

QX Series[™]





REAL TOOLS FOR REAL WORK.

Take Total Control

Taking total control of your fastening process doesn't have to be complicated. Our comprehensive QX 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.









Simple

- Save on selection, training and installation costs
- 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 and mobile on the plant floor

Flexible

- Custom solutions available
- Provides up to eight 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

Capable

- At the heart of every tool is the closed-loop transducer control that delivers precise torque and accurate, traceable results
- Durable designs, lower cost of ownership
- Available in a variety of configurations, including pistol grip, angle wrench, multiplier and ETS*
- Wireless communication option enables 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 using Ethernet, Fieldbus and digitial I/O



QX Series™ Angle Wrenches

Icon identifiers

Compatibility Reference











USB compatible

Insight Connect App

Wireless

QX Series™ Features



How to Select the Right Tool

When it comes to fastening, non-transducerized tools don't stand a chance. The QX Series™ line of products give you closed-loop control of your fastening process. 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.

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FEATURES			
OXN Total control of torque, speed and degrees of rotation		ÓXC Ó	XX
One tightening configuration that is programmed via USB using the INSIGHT Connect app	√		
Eight tightening configurations available, giving it the ability to consolidate the number of tools		✓	✓
Programming capability via USB using ICS software	✓	✓	✓
Optional ETS (Ergonomic Tightening System) to reduce torque reaction experienced by operator	✓	✓	√
Ability to program a multi-step tightening configuration	√	✓	✓
Multi-color visual status indicators for operator feedback	√	√	✓
INSIGHT Connect app	✓	✓	✓
Display shows actual achieved torque or angle value		✓	✓
Programming capability using onboard keypad and display		✓	✓
QXM Torque Multiplier (optional) models		✓	✓
Ability to integrate with line control systems for error proofing and data collection			√
Compatible with standard accessories like light stack, socket tray, bar code scanner, etc			√
Allows remote access and programming via plant Ethernet network using ICS software			✓

QXN Cordless Tools

QXN offers superior transducerized control and operator feedback in a way that is easy to use and simple to setup. This unique series features one tightening configuration that can be programmed via USB using the INSIGHT Connect app.





Features

- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- One tightening configuration
- Simple to program via USB using the INSIGHT Connect app
- 1200 cycles of data storage accessible via the INSIGHT Connect app Transducerized for precise torque measurement
- Visual operator feedback using green, yellow and red lights



See page 9 for more information
Download the Insight
Connect APP for free

QXC Cordless Tools

The versatile QXC features eight tightening configurations, giving it the ability to consolidate the number of tools needed in your bag or at your bench. This series also enhances the feedback provided from the tool by displaying the measured torque or angle result to the operator.









Features

- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- Flexibility to utilize the same tool on multiple applications
- Visual torque validation on display
- Program eight configurations into one tool
- Simple to program options using the INSIGHT Connect app or back of tool programming
- 1200 cycles of data storage accessible via ICS software
- Visual operator feedback using green, yellow and red lights



See page 9 for more information Download the Insight Connect APP for free

QXX 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.









See page 9 for more information Download the Insight Connect APP for free

Features

- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- Flexibility to utilize the same tool on multiple applications
- Visual torque validation on display
- Program eight configurations into one tool
- Simple to program options using ICS software and USB cable or back of tool programming
- Visual operator feedback using display screen and green and red lights
- Full integration into plant-wide Ethernet network, for increased connectivity
- Remote access and integrated data collection capability
- Use of PCM enables transmission of tightening data and line control integration via Ethernet, Fieldbus or I/O

QX Series™ ETS Cordless Tools



All the capability of the QX platform, without the torque reaction

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 Series™ platform, without the torque reaction.

Features

- Ergonomically enhanced motor control algorithm significantly reduces the average force experienced by the operator during the tightening process
- Red tool highlights provide clear indication of ETS* tool identity vs standard QX tool
- Continuously blue light above keypad provides operator assurance that ETS* is ACTIVE
- QXN,QXC and QXX versions available







ETS active

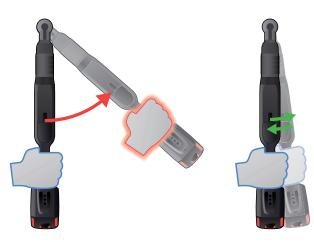




LISB compatible

Connect App

ETS non active



Simple Setup

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

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

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

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

Standard OX Direct Drive Mode, when disable the ETS* Mode, this tools can be used as a QX standard drive mode.

^{*} Ergonomic Tightening System

INSIGHT™ Connect App





The INSIGHT™ Connect app will help you stay productive, mobile and in control of your fastening process. It programs any QXN, QXC, QXX tool without the need for additional technical training, special software 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 INSIGHTTM 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. 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

Capable

- Program Torque, Angle, Speed
- Multiple Configurations (Upto 32)
- Multiple Step Programming
- End of Run (EOR) data on App
- Calibration and Cp/Cpk

QXM Cordless Torque Multiplier

The innovative QX Series[™] Cordless Torque Multiplier will reduce your fastening 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 is world-class in quality, control and programmable configurations to maximize your productivity.

Features

- Maintenance indicator for troubleshooting and diagnostics
- A multi-function display module allowing for quick setup and feedback on every QX Series[™] tool
- User-programmable parameters such as torque, angle and batch count reduce the number of tools needed when multiple applications are required
- Simple programming methods make the tool easily adaptable for various applications
- Pistol and angle configurations available



USB compatible Wireless



For QXM Cordless Torque Multiplier reaction arms selection, please refer to Page 19



Download: INSIGHT

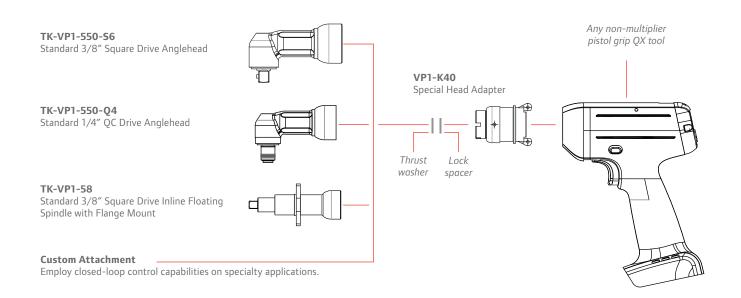
Connect

Customize for Specialty 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.



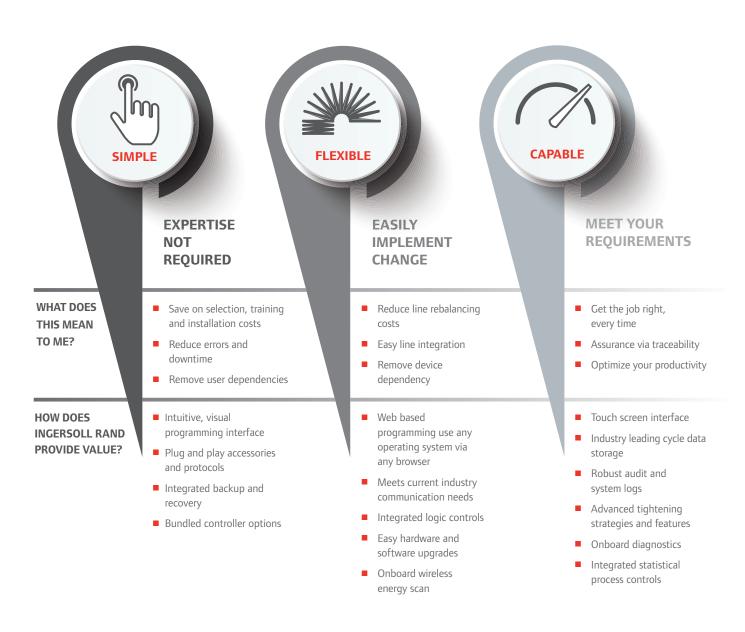


A Cordless Network for Unlimited Productivity

INSIGHTqcx™ Controller



When trying to achieve simple manufacturing goals in a complex manufacturing world, understanding the fastening process doesn't have to be complicated. The new Ingersoll Rand® INSIGHTqcx™ is different, by design. This cordless controller is designed to be easy to use and integrate, while providing a common platform to meet your assembly requirements worldwide.



Simply Insightful

The controller's web-based software eliminates device dependencies and enables full programming capability with any device that can run an internet browser, including smart phones, tablets or computers. The INSIGHTqcx™ controller is easy to integrate with the manufacturing line, provides flexible logic controls for job sequencing and helps reduce line rebalancing costs through a simple and intuitive user interface.

INSIGHTqcx™ Cordless Controller Features



INSIGHTqcx™ Cordless Controller Models

The INSIGHTqcx™ Controller is 100% compatible with our QXX tools. With the INSIGHTqcX™, the controller can store 50K tightening records and 50K tightening traces— which will let users understand all facts of the tightening process — torque, angle, time and date.

			Fie	ldbus Optic	ons	Mes Options					
Model	Display	Ethernet I/P	ProfiNET	ProfiBUS	DeviceNET	CC-Link	IR Ethernet EOR	Open Protocol	PFCS	Nissan Serial EOR	
QCXD11	YES						•				
QCXD11-F	YES	•	•				•				
QCXD11-M	YES						•	•	•	•	
QCXD11-FM	YES	•	•				•	•	•	•	
QCXD12-F	YES	•	•	•			•				
QCXD12-FM	YES	•	•	•			•	•	•	•	
QCXD13-F	YES	•	•		•		•				
QCXD13-FM	YES	•	•		•		•	•	•	•	
QCXD15-F	YES	•	•			•	•				
QCXD15-FM	YES	•	•			•	•	•	•	•	
QCXM11	NO						•				
QCXM11-F	NO	•	•				•				
QCXM11-M	NO						•	•	•	•	
QCXM11-FM	NO	•	•				•	•	•	•	
QCXM12-F	NO	•	•	•			•				
QCXM12-FM	NO	•	•	•			•	•	•	•	
QCXM13-F	NO	•	•		•		•				
QCXM13-FM	NO	•	•		•		•	•	•	•	
QCXM15-F	NO	•	•			•	•				
QCXM15-FM	NO	•	•			•	•	•	•	•	

QX Series™ Process Communication Module (PCM)

Power Cord	EU and UK cable	IC-PCM-2-EU
Tool Connections	Wireless tool connections (compatible with QXX)	Up to 10
Software	ICS Connect software	•
Power Supply	100-240V AC input, 5V DC output	•
Communication	Ethernet to ICS	•
Fieldbus Options	Ethernet/IP, DeviceNet, Interbus-S, Profibus, Modbus-TCP	•
Protocols	Open Protocol, Ethernet EOR, Serial EOR	•
Printers/Devices	Serial RS232, bar code, label printing	•
1/0	8 inputs/8 outputs, with behavior assignable through ICS software, operates at 24V DC	•
I/O Power Supply	100-240V AC input, 24V DC output	•
Indicators	Power ON, System Ready, Wireless Activity, Ethernet Activity	•
Ambient Operating Conditions	0-50°C, 20/90% non-condensing humidity	•
Enclosure	IP52 mounted in upright vertical position	•
System Weight	1.4 kg	•
Overall Dimensions	291 mm x 103 mm x 210 mm	•

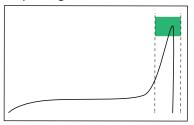


Process Communication Module IC-PCM-2-EU

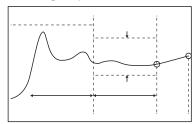
INSIGHTqcx™ Cordless Controller Capabilities

Software Capabi	ility								
·	Standard	F	M	FM		Standard	F	M	FM
Embedded Software	•	•	•	•	Factory Reset	•	•	•	•
Home Screen	•	•	•	•	Network System Discovery	•	•	•	•
JOB Setup	•	•	•	•	License Update	•	•	•	•
PSET Setup	•	•	•	•	License Activate	•	•	•	•
Multiple Tightening Strategies	•	•	•	•	Date & Time Settings	•	•	•	•
Quick Programming	•	•	•	•	System Initialization	•	•	•	•
Advanced Programming	•	•	•	•	IP Address Settings	•	•	•	•
Cycle Results	•	•	•	•	Digital IO Settings	•	•	•	•
JOB Results	•	•	•	•	EOR Data Out	•	•	•	•
Audit Log	•	•	•	•	Barcode	•	•	•	•
Event Log	•	•	•	•	User Management	•	•	•	•
System Diagnostics	•	•	•	•	System Logs		•		•
Tool Diagnostics	•	•	•	•	Fieldbus Diagnostics		•		•
Digital IO Diagnostics	•	•	•	•	Fieldbus Settings		•		•
Statistics Settings	•	•	•	•	Ethernet IP		•		•
Statistics Summary	•	•	•	•	ProfiNet		•		•
Statistics Alarm Settings	•	•	•	•	ProfiBus		•		•
Statistics Alarm Summary	•	•	•	•	DeviceNet		•		•
Backup and Restore	•	•	•	•	MES Protocols Settings			•	•
Firmware Update	•	•	•	•	Open Protocol			•	•
Preventative Maintenance Alarms	•	•	•	•	ToolsNet			•	•
Tool Calibration	•	•	•	•	VW XML 2.1			•	•

Torque/Angle Control



Prevailing Torque



Statistical	Process Control
Statistic Status	Description
Mean	Statistical average - used to derive the central tendency of the tightening data of a particular PSET
Capability	Calculated as (6* sigma / Mean) * 100 on a particular PSET
Pass %	Indicates the % of the cycles that have a cycle result of PASS from the sample population of a particular PSET
Fail %	Indicates the % of the cycles that have a cycle result of FAIL from the sample population of a particular PSET
Mean Shift	Calculated as: MEAN Result Value - TARGET Result Value for a particular PSET
Range	Calculated as: MAX Result Value - MIN Result Value of a particular PSET.
Standard Deviation (σ)	The calculated standard deviation (σ) of the Result Value of a particular PSET.
PP	Process Performance, calculated as: (USL - LSL) / (6 * σ)
CAM	Calculated as: (USL - USL) / (6* (W / d * S))
PPK	Process Performance Index, Calculated as: MIN ((MEAN - LSL) / (3 * σ) OR (USL - MEAN) / (3 * σ)

INSIGHTqcx™ Cordless Controller Specification

Hardware	Features
Weight (Kg)	2.5
Volume (dm3)	7.5
Colour Touchscreen	7 inch
Ethernet Port (10/100)	1
Ethernet Port (10/100/1K)	1
USB 2.0 Ports	4
Boot Time (seconds)	40
Voltage / Current Requirement	24V / 2A
IP Rating (mounted vertically)	IP52
Software	
PC Software	Not Required
PC License	Not Required
Number of JOBs	256
Number of PSETs (per JOB)	32
Number of Steps (per PSET)	8
Logic Rules for JOB Sequencing	Υ
Barcode function: USB, Serial, Ethernet	Υ
Manual Barcode Entry Option	Υ
Tubenut Controls (Configurable modes)	Υ
Number of Configurable User Logins	Unlimited
Quick Programming Mode	Y
Advanced Programming Mode	Υ
Unrestricted programming function from controller screen	Y
Unrestricted remote programming from any device via any authorized browser	Y
Embedded, Context-Specific Help *	Υ
Email Statistics Alarms Direct From Controller**	N
Email Preventative Maintenance Alarms Direct from Controller	N
Multi-language Support	Υ
Onboard Tool Diagnostics	Y (when connected via USB)
Wireless Energy Scan	Y
Easy Pairing	Υ
Onboard Data Storage	
Removeable SSD Hard Drive that stores ALL settings and data	Υ
Complete controller settings and data recovery through SSD swap	Y
Tightening Results	50,000
Tightening Curve	50,000
Tightening curve displayed on Home screen of controller	Υ
Audit Log	50,000
Event Log	50,000
System Log	50,000
Full Backup and Restore Function (USB or from computer/Tablet)	Υ
Connectivity Fieldbus Options	Ethornot ID ProfiNot - ProfiDue - Povice Net
MES Protcool Options	Ethernet IP, ProfiNet , ProfiBus, DeviceNet Open Protocol, Ford Open, PFCS, Toolsnet*** 3.2 & 8.0 , VW XML 2.0/ 2.1, IR Ethernet EOR, TOHO,

English, French, German, Italian, Spanish, Czech, Russian, Portuguese, Polish, Simplified Chinese Available from June 2020

^{**} Requires proper authorization and network settings by plant IT Administrator for each controller
*** No Trace Transfer

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

Batteries

All QX Series™ IQV20 tools are compatible with both the BL2022 and BL2012 batteries. The BL2022 is optimum for longer use applications while the BL2012 is ideal for tighter spaces and reduced weight. The QX Series™ IQV40 high torque tools utilize the BL4011 40V battery for increased torque and runtime.





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



Accessories



QX Pistol Protective Boots

Boot Color	Open Back	Closed Back				
Red	VP1-BOOT	VP1-BOOT-NP				
Orange	VP1-OR-BOOT	VP1-OR-BOOT-NP				
Yellow	VP1-YL-BOOT	VP1-YL-BOOT-NP				
Green	VP1-GN-BOOT	VP1-GN-BOOT-NP				
Blue	VP1-BL-BOOT	VP1-BL-BOOT-NP				
Black	VP1-BK-BOOT	VP1-BK-BOOT-NP				
White	VP1-WT-BOOT	VP1-WT-BOOT-NP				







Protective cover with closed back



Model CCN Compatibility Model extended | 47526045001 VA1-R18-170 VA1-R25-170 47526046001 10P, 15P 18P, 20P GAA2-170 80199557 GAA4-170 80199052 27P, 30P, 35P GAA5-170 80199656 40P, 80P Model Angle he GEA40-170 80095847 18P, 20P GEA40-171 80095888 27P, 30P, 35P 80095409 40P, 80P GEA40-172

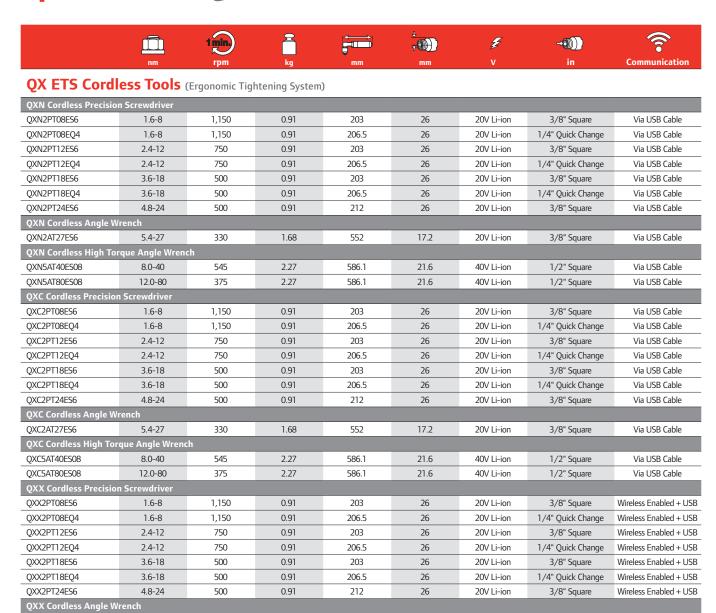
Specification QX Series™

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	nm	rpm	kg	₩mm	mm	V	in	Communication
QXN Cordle	ess Tools							
QX Series™ Cordle	ss Precision Screw	vdriver						
QXN2PT04PQ4	0.8–4	1,500	0.91	215.4	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT04PS4	0.8-4	1,500	0.91	208.3	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT04PS6	0.8-4	1,500	0.91	212.0	20.3-26.0	20V	3/8"	Via USB Cable
QXN2PT08PQ4	1.6-8	1,150	0.91	215.4	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT08PS4	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT08PS6	1.6-8	1,150	0.91	212.0	20.3-26.0	20V	3/8"	Via USB Cable
QXN2PT12PQ4	2.4-12	750	0.91	215.4	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT12PS4	2.4-12	750	0.91	208.3	20.3-26.0	20V	1/4"	Via USB Cable
QXN2PT12PS6	2.4-12	750	0.91	212.0	20.3-26.0	20V	3/8"	Via USB Cable
QXN2PT18PQ4	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4″	Via USB Cable
QXN2PT18PS6	3.6-18	500	0.91	212.0	20.3-26.0	20V	3/8″	Via USB Cable
QX Series™ Angle	Wrench							
QXN2AT05PQ4	1.0-5	1,213	1.14	552	9.2	20V	1/4″	Via USB Cable
QXN2AT10PS6	2.0-10	936	1.18	525	12.5	20V	3/8″	Via USB Cable
QXN2AT15PS6	3.0-15	600	1.18	525	12.5	20V	3/8″	Via USB Cable
QXN2AT18PQ4	3.6-18	500	1.27	542	13	20V	1/4″	Via USB Cable
QXN2AT18PS6	3.6-18	500	1.27	542	13	20V	3/8"	Via USB Cable
QXN2AT27PS6	5.4-27	330	1.68	552	17	20V	3/8"	Via USB Cable
QX Series™ High T	orque Angle Wren	ch						
QXN5AT20PS06	4.0–20	1,045	2.04	577.7	13.1	40V	3/8″	Via USB Cable
QXN5AT30PS06	6.0-30	775	2.18	581.8	17.2	40V	3/8"	Via USB Cable
QXN5AT30PS08	6.0-30	775	2.18	581.8	17.2	40V	1/2″	Via USB Cable
QXN5AT35PS06	7.0–35	640	2.18	581.8	17.2	40V	3/8″	Via USB Cable
QXN5AT35PS08	7.0–35	640	2.18	581.8	17.2	40V	1/2″	Via USB Cable
QXN5AT40PS08	8.0-40	545	2.27	586.1	21.6	40V	1/2″	Via USB Cable
QXN5AT80PS08	12.0-80	375	2.27	586.1	21.6	40V	1/2″	Via USB Cable
QXC Cordle	ess Tools							
	ss Precision Screw	vdriver						
QXC2PT04PQ4	0.8–4	1,500	0.91	215.4	20.3–26.0	20V	1/4"	Via USB Cable
QXC2PT04PS4	0.8–4	1,500	0.91	208.3	20.3–26.0	20V	1/4"	Via USB Cable
QXC2PT04PS6	0.8–4	1,500	0.91	212.0	20.3–26.0	20V	3/8"	Via USB Cable
QXC2PT08PQ4	1.6–8	1,150	0.91	215.4	20.3-26.0	20V	1/4"	Via USB Cable
QXC2PT08PS4	1.6-8	1,150	0.91	208.3	20.3-26.0	20V	1/4"	Via USB Cable
QXC2PT08PS6	1.6-8	1,150	0.91	212.0	20.3-26.0	20V	3/8"	Via USB Cable
QXC2PT12PQ4	2.4–12	750	0.91	215.4	20.3-26.0	20V	1/4"	Via USB Cable
QXC2PT12PS4	2.4–12	750	0.91	208.3	20.3-26.0	20V	1/4"	Via USB Cable
QXC2PT12PS6	2.4–12	750	0.91	212.0	20.3-26.0	20V	3/8"	Via USB Cable
QXC2PT18PQ4	3.6-18	500	0.91	215.4	20.3-26.0	20V	1/4″	Via USB Cable
QXC2PT18PS6	3.6-18	500	0.91	212.0	20.3-26.0	20V	3/8″	Via USB Cable
QX Series™ Angle	Wrench							
QXC2AT05PQ4	1.0-5	1,213	1.14	552	9.2	20V	1/4″	Via USB Cable
QXC2AT10PS6	2.0-10	936	1.18	525	12.5	20V	3/8″	Via USB Cable
QXC2AT15PS6	3.0-15	600	1.18	525	12.5	20V	3/8″	Via USB Cable
QXC2AT18PQ4	3.6–18	500	1.27	542	13	20V	1/4″	Via USB Cable
QXC2AT18PS6	3.6–18	500	1.27	542	13	20V	3/8″	Via USB Cable
QXC2AT27PS6	5.4–27	330	1.68	552	17	20V	3/8″	Via USB Cable
QX Series™ High T								
QXC5AT20PS06	4.0–20	1,045	2.04	577.7	13.1	40V	3/8″	Via USB Cable
QXC5AT30PS06	6.0–30	775	2.18	581.8	17.2	40V	3/8″	Via USB Cable
QXC5AT30PS08	6.0–30	775	2.18	581.8	17.2	40V	1/2″	Via USB Cable
QXC5AT35PS06	7.0–35	640	2.18	581.8	17.2	40V	3/8″	Via USB Cable
QXC5AT35PS08	7.0–35	640	2.18	581.8	17.2	40V	1/2"	Via USB Cable
QXC5AT40PS08	8.0–40	545	2.27	586.1	21.6	40V	1/2″	Via USB Cable
QXC5AT80PS08	12.0–80	375	2.27	586.1	21.6	40V	1/2″	Via USB Cable
		-						

Specification QX Series™

		1min.	2		1 (m)	Į.	→ •∭)	
	nm	rpm	kg	mm	mm	v	in	Communication
QXX Cordless	. Tools					<u> </u>		
QX Series™ Cordless F			0.01	215.4	26.0	201/	1 /4"	Window and lad a LICD
QXX2PT04PQ4 QXX2PT04PS4	0.8-4	1,500 1,500	0.91	215.4	26.0	20V 20V	1/4"	Wireless enabled + USB Wireless enabled + USB
0XX2PT04PS6	0.8-4	1,500	0.91	212.0	26.0	20V 20V	3/8"	Wireless enabled + USB
QXX2PT04F30 QXX2PT08PQ4	1.6-8	1,150	0.91	215.4	26.0	20V	1/4"	Wireless enabled + USB
QXX2PT048S4	1.6-8	1,150	0.91	208.3	26.0	20V	1/4"	Wireless enabled + USB
QXX2PT08PS6	1.6-8	1,150	0.91	212.0	26.0	20V	3/8"	Wireless enabled + USB
QXX2PT12PQ4	2.4–12	750	0.91	215.4	26.0	20V	1/4"	Wireless enabled + USB
QXX2PT12PS4	2.4–12	750	0.91	208.3	26.0	20V	1/4"	Wireless enabled + USB
QXX2PT12PS6	2.4–12	750	0.91	212.0	26.0	20V	3/8"	Wireless enabled + USB
QXX2PT18PQ4	3.6-18	500	0.91	215.4	26.0	20V	1/4″	Wireless enabled + USB
QXX2PT18PS6	3.6-18	500	0.91	212.0	26.0	20V	3/8″	Wireless enabled + USB
QX Series™ Angle Wre	ench							
QXX2AT05PQ4	1.0-5	1,213	1.14	552	9.2	20V	1/4″	Wireless enabled + USB
QXX2AT10PS6	2.0–10	936	1.18	525	12.5	20V	3/8″	Wireless enabled + USB
QXX2AT15PS6	3.0–15	600	1.18	525	12.5	20V	3/8″	Wireless enabled + USB
QXX2AT18PQ4	3.6–18	500	1.27	542	13	20V	1/4″	Wireless enabled + USB
QXX2AT18PS6	3.6–18	500	1.27	542	13	20V	3/8″	Wireless enabled + USB
QXX2AT27PS6	5.4–27	330	1.68	552	17	20V	3/8″	Wireless enabled + USB
QX Series™ High Torq	-							
QXX5AT20PS06	4.0–20	1,045	2.04	577.7	13.1	40V	3/8″	Wireless enabled + USB
QXX5AT30PS06	6.0–30	775	2.18	581.8	17.2	40V	3/8″	Wireless enabled + USB
QXX5AT30PS08	6.0–30	775	2.18	581.8	17.2	40V	1/2"	Wireless enabled + USB
QXX5AT35PS06	7.0–35	640	2.18	581.8	17.2	40V	3/8″	Wireless enabled + USB
QXX5AT35PS08	7.0–35	640	2.18	581.8	17.2	40V	1/2"	Wireless enabled + USB
QXX5AT40PS08 QXX5AT80PS08	8.0–40 12.0–80	545 375	2.27	586.1 586.1	21.6	40V 40V	1/2″	Wireless enabled + USB Wireless enabled + USB
			2.27	300.1	21.0	401	1/2″	Wileless eliabled + ODD
QXM Cordles	s Torque Λ	/lultiplier						
QX Series™ Pistol								
QXC2PT200NPS12	40-200	45	3.62	373	56	20V	3/4"	Via USB Cable
QXC2PT500NPS12	100-500	18	3.62	373	56	20V	3/4"	Via USB Cable
QXC2PT1000NPS12	200-1,000	9	5.44	419	80	20V	3/4"	Via USB Cable
QXC2PT1350NPS16	270-1,350	7	5.44	419	80	20V	1"	Via USB Cable
QXC2PT2000NPS16	400-2,000	5	6.80	452	80	20V	1"	Via USB Cable
QXX2PT200NPS12	40-200	45	3.62	373	56	20V	3/4"	Wireless enabled + USB
QXX2PT500NPS12	100-500	18	3.62	373	56	20V	3/4"	Wireless enabled + USB
QXX2PT1000NPS12	200-1,000	9	5.44	419	80	20V	3/4"	Wireless enabled + USB
QXX2PT1350NPS16	270-1,350	7	5.44	419	80	20V	1"	Wireless enabled + USB
QXX2PT2000NPS16	400-2,000	5	6.80	452	80	20V	1"	Wireless enabled + USB
QX Series™ Pistol Kit		AF.	2.62	272	FC	201/	2 /4"	Vi- LICD C-FI-
QXC2P200S12K2	40-200	45	3.62	373	56	20V	3/4"	Via USB Cable
QXC2P500S12K2	100-500 200-1,000	18	3.62 5.44	373 419	56 80	20V	3/4"	Via USB Cable Via USB Cable
QXC2P1000S12K2 QXC2P1350S16K2	270-1,350	7	5.44	419	80	20V 20V	3/4"	Via USB Cable
QXC2P2000S16K2	400-2,000	5	6.80	452	80	20V	1"	Via USB Cable
QXX2P200PS12K2	40-200	45	3.62	373	56	20V	3/4"	Wireless enabled + USB
QXX2P500PS12K2	100-500	18	3.62	373	56	20V	3/4"	Wireless enabled + USB
QXX2P1000PS12K2	200-1,000	9	5.44	419	80	20V	3/4"	Wireless enabled + USB
QXX2P1350PS16K2	270-1,350	7	5.44	419	80	20V	1"	Wireless enabled + USB
QXX2P2000PS16K2	400-2,000	5	6.80	452	80	20V	1"	Wireless enabled + USB
QX Series™ Angle Wre								
QXX5A45T0180PS12	16-180	110	4.25	560	150	40V	3/4"	Wireless enabled + USB
QXX5A45T0270PS12	54-270	77	4.25	560	150	40V	3/4"	Wireless enabled + USB
QXX2A52T0396PS12	79-395	21	3.54	535	175	20V	3/4"	Wireless enabled + USB
QXX2A52T0594PS12	119-594	14	4.06	535	175	20V	3/4"	Wireless enabled + USB
QXX5A52T0880PS12	180-880	23	4.60	560	175	40V	3/4"	Wireless enabled + USB
QXX5A72T1080PS16	216-1,080	19	5.97	575	195	40V	1"	Wireless enabled + USB
QXX5A72T1620PS16	324-1,620	13	5.97	575	195	40V	1"	Wireless enabled + USB

Specification QX Series™



QX Multiplier Reaction Arms

QXX Cordless High Torque Angle Wrench

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.

552

586.1

586.1



OXX2AT27ES6

QXX5AT40ES08

QXX5AT80ES08

Cranked, 45 or 90 degrees



5.4-27

8.0-40

Straight, aluminum or steel (multiple lengths available)



330

545

Plate and pin (multiple lengths available)



1.68

2.27

Double-sided



17.2

21.6

21.6

Sliding slave kit (multiple lengths available)



20V Li-ion

40V Li-ion

40V Li-ion

Sliding peg and yoke assembly (multiple lengths available)



3/8" Square

1/2" Square

1/2" Square

Sliding yoke, paddle and yoke assembly (multiple lengths available)



Wireless Enabled + USB

Wireless Enabled + USB

Wireless Enabled + USB

Blank welding ring



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