

Torque Reaction Arms



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Bench-mounted QTA Torque Arms

Ingersoll Rand QTA bench-mounted torque reaction arms are constructed of lightweight aluminum and are available in a variety of torque capacities, ranging from 10 to 150 Nm. They include an Ingersoll Rand spring-loaded, die-cast aluminum balancer for impressive strength and reduced weight.

Spring balancer adjusts easily and offers effortless vertical movement.

Simple, proven design for trouble-free setup and dependability.

Anodized aluminum body delivers toughness in a lightweight design.

Chrome-plated pole paired with a self-lubricating bearing, provides unmatched durability.

Position arm at 90° angle for optimum torque reaction performance. Arm should not be used in fully extended or fully collapsed position as this reduces reaction capabilities.

Cable or air line clamps keep work area clear and organized.

Multiple-tool holder options include right angle, swivel, and pistol grip.

Custom tool holder options enable seamless integration with Ingersoll Rand QA and QE tools

Adjustable reach for easy use and convenience when locating fasteners

Torque Reaction Arms

	Max ft-lbs	SWL	Max. Working Reach	Working Reach	H
Model	ft-lb (Nm)	lb (kg)	in (mm)	in (mm)	in (mm)
QTA010	7.4 (10)	2.64 (1.20)	15" (381)	13.0" (330)	27.8" (706)
QTA020	14.8 (20)	5.00 (2.27)	20" (508)	14.5" (368)	31.8" (808)
QTA040	29.5 (40)	6.50 (2.95)	25" (635)	17.5" (445)	39.7" (1008)
QTA100	73.8 (100)	8.00 (3.63)	30" (762)	17.5" (445)	39.7" (1008)
QTA150	110.6 (150)	10.00 (4.54)	52" (1321)	22.0" (559)	78.7" (2000)



NOTE: QTA150 is adjustable to mount to the floor or a bench and does not include a tool holder.
SWL = Safe Working Load.

Bench-mounted Arm Accessories

Torque arm accessories include inverse mounting kits to provide mounting to overhead structure and upper pole clamps that help limit travel of the bearing and add support to the top of the arm. Use the table below to select the proper accessory for each torque arm.

Accessories	Torque Arms			
	QTA010	QTA020	QTA040	QTA100
Inverse mounting kit	IMK010	IMK020	IMK100	IMK100
Upper pole clamp	PUC010	PUC020	PUC100	PUC100



Floor-mounted QTA Torque Arms

When high-torque fastening is required, Ingersoll Rand has two floor-mounted, air-enabled arms from which to choose, with 270 and 475 Nm capacities.

Generous arm length makes QTA ideal for assembly line applications.

Adjustable height control delivers flexibility for virtually any application.



Safety stop eliminates over-extending arms.



Ingersoll Rand air regulator included with QTA270 and QTA475 arms.

Custom tool holder options permit use with Ingersoll Rand QA and QE tools.

Simple design ensures easy, effective setup and use.



Solid, steel-frame construction for rugged dependability

QTA150 can be easily configured for either a bench-mounted or floor-mounted torque arm, and reconfigured as the job demands.

Model	Max. ft-lb (Nm)	SWL lb (kg)	Max. Working Reach in (mm)	in (mm)	in (mm)
QTA150	110.6 (150)	10.0 (4.5)	52" (1321)	22.0" (559)	78.7" (2000)
QTA270	199 (270)	22.0 (10.0)	60" (1524)	18.8" (477)	78.7" (2000)
QTA475	350 (475)	50.6 (23.0)	79" (2007)	23.2" (590)	78.7" (2000)

Note: Arms above do not include tool holders (please refer to the following page for holders for your Ingersoll Rand tools).
SWL = Safe Working Load

QTA270 model shown

Torque Reaction Arms

Torque Arm Tool Holders



Right angle



Pistol



Rotating



Push-to-start



1/4" NPT



Angle or inline

Tool Holders	Torque Arms			
	QTA010	QTA020	QTA040	QTA100
Inline (included with arm)	ITC010-1C	ITC040-1C	ITC040-1C	ITC100-1C
Right angle	ATC010-1C	ATC040-1C	ATC040-1C	ATC100-1C
Pistol	PTC010-1C	PTC040-1C	PTC040-1C	-
Rotating	RTC010-1C	RTC040-1C	RTC040-1C	-
1/4" NPT	NTC010-1T	-	-	-

Generic tool holders are not available for arms 150 Nm and above.

Flange mounting is recommended for in-line tools with torque capacity above 40 Nm.

Note the tool diameter range for generic holders:

QTA010: 25 – 40 mm (1" – 1.57")

QTA020 / QTA040 / QTA100: 28 – 52 mm (1.1" – 2")

Ingersoll Rand QA Series and QE Series Tool Holders

Tools	Torque Arms						
	QTA010	QTA020	QTA040	QTA100	QTA150	QTA270	QTA475
QA4 (angle)	-	CTC040-K6B	CTC040-K6B	CTC100-K6B	-	-	-
QA4 (27 Nm max inline) & QA6	-	CTC040-K1B	CTC040-K1B	CTC100-K1B	-	-	-
QA4 (46 Nm inline)	-	-	-	CTC100-K2B	-	-	-
QA8 (150 Nm max angle, 55 Nm max inline)	-	-	CTC040-K1B	CTC100-K1B	CTC150-K2B	-	-
QA8 (above 150 Nm angle, above 55 Nm inline)	-	-	-	CTC100-K2B	CTC150-K3B	CTC270-K3B	-
QE4 (non-push-to-start)	-	CTC040-K1B	CTC040-K1B	-	-	-	-
QE4 (push-to-start)	CTC040-K1P	CTC040-K1P	CTC040-K1P	-	-	-	-
QE6	-	CTC040-K2B	CTC040-K2B	CTC100-K2B	-	-	-
QE8 (using bolt-on flange GEM120-K48)	-	-	-	CTC100-K2B	CTC150-K2B	-	-
QE8 (using integrated flanged gear case)	-	-	-	CTC100-K3B	CTC150-K3B	CTC270-K3B	-
QE8 (230 Nm in-line)	-	-	-	-	-	CTC270-K4B	-
QE8 (400 Nm angle)	-	-	-	-	-	-	CTC475-K5B

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," "R," or "J," 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 Rand-specific tool holder that ends with "6B."

Light-Duty Work Arms

These steel-constructed, lightweight workstations offer the operator tool flexibility while supporting the tool weight. Add a torque absorber rod to help relieve minor torque reaction forces while fastening.

Model	Description
IRBS3-EO	Basic station (no absorber)
IRBS3-N30	Air tool station with torque absorber
IRBS3-E30	Electric tool station with torque absorber

Note: Workstations do not include tool, spring balancer, air hose, or FRL. All must be purchased separately.

