

Qi Series

Air Impact Screwdrivers





Ingersoll Rand wrote the book on impact tools. In 1934, we were the first to introduce a revolutionary tool that converted rotary impacts into torque with little to no torque reaction to the operator. More than 75 years later, we are still leading the industry by delivering innovations that streamline our customers' manufacturing processes. Our latest innovation, the Qi Series air impact screwdriver, embodies this legacy by providing industry-leading ergonomics and durability to maximize productivity.

The Qi Series design is based on extensive operator feedback from interviews and surveys. Our customers value easy-to-use tools and demand that they be durable enough to keep their operations running smoothly. The Qi Series answers this call with an optimal combination of ergonomics, durability, and performance to help make our customers' dreams a reality.

Our designer's uncompromised vision is quickly evident in the ergonomically sculpted composite handles, low-force reverse levers, and contoured hand rests that enable easy one-hand operation. Just as important as the sleek exterior, the fine-tuned impact mechanism inside delivers the reactionless, high-speed power operators love. Extensive computer-aided design, dynamic simulation, finite element analysis, and testing not only ensure the design meets the stringent performance requirements, but also the durability requirements for high cycle rate assembly applications. The end result is a family of tools that continues the legacy of industry-leading innovation.

Trusted tools, proven experience

Ingersoll Rand has extensive experience with threaded fastening processes. For more than 100 years, we've worked with many of the world's leading manufacturers in various industries. We understand the interface between the tool and operator; we know how to leverage the power of ergonomically designed equipment to maximize productivity and inspire progress.
















Qi Series air impact screwdrivers

Qi Series air impact screwdrivers are designed with the end user in mind. Best-in-class ergonomics allow the operator to focus on the job, not the tool, and the extremely durable impact mechanism delivers high speed reactionless power capable of meeting the rigorous demands of high cycle rate assembly applications. The end result: a tool that helps you maximize productivity.

Extensive design simulations and finite element analysis enabled the development of a high-performance impact mechanism durable enough to hold up under the most demanding job requirements.

Rigorous testing ensures the design meets the stringent performance requirements of our customers.



							
Model		90 psi ft-lb (Nm)*	90 psi rpm	lb (kg)	in (mm)	cfm (L/min)	in
DC INLINE LEVER START							
QiS08Q4	M4	1.5 – 5.9 (2 – 8)	13,500	1.8 (0.8)	9.29 (236)	11 (311)	1/4" 
QiS14Q4	M5	3.7 – 10.3 (5 – 14)	13,000	1.8 (0.8)	9.29 (236)	19 (538)	1/4" 
QiS20Q4	M6	7.4 – 14.8 (10 – 20)	12,000	2.3 (1.0)	9.53 (242)	23 (651)	1/4" 
QiS30Q4	M8	14.8 – 19.9 (20 – 27)	12,000	2.3 (1.0)	9.53 (242)	26 (736)	1/4" 
DC PISTOL TRIGGER START							
QiP08Q4	M4	1.5 – 5.9 (2 – 8)	12,000	1.7 (0.7)	6.06 (154)	16 (453)	1/4" 
QiP14Q4	M5	3.7 – 10.3 (5 – 14)	12,400	1.8 (0.8)	6.06 (154)	22 (623)	1/4" 
QiP20Q4	M6	7.4 – 14.8 (10 – 20)	11,300	2.3 (1.0)	6.46 (164)	31 (878)	1/4" 
QiP30Q4	M8	14.8 – 22.1 (20 – 30)	9,000	2.3 (1.0)	6.85 (174)	32 (906)	1/4" 

* Note: Highest recommended torque for assembly line applications. Exceeding the highest recommended torque repeatedly may result in reduced tool life.

Series			
Qi	83 - 89 dBa	1/4" NPT	3/8" (10 mm)

Integral power regulator

Provides easy onboard adjustment

Durable aluminum main body

Withstands tough operating conditions

Low-force reverse lever

Ideally positioned for easy one-handed operation

Ergonomic composite handle

Delivers operator comfort and durability

Heavy-duty impact mechanism

Provides high-speed reactionless power for high cycle rates

Comfortable ergonomic hand rest and actuator

Allow the operator to focus on the job, not on the tool

Double-ended 1/4" quick change bit holder makes switching bits easy



Optimally positioned ports direct exhaust away from the workpiece

Multiple sizes and configurations allow flexibility to choose the ideal tool for the application



Manuals

Series	Product	Parts	Safety
QiS08Q4, QiS14Q4	45743994	45735883	04580916
QiS20Q4	45743994	45739620	04580916
QiP08Q4, QiP14Q4	45743994	45739638	04580916
QiP20Q4	45743994	45740016	04580916

To find manuals on the Web: www.irtechpubs.com

Tune-up kits

Tool series	Motor kit	Mechanism kit	Vane kit
QiS08Q4	JQS1-TMK	JQS2-THK	JQ1-42-6
QiS14Q4	JQS2-TMK	JQS2-THK	JQ2-42-6
QiS20Q4	JQS3-TMK	JQS3-THK	JQ3-42-6
QiS30Q4	JQS4-TMK	JQS4-THK	JQ4-42-6
QiP08Q4	JQP1-TMK	JQP2-THK	JQ1-42-6
QiP14Q4	JQP2-TMK	JQP2-THK	JQ2-42-6
QiP20Q4	JQP3-TMK	JQP3-THK	JQ3-42-6
QiP30Q4	JQP4-TMK	JQP4-THK	JQ4-42-6

Literature

Catalog name	Form number	Catalog name	Form number
DC tools	IRITS-0109-008	Torque arms	IRPS-0907-044
QA4/6/8 air tools	IRPS-1007-053	Pulse tools	SW041107
Audit wrench	ASM-1106-128	Fixtured fastening	IRITS-1107-043
Assembly tools	IRPS-1007-052	Cordless tools	VSS-0806-060
Feed drill	52475-AT-C	Cordless accessories	VSS-0806-065

To order Ingersoll Rand literature please e-mail: irlitorders@kencook.com



Assembly tools



QA4/6/8 tools



Pulse tools



Audit wrench



Fixtured systems



DC tools



Cordless tools



Cordless accessories



Torque arms



Feed drill

Ingersoll Rand fastening portfolio

Ingersoll Rand offers a full line of production fastening equipment, including air and electric screwdrivers, nutrunners, drills, riveters, pulse tools, as well as hand-held and multispindle fixtured DC nutrunners. Whether you need a solution for a single, specific application or an entire assembly line, you can trust our century of tool design experience to meet your needs.



A I R I M P A C T S C R E W D R I V E R S



Inlines

- Best-in-class ergonomics
- Excellent durability
- Extremely fast
- Very low reaction
- Excellent power-to-weight ratio
- Integral power regulators
- M4 – M8 fasteners

Recommended for non-critical high cycle-rate applications where speed and ergonomics are important. Inline tools are typically suspended from spring balancers for use in vertical applications.



Pistols

- Best-in-class ergonomics
- Excellent durability
- Extremely fast
- Very low reaction
- Excellent power-to-weight ratio
- Integral power regulators
- M4 – M8 fasteners

Recommended for non-critical high cycle-rate applications where speed and ergonomics are important. Pistol tools are typically used in horizontal applications and can be suspended from a spring balancer or used freehand.



Accessories

- Spring balancers
- QC qualifier
- FRLs
- Arms
- Hoses and fittings
- Bits, boots, and gloves
- Service and more

Take advantage of our extensive line of accessories to optimize your assembly operations and to maximize your productivity.

Accessories

Spring balancers	FRLs	Protective boots	Bench mount arm	Inline tool holder	Pistol tool holder	Qualifier hoses	Air tool qualifiers
BLD1 BLD2	C38121-800	QiPS-boot QiPL-boot	QTA010	NTC010-1T	PTC010-1C	QXLH-08-14 QXLH-16-14 QXLH-25-14	QC100-S-K

The best equipment deserves the best service

At Ingersoll Rand, we know how important your equipment is to your livelihood. That's why for the past 100 years we've been setting the standard for not just powerful and durable products, but also for providing total solutions that help you get the job done right.

As tough as our equipment is, we also know that it needs to be maintained. When the time comes, let Ingersoll Rand meet your service and repair needs through our expansive Certified Service Network. Each Certified Service provider has the specialized testing equipment, genuine parts, and skilled training to ensure you're back up and running at original equipment manufacturer (OEM) specifications.

Global reach, local service

No matter where your facility is located, Ingersoll Rand is committed to serving you 24 hours a day, seven days a week. Our worldwide network of distributors, certified, factory-trained technicians, and engineers are a phone call away — ready to support you with innovative and cost-effective solutions that will keep you running at peak performance.



**Repairs done right.
Service made simple.**

irtools.com/tools/fastening

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