

QX Series

Cordless Precision Screwdriver



Next-Generation Productivity

Building on the Ingersoll Rand legacy for unmatched quality and durability, the innovative QX Series cordless precision screwdriver elevates tool performance to new heights. Its advanced feature set is engineered to meet your needs, now and in the future—at a price you can afford today. It will quickly become the most valuable tool on your assembly line.

NOT JUST TORQUE CONTROL...*TOTAL* CONTROL

CONTROL

- Multi-function display module and password protected keypad offer quick setup and visual feedback—*RIGHT ON THE TOOL*
- Eight user-programmable torque/angle/speed configurations allow one tool to do the job of up to eight, reducing tool costs and workspace clutter
- Closed-loop transducer control ensures quick assembly, precise torque and accurate, traceable results

COMFORT

- Compact, cordless assembly tool gives you the freedom to work without constraints
- Lightweight, low-reaction, ergonomically balanced design maximizes operator comfort
- Safe and clean operation – no cords, air hoses or brush dust

COMMUNICATION

- Wireless communication option delivers process control with I/O, automatic configuration switching and real-time data archiving for up to 10 tools via Process Communication Module (PCM)
- Plant-wide networking manages both process control inputs and feedback data using Ethernet, Fieldbus or I/O, complete with data archiving

QX
S E R I E S



Inspired Technology

At Ingersoll Rand, our design team started with a fresh vision...to engineer a new class of advanced, high-tech cordless fastening tools that deliver closed-loop, multi-configuration control and precision—at an affordable price.

The Building Blocks of Ingenious Engineering

User-Friendly Display Module



- Displays results and accepts programming inputs
- Up to eight user-programmable fastening configurations
- Stores cycle data for up to 1,200 run downs

Patented Transducer



- Precisely senses torque to manage the fastening cycle
- Ultimate process control
- Advanced strategies like prevailing torque and angle control with torque monitoring

Powerful Digital Signal Processor



- Accurately controls motor for precision fastening
- Monitors torque, angle and motor current, and communicates end of run data
- Eliminates need for costly external controller

Advanced Power Board



- Controls DC motor to drive tool through user-programmed torque, angle and speed profiles
- Modulates power from lithium-ion battery to optimize performance

Intelligent Radio Board Option



- Transmits end-of-run data wirelessly to the Process Communication Module (PCM)
- PCM transmits data to database or assembly line control system via Ethernet, Fieldbus or I/O
- Receives tool settings and configurations

Durable DC Brushless Motor



- Drives QX Series precision power train
- No brushes to wear out or leave carbon residue
- Efficient rare earth magnet motor is designed for over a million cycles



Get a Grip on Ultimate Value



Explore the in-depth features and advantages of the QX Series at ingersollrandproducts.com/QX

For Plant-Wide Productivity... Get Connected

Ingersoll Rand doesn't just give you unprecedented technology. We give you total control over that technology...control that translates to maximum productivity.

Real-Time Monitoring



Data Archiving



Process Control

Configured For Versatility

Maximize your productivity by tailoring the QX Series to exactly meet your assembly line requirements.

QX Series Cordless Precision Screwdriver

												
Model	in-lbs (Nm)		rpm	lbs (kg)*		in (mm)		in (mm)		in	v	Communication
QX SERIES												
QXX2PT04PQ4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
QXX2PT04PS4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
QXX2PT04PS6	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8" 	20V Li-ion	Wireless Enabled
QXX2PT08PQ4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
QXX2PT08PS4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
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QXX2PT12PQ4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
QXX2PT12PS4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Wireless Enabled
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QXC2PT04PQ4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Via USB Cable
QXC2PT04PS4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4" 	20V Li-ion	Via USB Cable
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QXC2PT12PS6	21 - 106	(2.4 - 12)	750	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Via USB Cable

* Weight without battery, battery sold separately

BATTERIES

IQ^{v20} Series

Advanced Lithium-Ion Technology

IQ^{v20} Series 20V
Battery Charger
BC1120

IQ^{v20} Series 20V, 3.0Ahr
Lithium-Ion Battery Pack
BL2010

IQ^{v20} Series 20V, 1.5Ahr
Lithium-Ion Battery Pack
BL2005

Each Process Communication Module provides wireless data transmission for up to 10 tools or enables tool integration into plant process control systems.

QX Series Process Communication Module (PCM)

Power Cord	BC10-CORD-US	IC-PCM-1-US	IC-PCM-2-US
Tool Connections	Wireless tool connections	10	1
Software	ICS Connect software	•	•
Power Supply	120V 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		•
I/O	8 inputs/8 outputs, with behavior assignable through ICS software, operates at 24V DC		•
I/O Power Supply	120V 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	3.0 lb (1.4 kg)	•	•
Overall Dimensions	11.5 in x 4.1 in x 8.3 in 291 mm x 103 mm x 210 mm	•	•



Process Communication Module
IC-PCM-2-US

ACCESSORIES



Boot
VP1-Boot



Bit Selector Tray
IC-BIT-8



Socket Selector Tray
IC-Socket-8



Communication Kit
84737-Comm-Kit



Suspension Bale
VP1-365



Auxiliary Handle
VP1-A48



Selector Tray Cables
IC-19PIN-5M
IC-19PIN-10M



Torque Tester
EXTT-30



Spring Balancer
BMD5-2



Socket Kit
SK3H8



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Distributed by:

SCREWDRIVERS

Ingersoll Rand dominates the industry with the most comprehensive range of pneumatic screwdrivers. Shut-off, slip & positive clutch models are offered in different speeds in straight, pistol grip and right angle configurations.

The auto shut off range is recommended for applications requiring torque consistency. Shut off tools also minimise component breakage during fastening of fragile plastic & bakelite components.

Auto start screwdrivers minimise operator fatigue, allow faster operations and reduce air consumption.

Right-angle screwdrivers have been designed for applications with limited access and are more comfortable on high torque applications.



1RPNS1-WI



41SA10PSQ4-WI



QS1L02S1



1RLNC1/WI



1RLN2S3-WI

Model	Torque Range Nm	Free Speed rpm	Overall Length mm	Body Diameter mm	Weight kg	Average Air Cons. cfm*
AUTO SHUT OFF SCREWDRIVERS						
Straight Handle						
Auto Start						
1RPLS1-WI	0.4 - 1.45	2800	-	28	0.50	1.6
1RPMS1-WI	0.28 - 2.30	1650	223	28	0.50	1.6
1RPNS1-WI	0.17 - 3.40	1000	223	28	0.50	1.6
IRPQS1-WI	0.15 - 5.10	500	-	28	0.50	1.6
41SA17PSQ4-WI	1.70 - 7.00	1700	277	40	1.20	6.0
41SA10PSQ4-WI	1.70 - 9.00	1000	277	40	1.20	6.0
Lever Start						
QS1L10S1D	0.30 - 4.50	1000	241	44	0.70	3.2
QS1L02S1D	0.30 - 5.40	250	241	44	0.70	3.2
Pistol Type						
Auto Start						
QP1P10S1D	0.30 - 4.50	1000	224	30	0.84	3.2
QP1P05S1D	0.30 - 5.40	500	224	30	0.84	3.2
41PA16PSQ4-WI	1.70 - 6.80	1600	249	44	1.36	5.6
41PA8PSQ4-WI	1.70 - 11.30	800	249	44	1.36	5.6
Trigger Start						
QP1S10S1D	0.30 - 4.50	1000	224	30	0.84	3.2
41PA16TSQ4-WI	1.70 - 6.80	1600	249	44	1.36	5.6
41PA8TSQ4-WI	1.70 - 11.30	800	249	44	1.36	5.6
Trigger Permit						
1RTMS1-WI	0.28 - 2.30	1650	218	34	0.68	1.6
1RTNS1-WI	0.17 - 3.40	1000	218	34	0.68	1.6
1RTQS1-WI	0.17 - 5.10	500	223	34	0.68	1.6
Right Angle Screwdrivers						
1RLN2S3-WI	0.20 - 5.30	1/4 Hex	700	318	0.8	1.6
CUSHION CLUTCH SCREWDRIVERS						
Straight Handle						
Auto Start						
1RPNC1-WI	0.17 - 3.40	1000	223	28	0.48	1.6
1RPMC1-WI	0.28 - 2.30	1650	223	28	0.48	1.6
41SC17PSQ4-WI	1.10 - 6.80	1700	277	40	1.36	4.0
41SC10PSQ4-WI	1.10 - 9.00	1000	277	40	1.36	4.0
Lever Start						
1RLNC1/WI	1.70 - 3.40	1000	233	28	0.50	1.6
Pistol Type						
Trigger Start						
1RAMC1-WI	0.28 - 2.30	1650	218	34	0.68	1.6
1RANC1-WI	0.17 - 3.40	1000	218	34	0.68	1.6
Auto Start						
41PC16PSQ4-WI	1.70 - 6.80	1600	249	44	1.36	5.6
41PC8PSQ4-WI	1.70 - 11.30	800	249	44	1.36	5.6

20% of air consumption at full load.

41 series screwdrivers are also available with finger type bit holders.

	Air Inlet	Hose Bore
1	1/8" NPT	6 mm
41 & 7672	1/4" NPT	8 mm

	Air Inlet	Hose Bore
Q	1/4" NPT	6 mm
22 & 2	1/4" BSP	8 mm