	Nm	in
ROTARY	QX R20	No	QX S30-BKIT	0.75 - 15	1.0 - 20	1/4
	QX R75	No	QX S150-BKIT	2.8 - 55	3.8 - 75	3/8
	QX R180	No	QX S300-BKIT	6.7 - 133	9.0 - 180	1/2
	QX R500	No	QX S1000-BKIT	18.5 - 370	25.0 - 500	3/4
STATIONARY	QX S30	No	QX S30-BKIT	1.1 - 22	1.5 - 30	1/4
	QX S150	No	QX S150-BKIT	5.5 - 110	7.5 - 150	3/8
	QX S300	No	QX S300-BKIT	11.0 - 221	15 - 300	1/2
	QX S1000	No	QX S1000-BKIT	37.0 - 738	50 - 1000	3/4
	QX ST30	TS30S4	QX S30-BKIT	1.1 - 22	1.5 - 30	1/4
	QX ST150	TS150S6	QX S150-BKIT	5.5 - 110	7.5 - 150	3/8
	QX ST300	TS300S8	QX S300-BKIT	11.0 - 221	15 - 300	1/2
	QX ST1000	TS1000S12	QX S1000-BKIT	37.0 - 738	50 - 1000	3/4

SERVICE OFFERING



Preventative maintenance
Launch pack programs
Warranty extension
Technical support

WHAT IS INGERSOLL RAND **SERVICES SOLUTIONS?**

Ingersoll Rand provides products, services and solutions that enhance our customers' energy efficiency, productivity and operations. From preventative maintenance solutions to launch packs, warranty extensions and dedicated technical support, we prioritise your production success. Join us on a journey where our offerings are developed with you, for you, and with your production in mind.













INGERSOLL RAND **SERVICES & MAINTENANCE PROGRAM**

Contact Ingersoll Rand at **EMEA.IRServices@irco.com** for more information



PREVENTATIVE MAINTENANCE SOLUTIONS
LEAN ON US FOR TOTAL PEACE OF MIND

Our Maintenance Packages are designed with your production in mind, helping you to maintain your equipment in the best possible way and avoid costly repairs.

Our preventative maintenance packages are designed with your operations in mind.

- Discover the peace of mind that comes with reliable and efficient power tools
- Decrease unexpected breakdowns
- Extend the lifespan of your Power Tools
- Simplify administrative work and maintenance costs
- Benefit from the knowledge of our world-class experts for support in using and optimizing your Power Tools



3 LEVELS FOR COMPLETE FLEXIBILITY

ProCare	LifeCare	Platinium Care
Prevent Breakdowns Stay in Control	Optimised Care Longer Life	Total Assurance
■ 1 Year Warranty Extension ■ 1st Year Calibration ■ Preventative Maintenance Service & Lubrication ■ Spare Parts Covered	■ 2 Year Warranty Extension ■ 1st & 2nd Year Calibration ■ Preventative Maintenance Service & Lubrication ■ Spare Parts Covered ■ Critical Parts Changeover ■ Performance check	■ 3 Year Warranty Extension ■ 1st, 2nd & 3rd Year Calibration ■ Preventative Maintenance Service & Lubrication ■ Spare Parts Covered ■ Critical Parts Changeover ■ Performance check ■ Technical Support Access ■ Firmware Maintenance

WHAT IS THE BEST OPTION FOR MY OPERATIONS?

■ Maintain accuracy & repeatability of tools ■ Minimize risk of production breakdown ■ Simplify repair process	■ ProCare advantages ■ Safeguard critical production ■ Built-in spare parts cover, no-unexpected cost	■ LifeCare advantages ■ Total Care for production environments ■ Technical assistance & support
1-Year Commitment — On-Site Support Proposals available on request.	2-Year Commitment — On-Site Support Proposals available on request.	3-Year Commitment — On-Site Support Proposals available on request.

FOCUS ON PRODUCTIVITY AND PRODUCTS CONFORMITY WITH OUR PREVENTIVE MAINTENANCE PACKAGES SOLUTIONS

Ingersoll Rand's Maintenance Packages are an all in one solution designed to offer a total solution for your maintenance and production support operations; from spare parts, calibration, lubrication, functional and performance testing, our fixed price per tool ensures no unexpected costs or hidden surprises… all at a cost effective price.



SIMPLE

- Sign-up for your Maintenance Packages with your Ingersoll Rand Distribution Partners
- Maintenance is planned at a date to suit your production
- Our team will handle the administrative

FLEXIBLE

- On-site support available upon request to suit your needs.
- Tailor your package to suit you: schedule, cover lever & more.
- Rely on Ingersoll Rand specialists or local Authorised Distribution Service Partners

CAPABLE

- Only Genuine Ingersoll Rand Parts used
- Expert knowledge of Ingersoll Rand Engineers and Certified Services Partners.
- All products are returned with service report after a full performance test is complete.

QX SERIES™ LAUNCH PACK
LEAN ON US TO LAUNCH YOUR PRODUCTION



LAUNCH PACK

Lean on the expertise of our Certified Ingersoll Rand Engineers for the installation and commissioning of your new tools to ensure you start right and launch into production without costly delays.



QX Connect Series™ Precision Screwdriver

MTC Controller



QX Connect Series™ Angle Wrenches



QX Series™ Multiplier 1,000 Nm Pistol

INGERSOLL RAND LAUNCH PACK

- Ensure an optimized installation and setup
- Reduce risk of breakdown or incorrect setup
- Reduce risk of delayed production start
- Ensure the repeatability of your process

DELIVERABLES

- Installation and process setup
- Tools calibration & verification in process
- Operators training
- Certificate of conformity

ADDITIONAL SERVICES AVAILABLE

- Preventive maintenance program
- Warranty extension
- On-site support

Service offering

INGERSOLL RAND **LAUNCH PACK PROGRAM**

Contact Ingersoll Rand at **EMEA.IRServices@irco.com** for more information

WARRANTY EXTENSION
LEAN ON US TO SECURE YOUR ASSETS

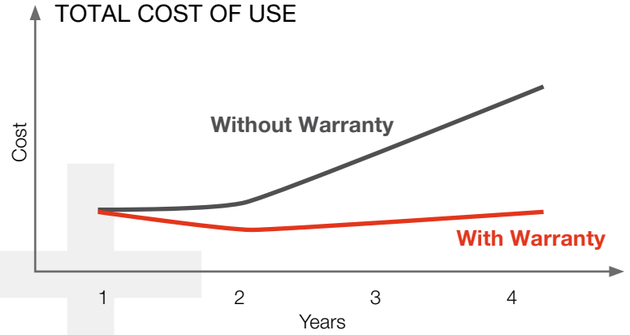


PREVENT UNEXPECTED COSTS, **AVOID COSTS IMPACT**

At Ingersoll Rand we understand the importance of protecting your valuable assets and maintaining a smooth operation without any unforeseen expenses. That's why we offer warranty extension services designed to give you peace of mind and safeguard your investments.

Ingersoll Rand warranty extension includes

- Parts & labour
- Prioritized repair
- No question asked!



1-year, 2-year and 3-year limited warranty available.



INGERSOLL RAND **WARRANTY EXTENSION**

Contact Ingersoll Rand at **EMEA.IRServices@irco.com** within 30 days from date of purchase for contract subscription

TECHNICAL SUPPORT SERVICES
LEAN ON US TO ANSWER ALL YOUR NEEDS



THE BEST SKILLS FOR **THE BEST TOOLS**

At Ingersoll Rand we prioritize meeting your specific needs and ensuring the utmost quality in your tightening process. That's why we offer a comprehensive range of support tools to elevate your joining system to new heights.

SINGLE CALIBRATION

- Ensure the accuracy of the tools
- Ensure the repeatability of your tightening process
- Calibration certificate signed



TRAINING

- Enhance the skills of workers for troubleshooting
- Enhance the skills of workers for joining methods
- How to operate the controller and the tools
- How to hold and operate the tool for best ergonomics



Service offering

INGERSOLL RAND **TECHNICAL SUPPORT**

Contact Ingersoll Rand at **EMEA.IRServices@irco.com** for more information



TAILOR-MADE SETUP FOR YOUR APPLICATION?

WE OFFER THE ANSWER

CONTROLLER LICENSE & QX SERIES™ FIRMWARE UPGRADE

- Ensure your fastening system perfectly matches your needs
- Ensure the quality of your tightening process
- An Ingersoll Rand expert on-site

QX SERIES™ PROGRAMMING

- A tailor-made programming to perfectly match your application
- Closed-loop control of your fastening process
- Tightening cycles optimized to improve your productivity





ADDITIONAL SERVICES AVAILABLE

- Preventive maintenance program
- Warranty extension
- On-site support

NOTES

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Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency.

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