



# Ingersoll-Rand®

## DC Electric Fastening Systems

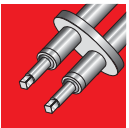
Ingersoll Rand's full line of Electric Fastening Tools delivers the ultimate combination of accuracy, durability, and ergonomics to maximize your assembly line's productivity. The World-Class QE & QM Series of handheld and fixtured DC electric tools, coupled with ICD & M Controllers and Software, offer state of the art closed-loop transducerized control for your most critical applications. For other applications, our high quality family of mechanical clutch electric screwdrivers offers an economical alternative to closed-loop control. Regardless of the complexity of your requirements, you can trust Ingersoll Rand to deliver the right solution to meet your needs.



DC Electric Nutrunners



DC Electric Fixtured Spindles



Fixtured Fastening Systems



DC Electric Controllers



ICS Software



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# DC Electric Nutrunners

Push-to-Start



## QE4 Push-to-Start Inline

Offering accurate, high-speed, one-handed operation, this tool is activated when the operator presses down on the fastener. This eliminates the need for a lever, saving time and effort. The tool's unique clevis attachment allows for easy attachment to torque arms while offering the operator optimal hand positioning and workpiece visibility.



QE4TS010R11Q04

### Features

- Torque Range: 0.75 – 18.3 ft-lbs (1 – 25 Nm)
- Speeds: Adjustable to 1820 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and data and process communications
- Compact, high-speed, easily accessible controls
- Non-contacting switches, heavy-duty gear train, and DC brushless motor provide exceptional durability
- TactAlert provides positive feedback to the operator without distracting from the task
- Preventive maintenance alerts
- Comfortable ergonomic grip
- High-temperature motor protection
- Easy-to-use reverse ring
- Bright LEDs provide visible status indicators

### Service and Accessories

#### Manuals:

- 16574451
- 19576951
- 16575151

#### Accessories:

- Reaction bar kit: GEPTS15-K48
- Torque arms, see page 180
- Cable, see page 47
- ICD & M controllers, see page 39

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in
<b>DC INLINE PUSH-TO-START</b>						
QE4TS010R11Q04	0.75 – 7.4 (1 – 10)	1,820	2.6 (1.2)	14.2" (363)	0.98" (25)	1/4"
QE4TS010R11S04	0.75 – 7.4 (1 – 10)	1,820	2.6 (1.2)	13.4" (343)	0.98" (25)	1/4"
QE4TS010R11S06	0.75 – 7.4 (1 – 10)	1,820	2.6 (1.2)	13.4" (343)	0.98" (25)	3/8"
QE4TS015R11Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.6 (1.2)	14.2" (363)	0.98" (25)	1/4"
QE4TS015R11S04	1.1 – 11.0 (1.5 – 15)	1,220	2.6 (1.2)	13.4" (343)	0.98" (25)	1/4"
QE4TS015R11S06	1.1 – 11.0 (1.5 – 15)	1,220	2.6 (1.2)	13.4" (343)	0.98" (25)	3/8"
QE4TS020R11S06	1.5 – 14.7 (2 – 20)	900	2.6 (1.2)	13.4" (343)	0.98" (25)	3/8"
QE4TS025R11S06	1.8 – 18.3 (2.5 – 25)	710	2.6 (1.2)	13.4" (343)	0.98" (25)	3/8"

## DC Electric Nutrunners

Pistol Grip



### QE4 Pistol

Provides the utility of a pistol tool while delivering the accuracy of a closed-loop transducerized DC system. With three modes of activation, bright LED headlight, and a standard reaction bar, this tool meets all the requirements of the most demanding jobs when teamed with an IC controller.



QE4PT015P10S04

#### Features

- Torque Range: 0.75 – 18.3 ft-lbs (1 – 25 Nm)
- Speeds: Adjustable to 1820 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and data and process communications
- Non-contacting switches, heavy-duty gear train, and DC brushless motor provide exceptional durability
- Bright LED headlight
- Compact, high-speed, easily accessible controls
- Comfortable ergonomic grip
- Preventive maintenance alerts
- High-temperature motor protection
- Bright LEDs provide visible status indicators
- TactAlert provides positive feedback to the operator without distracting from the task
- Reaction bar standard

#### Service and Accessories

##### Manuals:























- 80151632
- 80151590
- 80151624

##### Accessories:

- Torque arms, page 180
- Cables, page 47
- ICD & M controller, page 39

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in
<b>DC TRIGGER + PUSH-TO-START</b>						
QE4PP010P11Q04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4"
QE4PP010P11S04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4"
QE4PP010P11S06	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8"
QE4PP015P11Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4"
QE4PP015P11S04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4"
QE4PP015P11S06	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8"
QE4PP020P11S06	1.5 – 14.7 (2 – 20)	900	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8"
QE4PP025P11S06	1.8 – 18.3 (2.5 – 25)	710	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8"



						
Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in
<b>DC PUSH-TO-START</b>						
QE4PS010P11Q04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4" 
QE4PS010P11S04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4" 
QE4PS010P11S06	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PS015P11Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4" 
QE4PS015P11S04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4" 
QE4PS015P11S06	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PS020P11S06	1.5 – 14.7 (2 – 20)	900	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PS025P11S06	1.8 – 18.3 (2.5 – 25)	710	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
<b>DC TRIGGER START</b>						
QE4PT010P10Q04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4" 
QE4PT010P10S04	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4" 
QE4PT010P10S06	0.75 – 7.4 (1 – 10)	1,820	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PT015P10Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.5" (243)	0.8" (20.3)	1/4" 
QE4PT015P10S04	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.0" (230)	0.8" (20.3)	1/4" 
QE4PT015P10S06	1.1 – 11.0 (1.5 – 15)	1,220	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PT020P10S06	1.5 – 14.7 (2 – 20)	900	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 
QE4PT025P10S06	1.8 – 18.3 (2.5 – 25)	710	2.9 (1.3)	9.1" (234)	0.8" (20.3)	3/8" 



## DC Electric Nutrunners

Inline



### QE Series Inlines

A proven world-class combination — QE tools and IC Series controllers team up to provide superior accuracy and durability and meet your critical fastening requirements. The non-contacting switches, heavy-duty gear train, and DC brushless motor create a durable package while the compact, ergonomic design and easily accessible controls help operators keep production lines running smoothly.



QE4ST010B21Q04

#### Features

- Torque Range: 0.75 – 169 ft-lbs (1.0 – 230 Nm)
- Speeds: Adjustable to 1,840 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and data and process communications
- TactAlert provides positive feedback to the operator without distracting from the task

- Compact, high-speed, easily accessible controls
- Bright LEDs provide visible status indicators
- Comfortable ergonomic grip
- High-temperature motor protection
- Preventive maintenance alerts

#### Service and Accessories

##### Factory-Direct Options for QE4, QE6 and QE8

- Activation: Fifth Digit QE8S( )      Mounting: Ninth Digit QE8ST230( )  
 T = Trigger      P = No Mount  
 L = Lever      F = Flanged Mount  
 E = Extended Lever      R = Reaction Bar Mount  
 C = Machine Start      B = Flange Mount Kit  
    J = Two-Piece Mounting Plate

##### Manuals:

- 16574451
- 16576951
- 16575151






































##### Accessories:

- Torque arms, see page 180
- Cables, see page 47
- Smart socket trays, see page 48
- Mounting flanges, see page 47
- Extended lever, see page 47
- ICD & M controllers, see page 39
- Hanger accessories, see page 47
- Spindle accessories, see page 183

Spindle Length: Tenth Digit QE8ST230F( )

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QE4 INLINE</b>							
QE4ST010B20Q04	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	0" (0)
QE4ST010B20S04	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	0" (0)
QE4ST010B20S06	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8"	0" (0)
QE4ST010B21Q04	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	1.50" (38)
QE4ST010B21S04	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	1.50" (38)
QE4ST010B21S06	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8"	1.50" (38)
QE4ST010B21S08	0.75 – 7.4 (1 – 10)	1,820	2.65 (1.2)	16" (406)	0.95" (24.25)	1/2"	1.50" (38)
QE4ST010B41Q04	0.75 – 7.4 (1 – 10)	1,820	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4"	1.50" (38)
QE4ST010B41S04	0.75 – 7.4 (1 – 10)	1,820	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4"	1.50" (38)
QE4ST010B41S06	0.75 – 7.4 (1 – 10)	1,820	2.87 (1.3)	18" (457)	0.95" (24.25)	3/8"	1.50" (38)
QE4ST010B41S08	0.75 – 7.4 (1 – 10)	1,820	2.87 (1.3)	18" (457)	0.95" (24.25)	1/2"	1.50" (38)
QE4ST015B20Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	0" (0)
QE4ST015B20S04	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4"	0" (0)
QE4ST015B20S06	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8"	0" (0)






							
Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>QC</b> QE4 INLINE (CONTINUED)							
QE4ST015B21Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST015B21S04	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST015B21S06	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST015B21S08	1.1 – 11.0 (1.5 – 15)	1,220	2.65 (1.2)	16" (406)	0.95" (24.25)	1/2" 	1.50" (38)
QE4ST015B41Q04	1.1 – 11.0 (1.5 – 15)	1,220	2.87 (1.3)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST015B41S04	1.1 – 11.0 (1.5 – 15)	1,220	2.87 (1.3)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST015B41S06	1.1 – 11.0 (1.5 – 15)	1,220	2.87 (1.3)	16" (406)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST015B41S08	1.1 – 11.0 (1.5 – 15)	1,220	2.87 (1.3)	16" (406)	0.95" (24.25)	1/2" 	1.50" (38)
QE4ST020B20Q04	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	0" (0)
QE4ST020B20S04	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	0" (0)
QE4ST020B20S06	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8" 	0" (0)
QE4ST020B21Q04	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST020B21S04	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST020B21S06	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST020B21S08	1.5 – 14.7 (2 – 20)	900	2.65 (1.2)	16" (406)	0.95" (24.25)	1/2" 	1.50" (38)
QE4ST020B41Q04	1.5 – 14.7 (2 – 20)	900	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST020B41S04	1.5 – 14.7 (2 – 20)	900	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST020B41S06	1.5 – 14.7 (2 – 20)	900	2.87 (1.3)	18" (457)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST020B41S08	1.5 – 14.7 (2 – 20)	900	2.87 (1.3)	18" (457)	0.95" (24.25)	1/2" 	1.50" (38)
QE4ST025B20Q04	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	0" (0)
QE4ST025B20S04	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	0" (0)
QE4ST025B20S06	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8" 	0" (0)
QE4ST025B21Q04	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST025B21S04	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST025B21S06	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST025B21S08	1.8 – 18.3 (2.5 – 25)	710	2.65 (1.2)	16" (406)	0.95" (24.25)	1/2" 	1.50" (38)
QE4ST025B41Q04	1.8 – 18.3 (2.5 – 25)	710	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST025B41S04	1.8 – 18.3 (2.5 – 25)	710	2.87 (1.3)	18" (457)	0.95" (24.25)	1/4" 	1.50" (38)
QE4ST025B41S06	1.8 – 18.3 (2.5 – 25)	710	2.87 (1.3)	18" (457)	0.95" (24.25)	3/8" 	1.50" (38)
QE4ST025B41S08	1.8 – 18.3 (2.5 – 25)	710	2.87 (1.3)	18" (457)	0.95" (24.25)	1/2" 	1.50" (38)








# DC Electric Nutrunners

Inline



Manuals:

-  16574469
-  16576951
-  16575169
























							
Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QE6 INLINE</b>							
QE6ST020F41S06	1.5 – 14.7 (2 – 20)	1,840	4.63 (2.1)	19.72" (501)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST020F41S08	1.5 – 14.7 (2 – 20)	1,840	4.63 (2.1)	19.72" (501)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST020F61S06	1.5 – 14.7 (2 – 20)	1,840	4.85 (2.2)	21.42" (544)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST020F61S08	1.5 – 14.7 (2 – 20)	1,840	4.85 (2.2)	21.42" (544)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST020F81S06	1.5 – 14.7 (2 – 20)	1,840	5.07 (2.3)	23.39" (594)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST020F81S08	1.5 – 14.7 (2 – 20)	1,840	5.07 (2.3)	23.39" (594)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST028F41S06	2.0 – 20 (2.8 – 28)	1,360	4.63 (2.1)	19.72" (501)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST028F41S08	2.0 – 20 (2.8 – 28)	1,360	4.63 (2.1)	19.72" (501)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST028F61S06	2.0 – 20 (2.8 – 28)	1,360	4.85 (2.2)	21.42" (544)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST028F61S08	2.0 – 20 (2.8 – 28)	1,360	4.85 (2.2)	21.42" (544)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST028F81S06	2.0 – 20 (2.8 – 28)	1,360	5.07 (2.3)	23.39" (594)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST028F81S08	2.0 – 20 (2.8 – 28)	1,360	5.07 (2.3)	23.39" (594)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST033F41S06	2.4 – 24 (3.3 – 33)	1,130	4.63 (2.1)	19.72" (501)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST033F41S08	2.4 – 24 (3.3 – 33)	1,130	4.63 (2.1)	19.72" (501)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST033F61S06	2.4 – 24 (3.3 – 33)	1,130	4.85 (2.2)	21.42" (544)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST033F61S08	2.4 – 24 (3.3 – 33)	1,130	4.85 (2.2)	21.42" (544)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST033F81S06	2.4 – 24 (3.3 – 33)	1,130	5.07 (2.3)	23.39" (594)	1.08" (27.35)	3/8" □	1.50" (38)
QE6ST033F81S08	2.4 – 24 (3.3 – 33)	1,130	5.07 (2.3)	23.39" (594)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST050F41S08	3.7 – 36.75 (5.0 – 50)	760	4.63 (2.1)	19.72" (501)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST050F61S08	3.7 – 36.75 (5.0 – 50)	760	4.85 (2.2)	21.42" (544)	1.08" (27.35)	1/2" □	1.50" (38)
QE6ST050F81S08	3.7 – 36.75 (5.0 – 50)	760	5.07 (2.3)	21.42" (544)	1.08" (27.35)	1/2" □	1.50" (38)





Manuals:

-  16574477
-  04580973
-  16576951
-  16575177

							
Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>CC QE8 INLINE</b>							
QE8ST055F41S08	4 – 40 (5.5 – 55)	1,470	6.61 (3)	21.97" (558)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST055F61S08	4 – 40 (5.5 – 55)	1,470	6.61 (3)	23.94" (608)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST055F81S08	4 – 40 (5.5 – 55)	1,470	6.61 (3)	25.95" (659)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST070F41S08	5.1 – 51 (7.0 – 70)	1,160	6.61 (3)	21.97" (558)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST070F61S08	5.1 – 51 (7.0 – 70)	1,160	6.61 (3)	23.94" (608)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST070F81S08	5.1 – 51 (7.0 – 70)	1,160	6.61 (3)	25.95" (659)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST090F41S08	6.6 – 66 (9.0 – 90)	900	6.61 (3)	21.97" (558)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST090F61S08	6.6 – 66 (9.0 – 90)	900	6.61 (3)	23.94" (608)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST090F81S08	6.6 – 66 (9.0 – 90)	900	6.61 (3)	25.95" (659)	1.19" (30.25)	1/2" 	1.50" (38)
QE8ST150F41S08	11 – 110 (15 – 150)	500	7.5 (3.4)	23.31" (592)	1.20" (30.55)	1/2" 	1.50" (38)
QE8ST150F61S08	11 – 110 (15 – 150)	500	7.5 (3.4)	25.32" (643)	1.20" (30.55)	1/2" 	1.50" (38)
QE8ST150F81S08	11 – 110 (15 – 150)	500	7.5 (3.4)	27.33" (694)	1.20" (30.55)	1/2" 	1.50" (38)
QE8ST230F62S12	17 – 169 (23 – 230)	340	12.13 (5.5)	28.23" (717)	1.43" (36.20)	3/4" 	1.97" (50)
QE8ST230F82S12	17 – 169 (23 – 230)	340	12.13 (5.5)	30.24" (768)	1.43" (36.20)	3/4" 	1.97" (50)
QE8ST230F02S12	17 – 169 (23 – 230)	340	12.13 (5.5)	32.25" (819)	1.43" (36.20)	3/4" 	1.97" (50)
QE8ST230F22S12	17 – 169 (23 – 230)	340	12.13 (5.5)	34.25" (870)	1.43" (36.20)	3/4" 	1.97" (50)

## DC Electric Nutrunners

Inline Offset



### QE Series Inline Offsets

*Delivers all the benefits of the standard QE Series Inline tool, and satisfies tight clearance requirements with an integral offset spindle. Non-contacting switches, heavy-duty gear train, and DC brushless motor create a durable package that will keep the line running smoothly and maintenance costs down.*



QE6ZC020P52S06

#### Features

- Torque Range: 1.5 – 110 ft-lbs (2.0 – 150 Nm)
- Speeds: Adjustable to 1,840 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and data and process communications
- Compact, high-speed, easily accessible controls
- Bright LEDs provide visible status indicators
- High-temperature motor protection
- Preventive maintenance alerts

#### Service and Accessories

##### Factory Direct Options for QE6 and QE8

Activation: Fifth Digit QE8Z( )  
 T = Trigger  
 L = Lever  
 E = Extended Lever  
 C = Machine Start

##### Manuals:

- 16574469
- (Offset) P7780
- 16576951
- 16575169

##### Accessories:

Torque tubes, see page 182  
 Cables, see page 47  
 Smart socket trays, see page 48  
 Socket pins, see page 48  
 ICD & M controllers, see page 39

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QE6 OFFSET</b>							
QE6ZC020P42S06	1.5 – 14.7 (2 – 20)	1,840	5.51 (2.5)	26.14" (664)	0.69" (17.5)	3/8" □	1.97" (50)
QE6ZC020P52S06	1.5 – 14.7 (2 – 20)	1,840	5.51 (2.5)	25.47" (647)	0.69" (17.5)	3/8" □	1.97" (50)
QE6ZC028P52S06	2.0 – 20 (3 – 28)	1,360	5.51 (2.5)	25.47" (647)	0.69" (17.5)	3/8" □	1.97" (50)
QE6ZC033P52S06	2.4 – 24 (3.3 – 33)	1,130	5.51 (2.5)	25.47" (647)	0.69" (17.5)	3/8" □	1.97" (50)
QE6ZC050P52S06	3.7 – 36.75 (5 – 50)	760	5.51 (2.5)	25.47" (647)	0.69" (17.5)	3/8" □	1.97" (50)

# DC Electric Nutrunners

## Offset



**Manuals:**

- 16574477      (Offset) P7781
- (Hi-Torque) 04580973      16576951
- (Offset 055) P7780      16575177

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QES OFFSET</b>							
QE8ZC055F52S06	4 – 40 (5.5 – 55)	1,470	6.61 (3.0)	28.46" (723)	0.69" (17.5)	3/8" □	1.97" (50)
QE8ZC070F02S08	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	34.96" (888)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC070F02S12	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	34.96" (888)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC070F22S08	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	36.97" (939)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC070F22S12	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	36.97" (939)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC070F62S08	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	30.94" (786)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC070F62S12	5.2 – 52 (7 – 70)	1,470	6.61 (3.0)	30.94" (786)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC070F82S08	4 – 40 (5.5 – 55)	1,470	6.61 (3.0)	32.95" (837)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC070F82S12	4 – 40 (5.5 – 55)	1,470	6.61 (3.0)	32.95" (837)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC090F02S08	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	34.96" (888)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC090F02S12	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	34.96" (888)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC090F22S08	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	36.97" (939)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC090F22S12	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	36.97" (939)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC090F62S08	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	30.94" (786)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC090F62S12	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	30.94" (786)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC090F82S08	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	32.95" (837)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC090F82S12	6.6 – 66 (9.0 – 90)	900	8.82 (4.0)	32.95" (837)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC150F02S08	11 – 110 (15 – 150)	500	8.82 (4.0)	34.96" (888)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC150F02S12	11 – 110 (15 – 150)	500	8.82 (4.0)	34.96" (888)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC150F22S08	11 – 110 (15 – 150)	500	8.82 (4.0)	36.97" (939)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC150F22S12	11 – 110 (15 – 150)	500	8.82 (4.0)	36.97" (939)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC150F62S08	11 – 110 (15 – 150)	500	8.82 (4.0)	30.94" (786)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC150F62S12	11 – 110 (15 – 150)	500	8.82 (4.0)	30.94" (786)	0.88" (22.35)	3/4" □	1.97" (50)
QE8ZC150F82S08	11 – 110 (15 – 150)	500	8.82 (4.0)	32.95" (837)	0.88" (22.35)	1/2" □	1.97" (50)
QE8ZC150F82S12	11 – 110 (15 – 150)	500	8.82 (4.0)	32.95" (837)	0.88" (22.35)	3/4" □	1.97" (50)

# DC Electric Nutrunners

Angle



## QE Series Angles

A proven world-class combination — QE tools and IC Series controllers team up to provide superior accuracy and durability and meet your critical fastening requirements. The non-contacting switches, heavy-duty gear train, and DC brushless motor create a durable package, while the compact, ergonomic design and easily accessible controls help operators keep production lines running smoothly.



QE4AT020PA2S06

### Features

- Torque Range: 1 – 294 ft-lbs (1.3 – 400 Nm)
- Speeds: Adjustable to 1230 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and data and process communications
- TactAlert provides positive feedback to the operator without distracting from the task
- Compact, high-speed, easily accessible controls
- Easy-to-use reverse ring
- Bright LEDs provide visible status indicators
- Comfortable ergonomic grip
- High-temperature motor protection
- Preventive maintenance alerts

### Service and Accessories

#### Factory Direct Options for QE4, QE6 and QE8

Activation: Fifth Digit QE8A( )  
**T** = Trigger  
**L** = Lever  
**E** = Extended Lever  
**C** = Machine Start

Mounting: Ninth Digit QE8AT150( )  
**P** = No Mount\*  
**F** = Flanged Mount\*\*  
**R** = Reaction Bar Kit\*  
**B** = Flange Mount Kit\*  
**J** = Two-Piece Mounting Plate

\* Not available on 225 or 400 Nm tools  
 \*\* Not available on QE4

#### Manuals:

- 16574451
- 16576951
- 16574451

#### Accessories:

- Torque arms, see page 180
- Torque tubes, see page 182
- Cables, see page 47
- Swivel hangers, see page 47
- Suspension bails, see page 47
- Smart socket trays, see page 48
- Quick-change socket pins, see page 48
- Mounting flanges, see page 47
- Extended lever, see page 47
- ICD & M controllers, see page 39

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in
<b>DC QE4 ANGLE</b>						
QE4AT013PA2H04	1 – 9.5 (1.3 – 13)	1,200	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT013PA2Q04	1 – 9.5 (1.3 – 13)	1,200	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT013PA2S04	1 – 9.5 (1.3 – 13)	1,200	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT013PA2S06	1 – 9.5 (1.3 – 13)	1,200	2.87 (1.3)	15.08" (383)	0.51" (12.9)	3/8"
QE4AT020PA2H04	1.5 – 14.7 (2 – 20)	820	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT020PA2Q04	1.5 – 14.7 (2 – 20)	820	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT020PA2S04	1.5 – 14.7 (2 – 20)	820	2.87 (1.3)	15.08" (383)	0.51" (12.9)	1/4"
QE4AT020PA2S06	1.5 – 14.7 (2 – 20)	820	2.87 (1.3)	15.08" (383)	0.51" (12.9)	3/8"
QE4AT027PA4S06	2 – 19.8 (2.7 – 27)	600	2.87 (1.3)	15.24" (387)	0.67" (17.0)	3/8"
QE4AT027PA4S08	2 – 19.8 (2.7 – 27)	600	2.87 (1.3)	15.24" (387)	0.67" (17.0)	1/2"
QE4AT034PA4S06	2.5 – 25 (3.4 – 34)	470	2.87 (1.3)	15.24" (387)	0.67" (17.0)	3/8"
QE4AT034PA4S08	2.5 – 25 (3.4 – 34)	470	2.87 (1.3)	15.24" (387)	0.67" (17.0)	1/2"



Manuals:

- 16574469 QE6 Series
- 16576951
- 16575169

- 16574477 QE8 Series
- 04580973
- 16576951
- 16575177



QE6AT030PA4S06



QE8AT150PA6S08

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in
<b>DC QE6 ANGLE</b>						
QE6AT030PA2S06	2.2 – 22 (3 – 30)	1,230	4.19 (1.9)	17.40" (442)	0.50" (12.8)	3/8"
QE6AT030PA4S06	2.2 – 22 (3 – 30)	1,230	4.19 (1.9)	17.60" (447)	0.67" (17.0)	3/8"
QE6AT030PA4S08	2.2 – 22 (3 – 30)	1,230	4.19 (1.9)	17.60" (447)	0.67" (17.0)	1/2"
QE6AT040PA4S06	3 – 29.4 (4 – 40)	910	4.19 (1.9)	17.60" (447)	0.67" (17.0)	3/8"
QE6AT040PA4S08	3 – 29.4 (4 – 40)	910	4.19 (1.9)	17.60" (447)	0.67" (17.0)	1/2"
QE6AT055PA5S08	4 – 40 (5.5 – 55)	650	4.41 (2.0)	17.80" (452)	0.84" (21.4)	1/2"
QE6AT080PA5S08	5.9 – 58.8 (8 – 80)	440	4.41 (2.0)	17.80" (452)	0.84" (21.4)	1/2"
<b>DC QE8 ANGLE</b>						
QE8AT065FA5S08	4.8 – 47.8 (6.5 – 65)	1,200	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT065PA5S08	4.8 – 47.8 (6.5 – 65)	1,200	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT065FA6S08	4.8 – 47.8 (6.5 – 65)	1,200	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT065PA6S08	4.8 – 47.8 (6.5 – 65)	1,200	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT070FA5S08	5.1 – 51 (7.0 – 70)	1,100	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT070PA5S08	5.1 – 51 (7.0 – 70)	1,100	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT070FA6S08	5.1 – 51 (7.0 – 70)	1,100	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT070PA6S08	5.1 – 51 (7.0 – 70)	1,100	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT090FA5S08	6.6 – 66 (9.0 – 90)	850	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT090PA5S08	6.6 – 66 (9.0 – 90)	850	6.39 (2.9)	20.28" (515)	0.84" (21.4)	1/2"
QE8AT090FA6S08	6.6 – 66 (9.0 – 90)	850	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT090PA6S08	6.6 – 66 (9.0 – 90)	850	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT115FA6S08	8.5 – 84.5 (11.5 – 115)	660	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT115PA6S08	8.5 – 84.5 (11.5 – 115)	660	6.61 (3.0)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT150FA6S08	11 – 110 (15 – 150)	510	6.83 (3.1)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT150PA6S08	11 – 110 (15 – 150)	510	6.83 (3.1)	20.47" (520)	0.96" (24.3)	1/2"
QE8AT225FA7S12	16.5 – 165 (22.5 – 225)	310	9.04 (4.1)	22.68" (576)	1.19" (30.15)	3/4"
QE8AT225PA7S12	16.5 – 165 (22.5 – 225)	310	9.04 (4.1)	22.68" (576)	1.19" (30.15)	3/4"
QE8AT400FA8S12	29 – 294 (40 – 400)	170	13.23 (6.0)	25.08" (637)	1.40" (35.6)	3/4"





## DC Electric Fixtured Spindles

### Torque Selection Guide

Inline

Model	0	20 Nm	40 Nm	60 Nm	80 Nm	100 Nm	250 Nm	500 Nm	1000 Nm	1500 Nm	2000 Nm	2500 Nm	Referral page
QM3SS008...	█												31
QM3SS012...	█	█											31
QM3SS016...	█	█	█										31
QM3SS020...	█	█	█	█									31
QM5SS035...	█	█	█	█	█								32
QM5SS055...	█	█	█	█	█	█							32
QM5SS090...	█	█	█	█	█	█	█						32
QM7SS190...	█	█	█	█	█	█	█	█					32
QM7SS220...	█	█	█	█	█	█	█	█	█				32
QM9SS315...	█	█	█	█	█	█	█	█	█	█			33
QM9SS435...	█	█	█	█	█	█	█	█	█	█	█		33
QM9SS520...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS650...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS01K...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS15C...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS18C...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS20C...	█	█	█	█	█	█	█	█	█	█	█	█	33
QM9SS22C...	█	█	█	█	█	█	█	█	█	█	█	█	33

Inline Offset

Model	0	50 Nm	100 Nm	150 Nm	200 Nm	250 Nm	300 Nm	350 Nm	400 Nm	450 Nm	Referral page
QM5ZS035...	█	█									34
QM5ZS050...	█	█	█								34
QM7ZS150...	█	█	█	█							34
QM9ZS315...	█	█	█	█	█	█					35
QM9ZS435...	█	█	█	█	█	█	█	█			35
QM9ZS450...	█	█	█	█	█	█	█	█	█	█	35



# DC Electric Fixtured Spindles



## QM Series Inline

Heavy-duty motors offer high accuracy and control over your fastening application. Whether used in single spindle or multiple spindle configurations, these world-class tools provide top-quality performance and long life.



QM3SS008H...

### Features

- Torque range: 0.59 – 1617 ft-lbs (0.8 – 2200 Nm)
- Speeds: Adjustable to 1382 rpm
- Better than 5 percent capability
- High-duty cycle motors and components provide excellent durability
- External electronics pod simplifies integration
- Available with or without spindles in a variety of length and drive options

Body style specified in fourth digit: ex, QM3( )S008H62S06  
 S = Motor with spindle, M = Motor without spindle

Spindle spring tension specified in ninth digit: ex, QM3SS008( )62S06  
 H = Heavy spring, L = Light spring, S = Solid, non-floating

Standard spindle float is 2" (50 mm)

Models specified in the table below have spindles with heavy spindle springs

### Manuals:

- 04581310
- 04581278
- 04581351

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QM3 INLINE</b>							
QM3SS008H62S06	0.59 – 5.9 (0.8 – 8)	1382	5.3 (2.4)	17.7" (449)	0.67" (17.0)	3/8" □	6" (150)
QM3SS008H62S08	0.59 – 5.9 (0.8 – 8)	1382	5.3 (2.4)	17.7" (449)	0.67" (17.0)	1/2" □	6" (150)
QM3SS008H92S06	0.59 – 5.9 (0.8 – 8)	1382	5.6 (2.4)	20.6" (524)	0.67" (17.0)	3/8" □	9" (225)
QM3SS008H92S08	0.59 – 5.9 (0.8 – 8)	1382	5.6 (2.4)	20.6" (524)	0.67" (17.0)	1/2" □	9" (225)
QM3SS008H22S06	0.59 – 5.9 (0.8 – 8)	1382	5.9 (2.7)	23.6" (599)	0.67" (17.0)	3/8" □	12" (300)
QM3SS008H22S08	0.59 – 5.9 (0.8 – 8)	1382	5.9 (2.7)	23.6" (599)	0.67" (17.0)	1/2" □	12" (300)
QM3SS012H62S06	0.9 – 8.8 (1.2 – 12)	927	5.3 (2.4)	17.7" (449)	0.67" (17.0)	3/8" □	6" (150)
QM3SS012H62S08	0.9 – 8.8 (1.2 – 12)	927	5.3 (2.4)	17.7" (449)	0.67" (17.0)	1/2" □	6" (150)
QM3SS012H92S06	0.9 – 8.8 (1.2 – 12)	927	5.6 (2.5)	20.6" (524)	0.67" (17.0)	3/8" □	9" (225)
QM3SS012H92S08	0.9 – 8.8 (1.2 – 12)	927	5.6 (2.5)	20.6" (524)	0.67" (17.0)	1/2" □	9" (225)
QM3SS012H22S06	0.9 – 8.8 (1.2 – 12)	927	5.9 (2.7)	23.6" (599)	0.67" (17.0)	3/8" □	12" (300)
QM3SS012H22S08	0.9 – 8.8 (1.2 – 12)	927	5.9 (2.7)	23.6" (599)	0.67" (17.0)	1/2" □	12" (300)
QM3SS016H62S06	1.2 – 11.7 (1.6 – 16)	686	5.3 (2.4)	17.7" (449)	0.67" (17.0)	3/8" □	6" (150)
QM3SS016H62S08	1.2 – 11.7 (1.6 – 16)	686	5.3 (2.4)	17.7" (449)	0.67" (17.0)	1/2" □	6" (150)
QM3SS016H92S06	1.2 – 11.7 (1.6 – 16)	686	5.6 (2.5)	20.6" (524)	0.67" (17.0)	3/8" □	9" (225)
QM3SS016H92S08	1.2 – 11.7 (1.6 – 16)	686	5.6 (2.5)	20.6" (524)	0.67" (17.0)	1/2" □	9" (225)
QM3SS016H22S06	1.2 – 11.7 (1.6 – 16)	686	5.9 (2.7)	23.6" (599)	0.67" (17.0)	3/8" □	12" (300)
QM3SS016H22S08	1.2 – 11.7 (1.6 – 16)	686	5.9 (2.7)	23.6" (599)	0.67" (17.0)	1/2" □	12" (300)
QM3SS020H62S06	1.5 – 14.7 (2 – 20)	545	5.3 (2.4)	17.7" (449)	0.67" (17.0)	3/8" □	6" (150)
QM3SS020H62S08	1.5 – 14.7 (2 – 20)	545	5.3 (2.4)	17.7" (449)	0.67" (17.0)	1/2" □	6" (150)
QM3SS020H92S06	1.5 – 14.7 (2 – 20)	545	5.6 (2.5)	20.6" (524)	0.67" (17.0)	3/8" □	9" (225)
QM3SS020H92S08	1.5 – 14.7 (2 – 20)	545	5.6 (2.5)	20.6" (524)	0.67" (17.0)	1/2" □	9" (225)
QM3SS020H22S06	1.5 – 14.7 (2 – 20)	545	5.9 (2.7)	23.6" (599)	0.67" (17.0)	3/8" □	12" (300)
QM3SS020H22S08	1.5 – 14.7 (2 – 20)	545	5.9 (2.7)	23.6" (599)	0.67" (17.0)	1/2" □	12" (300)

## DC Electric Fixtured Spindles



**Manuals:**

- 04581328 QM5 Series
- 04581278
- 04581369

**Manuals:**




- 04581336 QM7 Series
- 04581278
- 04581377



Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QM5 INLINE</b>							
QM5SS035H62S06	2.6 – 25.7 (3.5 – 35)	590	8.6 (3.91)	20.6" (523)	0.87" (22)	3/8" □	6" (150)
QM5SS035H62S08	2.6 – 25.7 (3.5 – 35)	590	8.6 (3.91)	20.6" (523)	0.87" (22)	1/2" □	6" (150)
QM5SS035H92S06	2.6 – 25.7 (3.5 – 35)	590	8.9 (4.05)	23.5" (598)	0.87" (22)	3/8" □	9" (225)
QM5SS035H92S08	2.6 – 25.7 (3.5 – 35)	590	8.9 (4.05)	23.5" (598)	0.87" (22)	1/2" □	9" (225)
QM5SS035H22S06	2.6 – 25.7 (3.5 – 35)	590	9.2 (4.19)	26.5" (673)	0.87" (22)	3/8" □	12" (300)
QM5SS035H22S08	2.6 – 25.7 (3.5 – 35)	590	9.2 (4.19)	26.5" (673)	0.87" (22)	1/2" □	12" (300)
QM5SS055H62S06	4.1 – 40.4 (5.5 – 55)	507	8.6 (3.91)	20.6" (523)	0.87" (22)	3/8" □	6" (150)
QM5SS055H62S08	4.1 – 40.4 (5.5 – 55)	507	8.6 (3.91)	20.6" (523)	0.87" (22)	1/2" □	6" (150)
QM5SS055H92S06	4.1 – 40.4 (5.5 – 55)	507	8.9 (4.05)	23.5" (598)	0.87" (22)	3/8" □	9" (225)
QM5SS055H92S08	4.1 – 40.4 (5.5 – 55)	507	8.9 (4.05)	23.5" (598)	0.87" (22)	1/2" □	9" (225)
QM5SS055H22S06	4.1 – 40.4 (5.5 – 55)	507	9.2 (4.19)	26.5" (673)	0.87" (22)	3/8" □	12" (300)
QM5SS055H22S08	4.1 – 40.4 (5.5 – 55)	507	9.2 (4.19)	26.5" (673)	0.87" (22)	1/2" □	12" (300)
QM5SS090H62S08	6.6 – 66 (9 – 90)	280	8.9 (4.05)	20.6" (523)	0.87" (22)	1/2" □	6" (150)
QM5SS090H92S08	6.6 – 66 (9 – 90)	280	9.2 (4.19)	23.5" (598)	0.87" (22)	1/2" □	9" (225)
QM5SS090H22S08	6.6 – 66 (9 – 90)	280	8.6 (3.91)	26.5" (673)	0.87" (22)	1/2" □	12" (300)
<b>DC QM7 INLINE</b>							
QM7SS190H62S08	14 – 139 (19 – 190)	273	18.5 (8.4)	25.4" (645)	1.38" (35)	1/2" □	6" (150)
QM7SS190H62S12	14 – 139 (19 – 190)	273	18.5 (8.4)	25.4" (645)	1.38" (35)	3/4" □	6" (150)
QM7SS190H92S08	14 – 139 (19 – 190)	273	19.0 (8.63)	28.3" (720)	1.38" (35)	1/2" □	9" (225)
QM7SS190H92S12	14 – 139 (19 – 190)	273	19.1 (8.67)	28.3" (720)	1.38" (35)	3/4" □	9" (225)
QM7SS190H22S08	14 – 139 (19 – 190)	273	19.5 (8.85)	31.3" (794)	1.38" (35)	1/2" □	12" (300)
QM7SS190H22S12	14 – 139 (19 – 190)	273	19.6 (8.89)	31.3" (794)	1.38" (35)	3/4" □	12" (300)
QM7SS220H62S12	16.2 – 161 (22 – 220)	233	18.5 (8.4)	25.4" (645)	1.38" (35)	3/4" □	6" (150)
QM7SS220H92S12	16.2 – 161 (22 – 220)	233	19.1 (8.67)	28.3" (720)	1.38" (35)	3/4" □	9" (225)
QM7SS220H22S12	16.2 – 161 (22 – 220)	233	19.6 (8.89)	31.3" (794)	1.38" (35)	3/4" □	12" (300)






































Manuals:

-  04581344
-  04581278
-  04581385



QM9SS520H...

							
Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QM9 INLINE</b>							
QM9SS315H62S12	24 – 231 (31.5 – 315)	278	41.0 (18.6)	28.0" (711)	1.75" (44.5)	3/4" 	6" (150)
QM9SS315H62S16	24 – 231 (31.5 – 315)	278	41.2 (18.67)	30.9" (786)	1.75" (44.5)	1" 	6" (150)
QM9SS315H92S12	24 – 231 (31.5 – 315)	278	42.1 (19.1)	33.9" (860)	1.75" (44.5)	3/4" 	9" (225)
QM9SS315H92S16	24 – 231 (31.5 – 315)	278	42.3 (19.18)	28.0" (711)	1.75" (44.5)	1" 	9" (225)
QM9SS315H22S12	24 – 231 (31.5 – 315)	278	43.0 (19.52)	30.9" (786)	1.75" (44.5)	3/4" 	12" (300)
QM9SS315H22S16	24 – 231 (31.5 – 315)	278	43.2 (19.61)	33.9" (860)	1.75" (44.5)	1" 	12" (300)
QM9SS435H62S12	32 – 319 (43.5 – 435)	203	41.0 (18.6)	28.0" (711)	1.75" (44.5)	3/4" 	6" (150)
QM9SS435H62S16	32 – 319 (43.5 – 435)	203	41.2 (18.67)	30.9" (786)	1.75" (44.5)	1" 	6" (150)
QM9SS435H92S12	32 – 319 (43.5 – 435)	203	42.1 (19.1)	33.9" (860)	1.75" (44.5)	3/4" 	9" (225)
QM9SS435H92S16	32 – 319 (43.5 – 435)	203	42.3 (19.18)	28.0" (711)	1.75" (44.5)	1" 	9" (225)
QM9SS435H22S12	32 – 319 (43.5 – 435)	203	43.0 (19.52)	30.9" (786)	1.75" (44.5)	3/4" 	12" (300)
QM9SS435H22S16	32 – 319 (43.5 – 435)	203	43.2 (19.61)	33.9" (860)	1.75" (44.5)	1" 	12" (300)
QM9SS520H62S12	38 – 382 (52 – 520)	170	41.0 (18.6)	28.0" (711)	1.75" (44.5)	3/4" 	6" (150)
QM9SS520H62S16	38 – 382 (52 – 520)	170	41.2 (18.67)	30.9" (786)	1.75" (44.5)	1" 	6" (150)
QM9SS520H92S12	38 – 382 (52 – 520)	170	42.1 (19.1)	33.9" (860)	1.75" (44.5)	3/4" 	9" (225)
QM9SS520H92S16	38 – 382 (52 – 520)	170	42.3 (19.18)	28.0" (711)	1.75" (44.5)	1" 	9" (225)
QM9SS520H22S12	38 – 382 (52 – 520)	170	43.0 (19.52)	30.9" (786)	1.75" (44.5)	3/4" 	12" (300)
QM9SS520H22S16	38 – 382 (52 – 520)	170	43.2 (19.61)	33.9" (860)	1.75" (44.5)	1" 	12" (300)
QM9SS650H62S16	48 – 477 (65 – 650)	136	41.2 (18.67)	28.0" (711)	1.75" (44.5)	1" 	6" (150)
QM9SS650H92S16	48 – 477 (65 – 650)	136	42.3 (19.18)	30.9" (786)	1.75" (44.5)	1" 	9" (225)
QM9SS650H22S16	48 – 477 (65 – 650)	136	43.2 (19.61)	33.9" (860)	1.75" (44.5)	1" 	12" (300)
QM9SS01KH22S16	74 – 735 (100 – 1000)	51	54.0 (24.5)	33.7" (857)	2.55" (65)	1" 	6" (150)
QM9SS01KH62S16	74 – 735 (100 – 1000)	51	55.1 (25.0)	36.7" (932)	2.55" (65)	1" 	9" (225)
QM9SS01KH92S16	74 – 735 (100 – 1000)	51	56.0 (25.4)	39.6" (1006)	2.55" (65)	1" 	12" (300)
QM9SS15CH62S24	110 – 1100 (150 – 1500)	51	70.6 (32.0)	34.2" (869)	2.88" (73)	1-1/2" 	6" (150)
QM9SS18CH62S24	132 – 1323 (180 – 1800)	37	70.6 (32.0)	34.2" (869)	2.88" (73)	1-1/2" 	6" (150)
QM9SS20CH62S24	147 – 1470 (200 – 2000)	31	70.6 (32.0)	34.2" (869)	2.88" (73)	1-1/2" 	6" (150)
QM9SS22CH62S24	162 – 1617 (220 – 2200)	25	70.6 (32.0)	34.2" (869)	2.88" (73)	1-1/2" 	6" (150)

# DC Electric Fixtured Spindles



## QM Series Offset

Heavy-duty motors offer high accuracy and control in tight clearance applications. Whether used in single-spindle or multiple-spindle configurations, these world-class tools provide top-quality performance and long life.

### Features

- Torque range: 2.6 – 330 ft-lbs (3.5 – 450 Nm)
- Speeds: Adjustable to 590 rpm
- Better than 5 percent capability
- High-duty-cycle motors and components provide excellent durability in tight clearance applications
- External electronics pod simplifies integration
- Available in a variety of length and drive options
- Transducer mounted after offset gearbox

Spindle spring tension specified in ninth digit: ex, QM3ZS008( )62S06

**H** = Heavy spring, **L** = Light spring,  
**S** = Solid, non-floating

Standard spindle float is 2" (50 mm)

Models specified in the table below have spindles with heavy spindle springs

### Manuals:

- 04581328 QM5 Series
- 04581278
- 04581369
- 04581336 QM7 Series
- 04581278
- 04581377

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QM5 OFFSET</b>							
QM5ZS035H62S06	2.6 – 25.7 (3.5 – 35)	590	11.18 (5.07)	23" (591)	0.69" (17.5)	3/8" □	6" (150)
QM5ZS035H62S08	2.6 – 25.7 (3.5 – 35)	590	11.20 (5.08)	23" (591)	0.69" (17.5)	1/2" □	6" (150)
QM5ZS035H92S06	2.6 – 25.7 (3.5 – 35)	590	11.49 (5.21)	26" (666)	0.69" (17.5)	3/8" □	9" (225)
QM5ZS035H92S08	2.6 – 25.7 (3.5 – 35)	590	11.51 (5.22)	26" (666)	0.69" (17.5)	1/2" □	9" (225)
QM5ZS035H22S06	2.6 – 25.7 (3.5 – 35)	590	11.80 (5.35)	29" (741)	0.69" (17.5)	3/8" □	12" (300)
QM5ZS035H22S08	2.6 – 25.7 (3.5 – 35)	590	11.82 (5.36)	29" (741)	0.69" (17.5)	1/2" □	12" (300)
QM5ZS050H62S06	3.7 – 36.7 (5 – 50)	507	11.18 (5.07)	23" (591)	0.69" (17.5)	3/8" □	6" (150)
QM5ZS050H62S08	3.7 – 36.7 (5 – 50)	507	11.20 (5.08)	23" (591)	0.69" (17.5)	1/2" □	6" (150)
QM5ZS050H92S06	3.7 – 36.7 (5 – 50)	507	11.49 (5.21)	26" (666)	0.69" (17.5)	3/8" □	9" (225)
QM5ZS050H92S08	3.7 – 36.7 (5 – 50)	507	11.51 (5.22)	26" (666)	0.69" (17.5)	1/2" □	9" (225)
QM5ZS050H22S06	3.7 – 36.7 (5 – 50)	507	11.80 (5.35)	29" (741)	0.69" (17.5)	3/8" □	12" (300)
QM5ZS050H22S08	3.7 – 36.7 (5 – 50)	507	11.82 (5.36)	29" (741)	0.69" (17.5)	1/2" □	12" (300)
<b>DC QM7 OFFSET</b>							
QM7ZS150H62S08	11 – 110 (15 – 150)	273	25.58 (11.60)	29" (749)	0.87" (22.0)	3/8" □	6" (150)
QM7ZS150H92S08	11 – 110 (15 – 150)	273	26.02 (11.80)	32" (824)	0.87" (22.0)	3/8" □	9" (225)
QM7ZS150H22S08	11 – 110 (15 – 150)	273	26.56 (12.50)	35" (898)	0.87" (22.0)	3/8" □	12" (300)
QM7ZS150H62S12	11 – 110 (15 – 150)	273	25.67 (11.64)	29" (749)	0.87" (22.0)	1/2" □	6" (150)
QM7ZS150H92S12	11 – 110 (15 – 150)	273	26.17 (11.87)	32" (824)	0.87" (22.0)	1/2" □	9" (225)
QM7ZS150H22S12	11 – 110 (15 – 150)	273	26.66 (12.09)	35" (898)	0.87" (22.0)	1/2" □	12" (300)





Manuals:

- 04581344
- 04581278
- 04581358

Model	ft-lbs (Nm)	rpm	lbs (kg)	in (mm)	in (mm)	in	in (mm)
<b>DC QM9 OFFSET</b>							
QM9ZS315H62S12	24 – 231 (31.5 – 315)	278	54.24 (24.6)	33" (831)	1.24" (31.5)	3/4" □	6" (150)
QM9ZS315H92S12	24 – 231 (31.5 – 315)	278	55.35 (25.1)	36" (906)	1.24" (31.5)	3/4" □	9" (225)
QM9ZS315H22S12	24 – 231 (31.5 – 315)	278	56.45 (25.6)	39" (980)	1.24" (31.5)	3/4" □	12" (300)
QM9ZS315H62S16	24 – 231 (31.5 – 315)	278	54.40 (24.7)	33" (831)	1.24" (31.5)	1" □	6" (150)
QM9ZS315H92S16	24 – 231 (31.5 – 315)	278	55.52 (25.2)	36" (906)	1.24" (31.5)	1" □	9" (225)
QM9ZS315H22S16	24 – 231 (31.5 – 315)	278	56.27 (25.5)	39" (980)	1.24" (31.5)	1" □	12" (300)
QM9ZS435H62S12	32 – 319 (43.5 – 435)	203	54.24 (24.6)	33" (831)	1.24" (31.5)	3/4" □	6" (150)
QM9ZS435H92S12	32 – 319 (43.5 – 435)	203	55.35 (25.1)	36" (906)	1.24" (31.5)	3/4" □	9" (225)
QM9ZS435H22S12	32 – 319 (43.5 – 435)	203	56.45 (25.6)	39" (980)	1.24" (31.5)	3/4" □	12" (300)
QM9ZS435H62S16	32 – 319 (43.5 – 435)	203	54.40 (24.7)	33" (831)	1.24" (31.5)	1" □	6" (150)
QM9ZS435H92S16	32 – 319 (43.5 – 435)	203	55.52 (25.2)	36" (906)	1.24" (31.5)	1" □	9" (225)
QM9ZS435H22S16	32 – 319 (43.5 – 435)	203	56.27 (25.5)	39" (980)	1.24" (31.5)	1" □	12" (300)
QM9ZS450H62S12	33 – 330 (45 – 450)	170	54.24 (24.6)	33" (831)	1.24" (31.5)	3/4" □	6" (150)
QM9ZS450H92S12	33 – 330 (45 – 450)	170	55.35 (25.1)	36" (906)	1.24" (31.5)	3/4" □	9" (225)
QM9ZS450H22S12	33 – 330 (45 – 450)	170	56.45 (25.6)	39" (980)	1.24" (31.5)	3/4" □	12" (300)
QM9ZS450H62S16	33 – 330 (45 – 450)	170	54.40 (24.7)	33" (831)	1.24" (31.5)	1" □	6" (150)
QM9ZS450H92S16	33 – 330 (45 – 450)	170	55.52 (25.2)	36" (906)	1.24" (31.5)	1" □	9" (225)
QM9ZS450H22S16	33 – 330 (45 – 450)	170	56.27 (25.5)	39" (980)	1.24" (31.5)	1" □	12" (300)

## Fixtured Fastening Systems

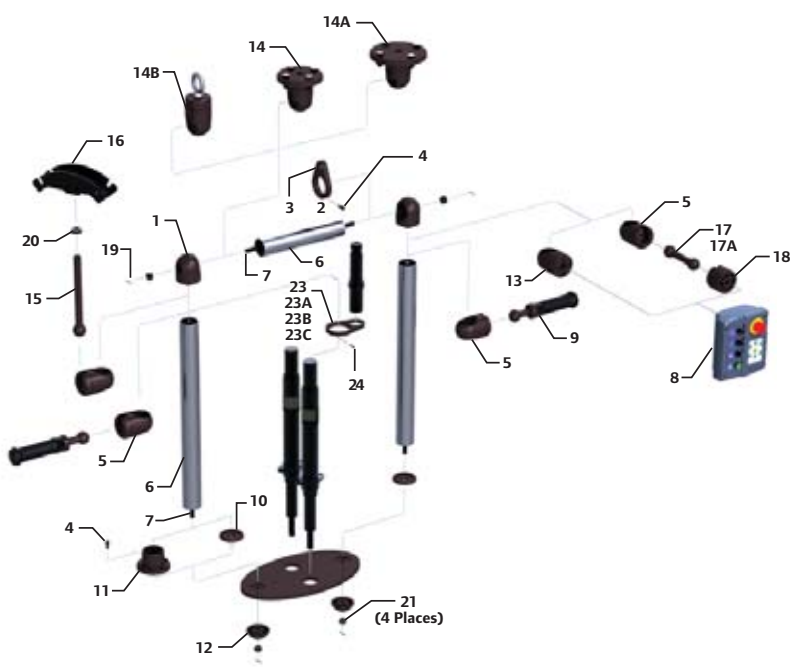
Quick Multiples

### Fixtures

Modular designs provide easy customization of open-or closed-frame vertical, horizontal, and horizontal rotating Quick Multiple fixtures for DC electric and air spindles.

#### Features

- Pre-engineered modular designs provide quick quoting, configuration, and delivery
- Systems combine world-class portfolio of tools, controllers, handling devices, and fixtures to deliver superior ergonomics, reduced cycle times, more even clamp loads, and exceptional durability
- Fully configurable interface and handle options for optimal ergonomics
- Up to six DC electric or air spindles per system
- Multiple suspension and torque reaction options include: balancers, torque tubes, articulating arms, jib cranes, or pneumatic suspensions



Item	Description	Part Number
------	-------------	-------------

QUICK MULTIPLE FIXTURES		
1	Tube elbow joint	QMM-712
2	Redundant eye assembly	QMM-A463
3	Redundant eye	QMM-463-2
4	Cap head screw (M6 x 1 x 6)	QMM-F1-638
5	Tube holder assembly	QMM-A30
6	Tube – standard 1 M	QMM-809-1M
7	Tie rod – standard 1 M	QMM-763-1M
8	Operator interface	(See page 38)
9	Handle	(See page 38)
10	Tube bracket vertical	QMMV-601
11	Tube bracket horizontal	QMM-601
12	Spherical washer	QMM-248
13	Interface mount assembly	QMML-A763
14	Suspension joint – 100 Nm	QMM-TA
14A	Suspension joint – 500 Nm	QMM-TAA
14B	Suspension joint – eye bolt	QMM-T
15	Ball end shaft	QMM-221-763
16	Cable tray	QMM-221
17	Ball to ball shaft – short	QMM-696-100
17A	Ball to ball shaft – long	QMM-696-200
18	Flat / tube holder assembly	QMM-A208
19	Cotter pin	QMM-15
20	Lock nut	QMM-582
21	Hex nut (M12 x 1.75)	QMM-H1-638
22	QMM warning label	QMM-99
22A	QMM branding label	QMM-301
23	POD mount bracket – tube	QMM-765-T
23A	POD mount bracket – QM9	QMM-765-9
23B	POD mount bracket – QM7	QMM-765-7
23C	POD mount bracket – QM5	QMM-765-5
24	Cap head screw (M3 x 0.5 x 16)	QMM-765-638
25	Retractable safety strap	QMM-298
26	Custom mounting plate	-



### Service and Accessories

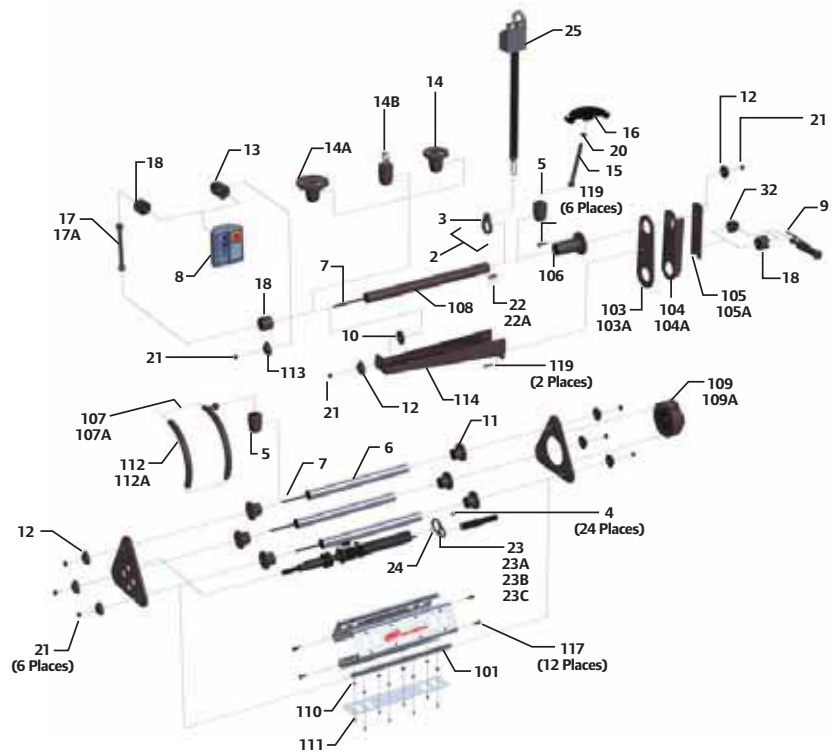
**Manuals:**

- 16607228
- 16607103

**Accessories:**

- QTA torque arms, see page 180
- Torque tubes, see form #MHD55226
- Balancers, see page 177
- Light tower, IC-LIGHT-TOWER
- Retractable safety strap, QMM-298
- Palm button reset, IC-PALM-RESET

Item	Description	Part Number
<b>QUICK MULTIPLE FIXTURES</b>		
31	Eye bolt (M12 x 1.75)	QMM-34
32	Plate holder assembly	QMM-A293
101	Corner spacer – 1 meter	QMM-93-1M
103	Back plate – small	QMMR-28C
103A	Back plate – large	QMMR-28
104	Back plate rib – small	QMMR-767C
104A	Back plate rib – large	QMMR-767
105	Back plate – small	QMMR-756C
105A	Back plate – large	QMMR-756
106	Suspension tube bracket	QMM-602
107	Circular handle – small	QMMR-A48C
107A	Circular handle – large	QMMR-A48
108	Suspension tube – 1 M	QMM-810-1M
109	Small bearing assembly	QMMR-A24C
109A	Large bearing assembly	QMMR-A24
110	Channel nut (M6)	QMMR-305
111	Button head screw (M6)	QMMR-638
112	Grip – circular handle – small	QMMR-144GC
112A	Grip – circular handle – large	QMMR-144G
113	Tube end cap	QMM-202
114	Suspension support	QMMR-766
116	Cap head screw (M8 x 1.25 x 25)	QMM-T6-638
117	Cap head screw (M10 x 1.5 x 25)	QMM-F8-638
119	Cap head screw (M10 x 1.5 x 35)	QMM-F10-638
231	Cap head screw (M8 x 1.25 x 20)	QMM-T63-638



# DC Electric Fixtured Fastening Systems

Multiples

## Handle & Operator Interface

Modular designs provide optimal flexibility in selecting the exact operator interfaces that you need for your Fixtured Fastening Systems.

### Features

- Designed to provide maximum flexibility: components can be panel, tube, or ball-joint mounted
- 18 handle configurations include options for trigger, slide switch, or pneumatic actuation with ball, flange or direct mount for optimal positioning
- Operator interface enclosures come standard with PCB, E-stop, whip cable, and configurable LED display that shows individual and master OK/NOK signals for up to six spindles, organized to match the bolt pattern. Four open positions provide space for selection from six interface options to enhance control and signaling



### Service and Accessories

#### Kits:

Standard Interface, QMML-A424-KIT

#### Interface Options:

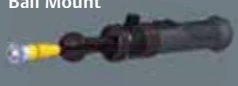
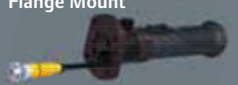
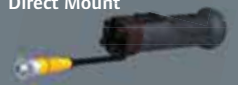
	Style 1 (Idec®)	Style 2 (Telemecanique®)
3-Position Switch	QMMC-75-1	QMMC-75-2
2-Position Switch	QMMC-76-1	QMMC-76-2
Push Button	QMMC-77-1	QMMC-77-2
Buzzer	QMMC-78-1	—
Red Pilot Light	QMMC-79-1	QMMC-79-2
Green Pilot Light	QMMC-80-1	QMMC-80-2
3-Position Key Switch	QMMC-81-1	QMMC-81-2

#### Manuals:

- 16607228
- 16607103

#### Accessories:

- Handle extension cable, QMMC-46-2M, QMMC-46-4M, QMMC-46-6M
- Interface extension cables, QMMC-A240-10, QMMC-A240-20
- Powerhead cable, QMMC-A240-2

Configuration	Dead Handle	Trigger Only	Pneumatic Pendant	Slide Switch Only	Slide Switch Type	Slide Switch + Trigger	
						Aligned	Rotated
 Ball Mount	✓ QMMHB	✓ QMMHBT	✓ QMMH-A35	✓ QMMHBD QMMHBM	Detent Momentary	✓ QMMHBTDA QMMHBTMA	✓ QMMHBTDP QMMHBTMP
 Flange Mount	✓ QMMHF	✓ QMMHFT	✓ QMMH-A36	✓ QMMHFD QMMHFM	Detent Momentary	✓ QMMHFTDA QMMHFTMA	✓ QMMHFTDP QMMHFTMP
 Direct Mount	✓ QMMH	✓ QMMHT					





## DC Electric Controllers



IC1D



IC1M

### IC1D Controllers

The Ingersoll Rand IC1D Insight controllers give you full closed-loop control in a compact package. With features like a 1/4 VGA color display and easy, intuitive, quick set-up programming, the IC1D provides unmatched performance.

### IC1M Controllers

The Ingersoll Rand IC1M Insight Controller is a basic single-spindle controller that works with all QE Tools and QM motors. It can be either rack- or cabinet-mounted as a single unit or in groups of up to 40 units for multiple spindle systems. Programming is accomplished via ICS Software over Ethernet, Parameter Transfer Key or direct computer connection.

#### Standard Features

- 1/4 VGA color display (IC1D)
- Full keypad and navigation keys (IC1D)
- One-line LED Display (IC1M)
- Ethernet connection
- RS232
- Eight I/O
- 1000 cycle storage (IC1D)
- 200 cycle storage (IC1M)
- Eight instant configurations
- 256 stored configurations
- Dual power mode 120-240 V AC
- Quick set-up feature
- Small footprint (mm) 152h x 191w x 238d

#### Optional Features

- All units are available with the following options:
- 115 V AC power cord
  - 220 V AC power cord
  - 230 V AC EU pigtail power cord
  - Cabinet mount / wall mount
  - PFCS software package
  - Plus software package
  - 16 additional I/O
  - Fieldbus cards

#### Languages Available

- Chinese
- English
- French
- German
- Italian
- Russian
- Spanish

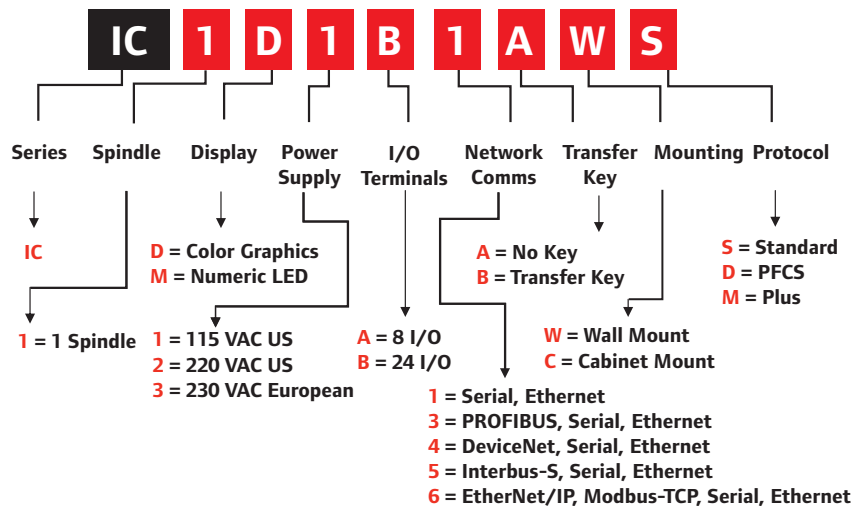
#### Service and Accessories

- Complete installation and repair service available
- Socket selector: IC-socket-4
- Light tower, see page 48
- Transfer key: 80150113
- Custom racks
- For additional accessories, see pages 47 – 48

#### Manuals:

04581732

### IC Series DC Electric Controllers





## DC Electric Controllers

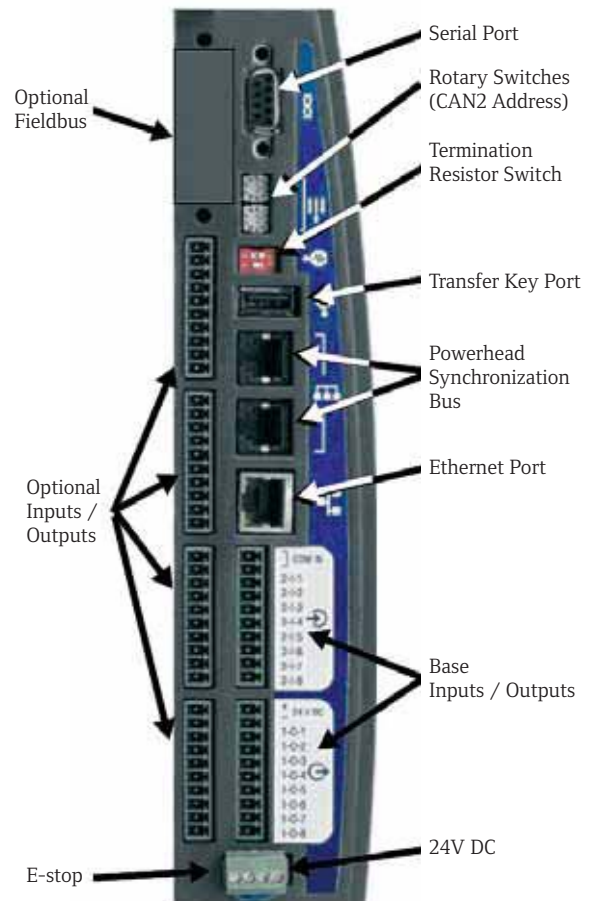
IC1D Model	IC1M Model	Power Cord	Number of Input / Outputs	Communication Package	Transfer Key
IC1D1A1AWS	IC1M1A1AWS	115 V AC USA	8	Ethernet and Serial	No
IC1D2A1AWS	IC1M2A1AWS	220 V AC USA	8	Ethernet and Serial	No
IC1D1A1BWS	IC1M1A1BWS	115 V AC USA	8	Ethernet and Serial	Yes
IC1D2A1BWS	IC1M2A1BWS	220 V AC USA	8	Ethernet and Serial	Yes
IC1D3A1BWS	IC1M2A1BWS	230 V AC Europe	8	Ethernet and Serial	Yes
IC1D1A3AWS	IC1M1A3AWS	115 V AC USA	8	PROFIBUS, Ethernet, and Serial	No
IC1D2A3AWS	IC1M2A3AWS	220 V AC USA	8	PROFIBUS, Ethernet, and Serial	No
IC1D1A3BWS	IC1M1A3BWS	115 V AC USA	8	PROFIBUS, Ethernet, and Serial	Yes
IC1D2A3BWS	IC1M2A3BWS	220 V AC USA	8	PROFIBUS, Ethernet, and Serial	Yes
IC1D3A3BWS	IC1M2A3BWS	230 V AC Europe	8	PROFIBUS, Ethernet, and Serial	Yes
IC1D1A4AWS	IC1M1A4AWS	115 V AC USA	8	DeviceNet, Ethernet, and Serial	No
IC1D2A4AWS	IC1M2A4AWS	220 V AC USA	8	DeviceNet, Ethernet, and Serial	No
IC1D1A4BWS	IC1M1A4BWS	115 V AC USA	8	DeviceNet, Ethernet, and Serial	Yes
IC1D2A4BWS	IC1M2A4BWS	220 V AC USA	8	DeviceNet, Ethernet, and Serial	Yes
IC1D3A4BWS	IC1M2A4BWS	230 V AC Europe	8	DeviceNet, Ethernet, and Serial	Yes
IC1D1A5AWS	IC1M1A5AWS	115 V AC USA	8	Interbus-S, Ethernet, and Serial	No
IC1D2A5AWS	IC1M2A5AWS	220 V AC USA	8	Interbus-S, Ethernet, and Serial	No
IC1D1A5BWS	IC1M1A5BWS	115 V AC USA	8	Interbus-S, Ethernet, and Serial	Yes
IC1D2A5BWS	IC1M2A5BWS	220 V AC USA	8	Interbus-S, Ethernet, and Serial	Yes
IC1D3A5BWS	IC1M2A5BWS	230 V AC Europe	8	Interbus-S, Ethernet, and Serial	Yes
IC1D1A6AWS	IC1M1A6AWS	115 V AC USA	8	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	No
IC1D2A6AWS	IC1M2A6AWS	220 V AC USA	8	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	No
IC1D1A6BWS	IC1M1A6BWS	115 V AC USA	8	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes
IC1D2A6BWS	IC1M2A6BWS	220 V AC USA	8	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes
IC1D3A6BWS	IC1M2A6BWS	230 V AC Europe	8	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes
IC1D1B1AWS	IC1M1B1AWS	115 V AC USA	24	Ethernet and Serial	No
IC1D2B1AWS	IC1M2B1AWS	220 V AC USA	24	Ethernet and Serial	No
IC1D1B1BWS	IC1M1B1BWS	115 V AC USA	24	Ethernet and Serial	Yes
IC1D2B1BWS	IC1M2B1BWS	220 V AC USA	24	Ethernet and Serial	Yes
IC1D3B1BWS	IC1M2B1BWS	230 V AC Europe	24	Ethernet and Serial	Yes
IC1D1B3AWS	IC1M1B3AWS	115 V AC USA	24	PROFIBUS, Ethernet, and Serial	No
IC1D2B3AWS	IC1M2B3AWS	220 V AC USA	24	PROFIBUS, Ethernet, and Serial	No
IC1D1B3BWS	IC1M1B3BWS	115 V AC USA	24	PROFIBUS, Ethernet, and Serial	Yes
IC1D2B3BWS	IC1M2B3BWS	220 V AC USA	24	PROFIBUS, Ethernet, and Serial	Yes
IC1D3B3BWS	IC1M2B3BWS	230 V AC Europe	24	PROFIBUS, Ethernet, and Serial	Yes
IC1D1B4AWS	IC1M1B4AWS	115 V AC USA	24	DeviceNet, Ethernet, and Serial	No
IC1D2B4AWS	IC1M2B4AWS	220 V AC USA	24	DeviceNet, Ethernet, and Serial	No
IC1D1B4BWS	IC1M1B4BWS	115 V AC USA	24	DeviceNet, Ethernet, and Serial	Yes
IC1D2B4BWS	IC1M2B4BWS	220 V AC USA	24	DeviceNet, Ethernet, and Serial	Yes
IC1D3B4BWS	IC1M2B4BWS	230 V AC Europe	24	DeviceNet, Ethernet, and Serial	Yes
IC1D1B5AWS	IC1M1B5AWS	115 V AC USA	24	Interbus-S, Ethernet, and Serial	No
IC1D2B5AWS	IC1M2B5AWS	220 V AC USA	24	Interbus-S, Ethernet, and Serial	No
IC1D1B5BWS	IC1M1B5BWS	115 V AC USA	24	Interbus-S, Ethernet, and Serial	Yes
IC1D2B5BWS	IC1M2B5BWS	220 V AC USA	24	Interbus-S, Ethernet, and Serial	Yes
IC1D3B5BWS	IC1M2B5BWS	230 V AC Europe	24	Interbus-S, Ethernet, and Serial	Yes
IC1D1B6AWS	IC1M1B6AWS	115 V AC USA	24	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	No
IC1D2B6AWS	IC1M2B6AWS	220 V AC USA	24	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	No
IC1D1B6BWS	IC1M1B6BWS	115 V AC USA	24	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes
IC1D2B6BWS	IC1M2B6BWS	220 V AC USA	24	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes
IC1D3B6BWS	IC1M2B6BWS	230 V AC Europe	24	EtherNet/IP, Modbus-TCP, Ethernet, and Serial	Yes

# DC Electric Controllers



## Insight IC1 Display & IC1 Module

<b>Measurement torque: Accuracy</b>	±0.2% of torque full scale ±1 count of angle (degrees)
<b>Measurement resolution</b>	±0.025% of torque full scale
<b>Torque transducer bridge excitation</b>	±5V DC/GND
<b>Torque transducer zero offset / drift compensation</b>	±0.4% of full scale
<b>Input signal sensitivity</b>	2.0 mV/V
<b>Calibration</b>	Values read from spindle memory Automatic digital correction
<b>Frequency response (torque filter)</b>	Selectable 75 Hz, 150 Hz, 350 Hz, 500 Hz, 750 Hz
<b>Keypad (IC-D only)</b>	Membrane keypad containing 4 hot keys, 4 function keys, numerical keypad and directional keypad
<b>Display</b>	IC-D: 3.5-inch diagonal, 320px by 240px, 8-bit 65K backlit color (QVGA) flat panel display IC-M: 5- character, 7-segment numerical LED display
<b>Parameter sets</b>	256
<b>Number of cycles stored in memory</b>	IC-D: 1,000 IC-M: 200
<b>Communication</b>	Serial RS232, Ethernet, optional PROFIBUS, DeviceNet, Interbus-S, EtherNet / IP, Modbus - TCP
<b>I/O</b>	8 inputs / 8 outputs, with behavior assignable through ISC software: with optional I/O card, an additional 16 inputs and outputs are available
<b>Indicators</b>	Power ON lamp
<b>Input voltage</b>	Single-phase 120 volts, 50/60 Hz, 16 amps Single-phase 230 volts, 50/60 Hz, 8 amps
<b>Ambient operating conditions</b>	0 – 50° C, 20/90% non-condensing humidity
<b>Enclosure</b>	IP-52
<b>System weight</b>	5.6 kg (12.4 lb)
<b>Dimensions (mm)</b>	152 h x 191 w x 238d



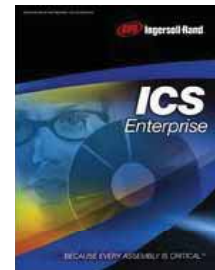
## ICS Software



Paired with an Insight IC1D or IC1M controller and a computer, our groundbreaking ICS Software Suite makes it possible to more precisely control and monitor your fastening process. Optimizing your system is as simple as selecting one of four packages. Visibility of real-time data and controller status can be viewed from your desk top or other remote locations connected to your network. Additional specific information on each software package can be found on the following pages. Software is available in the following languages: Chinese, English, French, German, Italian, Russian and Spanish.

### ICS Connect

ICS Connect gives operators the ability to access and program basic fastening strategies, as well as view cycle data with a single IC1D or IC1M controller via a one-to-one Ethernet connection. ICS Connect is supplied standard with all IC1D and IC1M controllers.



### ICS Network

Description	Part Number	Licenses
ICS Network enables programming of multiple IC1D and IC1M controllers connected through a local area network (LAN) or direct connection. This option also allows operators to program advanced fastening strategies including yield and prevailing torque control. Finally, ICS Network unlocks the patented TactAlert feature of the QE Series tools that provides the operator with tactile feedback of a tool fault or NOK signal through gentle mechanical oscillation in the grip surface, reducing reliance on visual or audible signals.	ICS-NETWORK-001	1
	ICS-NETWORK-002	2
	ICS-NETWORK-005	5
	ICS-NETWORK-010	10
	ICS-NETWORK-020	20
	ICS-NETWORK-050	50
	ICS-NETWORK-100	100
	ICS-NETWORK-500	500

### ICS MultiSync

Description	Part Number	Licenses
The ICS MultiSync package facilitates set-up and control of multiple spindle systems consisting of up to 100 spindles in groups of up to 40 spindles. This package also offers advanced multiple spindle fastening strategies such as fault back-out. Remote monitoring and data archiving are also standard features in this versatile package.	ICS-MULTISYNC-001	1
	ICS-MULTISYNC-002	2
	ICS-MULTISYNC-005	5
	ICS-MULTISYNC-010	10
	ICS-MULTISYNC-020	20
	ICS-MULTISYNC-050	50
	ICS-MULTISYNC-100	100

### ICS Enterprise

Description	Part Number	Licenses
ICS Enterprise offers advanced programming and management of a network of up to 500 IC1D or IC1M controllers using QE tools, QM spindles, or multiple spindle systems. This package includes all elements of ICS Connect, Network, and MultiSync, and also enables ODBC-compliant database archiving, searching, and statistics processing.	ICS-ENTERPRISE-001	1
	ICS-ENTERPRISE-002	2
	ICS-ENTERPRISE-005	5
	ICS-ENTERPRISE-010	10
	ICS-ENTERPRISE-020	20
	ICS-ENTERPRISE-050	50
	ICS-ENTERPRISE-100	100
	ICS-ENTERPRISE-500	500

Additional versions of software have been developed to meet specific customer requirements and protocols.



Ingersoll Rand offers two levels of controllers and four levels of software. The IC1M controller can only be programmed via one of the software packages. The IC1D controller offers limited basic programming via the keypad. Either controller can be combined with any of the four ICS software packages to provide the features and level of sophistication required for various applications. The ICS Connect program is included standard with each controller. ICS site software is licensed based on the number of controllers to be connected to the network.

	IC1M Controller	IC1D Controller	ICS Connect	ICS Network	ICS MultiSync	ICS Enterprise
<b>SOFTWARE PROGRAMMING</b>						
Maximum Number of Configurations	256	256	256	256	256	256
Maximum Number of Steps per Configuration	32	32	1	32	32	32
Program Parameters: Editable		▲	▲	▲	▲	▲
Gang Count		▲	▲	▲	▲	▲
Auto Increment		▲	▲	▲	▲	▲
Quick Setup		▲	▲	▲	▲	▲
Advanced Setup				▲	▲	▲
Name Configuration			▲	▲	▲	▲
CW/CCW Tightening		▲	▲	▲	▲	▲
Tubenut Operation				▲	▲	▲
Adjustable Acceleration				▲	▲	▲
Optional End of Run Data for Each Step				▲	▲	▲
			▲	▲	▲	▲
<b>DATA ARCHIVING</b>						
Number of Stored End of Run Records	200	1000	Unlimited	Unlimited	Unlimited	Unlimited
Data Can be Transferred to					MS SQL	MS SQL
					▲	▲
<b>POWERHEAD</b>						
Powerhead Operation					▲	▲
Maximum Number of Spindles in Powerhead					40	40
Maximum Number of Groups					8	8
Fault Backout Options: None, Spindle, Group, Powerhead					▲	▲
Final Fault Backout Options: None, Spindle, Group, Powerhead					▲	▲
Synchronizing Spindles					▲	▲
<b>SOFTWARE GENERAL</b>						
Date/Time Set		▲	▲	▲	▲	▲
System Name			▲	▲	▲	▲
Select Language		▲	▲	▲	▲	▲
Network Time Protocol		▲	▲	▲	▲	▲
End of Run Onscreen Filter			▲	▲	▲	▲
End of Run Viewable on Screen	Value Only	▲	▲	▲	▲	▲
Load New Software via Ethernet	▲	▲	▲	▲	▲	▲

# ICS Software



	ICTM Controller	ICTD Controller	ICS Connect	ICS Network	ICS MultiSync	ICS Enterprise
<b>TOOL PROGRAMMING</b>						
Transducer Value Adjustment		▲	▲	▲	▲	▲
Angle Scaling Constant Adjustment		▲	▲	▲	▲	▲
Transducer and ASC Reset		▲	▲	▲	▲	▲
Auto Calibration Function			▲	▲	▲	▲
Torque Units Selection		▲	▲	▲	▲	▲
Select Start Mode		▲	▲	▲	▲	▲
Tool Operation Selection		▲	▲	▲	▲	▲
Special Function Switch		▲	▲	▲	▲	▲
Configuration Mode Selection		▲	▲	▲	▲	▲
Set Preventive Maintenance Alarms				▲	▲	▲
View Tool Memory			▲	▲	▲	▲
<b>PASSWORDS</b>						
Number of Passwords	0	1	Unlimited	Unlimited	Unlimited	Unlimited
Auto Timer Lockout		▲				
<b>STATISTICS</b>						
Sample and Population Statistics		▲	▲	▲	▲	▲
Statistics Values Calculated	Cp, Cpk, Mean, SD, Capability, CAM, Max Value, Min Value, % Number of Rejects, % Number of Pass, Number of Rejects High, Number of Rejects Low, Mean Shift, Range					
Statistics Alarms			▲	▲	▲	▲
Statistics Alarms Output	▲	▲	▲	▲	▲	▲
Maximum Sample Statistics Size	200	1000	1000	1000	1000	1000
Powerhead Statistics					▲	▲
Mean Range Charts				▲	▲	▲
Histograms				▲	▲	▲
Pareto Chart				▲	▲	▲
Statistics E-mail Alarms					▲	▲
Stats Calculation from User Selected Data				▲	▲	▲
<b>TIGHTENING CURVES</b>						
Curve Types	Torque vs Angle, Torque vs Time, Current vs Time					
Curves Stored on Controller	Last Reject Last Cycle	Last Reject Last Cycle				
Display Curves On Screen				▲	▲	▲
Print Tightening Curves				▲	▲	▲
Print Tightening Curve Data				▲	▲	▲
Full View				▲	▲	▲
Zoom Function				▲	▲	▲
Number of Curves that Can be Overlaid				1	10	10
Archive Curves					▲	▲
Parameter Values Shown on Curve				▲	▲	▲





	ICTM Controller	ICTD Controller	ICS Connect	ICS Network	ICS MultiSync	ICS Enterprise
<b>TIGHTENING STRATEGIES</b>						
Torque Control		▲	▲	▲	▲	▲
Torque Control with Angle Monitoring				▲	▲	▲
Torque Control with Yield Override				▲	▲	▲
Angle Control		▲	▲	▲	▲	▲
Angle Control with Torque Monitoring				▲	▲	▲
Angle Control with Yield Override				▲	▲	▲
Yield Control				▲	▲	▲
Prevailing Torque				▲	▲	▲
Drag Torque				▲	▲	▲
Backout				▲	▲	▲
Fault Backout					▲	▲
Final Fault Backout					▲	▲
Retorque				▲	▲	▲
Wait				▲	▲	▲
Jog				▲	▲	▲
Bypass				▲	▲	▲
<b>COMMUNICATIONS</b>						
Serial End of Run Data Out		▲	▲	▲	▲	▲
Serial Custom End of Run Data			▲	▲	▲	▲
Host Data Out		▲	▲	▲	▲	▲
PFCS				▲	▲	▲
Plus				▲		▲
Barcode Passive				▲	▲	▲
Barcode Active				▲	▲	▲
Barcode Setup on Screen				▲	▲	▲
Field Bus Setup on Screen				▲	▲	▲
Ethernet End of Run Setup				▲	▲	▲
Ethernet End of Run				▲	▲	▲
Ethernet Programming				▲	▲	▲

# ICS Software



	ICTM Controller	ICTD Controller	ICS Connect	ICS Network	ICS MultiSync	ICS Enterprise	
<b>DIAGNOSTICS</b>							
Error Codes	▲						
Text Errors		▲	▲	▲	▲	▲	
System Test		▲	▲	▲	▲	▲	
Store System Test Results			▲	▲	▲	▲	
View Input Status		▲	▲	▲	▲	▲	
Set Output Status		▲	▲	▲	▲	▲	
View Outputs		▲	▲	▲	▲	▲	
Assign Inputs			▲	▲	▲	▲	
Assign Outputs			▲	▲	▲	▲	
Event Log			▲	▲	▲	▲	
View Event Log			▲	▲	▲	▲	
Tool Test		▲	▲	▲	▲	▲	
Lamp Test		▲	▲	▲	▲	▲	
<b>HELP</b>							
Help Screen Menu			▲	▲	▲	▲	
Wizard Text		▲					
<b>PRINTED REPORTS</b>							
Number of Reports	0	0	6	6	9	11	
Report Types	Cycle Log, Stats, Parameter Dump, Diagnostics, Event Log, Tightening Curve					Histogram, Pareto, Mean/Range	Histogram, Pareto, Mean/Range VIN, Custom
Export to File Function			▲	▲	▲	▲	

## DC Electric

### Accessories



## Standard and Extension Cables

Part Number	Description
GEA40-CORD-3M	3 m Standard Cable
GEA40-CORD-6M	6 m Standard Cable
GEA40-CORD-10M	10 m Standard Cable
GEA40-CORD-3M-90	3 m 90 Degree Cable
GEA40-CORD-6M-90	6 m 90 Degree Cable
GEA40-CORD-10M-90	10 m 90 Degree Cable
GEA40-EXT-10M	10 m Extension Cable
GEA40-EXT-20M	20 m Extension Cable
GEA40-EXT-40M	40 m Extension Cable
GEA40-INT-01	50" 90 degree Extension Cable
GEA40-INT-02	60" 90 degree Extension Cable
GEA40-INT-03	70" 90 degree Extension Cable
GEA40-INT-04	80" 90 degree Extension Cable
GEA40-INT-05	90" 90 degree Extension Cable
GEA40-INT-06	100" 90 degree Extension Cable
GEA40-INT-07	110" 90 degree Extension Cable
GEA40-INT-08	120" 90 degree Extension Cable
GEA40-INT-09	130" 90 degree Extension Cable



Standard Cable



90 Degree Cable

## Lever Kits

Part Number	Description
GEA40-K98SL	Short Lever Kit
GEA40-K98EL	Extended Lever Kit

## Hanging and Mounting Accessories

Part Number	Description	For Use With
GEA15-K364	Swivel Hanger Kit	QE4
GEA40-K364	Swivel Hanger Kit	QE6 & QE8
7L-365	Suspension Bail	All QE Series
GEA15-K48	Reaction Bar Kit	QE4, QA4 inline up to 27 Nm
GEPTS15-K48	Reaction Bar Kit	QE4TS
DEA120-K48	Reaction Bar Kit	QE6 & QE8, QA4 inline 46 Nm
15E4-K48	Flanged Mounting Kit	QE4, QA4 / QA8 inline up to 55 Nm, angle up to 55 Nm
GEM120-K48	Flanged Mounting Kit	QE6 & QE8, QA6 / QA8 inline 70 / 90 Nm, angle 115 / 150 Nm
GEA4-K48	Mounting Plate Kit	QE4, QA6 / QA8 inline up to 55 Nm, angle up to 90 Nm
DAM120-K48	Mounting Plate Kit	QE6 & QE8, QA6 / QA8 inline 70 / 90 Nm, angle 115 / 150 Nm



Flange Mounting Kit



Mounting Plate Kit



Swivel Hanger Kit

## DC Electric

Accessories



### Controller Accessories

Part Number	Description
IC-PALM-RESET	Palm Button Reset Station
IC-ESTOP	Emergency Stop Button
IC-LIGHT-TOWER	Light Tower
3002007	Wall Mounting Bracket For IC1D/M
3002010	Cabinet Mounting Bracket For IC1D/M
IC-SELECT-2	2-Position Remote Selector Switch
IC-SELECT-4	4-Position Remote Selector Switch
IC-SELECT-6	6-Position Remote Selector Switch
80150113	Controller Transfer Key



Palm Reset



Emergency Stop



Light Tower

### Socket Trays and Accessories

Part Number	Description
IC-SOCKET-4	4-position socket tray
IC-SOCKET-8	8-position socket tray
IC-10PIN-6M	6 m cable for 4-position tray
IC-10PIN-10M	10 m cable for 4-position tray
IC-19PIN-5M	5 m cable for 8-position tray
IC-19PIN-10M	10 m cable for 8-position tray
GEA15-38KIT-5	3/8" socket pin kit
GEA40-12KIT-5	1/2" socket pin kit



4-Position Socket Tray

# Torque Reaction Arms

Bench & Floor Mounted



## QTA Series



Reaction arms that set the standard for ergonomics, ease of use, and durability.

### Features

- Torque capacity range from 10 – 475 Nm (7.4 – 350 ft-lbs)
- Arms up to model QTA150 utilize an Ingersoll Rand die-cast aluminum spring balancer to aid up/down movement
- Floor mounted models QTA270 and QTA475 use Ingersoll Rand air cylinders and regulator to assist in up/down travel
- QTA150 arm can be adjusted to mount to either a bench or the floor
- Anodized aluminum on bench-mounted arms delivers toughness in a lightweight design
- Simple, proven architecture makes for trouble-free set-up and use
- Arms up to QTA100 include a standard inline tool holder
- Cable/air line clips keep work area organized

### Service and Accessories

#### Manuals:

-  45546959
-  45546942
-  45546967

#### Accessories:

- QTA tool holders
- Upper pole clamp and inverse mounting kit available for bench-only models



Model	Torque Capacity Nm (ft-lbs)	Weight Capacity lbs (kg)	Max. Working Reach in (mm)	Approx. Vertical Travel in (mm)	Overall Height in (mm)	Mounting Style	Movement Style
QTA010	10 (7.4)	2.64 (1.20)	15" (381)	13.0" (330)	27.8" (706)	Bench	Spring bal
QTA020	20 (14.8)	5.00 (2.27)	20" (508)	14.5" (368)	31.8" (808)	Bench	Spring bal
QTA040	40 (29.5)	6.50 (2.95)	25" (635)	17.5" (445)	39.7" (1008)	Bench	Spring bal
QTA100	100 (73.8)	8.00 (3.63)	30" (762)	17.5" (445)	39.7" (1008)	Bench	Spring bal
QTA150	150 (110.6)	10.00 (4.54)	52" (1321)	22.0" (559)	78.7" (2000)	Bench/Floor	Spring bal
QTA270	270 (199)	22.00 (10.0)	60" (1524)	18.8" (477)	78.7" (2000)	Floor	Air cylinders
QTA475	475 (350)	50.60 (23.0)	79" (2007)	23.2" (590)	78.7" (2000)	Floor	Air cylinders

## Bench Mounted Arm Accessories

Model	QTA010	QTA020	QTA040	QTA100
<b>Inverse Mounting Kit</b>	IMK010	IMK020	IMK100	IMK100
<b>Upper Pole Clamp</b>	PUC010	PUC020	PUC100	PUC100



# Tool Holders

QA/QE Series & Generic Styles



## Holders for QTA Torque Arms

Select from a wide variety of options to ensure that the tool is correctly and safely secured to the torque arm.

### Features

- Generic holders clamp to the Ingersoll Rand tools or a competitive model
- Threaded tool holder (1/4" NPT) for low-torque air tools
- For Ingersoll Rand QA & QE Series tools, please refer to the chart below to select the proper holder
- QA/QE specific holders can be mounted horizontally or vertically based on your application needs



Right angle



Pistol



Ingersoll Rand angle or inline



1/4" NPT



Rotating



Ingersoll Rand push-to-start

TOOL HOLDER	TORQUE ARMS			
	QTA010	QTA020	QTA040	QTA100
<b>GENERIC CLAMP STYLE TOOL HOLDERS</b>				
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	N/A
Rotating	RTC010-1C	RTC040-1C	RTC040-1C	N/A
1/4" NPT	NTC010-1T	N/A	N/A	N/A

Generic Tool holders are not available for arms 150 Nm and above

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 (1" – 1.57")

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

TOOLS	TORQUE ARMS						
	QTA010	QTA020	QTA040	QTA100	QTA150	QTA270	QTA475
<b>INGERSOLL RAND QA SERIES AND QE SERIES TOOL HOLDERS</b>							
QE4 (non-push to start)	N/A	CTC040-K1B	CTC040-K1B	N/A	N/A	N/A	N/A
QE4 (push to start)	CTC040-K1P	CTC040-K1P	CTC040-K1P	N/A	N/A	N/A	N/A
QE6	N/A	CTC040-K2B	CTC040-K2B	CTC100-K2B	N/A	N/A	N/A
QE8 (using bolt-on flange GEM120-K48)	N/A	N/A	N/A	CTC100-K2B	CTC150-K2B	N/A	N/A
QE8 (using integrated flanged gearcase)	N/A	N/A	N/A	CTC100-K3B	CTC150-K3B	CTC270-K3B	N/A
QE8 (230 Nm inline)	N/A	N/A	N/A	N/A	N/A	CTC270-K4B	N/A
QE8 (400 Nm angle)	N/A	N/A	N/A	N/A	N/A	N/A	CTC475-K5B
QA4 (angle)	N/A	CTC040-K6B	CTC040-K6B	CTC100-K6B	N/A	N/A	N/A
QA4 (27 Nm max inline) & QA6	N/A	CTC040-K1B	CTC040-K1B	CTC100-K1B	N/A	N/A	N/A
QA4 (46 Nm inline)	N/A	N/A	N/A	CTC100-K2B	N/A	N/A	N/A
QA8 (150 Nm max angle, 55 Nm max inline)	N/A	N/A	CTC040-K1B	CTC100-K1B	CTC150-K2B	N/A	N/A
QA8 (above 150 Nm angle, above 55 Nm inline)	N/A	N/A	N/A	CTC100-K2B	CTC150-K3B	CTC270-K3B	N/A

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."