
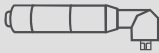



Low-Torque Electric Screwdrivers

You've got a critical job to do, and there are a lot of people counting on you to get it done right. At Ingersoll Rand, we know what's at stake, too. That's why we deliver the most innovative and reliable DC electric fastening systems in the industry.



Low-Torque Electric Screwdrivers

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Low-Torque Electric Screwdrivers

Series Information

VersaTec Series

Low-torque screwdrivers in an ergonomic space-saving package

- Torque range 0.03 to 6.4 Nm
- Speed 260 to 2,500 rpm
- Ergonomic package features contoured soft-touch grip, two-finger lever actuation, and easy forward reverse control providing operator comfort and productivity
- Variable speed and soft-start feature built into controller
- Lightweight, compact design
- External adjustment torque control
- Recommended for low-torque applications along with precise torque and speed control
- ESD models available (Part numbers ending with "-ESD")



ET4004E

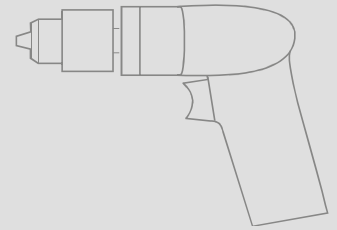


EL4011S2S5





EL0410E

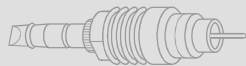
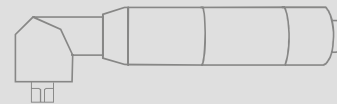
Low-Torque Electric Screwdrivers Pistol


















Adjustable shut-off clutch

Ref.	CCN	 Nm	 rpm	 kg	 mm	 mm	 in	 V
LEVER TO START								
ET4004E	01348002	2.0 – 4.5	400	0.73	273	286	1/4" 	AC 230
ET4005S	01359868	2.0 – 4.5	500	0.78	273	286	1/4" 	DC 34
ET4011S	01352491	2.0 – 4.5	1100	0.78	273	286	1/4" 	DC 34
PUSH START								
EP4004E	01348010	2.0 – 4.5	400	0.73	273	286	1/4" 	AC 230
EP4005S	01359843	2.0 – 4.5	500	0.78	273	286	1/4" 	DC 34
EP4011S	01359538	2.0 – 4.5	1100	0.78	273	286	1/4" 	DC 34

Low-Torque Electric Screwdrivers Angle










Adjustable shut-off clutch

Ref.	CCN	 Nm	 1 min rpm	 kg	 mm	 mm	 in	 V
LEVER TO START								
EL1510E2S3	01347889	0.7 – 2.6	650	1.00	448	13	¼" 	AC 230
EL1510E2S5	01347822	0.7 – 2.6	650	1.00	448	13	¼" 	AC 230
EL1525S2S3	01359884	0.7 – 2.6	1600	0.95	448	13	¼" 	DC 34
EL1525S2S5	01359876	0.7 – 2.6	1600	0.95	448	13	¼" 	DC 34
EL4004E2S3	01347913	1.7 – 6.4	260	1.00	448	13	¼" 	AC 230
EL4004E2S5	01347855	1.7 – 6.4	260	1.00	448	13	¼" 	AC 230
EL4011S2S3	01359918	1.7 – 6.4	700	0.95	448	13	¼" 	DC 34
EL4011S2S5	01359900	1.7 – 6.4	700	0.95	448	13	¼" 	DC 34

Low-Torque Electric Screwdrivers Inline



Adjustable shut-off clutch

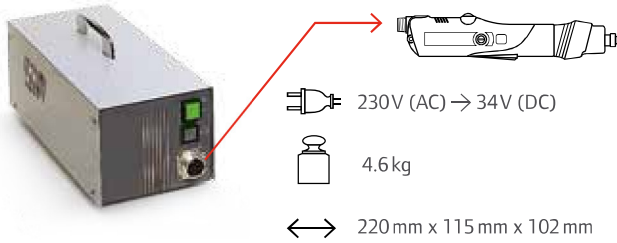
Ref.	CCN	 Nm	 rpm	 kg	 mm	 mm	 in	 V
LEVER TO START								
EL0109E	01347731	0.0 – 0.2	950	0.32		235	4 mm Ø	DC 24
EL0410E	01347749	0.1 – 0.5	1000	0.36		235	¼" ⌀	DC 24
EL1007E	01347764	0.6 – 1.2	700	0.36		235	¼" ⌀	DC 24
EL1510E	01347962	0.6 – 1.7	1000	0.73	273	286	¼" ⌀	AC 230
EL1512S	01352467	0.6 – 1.7	1200	0.68	273	286	¼" ⌀	DC 34
EL1525S	01352475	0.6 – 1.7	2500	0.68	273	286	¼" ⌀	DC 34
EL2607E	01347988	1.2 – 2.9	700	0.73	273	286	¼" ⌀	AC 230
EL2608S	01359850	1.2 – 2.9	800	0.68	273	286	¼" ⌀	DC 34
EL2616S	01352483	1.2 – 2.9	1600	0.68	273	286	¼" ⌀	DC 34
PUSH START								
EP1510E	01347970	0.6 – 1.7	1000	0.73	273	286	¼" ⌀	AC 230
EP1512S	01352509	0.6 – 1.7	1200	0.68	273	286	¼" ⌀	DC 34
EP1525S	01352517	0.6 – 1.7	2500	0.68	273	286	¼" ⌀	DC 34
EP2607E	01347996	1.2 – 2.9	700	0.73	273	286	¼" ⌀	AC 230
EP2608S	01359835	1.2 – 2.9	800	0.68	273	286	¼" ⌀	DC 34
EP2616S	01352525	1.2 – 2.9	1600	0.68	273	286	¼" ⌀	DC 34
WITH SOFT STOP								
EL0410BC-SS-ESD	04654596	0.2 – 0.4	1000	0.40		267	4 mm Ø	DC 24
EL0510BC-SS-ESD	04654604	0.3 – 0.6	1000	0.40		267	4 mm Ø	DC 24
EL0807BC-SS-ESD	04654612	0.5 – 1.0	700	0.40		267	4 mm Ø	DC 24
EL1007BC-SS-ESD	04654620	0.6 – 1.2	700	0.40		267	4 mm Ø	DC 24
WITHOUT SOFT STOP								
EL1007BC-ESD	04654638	0.2 – 1.2	700	0.40		267	¼" ⌀	DC 24

Low-Torque Electric Screwdrivers

Controllers for 34V Screwdrivers

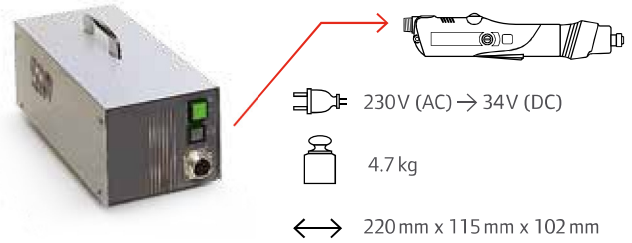
Ref. No. EC34ES-1

(EC34US-1 with UK plug style)



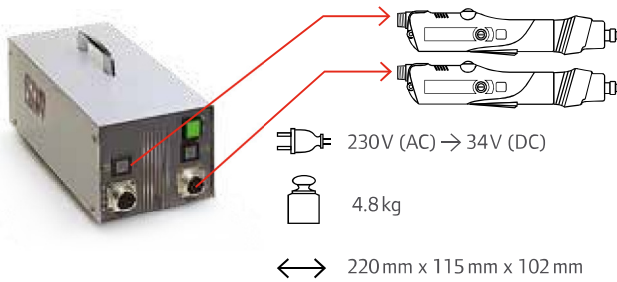
Ref. No. EC34ES-1-CPU

(only European plug style available)



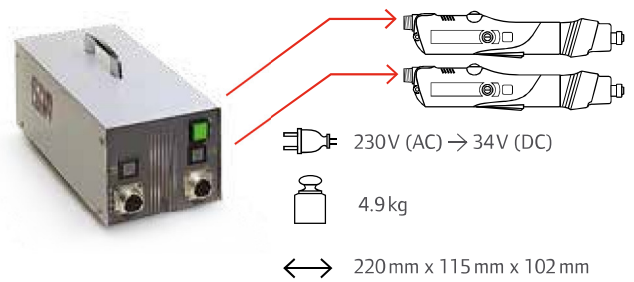
Ref. No. EC34ES-2

(EC34US-2 with UK plug style)

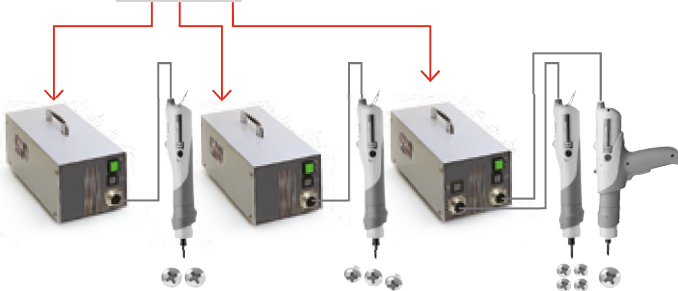


Ref. No. EC34ES-2-CPU

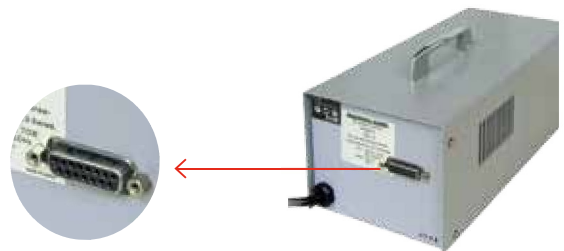
(only European plug style available)



- Manage several screwdrivers (four in the example)
- Sequence screwdriver range
- Program tool changing
- Count fastening cycles
- Monitor tightening torques



CPU controllers (34V) with SUB-D15 connector for PLC

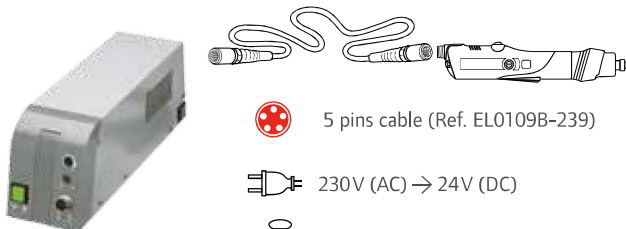


Low-Torque Electric Screwdrivers

Controllers for 24V Screwdrivers

Ref. No. EC24E

(EC24-U with UK plug style)



 5 pins cable (Ref. EL0109B-239)

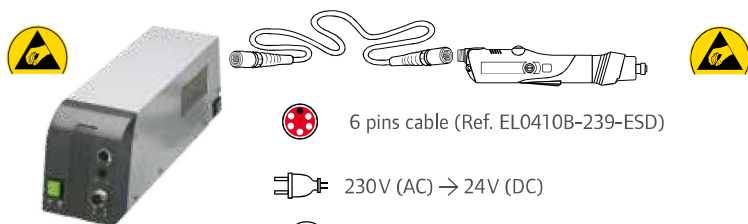
 230V (AC) → 24V (DC)


 2.3 kg

 267 mm x 83 mm x 104 mm

Ref. No. EC24-ESD

(only European plug style available)



 6 pins cable (Ref. EL0410B-239-ESD)

 230V (AC) → 24V (DC)

 2.3 kg

 267 mm x 83 mm x 104 mm

Ref. No. EC24E-CPU

(European plug style only)



CPU controllers (24V) with
SUB-D15 connector for PLC

**Not available
for ESD models**

Low-Torque Electric Screwdrivers

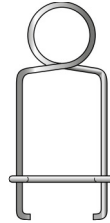
Accessories



Ref. No. EP4007N-48

For 230V and 34V models

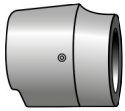
Attachable pistol grip handle: for use with lever and push start models.



Suspension bails:

For 230V and 34V models

- Vertical: Ref. No. EP4007N-365
- Horizontal: Ref. No. EP4007N-366



Ref. No. EP4007N-123

For 230V and 34V models

Low profile flange: smaller dimension flange (fitted as standard on pistol and angle models).



Ref. No. VDS-511

For 230V and 34V models

Light spring used for high-torque models:

0.17 – 0.8 Nm for EP/EL1510E

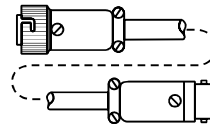
0.22 – 1.0 Nm for EP/EL1512K/1525K



Ref. No. EP4007N-516

For 230V and 34V models

Torque adjusting wrench: used to externally adjust the torque without removing the flange.



24 V: Ref. No. ES40T-249-2 for controller

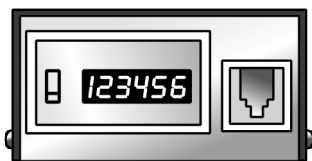
34 V: No. EC29-249-2 for controller

For 34V and 24V models

Extension cord, length 2 m: for use between tool and controller.

Low-Torque Electric Screwdrivers

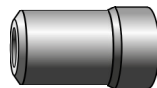
Accessories



Ref. No. EC24-DC

For 34V and 24V models

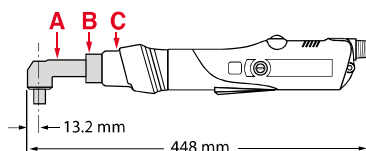
Digital counter: available on special request. Digital display shows number of cycles. Includes cord to attach to controller.





Ref. No. DLW-5300

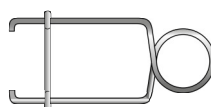
For 24V models

Torque adjustment cover used for models EL1007E, EL0410E and EL0109E – designed to ensure tamper proof torque adjustment.



Angle head option

	253 	255 
A	3RL23	3RL25
B	EL4007N2S5-AHC	
C	ET4007N2S5-580	



Ref. No. EL0109B-365

For 24V models

Vertical hanger




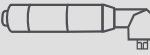

Precision DC Nutrunners

QE tools and controllers team up to provide superior accuracy, ergonomics, and durability and meet your critical fastening requirements. Full closed-loop transducerized control in a compact, lightweight package allows your line to run more efficiently.

A full line of world-class tools – whether handled or fixture, and whether you are in the motor vehicle, aerospace, electronics, white goods, or general industries – helps maximize your productivity.



Precision DC Nutrunners

	Pistol Transducer	31
	Angle Transducer	32
	Inline Transducer	34

Precision DC Nutrunners

Series Information

QE Series

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.

- Torque range 0.3 to 320 Nm
- Speed 500 to 3,000 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and process communication
- Easy-to-use reverse ring
- Compact, high-speed, easily accessible control
- Preventive maintenance alerts
- Bright LEDs provide visible status indicators
- Tact alert provides positive feedback to the operator without distracting from the task
- High-temperature motor protection
- Comfortable ergonomic grip



QE2PT002P10Q04

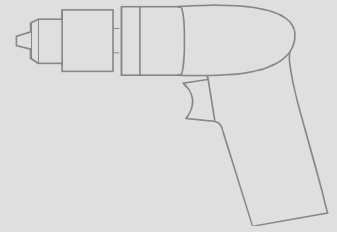


QE2AL003PA1S04



QE2SP002P10Q04

Precision DC Nutrunners Pistol



Transducer

Ref.	CCN	Nm	Nm	M	rpm	kg	mm	mm	in	V
TRIGGER CONTROL										
QE2PT002P10Q04	46774634	0.3 – 1.6	2	M2	3000	0.66	250	19	¾"	IC 12 Controller
QE2PT002P10S04	46774642	0.3 – 1.6	2	M2	3000	0.66	242	19	¾"	IC 12 Controller
QE2PT003P10Q04	46774667	0.6 – 2.4	3	M2	2450	0.66	250	19	¾"	IC 12 Controller
QE2PT003P10S04	46774675	0.6 – 2.4	3	M2	2450	0.66	242	19	¾"	IC 12 Controller
QE2PT005P10Q04	46774691	1.0 – 4.0	5	M2	1700	0.66	250	19	¾"	IC 12 Controller
QE2PT005P10S04	46774709	1.0 – 4.0	5	M2	1700	0.66	242	19	¾"	IC 12 Controller
QE2PT007P10Q04	46774725	1.3 – 5.6	7	M2	1250	0.66	250	19	¾"	IC 12 Controller
QE2PT007P10S04	46774733	1.3 – 5.6	7	M2	1250	0.66	242	19	¾"	IC 12 Controller
QE2PT010P10Q04	46774758	2.0 – 8.0	10	M4	850	0.66	250	19	¾"	IC 12 Controller
QE2PT010P10S04	46774766	2.0 – 8.0	10	M4	850	0.66	242	19	¾"	IC 12 Controller
QE4PT010P10Q04	80175607	2.0 – 8.0	10	M4	1820	1.20	243		¾"	IC 12 Controller
QE4PT010P10S04	80175615IRI	2.0 – 8.0	10	M4	1820	1.20	230		¾"	IC 12 Controller
QE4PT015P10Q04	80175706IRI	3.0 – 12.0	15	M5	1220	1.20	243		¾"	IC 12 Controller
QE4PT015P10S04	80175714IRI	3.0 – 12.0	15	M5	1220	1.20	230		¾"	IC 12 Controller
QE4PT020P10S06	80175805IRI	4.0 – 16.0	20	M6	900	1.20	234		¾"	IC 12 Controller
QE4PT025P10S06	80175888IRI	5.0 – 20.0	25	M6	710	1.20	234		¾"	IC 12 Controller
TRIGGER + PUSH START										
QE2PP002P11Q04	46774337	0.3 – 1.6	2	M2	3000	0.66	250	19	¾"	IC 12 Controller
QE2PP002P11S04	46774345	0.3 – 1.6	2	M2	3000	0.66	242	19	¾"	IC 12 Controller
QE2PP003P11Q04	46774360	0.6 – 2.4	3	M2	2450	0.66	250	19	¾"	IC 12 Controller
QE2PP003P11S04	46774378	0.6 – 2.4	3	M2	2450	0.66	242	19	¾"	IC 12 Controller
QE2PP005P11Q04	46774394	1.0 – 4.0	5	M2	1700	0.66	250	19	¾"	IC 12 Controller
QE2PP005P11S04	46774402	1.0 – 4.0	5	M2	1700	0.66	242	19	¾"	IC 12 Controller
QE2PP007P11Q04	46774428	1.3 – 5.6	7	M2	1250	0.66	250	19	¾"	IC 12 Controller
QE2PP007P11S04	46774436	1.3 – 5.6	7	M2	1250	0.66	242	19	¾"	IC 12 Controller
QE2PP010P11Q04	46774451	2.0 – 8.0	10	M4	850	0.66	250	19	¾"	IC 12 Controller
QE2PP010P11S04	46774469	2.0 – 8.0	10	M4	850	0.66	242	19	¾"	IC 12 Controller
PUSH START										
QE2PS002P11Q04	46774485	0.3 – 1.6	2	M2	3000	0.66	250	19	¾"	IC 12 Controller
QE2PS002P11S04	46774493	0.3 – 1.6	2	M2	3000	0.66	242	19	¾"	IC 12 Controller
QE2PS003P11Q04	46774519	0.6 – 2.4	3	M2	2450	0.66	250	19	¾"	IC 12 Controller
QE2PS003P11S04	46774527	0.6 – 2.4	3	M2	2450	0.66	242	19	¾"	IC 12 Controller
QE2PS005P11Q04	46774543	1.0 – 4.0	5	M2	1700	0.66	250	19	¾"	IC 12 Controller
QE2PS005P11S04	46774550	1.0 – 4.0	5	M2	1700	0.66	242	19	¾"	IC 12 Controller
QE2PS007P11Q04	46774576	1.3 – 5.6	7	M2	1250	0.66	250	19	¾"	IC 12 Controller
QE2PS007P11S04	46774584	1.3 – 5.6	7	M2	1250	0.66	242	19	¾"	IC 12 Controller
QE2PS010P11Q04	46774600	2.0 – 8.0	10	M4	850	0.66	250	19	¾"	IC 12 Controller
QE2PS010P11S04	46774618	2.0 – 8.0	10	M4	850	0.66	242	19	¾"	IC 12 Controller

Precision DC Nutrunners

Angle

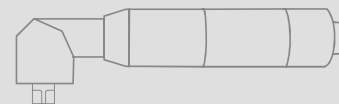


Transducer



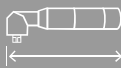

Ref.	CCN	Nm	Nm MAX		1 min rpm	kg	mm	mm	mm	in	V
LEVER CONTROL											
QE2AL003PA1S04	46774006	0.8 – 3.2	4	M2	1750	0.83	312	27	9	¼" □	IC 12 Controller
QE2AL005PA3H04	46774196	1.0 – 4.0	5	M2	1590	0.95	318	34	13	¼" ○	IC 12 Controller
QE2AL005PA3Q04	46774204	1.0 – 4.0	5	M2	1590	0.95	318	34	13	¼" ⊙	IC 12 Controller
QE2AL005PA3S04	46774170	1.0 – 4.0	5	M2	1590	0.95	318	34	13	¼" □	IC 12 Controller
QE2AL005PA3S06	46774188	1.0 – 4.0	5	M2	1590	0.95	318	34	13	⅜" □	IC 12 Controller
QE2AL007PA3H04	46774238	1.4 – 5.6	7	M2	1100	0.95	318	34	13	¼" ○	IC 12 Controller
QE2AL007PA3Q04	46774246	1.4 – 5.6	7	M2	1100	0.95	318	34	13	¼" ⊙	IC 12 Controller
QE2AL007PA3S06	46774220	1.4 – 5.6	7	M2	1100	0.95	318	34	13	⅜" □	IC 12 Controller
QE2AL010PA3H04	46774279	2.0 – 8.0	10	M4	730	0.95	318	34	13	¼" ○	IC 12 Controller
QE2AL010PA3Q04	46774287	2.0 – 8.0	10	M4	730	0.95	318	34	13	¼" ⊙	IC 12 Controller
QE2AL010PA3S04	46774253	2.0 – 8.0	10	M4	730	0.95	318	34	13	¼" □	IC 12 Controller
QE2AL010PA3S06	46774261	2.0 – 8.0	10	M4	730	0.95	318	34	13	⅜" □	IC 12 Controller
QE2AL015PA3H04	46774311	3.0 – 12.0	15	M4	560	0.95	318	34	13	¼" ○	IC 12 Controller
QE2AL015PA3Q04	46774329	3.0 – 12.0	15	M4	560	0.95	318	34	13	¼" ⊙	IC 12 Controller
QE2AL015PA3S04	46774295	3.0 – 12.0	15	M4	560	0.95	318	34	13	¼" □	IC 12 Controller
QE2AL015PA3S06	46774303	3.0 – 12.0	15	M4	560	0.95	318	34	13	⅜" □	IC 12 Controller
QE4AT013PA2H04	16676876	3.0 – 10.0	13	M5	1200	1.30	383	32	13	¼" ○	IC 12 Controller
QE4AT013PA2Q04	16676884	3.0 – 10.0	13	M5	1200	1.30	383	32	13	¼" ⊙	IC 12 Controller
QE4AT013PA2S04	18427146	3.0 – 10.0	13	M5	1200	1.30	383	32	13	¼" □	IC 12 Controller
QE4AT013PA2S06	18427153	3.0 – 10.0	13	M5	1200	1.30	383	32	13	⅜" □	IC 12 Controller
QE4AT020PA2H04	16676918	4.0 – 16.0	20	M6	820	1.30	383	32	13	¼" ○	IC 12 Controller
QE4AT020PA2Q04	16676926	4.0 – 16.0	20	M6	820	1.30	383	32	13	¼" ⊙	IC 12 Controller
QE4AT020PA2S04	18427179	4.0 – 16.0	20	M6	820	1.30	383	32	13	¼" □	IC 12 Controller
QE4AT020PA2S06	16675464IRI	4.0 – 16.0	20	M6	820	1.30	383	32	13	⅜" □	IC 12 Controller
QE4AT027PA4S06	18427187	5.0 – 22.0	27	M8	600	1.30	387	42	17	⅜" □	IC 12 Controller
QE4AT027PA4S08	18427195	5.0 – 22.0	27	M8	600	1.30	387	42	17	½" □	IC 12 Controller
QE4AT034PA4S06	16675167	7.0 – 27.0	34	M8	470	1.30	387	42	17	⅜" □	IC 12 Controller
QE4AT034PA4S08	16676967	7.0 – 27.0	34	M8	470	1.30	387	42	17	½" □	IC 12 Controller
QE6AT030PA2S06	16674749	6.0 – 24.0	30	M8	1230	1.90	442	32	13	⅜" □	IC 12 Controller
QE6AT030PA4S08	18427351	6.0 – 24.0	30	M8	1230	1.90	447	42	17	½" □	IC 12 Controller
QE6AT040PA4S06	16675472	8.0 – 32.0	40	M8	910	1.90	447	42	17	⅜" □	IC 12 Controller
QE6AT040PA4S08	16675480	8.0 – 32.0	40	M8	910	1.90	447	42	17	½" □	IC 12 Controller
QE6AT055PA5S08	47130174	11.0 – 44.0	55	M10	650	1.90	453	45	22	½" □	IC 12 Controller

Precision DC Nutrunners

Angle



Transducer












Ref.	CCN	 Nm	 Nm	 M	 rpm	 kg	 mm	 mm	 mm	 in	 V
QE6AT080PA5S08	16674947	16.0 – 64.0	80	M10	440	1.90	453	45	22	½" □	IC 12 Controller
QE8AT065PA5S08	18427526	13.0 – 52.0	65	M10	1200	2.90	516	45	22	½" □	IC 12 Controller
QE8AT070PA5S08	18427534	14.0 – 56.0	70	M10	1100	2.90	516	45	22	½" □	IC 12 Controller
QE8AT090PA5S08	16675662	17.0 – 72.0	90	M10	850	2.90	516	45	22	½" □	IC 12 Controller
QE8AT115PA6S08	15969975	23.0 – 92.0	115	M12	660	2.90	520	50	24	½" □	IC 12 Controller
QE8AT150PA6S08	16675779	30.0 – 120.0	150	M12	510	2.90	520	50	24	½" □	IC 12 Controller
QE8AT225PA7S12	16679086	45.0 – 180.0	225	M16	310	4.10	575	55	28	¾" □	IC 12 Controller
QE8AT400FA8S12	16679094	80.0 – 320.0	400	M18	170	6.00	635	69	33	¾" □	IC 12 Controller

Precision DC Nutrunners

Inline



Transducer












Ref.	CCN	 Nm	 Nm	 M	 rpm	 kg	 mm	 mm	 mm	 mm	 in	 V
LEVER CONTROL												
QE2SL002F32S06	46774832	0.3 – 1.6	2	M2	3000	0.91	342	19	32	19	3/8" □	IC 12 Controller
QE2SL002P10Q04	46774881	0.3 – 1.6	2	M2	3000	0.60	250			22	1/4" ⚙	IC 12 Controller
QE2SL002P10S04	46774899	0.3 – 1.6	2	M2	3000	0.60	242			22	1/4" □	IC 12 Controller
QE2SL003F32S06	46774840	0.6 – 2.4	3	M2	2450	0.91	342	19	32	19	3/8" □	IC 12 Controller
QE2SL003P10Q04	46774915	0.6 – 2.4	3	M2	2450	0.60	250			22	1/4" ⚙	IC 12 Controller
QE2SL003P10S04	46774923	0.6 – 2.4	3	M2	2450	0.60	242			22	1/4" □	IC 12 Controller
QE2SL005F32S06	46774857	1.0 – 4.0	5	M2	1700	0.91	342	19	32	19	3/8" □	IC 12 Controller
QE2SL005P10Q04	46774949	1.0 – 4.0	5	M2	1700	0.60	250			22	1/4" ⚙	IC 12 Controller
QE2SL005P10S04	46774956	1.0 – 4.0	5	M2	1700	0.60	242			22	1/4" □	IC 12 Controller
QE2SL007F32S06	46774865	1.3 – 5.6	7	M2	1250	0.91	342	19	32	19	3/8" □	IC 12 Controller
QE2SL007P10Q04	46774972	1.3 – 5.6	7	M2	1250	0.60	250			22	1/4" ⚙	IC 12 Controller
QE2SL007P10S04	46774980	1.3 – 5.6	7	M2	1250	0.60	242			22	1/4" □	IC 12 Controller
QE2SL010F32S06	46774873	2.0 – 8.0	10	M4	850	0.91	342	19	32	19	3/8" □	IC 12 Controller
QE2SL010P10Q04	46775003	2.0 – 8.0	10	M4	850	0.60	250			22	1/4" ⚙	IC 12 Controller
QE2SL010P10S04	46775011	2.0 – 8.0	10	M4	850	0.60	242			22	1/4" □	IC 12 Controller
QE4ST010B20S06		2.0 – 8.0	10	M4	1820	1.20	386		40	25	3/8" □	IC 12 Controller
QE4ST010B21S06	16985327	2.0 – 8.0	10	M4	1820	1.20	386	19	40	25	3/8" □	IC 12 Controller
QE4ST015B20S06	48389555	3.0 – 11.0	15	M5	1220	1.20	386		40	25	3/8" □	IC 12 Controller
QE4ST015B21S06	16985350	3.0 – 11.0	15	M5	1220	1.20	386	19	40	25	3/8" □	IC 12 Controller
QE4ST020B20S06	45501988	4.0 – 16.0	20	M6	900	1.20	386		40	25	3/8" □	IC 12 Controller
QE4ST020B21S06	16985384	4.0 – 16.0	20	M6	900	1.20	386	19	40	25	3/8" □	IC 12 Controller
QE4ST025B20S06	48394746	5.0 – 20.0	25	M6	710	1.20	386		40	25	3/8" □	IC 12 Controller
QE4ST025B21S06	16985418	5.0 – 20.0	25	M6	710	1.20	386	19	40	25	3/8" □	IC 12 Controller
QE6ST020F41S06	10564946IRI	4.0 – 16.0	20	M6	1840	2.10	501	19	113	27	3/8" □	IC 12 Controller
QE6ST020F61S06	10565638	4.0 – 16.0	20	M6	1840	2.10	544	38	144	27	3/8" □	IC 12 Controller
QE6ST028F41S06	16985434	6.0 – 22.0	28	M8	1360	2.10	501	19	113	27	3/8" □	IC 12 Controller
QE6ST028F61S06	10565786	6.0 – 22.0	28	M8	1360	2.10	544	38	144	27	3/8" □	IC 12 Controller
QE6ST033F41S06	16985442	7.0 – 26.0	33	M8	1130	2.10	501	19	113	27	3/8" □	IC 12 Controller
QE6ST033F61S06	10566321IRI	7.0 – 26.0	33	M8	1130	2.10	544	38	144	27	3/8" □	IC 12 Controller
QE6ST050F41S08	16985459	10.0 – 40.0	50	M10	760	2.10	501	19	113	27	1/2" □	IC 12 Controller
QE6ST050F61S08	10566826IRI	10.0 – 40.0	50	M10	760	2.10	544	38	144	27	1/2" □	IC 12 Controller
QE8ST055F41S08	10567956IRI	11.0 – 44.0	55	M10	1470	3.00	557	19	109	30	1/2" □	IC 12 Controller
QE8ST055F61S08	10568004IRI	11.0 – 44.0	55	M10	1470	3.00	608	38	141	30	1/2" □	IC 12 Controller
QE8ST070F41S08	16985475	14.0 – 56.0	70	M10	1160	3.00	557	19	109	30	1/2" □	IC 12 Controller
QE8ST070F61S08	10568178IRI	14.0 – 56.0	70	M10	1160	3.00	608	38	141	30	1/2" □	IC 12 Controller
QE8ST090F41S08	16675753	18.0 – 72.0	90	M10	900	3.00	557	19	109	30	1/2" □	IC 12 Controller

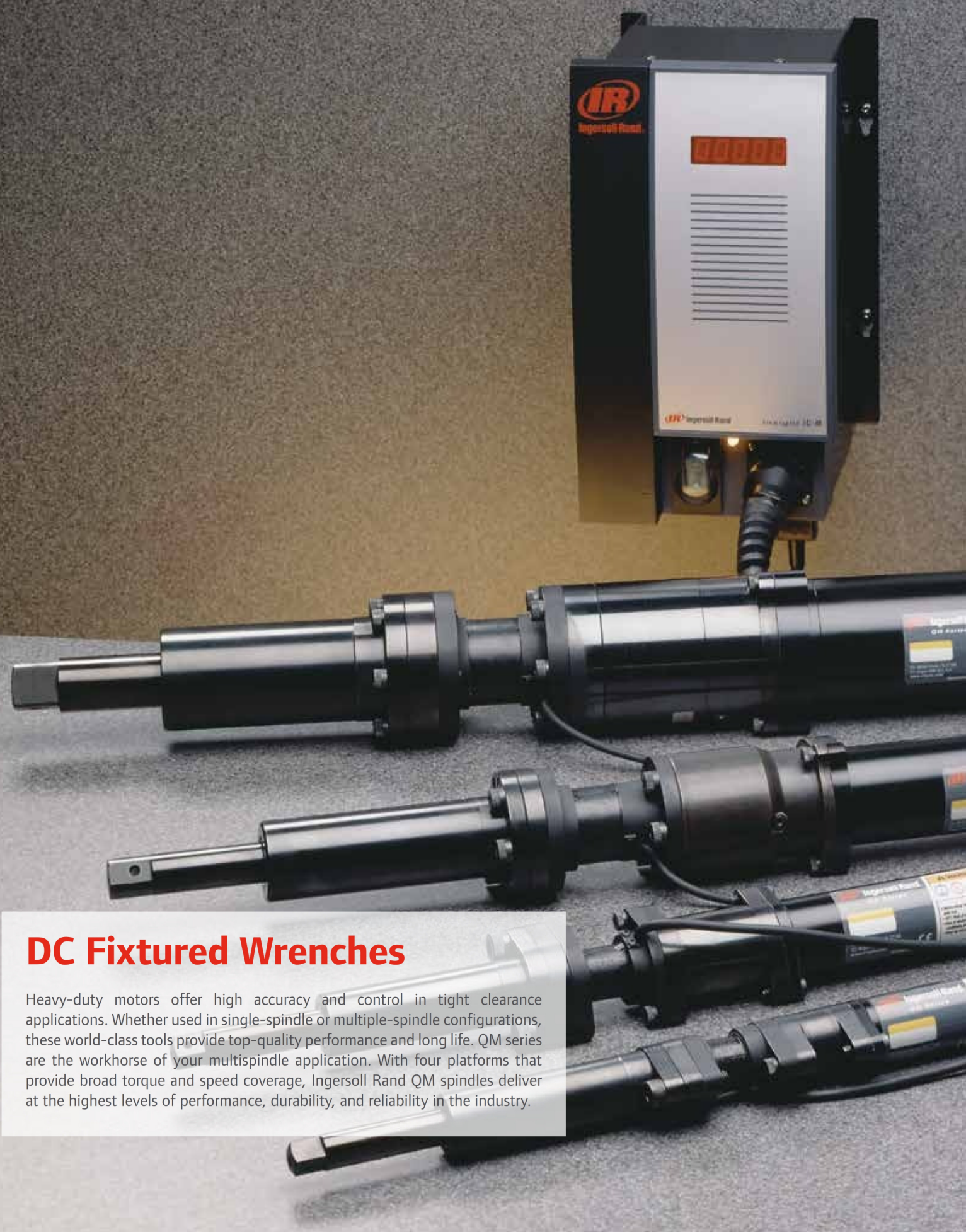
Precision DC Nutrunners

Inline



Transducer

Ref.	CCN	 Nm	 MAX Nm	 M	 rpm	 kg	 mm	 mm	 mm	 mm	 in	 V
QE8ST090F61S08	10568277IRI	18.0 – 72.0	90	M10	900	3.00	608	38	141	30	1/2" □	IC 12 Controller
QE8ST150F41S08	16985483	30.0 – 120.0	150	M12	500	3.40	572	19	109	31	1/2" □	IC 12 Controller
QE8ST150F61S08	10568327IRI	30.0 – 120.0	150	M12	500	3.40	623	38	150	31	1/2" □	IC 12 Controller
QE8ST230F61S08	45497187	46.0 – 184.0	230	M18	340	5.50	710	38	150	36	1/2" □	IC 12 Controller
QE8ST230F62S12	18427674	46.0 – 184.0	230	M18	340	5.50	717	38	155	36	3/4" □	IC 12 Controller
QE8ST230F82S12	45601366	46.0 – 184.0	230	M18	340	5.50	768	38	155	36	3/4" □	IC 12 Controller
LEVER + PUSH START												
QE2SP002P11Q04	46775037	0.3 – 1.6	2	M2	3000	0.60	250			22	1/4" ⦿	IC 12 Controller
QE2SP002P11S04	46775045	0.3 – 1.6	2	M2	3000	0.60	242			22	1/4" □	IC 12 Controller
QE2SP003P11Q04	46775060	0.6 – 2.4	3	M2	2450	0.60	250			22	1/4" ⦿	IC 12 Controller
QE2SP003P11S04	46775078	0.6 – 2.4	3	M2	2450	0.60	242			22	1/4" □	IC 12 Controller
QE2SP005P11Q04	46775094	1.0 – 4.0	5	M2	1700	0.60	250			22	1/4" ⦿	IC 12 Controller
QE2SP005P11S04	46775102	1.0 – 4.0	5	M2	1700	0.60	242			22	1/4" □	IC 12 Controller
QE2SP007P11Q04	46775128	1.3 – 5.6	7	M2	1250	0.60	250			22	1/4" ⦿	IC 12 Controller
QE2SP007P11S04	46775136	1.3 – 5.6	7	M2	1250	0.60	242			22	1/4" □	IC 12 Controller
QE2SP010P11Q04	46775151	2.0 – 8.0	10	M4	850	0.60	250			22	1/4" ⦿	IC 12 Controller
QE2SP010P11S04	46775169	2.0 – 8.0	10	M4	850	0.60	242			22	1/4" □	IC 12 Controller
PUSH START												
QE2TS002P11Q04	46775185	0.3 – 1.6	2	M2	3000	0.57	250			22	1/4" ⦿	IC 12 Controller
QE2TS002P11S04	46775193	0.3 – 1.6	2	M2	3000	0.57	242			22	1/4" □	IC 12 Controller
QE2TS003P11Q04	46775219	0.6 – 2.4	3	M2	2450	0.57	250			22	1/4" ⦿	IC 12 Controller
QE2TS003P11S04	46775227	0.6 – 2.4	3	M2	2450	0.57	242			22	1/4" □	IC 12 Controller
QE2TS005P11Q04	46775243	1.0 – 4.0	5	M2	1700	0.57	250			22	1/4" ⦿	IC 12 Controller
QE2TS005P11S04	46775250	1.0 – 4.0	5	M2	1700	0.57	242			22	1/4" □	IC 12 Controller
QE2TS007P11Q04	46775276	1.3 – 5.6	7	M2	1250	0.57	250			22	1/4" ⦿	IC 12 Controller
QE2TS007P11S04	46775284	1.3 – 5.6	7	M2	1250	0.57	242			22	1/4" □	IC 12 Controller
QE2TS010P11Q04	46775300	2.0 – 8.0	10	M4	850	0.57	250			22	1/4" ⦿	IC 12 Controller
QE2TS010P11S04	46775318	2.0 – 8.0	10	M4	850	0.57	242			22	1/4" □	IC 12 Controller
QE4TS010R11Q04	16678955	2.0 – 8.0	10	M4	1820	1.20	363			25	1/4" ⦿	IC 12 Controller
QE4TS010R11S04	16678963	2.0 – 8.0	10	M4	1820	1.20	343			25	1/4" □	IC 12 Controller
QE4TS010R11S06	16678971	2.0 – 8.0	10	M4	1820	1.20	343			25	3/8" □	IC 12 Controller
QE4TS015R11Q04	18427278	3.0 – 12.0	15	M5	1220	1.20	363			25	1/4" ⦿	IC 12 Controller
QE4TS015R11S04	16678989	3.0 – 12.0	15	M5	1220	1.20	343			25	1/4" □	IC 12 Controller
QE4TS015R11S06	16678997	3.0 – 12.0	15	M5	1220	1.20	343			25	3/8" □	IC 12 Controller
QE4TS020R11S06	16679003	4.0 – 16.0	20	M6	900	1.20	343			25	3/8" □	IC 12 Controller
QE4TS025R11S06	16679011	5.0 – 20.0	25	M6	710	1.20	343			25	3/8" □	IC 12 Controller



DC Fixtured Wrenches

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. QM series are the workhorse of your multispindle application. With four platforms that provide broad torque and speed coverage, Ingersoll Rand QM spindles deliver at the highest levels of performance, durability, and reliability in the industry.



DC Fixtured Wrenches

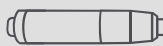
QE Electric Fixtured Wrenches



Angle

Transducer

39

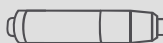


Inline

Transducer

40

QM Electric Spindles



Inline

Transducer

42

Accessories

44

DC Fixtured Wrenches

Series Information

QE Series

Delivers all the benefits of the standard QE Series. Heavy-duty gear train and DC brushless motor create a durable package that will keep the line running smoothly and maintenance costs down. Integral offset spindle models satisfy tight clearance requirements.

- Torque range 0.3 to 320 Nm
- Speed 170 to 3,000 rpm
- True closed-loop transducerized control provides exceptional accuracy
- Advanced tightening strategies and process communication
- No switch on the tool, heavy-duty gear train and DC brushless motor provide exceptional durability
- Preventive maintenance alerts
- Bright LEDs provide visible status indicators
- QE6Z and QE8Z electric fixtured offset wrenches



QE6AC040FA4S06



QE2SC002F32S06



QE6ZC020P52S06

QM Series

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

- Torque range 2 to 1,900 Nm
- Speed 25 to 1,382 rpm
- Better than 5% capability
- High-duty cycle motors and components provide excellent durability
- External electronics pod simplifies integration
- Available with or without spindles in a variety of lengths and drive options





































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DC Fixtured Wrenches

QE Electric Fixtured Wrenches | Angle



Transducer










Ref.	CCN	 Nm	 MAX Nm	 M	 rpm	 kg	 mm	 mm	 mm	 in
QE4AC013BA2H04		3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4" 
QE4AC013BA2Q04		3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4" 
QE4AC013BA2S04	47125729	3.0 – 10.0	13	M5	1200	1.30	383	32	13	1/4" 
QE4AC013BA2S06		3.0 – 10.0	13	M5	1200	1.30	383	32	13	3/8" 
QE4AC020BA2H04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4" 
QE4AC020BA2Q04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4" 
QE4AC020BA2S04		4.0 – 16.0	20	M6	820	1.30	383	32	13	1/4" 
QE4AC020BA2S06	45669959	4.0 – 16.0	20	M6	820	1.30	383	32	13	3/8" 
QE4AC027BA4S06	80235666	5.0 – 22.0	27	M8	600	1.30	387	42	17	3/8" 
QE4AC027BA4S08		5.0 – 22.0	27	M8	600	1.30	387	42	17	1/2" 
QE6AC030FA2S06		6.0 – 24.0	30	M8	1230	1.90	442	32	13	3/8" 
QE6AC030FA4S08	47526343001	6.0 – 24.0	30	M8	1230	1.90	447	42	17	1/2" 
QE4AC034BA4S06	45645041	7.0 – 27.0	34	M8	470	1.30	387	42	17	3/8" 
QE4AC034BA4S08		7.0 – 27.0	34	M8	470	1.30	387	42	17	1/2" 
QE6AC040FA4S06		8.0 – 32.0	40	M8	910	1.90	447	42	17	3/8" 
QE6AC040FA4S08	47082037	8.0 – 32.0	40	M8	910	1.90	447	42	17	1/2" 
QE6AC055FA5S08	47096227	11.0 – 44.0	55	M10	650	1.90	453	45	22	1/2" 
QE8AC065FA5S08		13.0 – 52.0	65	M10	1200	2.90	516	45	22	1/2" 
QE8AC070FA5S08	18427450	14.0 – 56.0	70	M10	1100	2.90	516	45	22	1/2" 
QE6AC080FA5S08		16.0 – 64.0	80	M10	440	1.90	453	45	22	1/2" 
QE8AC090FA5S08	47096656	18.0 – 72.0	90	M10	850	2.90	516	45	22	1/2" 
QE8AC115FA6S08	80217300	23.0 – 92.0	115	M12	660	2.90	520	50	24	1/2" 
QE8AC150FA6S08	45634664	30.0 – 120.0	150	M12	510	2.90	520	50	24	1/2" 
QE8AC225FA7S12	80217292	45.0 – 180.0	225	M16	310	4.10	575	55	28	3/4" 
QE8AC400FA8S12	18427468	80.0 – 320.0	400	M18	170	6.00	635	69	33	3/4" 

DC Fixtured Wrenches

QE Electric Fixtured Wrenches | Inline



Transducer










Ref.	CCN	 Nm	 Nm		 rpm	 kg	 mm	 mm	 mm	 in
QE2SC002F32S06	46774782	0.3 – 1.6	2	M2	3000	0.91	342	19	32	3/8" □
QE2SC003F32S06	46774790	0.6 – 2.4	3	M2	2450	0.91	342	19	32	3/8" □
QE2SC005F32S06	46774808IRI	1.0 – 4.0	5	M2	1700	0.91	342	19	32	3/8" □
QE2SC007F32S06	46774816	1.3 – 5.6	7	M2	1250	0.91	342	19	32	3/8" □
QE2SC010F32S06	46774824	2.0 – 8.0	10	M4	850	0.91	342	19	32	3/8" □
QE4SC010B20S06		2.0 – 8.0	10	M4	1820	1.20	386		40	3/8" □
QE4SC010B21S06	80239049	2.0 – 8.0	10	M4	1820	1.20	386	19	40	3/8" □
QE4SC010B41S06	16986721	2.0 – 8.0	10	M4	1820	1.20	437	19	74	3/8" □
QE4SC015B20S06		3.0 – 11.0	15	M5	1220	1.20	386		40	3/8" □
QE4SC015B21S06	45506961	3.0 – 11.0	15	M5	1220	1.20	386	19	40	3/8" □
QE4SC015B41S06	16986739	3.0 – 11.0	15	M5	1220	1.20	437	19	74	3/8" □
QE4SC020B20S06		4.0 – 16.0	20	M6	900	1.20	386		40	3/8" □
QE4SC020B21S06	45659398	4.0 – 16.0	20	M6	900	1.20	386	19	40	3/8" □
QE4SC020B41S06	16986747	4.0 – 16.0	20	M6	900	1.20	437	19	74	3/8" □
QE4SC025B20S06		5.0 – 20.0	25	M6	710	1.20	386		40	3/8" □
QE4SC025B21S06	47100953	5.0 – 20.0	25	M6	710	1.20	386	19	40	3/8" □
QE4SC025B41S06	16986754	5.0 – 20.0	25	M6	710	1.20	437	19	74	3/8" □
QE6SC020F41S06	18427369	4.0 – 16.0	20	M6	1840	2.10	501	19	113	3/8" □
QE6SC020F61S06	16986762	4.0 – 16.0	20	M6	1840	2.10	544	38	144	3/8" □
QE6SC020F81S06	18427377	4.0 – 16.0	20	M6	1840	2.10	594	38	195	3/8" □
QE6SC028F41S06	16993685	6.0 – 22.0	28	M8	1360	2.10	501	19	113	3/8" □
QE6SC028F61S06	16986770	6.0 – 22.0	28	M8	1360	2.10	544	38	144	3/8" □
QE6SC028F81S06		6.0 – 22.0	28	M8	1360	2.10	594	38	195	3/8" □
QE6SC033F41S06	18427385	7.0 – 26.0	33	M8	1130	2.10	501	19	113	3/8" □
QE6SC033F61S06	16986788	7.0 – 26.0	33	M8	1130	2.10	544	38	144	3/8" □
QE6SC033F81S06	48376503	7.0 – 26.0	33	M8	1130	2.10	594	38	195	3/8" □
QE6SC050F41S08	18427419	10.0 – 40.0	50	M10	760	2.10	501	19	113	1/2" □
QE6SC050F61S08	16986796	10.0 – 40.0	50	M10	760	2.10	544	38	144	1/2" □
QE6SC050F81S08		10.0 – 40.0	50	M10	760	2.10	594	38	195	1/2" □
QE6ZC020P42S06	10567030IRI	4.0 – 16.0	20	M6	1840	2.50	664	51	130	3/8" □
QE6ZC020P52S06	16986846IRI	4.0 – 16.0	20	M6	1840	2.50	647	51	130	3/8" □
QE6ZC028P52S06	16987315	5.0 – 20.0	28	M8	1360	2.50	647	51	130	3/8" □
QE6ZC033P52S06	10567436IRI	7.0 – 26.0	33	M8	1130	2.50	647	51	130	3/8" □
QE6ZC050P52S06	16678039	10.0 – 40.0	50	M10	760	2.50	647	51	130	3/8" □
QE8SC055F41S08	80240401	11.0 – 44.0	55	M10	1470	3.00	557	19	109	1/2" □
QE8SC055F61S08	16986804	11.0 – 44.0	55	M10	1470	3.00	608	38	140	1/2" □

DC Fixtured Wrenches

QE Electric Fixtured Wrenches | Inline



Transducer










Ref.	CCN	 Nm	 MAX Nm		 rpm	 kg	 mm	 mm	 mm	 in
QE8SC055F81S08	47087101	11.0 – 44.0	55	M10	1470	3.00	659	38	191	1/2" □
QE8SC070F41S08	18427575	14.0 – 56.0	70	M10	1160	3.00	557	19	109	1/2" □
QE8SC070F61S08	16986812	14.0 – 56.0	70	M10	1160	3.00	608	38	140	1/2" □
QE8SC070F81S08		14.0 – 56.0	70	M10	1160	3.00	659	38	191	1/2" □
QE8SC090F41S08	18427609	18.0 – 72.0	90	M10	900	3.00	557	19	109	1/2" □
QE8SC090F61S08	16985517	18.0 – 72.0	90	M10	900	3.00	608	38	140	1/2" □
QE8SC090F81S08	16985509	18.0 – 72.0	90	M10	900	3.00	659	38	191	1/2" □
QE8SC150F41S08	80165962	30.0 – 120.0	150	M12	500	3.40	572	19	109	1/2" □
QE8SC150F61S08	16986820	30.0 – 120.0	150	M12	500	3.40	623	38	140	1/2" □
QE8SC150F81S08	45634656	30.0 – 120.0	150	M12	500	3.40	674	38	191	1/2" □
QE8SC230F02S12		45.0 – 185.0	230		340	5.50	812	50	241	3/4" □
QE8SC230F22S12		45.0 – 185.0	230		340	5.50	853	50	291	3/4" □
QE8SC230F62S12	16989055	45.0 – 185.0	230		340	5.50	710	50	140	3/4" □
QE8SC230F82S12	16986838	45.0 – 185.0	230		340	5.50	761	50	191	3/4" □
QE8ZC055F52S06	10568376IRI	11.0 – 44.0	55	M10	1470	3.00	723	51	130	3/8" □
QE8ZC070F02S08		14.0 – 56.0	70	M10	1160	3.00	888	51	295	1/2" □
QE8ZC070F22S08		14.0 – 56.0	70	M10	1160	3.00	939	51	346	1/2" □
QE8ZC070F62S08	18427682	14.0 – 56.0	70	M10	1160	3.00	786	51	194	1/2" □
QE8ZC070F82S08		14.0 – 56.0	70	M10	1160	3.00	837	51	245	1/2" □
QE8ZC090F02S08		18.0 – 72.0	90	M10	900	4.00	888	51	295	1/2" □
QE8ZC090F22S08		18.0 – 72.0	90	M10	900	4.00	939	51	346	1/2" □
QE8ZC090F62S08	16985491	18.0 – 72.0	90	M10	900	4.00	786	51	194	1/2" □
QE8ZC090F82S08		18.0 – 72.0	90	M10	900	4.00	837	51	245	1/2" □
QE8ZC150F02S08		30.0 – 120.0	150	M12	500	4.00	888	51	295	1/2" □
QE8ZC150F22S08	42709741	30.0 – 120.0	150	M12	500	4.00	939	51	346	1/2" □
QE8ZC150F62S08	42712901	30.0 – 120.0	150	M12	500	4.00	786	51	194	1/2" □
QE8ZC150F82S08		30.0 – 120.0	150	M12	500	4.00	837	51	245	1/2" □

DC Fixtured Wrenches

QM Electric Spindles | Inline



Transducer











Ref.	CCN	 Nm	 MAX Nm		 rpm	 kg	 mm	 mm	 mm	 in
QM3SS008H22S06	18453217	2.0 – 6.0	8	M4	1382	2.70	599	50	300	3/8" □
QM3SS008H22S08	18453225	2.0 – 6.0	8	M4	1382	2.70	599	50	300	1/2" □
QM3SS008H62S06	18453175	2.0 – 6.0	8	M4	1382	2.40	449	50	150	3/8" □
QM3SS008H62S08	18453183	2.0 – 6.0	8	M4	1382	2.40	449	50	150	1/2" □
QM3SS008H92S06	18453191	2.0 – 6.0	8	M4	1382	2.40	524	50	225	3/8" □
QM3SS008H92S08	18453209	2.0 – 6.0	8	M4	1382	2.50	524	50	225	1/2" □
QM3SS012H22S06	18453266	3.0 – 10.0	12	M4	927	2.70	599	50	300	3/8" □
QM3SS012H22S08	18453274	3.0 – 10.0	12	M4	927	2.70	599	50	300	1/2" □
QM3SS012H62S06	18427690	3.0 – 10.0	12	M4	927	2.40	449	50	150	3/8" □
QM3SS012H62S08	18453233	3.0 – 10.0	12	M4	927	2.40	449	50	150	1/2" □
QM3SS012H92S06	18453241	3.0 – 10.0	12	M4	927	2.50	524	50	225	3/8" □
QM3SS012H92S08	18453258	3.0 – 10.0	12	M4	927	2.50	524	50	225	1/2" □
QM3SS016H22S06	18453324	4.0 – 13.0	16	M4	686	2.70	599	50	300	3/8" □
QM3SS016H22S08	18453332	4.0 – 13.0	16	M4	686	2.70	599	50	300	1/2" □
QM3SS016H62S06	18453282	4.0 – 13.0	16	M4	686	2.40	449	50	150	3/8" □
QM3SS016H62S08	18453290	4.0 – 13.0	16	M4	686	2.40	449	50	150	1/2" □
QM3SS016H92S06	18453308	4.0 – 13.0	16	M4	686	2.50	524	50	225	3/8" □
QM3SS016H92S08	18453316	4.0 – 13.0	16	M4	686	2.50	524	50	225	1/2" □
QM3SS020H22S06	18453373IRI	5.0 – 16.0	20	M5	545	2.70	599	50	300	3/8" □
QM3SS020H22S08	18453381	5.0 – 16.0	20	M5	545	2.70	599	50	300	1/2" □
QM3SS020H62S06	18427708	5.0 – 16.0	20	M5	545	2.40	449	50	150	3/8" □
QM3SS020H62S08	16992604	5.0 – 16.0	20	M5	545	2.40	449	50	150	1/2" □
QM3SS020H92S06	18453357	5.0 – 16.0	20	M5	545	2.50	524	50	225	3/8" □
QM3SS020H92S08	18453365	5.0 – 16.0	20	M5	545	2.40	524	50	225	1/2" □
QM5SS035H22S06	18453431	9.0 – 28.0	35	M6	590	4.20	673	50	300	3/8" □
QM5SS035H22S08	18453449	9.0 – 28.0	35	M6	590	4.20	673	50	300	1/2" □
QM5SS035H62S06	18453399IRI	9.0 – 28.0	35	M6	590	3.90	523	50	150	3/8" □
QM5SS035H62S08	18453407	9.0 – 28.0	35	M6	590	3.90	523	50	150	1/2" □
QM5SS035H92S06	18453415	9.0 – 28.0	35	M6	590	4.00	598	50	225	3/8" □
QM5SS035H92S08	18453423	9.0 – 28.0	35	M6	590	4.00	598	50	225	1/2" □
QM5SS055H22S06	18453480	14.0 – 44.0	55	M6	507	4.20	673	50	300	3/8" □
QM5SS055H22S08	18453498	14.0 – 44.0	55	M6	507	4.20	673	50	300	1/2" □
QM5SS055H62S06	16992612	14.0 – 44.0	55	M6	507	3.90	523	50	150	3/8" □
QM5SS055H62S08	18453456IRI	14.0 – 44.0	55	M6	507	3.90	523	50	150	1/2" □
QM5SS055H92S06	18453464	14.0 – 44.0	55	M6	507	4.00	598	50	225	3/8" □
QM5SS055H92S08	18453472	14.0 – 44.0	55	M6	507	4.00	598	50	225	1/2" □

DC Fixtured Wrenches

QM Electric Spindles | Inline



Transducer

Ref.	CCN	 Nm	 Nm	 M	 rpm	 kg	 mm	 mm	 mm	 mm	 in
QM55S090H22S08	18453514	23.0 – 72.0	90	M8	280	4.20	673	50	300		½" □
QM55S090H62S08	18427716	23.0 – 72.0	90	M8	280	3.90	523	50	150		½" □
QM55S090H92S08	18453506IRI	23.0 – 72.0	90	M8	280	4.00	598	50	225		½" □
QM75S190H22S08	18453548IRI	48.0 – 152.0	190	M10	273	8.90	794	50	300		½" □
QM75S190H22S12	18453555	48.0 – 152.0	190	M10	273	8.90	794	50	300		¾" □
QM75S190H62S08	18453522	48.0 – 152.0	190	M10	273	8.40	645	50	150		½" □
QM75S190H62S12	18427724	48.0 – 152.0	190	M10	273	8.40	645	50	150		¾" □
QM75S190H92S08	18453530	48.0 – 152.0	190	M10	273	8.60	720	50	225		½" □
QM75S190H92S12		48.0 – 152.0	190	M10	273	8.60	720	50	225		¾" □
QM75S220H22S12	18453563	55.0 – 176.0	220	M10	233	8.90	794	50	300		¾" □
QM75S220H62S12	18427732IRI	55.0 – 176.0	220	M10	233	8.40	645	50	150		¾" □
QM75S220H92S12	80176076	55.0 – 176.0	220	M10	233	8.60	720	50	225		¾" □
QM95S315H22S12	18453605	79.0 – 250.0	315	M10	278	19.50	860	50	300		¾" □
QM95S315H22S16	18453613IRI	79.0 – 250.0	315	M10	278	19.60	860	50	300		1" □
QM95S315H62S12	18427740	79.0 – 250.0	315	M10	278	18.60	711	50	150		¾" □
QM95S315H62S16	18453571	79.0 – 250.0	315	M10	278	18.70	711	50	150		1" □
QM95S315H92S12	18453589	79.0 – 250.0	315	M10	278	19.10	786	50	225		¾" □
QM95S315H92S16	18453597	79.0 – 250.0	315	M10	278	19.20	786	50	225		1" □
QM95S435H22S12	18453662	109.0 – 346.0	435	M12	203	19.50	860	50	300		¾" □
QM95S435H22S16	18453670	109.0 – 346.0	435	M12	203	19.60	860	50	300		1" □
QM95S435H62S12	18453621	109.0 – 346.0	435	M12	203	18.60	711	50	150		¾" □
QM95S435H62S16	18453639	109.0 – 346.0	435	M12	203	18.70	711	50	150		1" □
QM95S435H92S12	18453647	109.0 – 346.0	435	M12	203	19.10	786	50	225		¾" □
QM95S435H92S16	18453654	109.0 – 346.0	435	M12	203	19.20	786	50	225		1" □
QM95S520H22S12	18453720	130.0 – 410.0	520	M12	170	19.50	860	50	300		¾" □
QM95S520H22S16	18453738	130.0 – 410.0	520	M12	170	19.60	860	50	300		1" □
QM95S520H62S12	18453688	130.0 – 410.0	520	M12	170	18.60	711	50	150		¾" □
QM95S520H62S16	18453696	130.0 – 410.0	520	M12	170	18.70	711	50	150		1" □
QM95S520H92S12	18453704	130.0 – 410.0	520	M12	170	19.10	786	50	225		¾" □
QM95S520H92S16	18453712	130.0 – 410.0	520	M12	170	19.20	786	50	225		1" □
QM95S650H62S16	18427757IRI	163.0 – 516.0	650	M14	136	18.70	711	50	150		1" □
QM95S650H92S16	18453746	163.0 – 516.0	650	M14	136	19.60	786	50	225		1" □
QM95S01KH62S16	80204761	250.0 – 800.0	1000	M16+	51	24.50	857	50	150		1" □
QM95S15CH62S24	80220718	250.0 – 1300.0	1500	M16+	51	32.00	869	50	150		1½" □
QM95S18CH62S24	80220734	270.0 – 1500.0	1800	M16+	37	32.00	869	50	150		1½" □
QM95S20CH62S24	80220759	300.0 – 1700.0	2000	M16+	31	32.00	869	50	150		1½" □
QM95S22CH62S24	45487535	330.0 – 1900.0	2250	M16+	25	32.00	869	50	150		1½" □

DC Fixtured Wrenches

Accessories

Power cable (QE & QM)

Type of cable	Length	Partnumber	CCN
Standard tool cable	3 m	GEA40-CORD-3M	22039887
	6 m	GEA40-CORD-6M	80162043
	10 m	GEA40-CORD-10M	80101959
Standard 90° cable (90° on side tool)	3 m	GEA40-CORD-3M-90	80101496
	6 m	GEA40-CORD-6M-90	80162050
	10 m	GEA40-CORD-10M-90	80120785
Flexible power cable	3 m	CPS2-CORD-3M	4553393
	6 m	CPS2-CORD-6M	45612173
	10 m	CPS2-CORD-10M	45612199
	15 m	CPS2-CORD-15M	47106091
	50 m	CPS2-CORD-50M	47106091
	6 m/90°	CCPS2-CORD-6M-90	45612272
Extension cable	10 m	GEA40-EXT-10M	80120702
	20 m	GEA40-EXT-20M	80120793
	40 m	GEA40-EXT-40M	80120801
90° Extension cable (Controller side)	1.5 m	GEA40-INT-02	80181423
	2 m	GEA40-INT-04	80181449
	2.5 m	GEA40-INT-06	80181464
	3 m	GEA40-INT-08	80181480



GEA40-CORD-3M-90

QE2 Motors

Tools are supplied with no front-end attachment, so that customized heads (including screwfeed attachments) can easily be assembled to the tool. To order a QE2 motor use the same model number as for the standard pistol and inline tool, but replace the last five digits with "MO" (e.g. QE2PS007PMO).



QE2PT010PMO

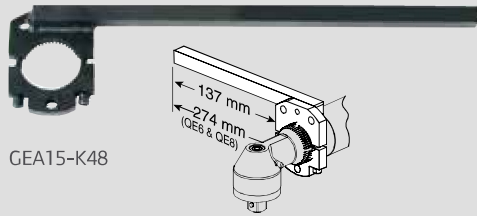


QE2SP005PMO

DC Fixtured Wrenches

Accessories

Accessories for QE Screwdrivers



GEA15-K48



7L-365

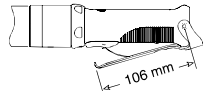
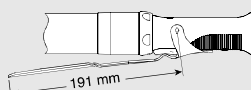
GEA40-K98EL



GEA40-K364

GEM120-K48

GEA4-K48

		Partnumber	CCN
Square mounting plate ⁽¹⁾	QE4 Series	GEA4-K48	4696456
	QE6 & QE8	DAM120-K48	4340535
Flanged mounting plate ⁽¹⁾	QE4 Series	15EA-K48	
	QE6 & QE8	GEM120-K48	80112790
Short lever kit			
	QE4, QE6 & QE8	GEA40-M98SL	80096985
Extended lever kit			
	QE4, QE6 & QE8	GEA40-K98EL	80146541
Reaction bar kit ⁽¹⁾	QE4 Series	GEA15-K48	80132509
	QE4TS Series	GEPTS15-K48	16046021
	QE6 & QE8	DEA120-K48 ⁽²⁾	4642369
Swivel hanger	QE2 Series	CP52-A365	45592979
	QE4 Series	GEA15-K364	45484722
Suspension bail	QE6 & QE8	GEA40-K364	4695565
	QE2, QE4	7L-365	3732922

(1) Require short coupling nut, ref. DAA4-27

(2) With a maximum torque of 150 Nm and for non-flanged models only



Angle Head Boots

Partnumber	CCN	Description
131995	53454708	{QE2...all models} {QE4...013/ ...020}
131997	53454724	{QE4...027/ ...034} {QE6...030/ ...040}
GEA40-172	80095409	{QE6...055/ ...080} {QE8...065/ ...070/ ...090}
GEA40-173	80095789	{QE8...115/ ...150}
GEA240-173	45533766	{QE8...225}



Control System – DC Tools

Our controllers are powerfully precise, fully programmable and can be seamlessly integrated with our tools to deliver real performance advantages. We pack extensive torque and angle control as well as process management capabilities into a small package. Standard features like Ethernet and I/O connections on every unit mean no hidden charges for maximizing communication to your network.



Control System – DC Tools

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Control System – DC Tools

Fastening Control System for QE & QM Series Electric Tools

Insight Display IC12D

Professional 1/4 VGA
216-color display is visible
from 20 ft (6.1 m).

The controller has 1,000
cycles of end-of-run
automatic data storage.

Standard Ethernet and
I/O connections optimize
communication and line
integration.

Dual-mode power supply:
90 – 120 VAC and
200 – 240 VAC.

Program up to eight basic
fastening configurations
and access all 256 stored in
memory.

Internal maximum ambient
operating temperatures of
0 – 50°C ensure reliable use
in demanding conditions
without risk of overheating.

Removable cover provides
easy access to connections
and terminals.

Easy installation and
set-up with convenient
bracketing system.



Parameter Transfer Key (PTK) enables
quick upload, recovery, transfer, and
storage of configuration sets.

Insight Module IC1M

200 cycles of end-of-run
automatic data storage.

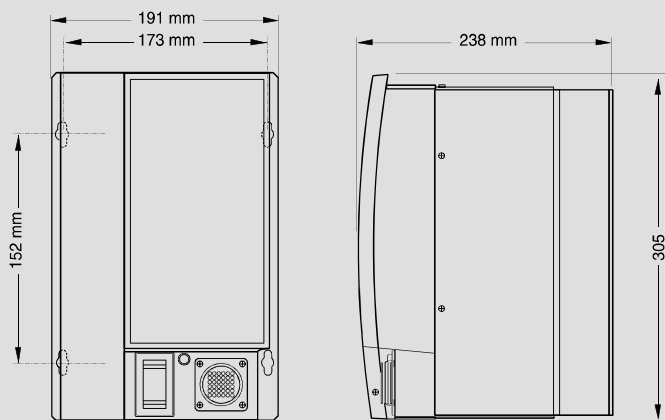
One-line digital display
shows torque or angle.

Use ICS Connect to
program and select from
256 basic configurations
stored in memory.



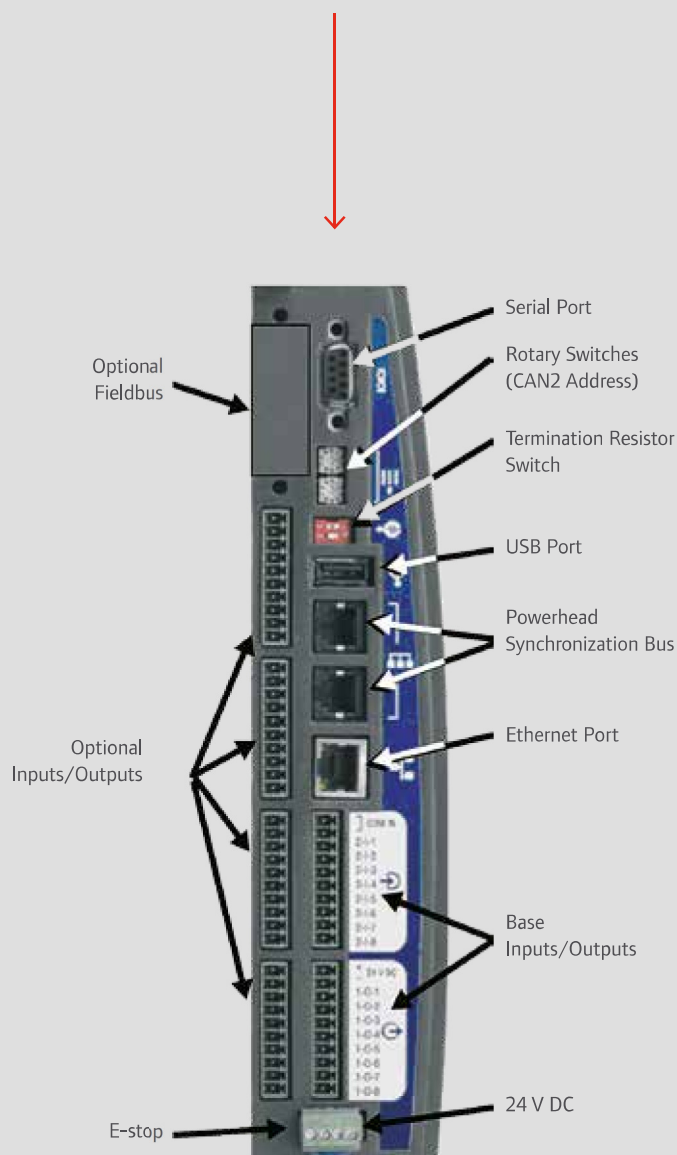
Control System – DC Tools

Fastening Control System for QE & QM Series Electric Tools



Insight IC12 Display & IC12 Module

Models	Numbers of Tools or Spindle
Measurement accuracy	Torque: $\pm 0.2\%$ of torque full scale Angle: ± 1 count of angle (degrees)
Measurement resolution	$\pm 0.025\%$ of torque full scale
Torque transducer bridge excitation	$\pm 5\text{VDC/GND}$
Torque transducer zero offset/drift compensation	$\pm 0.4\%$ of full scale
Input Signal Sensitivity	2.0mV/V
Calibration	Values read from spindle memory Automatic digital correction
Frequency response (torque filter)	Selectable 75 Hz, 150 Hz, 350 Hz, 500 Hz, 750 Hz
Keypad (IC-D only)	Membrane keypad containing four hot keys, four function keys, numerical keypad, and directional keypad
Display	IC-D-3.5-inch diagonal, 320 px by 240 px, 8-bit 65K backlit color (QVGA) flat panel display. IC-M-5-character, 7-segment numerical LED display
Parameter sets	256
Number of cycles stored in memory	IC-D: 1,000. IC-M: 200
Statistics Data Memory	100,000 per spindle
Communications	Serial RS232, Ethernet, USB, Optional Profibus or DeviceNet
I/O	8 inputs/8 outputs, with behavior assignable through ICS software. With optional I/O card, an additional 16 inputs and outputs are available.
Indicators	Power ON lamp
Optional devices	DeviceNet Card, Profibus Card, Additional I/O, Cabinet Mounting Bracket
Input voltage	Single Phase 120 Volts, 50/60 Hz, 16 Amps Single Phase 230 Volts, 50/60 Hz, 8 Amps
Ambient operating conditions	0 – 50°C, 20/90% non-condensing humidity
Enclosure	IP-52
System Weight	5.6 kg (12.4 pounds)



Control System – DC Tools

Fastening Control System for QE & QM Series Electric Tools

Insight IC12 Display & IC12 Module

Model identification codes

Example: **IC12D3A1AWS**



Insight Display IC12D



Insight Module IC12M

Insight Product Definition

Models	Numbers of Tools or Spindle	Interface	Power Supply
IC INSIGHT Controller	12 one tool/spindle	D M MODULE, without user interface DISPLAY, with user interface	1 2 3 230 VAC, cable pigtail, European standard 220 V, US cable pigtail 115 VAC, US plug

Optional equipment

I/O (input & output options)	Communication Package	Parameter Transfer Key	Mounting Style	Software Package
A B One additional I/O board for single spindle Standard I/O interface board	1 3 4 5 6 7 Option 1 + Profinet Option 1 + EtherNet/IP, Modbus-TCP Option 1 + Interbus-S Option 1 + Devicenet Option 1 + Profibus Serial and Ethernet	A B Parameter transfer key included Standard (no key)	W C Cabinet mount Standard wall mount	S XX Customized software Standard

Control System – DC Tools

Fastening Control System for QE & QM Series Electric Tools

Accessories for Insight IC12 Display & Insight IC12 Module



Remote selector switch
4 positions - IC-SELECT-4
8 positions - IC-SELECT-8



Emergency stop button
IC-ESTOP



Reset station
IC-PALM-RESET



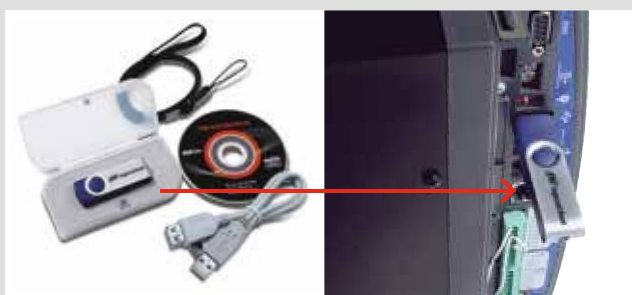
**Signal tower,
type LCE-FB**
IC-LIGHT-TOWER



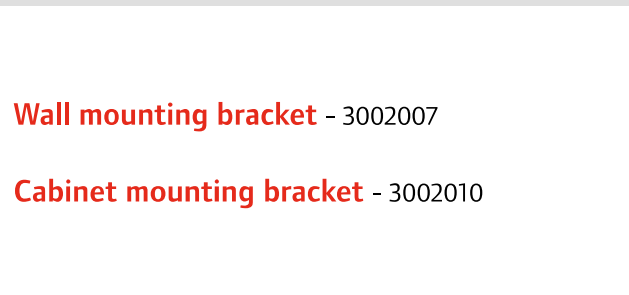
Socket tray
8 positions – IC-SOCKET-8



Socket tray
4 positions – IC-SOCKET-4

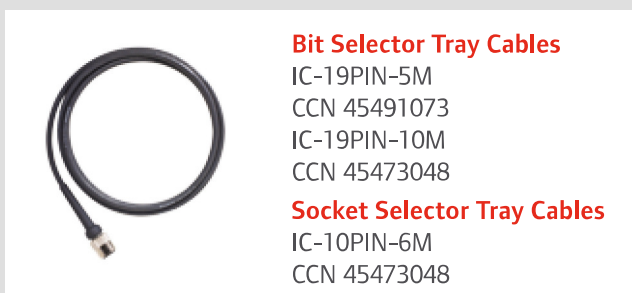


Parameter transfer key
PC 80150113



Wall mounting bracket - 3002007

Cabinet mounting bracket - 3002010



Bit Selector Tray Cables

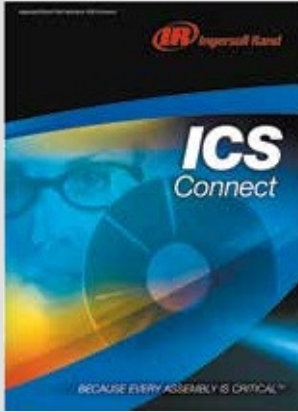
- IC-19PIN-5M
- CCN 45491073
- IC-19PIN-10M
- CCN 45473048

Socket Selector Cables

- IC-10PIN-6M
- CCN 45473048

Control System – DC Tools

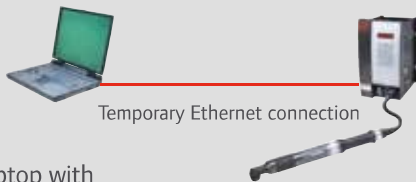
Fastening Control System for QE & QM Series Electric Tools



Paired with an Insight IC12D or IC12M controller and a PC computer, our groundbreaking ICS Software Suite makes it possible to more precisely control and monitor your fastening process.

ICS Connect

ICS Connect provides operators the ability to access and program basic fastening strategies as well as view cycle data with a single IC12D or IC12M controller via a one-to-one Ethernet connection. ICS Connect is supplied standard with all IC12D and IC12M controllers.



System requirements:
PC computer with
Windows 2000 or XP,
RJ45 connection,
1024 x 768 screen or above.

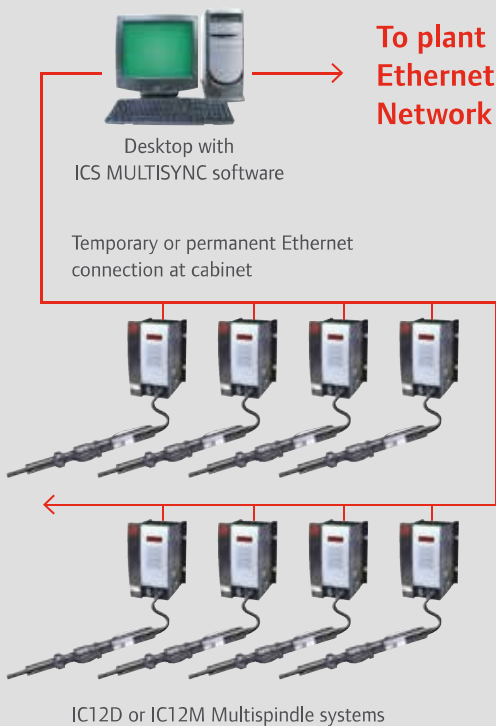
ICS Network

ICS Network enables programming of multiple IC12D and IC12M 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.



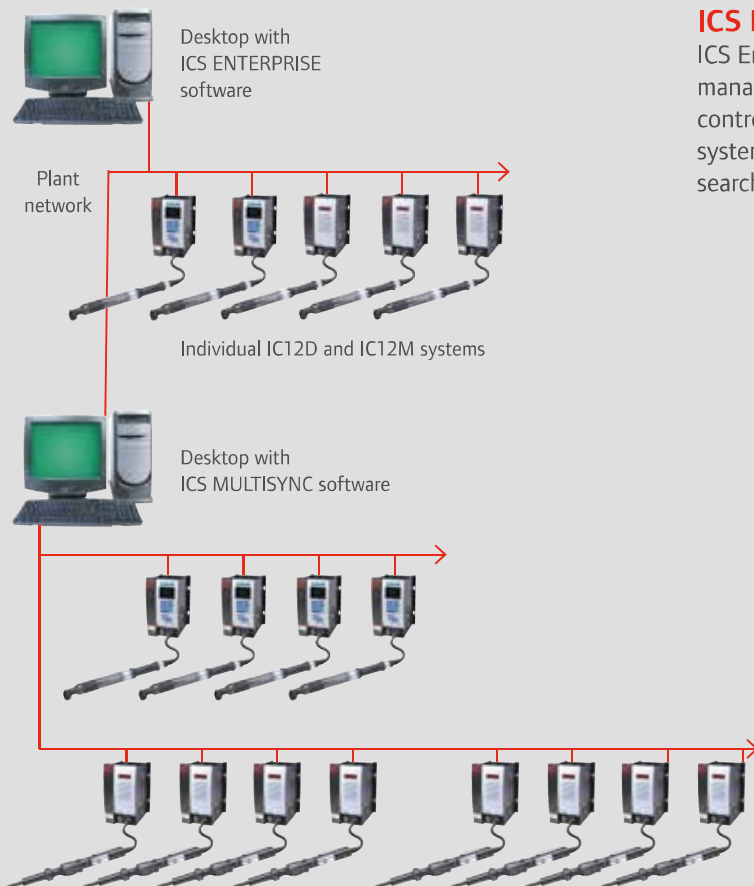
Control System – DC Tools

Fastening Control System for QE & QM Series Electric Tools



ICS MultiSync

The ICS MultiSync package facilitates set-up and control of multispindle systems consisting of up to 100 spindles in groups of up to 40 spindles. This package also offers advanced multispindle fastening strategies, remote monitoring, and data archiving.



ICS Enterprise

ICS Enterprise offers advanced programming and management of a network of up to 500 IC12D or IC12M controllers using QE tools, QM spindles, or multispindle systems. Also enables ODBC-compliant database archiving, searching, and statistics processing.

Insight Software Feature Matrix

	Insight IC12M	Insight IC12D	Via ICS Connect	Via ICS Network	Via ICS MultiSync	Via ICS Enterprise
SOFTWARE PROGRAMMING						
Max. Number of Configs.	256	256	Unlimited	Unlimited	Unlimited	Unlimited
Max. Number of Steps	32 per config.	32 per config.	1	32 per config.	32 per config.	32 per config.
Prog. Params. Editable		•	•	•	•	•
Gang Count		•	•	•	•	•
Autoincrement		•	•	•	•	•
Quick Setup		•	•	•	•	•
Advanced Setup				•	•	•
Config. Name		Display only	•	•	•	•
CW/CCW Tightening		•	•	•	•	•
Tubenut Operation		•	•	•	•	•
Adjustable Acceleration				•	•	•
Optional EOR for Each Step				•	•	•
Synchronizing Spindles					•	•
Copy Protection			•	•	•	•
DATA ARCHIVING						
No. of Stored EOR Records	200	1000	Unlimited (manual)	Unlimited (manual)	Unlimited (auto.) ODBC	Unlimited (auto.) ODBC
Databases data can be transferred to					•	•
Back-up data to server					•	•
POWERHEAD						
Powerhead Operation					•	•
Max. No. of Spindles in Powerhead					40	40
Max. No. of Groups					8	8
Fault Backout					•	•
Fault Backout Options					None, spindle, group, powerhead	
Final Fault Backout					•	•
Final Fault Backout Options					None, spindle, group, powerhead	
Synchronization Method					Via CANBUS	
SOFTWARE GENERAL						
Date/Time Set		•	•	•	•	•
System Name			•	•	•	•
Display Software versions		•	•	•	•	•
Language Selection		•	Only ICS Language	Only ICS Language	Only ICS Language	Only ICS Language
NTP Function		•	•	•	•	•
E.O.R. Onscreen Filter		•	•	•	•	•
E.O.R. Viewable Onscreen	Primary value only	•	•	•	•	•
Load New Software via Ethernet	•	•	•	•	•	•
TOOL PROGRAMMING						
TR Adjust		•	•	•	•	•
ASC Adjust		•	•	•	•	•
TR and ASC Reset		•	•	•	•	•
Auto Calibration Function			X with ETA	X with ETA direct connect only		
Torque Units Selection		•	•	•	•	•
Start Mode Selection		•	•	•	•	•
Tool Operation Selection		•	•	•	•	•
Special Fn Switch Programming		•	•	•	•	•
Configuration Mode Selection		•	•	•	•	•
PM Alarms					•	•
View Memory Chip Data			•	•	•	•
PASSWORDS						
Number of Passwords	0	1	Unlimited	Unlimited	Unlimited	Unlimited
Auto Timer Lockout			•			
Adjustable Lockout Timer			•			
STATISTICS						
Sample and Population Stats			•	•	•	•
Stats Values Calculated		Cp, Cpk, Mean, SD, Capability, CAM, Max. value, Min. value % No. Rejects, % No Pass, No. Rej Hi, No. Rej Lo, Mean Shift, Range, No. for sigma		Cp, Cpk, Mean, SD, Capability, CAM, Max value, Min Value % No. Rejects, % No Pass, No. Rej Hi, No Rej Lo, Mean Shift, Range, No.for sigma, Target.		
Stats Alarms				•	•	•
Stats Alarms Output	•	•				
Max. Sample Stats Size	200	1000	1000	1000	1000	1000
Powerhead Stats		•			•	•
Mean Range Charts				•	•	•
Histograms				•	•	•
Pareto Chart				•	•	•
Stats Email Alarms					•	•
Stats can be calculated from user defined data				•	•	•
TIGHTENING CURVES						
Curve Types			Torque vs. Angle, Torque vs. Time, Current vs. Time, Current vs. Angle			
Max. No. of Curves Stored on Cont.	Last Reject Last Cycle	Last Reject Last Cycle				
Display Curves On Screen				•	•	•
TIGHTENING CURVES						

	Insight IC12M	Insight IC12D	Via ICS Connect	Via ICS Network	Via ICS MultiSync	Via ICS Enterprise
Print Tightening Curves				•	•	•
Print Tightening Curve Data				•	•	•
Full View				•	•	•
Zoom Function				•	•	•
No. of Curves that can be Overlaid				1	10	10
Archive Curves					•	•
Parameter Values Shown on Curve				•	•	•
TIGHTENING STRATEGIES						
Torque Control		•	•	•	•	•
Torque Control with Y. Override				•	•	•
Angle Control		•	•	•	•	•
Angle Control with Y. Override				•	•	•
Yield Control				•	•	•
Prevailing Torque				•	•	•
Drag Torque				•	•	•
Backout				•	•	•
Fault Backout					•	•
Final Fault Backout					•	•
Retorque				•	•	•
Wait				•	•	•
Jog				•	•	•
Bypass					•	•
COMMUNICATIONS						
Serial E.O.R. Data Out		•	•	•	•	•
Serial Custom E.O.R. Data			•	•	•	•
Host Data Out		•	•	•	•	•
PFCS						
Barcode Passive				•	•	•
Barcode Active				•	•	•
Barcode setup onscreen				•	•	•
Field Bus setup onscreen				•	•	•
Ethernet Programming			•	•	•	•
DIAGNOSTICS						
Error Codes	•					
Text Errors		•	•	•	•	•
System Test		•	•	•	•	•
Store System Test Results			•	•	•	•
View Input Statuses		•	•	•	•	•
Set Output Statuses		•	•	Only if connected 1 to 1	•	
View Outputs			•	•	•	•
Assignable Inputs			•	•	•	•
Assignable Outputs			•	•	•	•
Event Log			•	•	•	•
View Event Log			•	•	•	•
Tool Test		•	•	Only if connected 1 to 1	•	
Lamp Test		•	•	Only if connected 1 to 1	•	
HELP						
HelpOn Screen Help Menu			•	•	•	•
Wizard Text		•				
PRINTED REPORTS						
No. of Reports	0	0	5	6	9	11
Report Types			Cycle Log, Stats, Parameter Dump, Diagnostics, Event log			
				+Tightening, Curve	+Tightening, Curve Histogram, Pareto, Mean/Range	+Tightening, Curve Histogram, Pareto, Mean/Range, VIN, Custom
Parallel Output			•	•	•	•
Export to File			•	•	•	•
HARDWARE						
Screen Size	14 mm high x 5 character	9.6 cm (9/16 in) diag				
Screen Type	Red LED	1/4 VGA Color LCD	XVGA or better	XVGA or better	XVGA or better	XVGA or better
Keypad		•	•	•	•	•
Keypad Type		25 key Membrane	PC Keyboard	PC Keyboard	PC Keyboard	PC Keyboard
Status Lights		On Screen				
Power On Indication	•	•				
GFI	•	•				
Mounting Design		Wall or Cabinet mounting plate				
Field Bus	X (optional)	X (optional)				
No. of I/O	Base 8, Max 24	Base 8, Max 24				
Type of I/O	Opto	Opto				
Serial Port	X (1)	X (1)				
Ethernet	•	•				
Max. Number of Spindles	1	1	1	500	100	500
Method of Identifying Physical Location	Rotary dial switch	Rotary dial switch				
CCT Breaker Switch	•	•				
WEIGHT						
Weight	5.6 kg (12.4 lb)	5.6 kg (12.4 lb)				