

# Cleco offers a broad range of certified torque control assembly tools.



Cleco torque control tools are designed to provide a wide range of accurate torques at a speed that maximizes productivity. By one easy adjustment, the torque is set to automatically shut the tool off. With ergonomic handles, low noise levels, and high power to weight ratios, Cleco torque control tools are the ergonomic answer to your fastening applications. Each tool is certified and tested to ISO-5393.

## Straight Torque Control Shut-off



Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Drive
			High	Low			
<b>Straight Torque Control Shut-off – 5 &amp; 8 Series</b>							
BN-01TR	5SRA-10BQ-F2	1100	0.9	0.7	235	0.5	1/4 QC
BN-02TR	5SRA-10BQ-F2	1100	1.1	0.9	235	0.5	1/4 QC
BN-03TR	5SRA-10BQ-F2	1100	1.5	1.1	235	0.5	1/4 QC
BN-05TR	5SRA-10BQ-F	1100	2.5	1.9	235	0.5	1/4 QC
	8RSA-10BQ-F	800	2.5	1.9	260	1.1	1/4 QC
BN-1TR	5SRA-10BQ-F	1100	3.2	2.5	235	0.5	1/4 QC
	8RSA-10BQ-F	800	3.2	2.5	260	1.1	1/4 QC
BN-2TR	8RSA-10BQ-F	800	4.1	3.2	260	1.1	1/4 QC
BN-3TR	8RSA-10BQ-F	800	5.4	4.1	260	1.1	1/4 QC

## Pistol Grip Torque Control Shut-off



Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Drive
			High	Low			
<b>Pistol Grip Torque Control Shut-off – 5, 8 &amp; 35 Series</b>							
CN-01TR	5RSATP-10BQ-F2	1100	0.9	0.7	210	0.7	1/4 QC
CN-02TR	5RSATP-10BQ-F2	1100	1.1	0.9	210	0.7	1/4 QC
CN-03TR	5RSATP-10BQ-F2	1100	1.5	1.1	210	0.7	1/4 QC
CN-05TR	5RSATP-10BQ-F	1100	2.5	1.9	210	0.7	1/4 QC
	8RSATP-10BQ-F	800	2.5	1.9	232	1.4	1/4 QC
CN-1TR	5RSATP-10BQ-F	1100	3.2	2.5	210	0.7	1/4 QC
	8RSATP-10BQ-F	800	3.2	2.5	232	1.4	1/4 QC
CN-2TR	8RSATP-10BQ-F	800	4.1	3.2	232	1.4	1/4 QC
CN-3TR	8RSATP-10BQ-F	800	5.4	4.1	232	1.4	1/4 QC
CN-5TBR	35RSATP-10Q-F	750	9	7	248	1.5	1/4 QC
CN-6TBR	35RSATP-10Q-F	750	12	9	248	1.5	1/4 QC
CN-7TBR	35RSATP-7Q-F	500	15	12	248	1.5	1/4 QC
CN-8TBR	35RSATP-5Q-F	350	20	15	248	1.5	1/4 QC

## Right Angle Torque Shut-off



Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Square Drive
			High	Low			
<b>Right Angle Torque Shut-off – 5, 24, 34 &amp; Series</b>							
CAN-03TR	5RNAL-10BH-2-F	850	1.5	1.1	321	0.8	1/4
CAN-04TR	5RNAL-10BH-2-F-245	850	1.9	1.5	321	0.8	1/4
CAN-05TR	5RNAL-10BH-2-F-245	850	2.5	1.9	321	0.8	1/4
CAN-1TR	5RNAL-10BH-2-F-245	850	3.2	2.5	321	0.8	1/4
CAN-2TR	5RNAL-10BH-2-F-245	850	4.1	3.2	321	0.8	3/8
	5RNAL-7BF-2-F	570	4.1	3.2	321	0.8	1/4
CAN-3TR	24RAA06AL2	2090	5.4	4.1	362	1.2	1/4
	24RAA06AL3	2090	5.4	4.1	362	1.2	3/8
CAN-4T	5NAL-104BH-3-F	200	7	5.4	352	1.0	3/8
CAN-4TR	5RNAL-104BH-3-F	200	7	5.4	352	1.0	3/8
	24RAA07AL2	1680	7	5.4	362	1.2	1/4
	24RAA07AL3	1680	7	5.4	362	1.2	3/8
CAN-5T	5NAL-104BH-3-F	200	9	7	352	1.0	3/8
CAN-5TR	5RNAL-104BH-3-F	200	9	7	352	1.0	3/8
	24RAA12AM3	1135	9	7	377	1.3	3/8
	34RAA11AL2	1590	9	7	374	1.2	1/4
CAN-6TR	34RAA11AL3	1590	9	7	374	1.2	3/8
	24RAA12AM3	1135	12	9	377	1.3	3/8
CAN-7TR	34RAA15AM3	1135	12	9	387	1.5	3/8
	24RAA23AM3	565	15	12	377	1.4	3/8
CAN-8TR	34RAA15AM3	1135	15	12	387	1.5	3/8
	24RAA23AM3	565	20	15	377	1.4	3/8
CAN-9TR	34RAA26AH3	670	20	15	387	1.5	3/8
	34RAA26AH3	670	25	20	387	1.5	3/8
CAN-10TR	34RAA33AX3	515	25	20	390	1.6	3/8
	34RAA33AX3	515	30	25	390	1.6	3/8
CAN-11TR	34RAA47AX3	365	30	25	400	1.5	3/8
	34RAA47AX3	365	40	30	400	1.5	3/8
CAN-14TR	55RNAL-3T-4	190	90	70	489	3.5	1/2
CAN-15TR	55RNAL-3T-4	190	115	90	489	3.5	1/2
CAN-16TR	55RNAL-2T-4	140	150	115	489	3.5	1/2

**GENERAL:**  
All tools performance rated @ 85 psi (586 kPa) air pressure.

Tools on this page were tested per standard ISO 5393.

## Pistol Grip Electric Transducer Control



Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Square Drive
			High	Low			
<b>Pistol Grip Electric Transducer Control – 17EA &amp; 47EA Series</b>							
CEN-1X	17EP06Q	2600	3.2	2.5	178	1.0	1/4 QC
	17EP06Q	2600	4.1	3.2	178	1.0	1/4 QC
CEN-2X	17EP12Q	1200	4.1	3.2	196	1.1	1/4 QC
	17EP12D3	1200	4.1	3.2	196	1.1	3/8
CEN-3X	17EP06Q	2600	5.4	4.1	178	1.0	1/4 QC
	17EP12Q	1200	5.4	4.1	196	1.1	1/4 QC
	17EP12D3	1200	5.4	4.1	196	1.1	3/8
	17EP17Q	860	5.4	4.1	196	1.1	1/4 QC
	17EP17D3	860	5.4	4.1	196	1.1	3/8
CEN-4X	17EP12Q	1200	7	5.4	196	1.1	1/4 QC
	17EP12D3	1200	7	5.4	196	1.1	3/8
	17EP17Q	860	7	5.4	196	1.1	1/4 QC
	17EP17D3	860	7	5.4	196	1.1	3/8
CEN-5X	47EP25D3	1200	7	5.4	213	1.3	3/8
	17EP12Q	1200	9	7	196	1.1	1/4 QC
	17EP12D3	1200	9	7	196	1.1	3/8
	17EP17Q	860	9	7	196	1.1	1/4 QC
CEN-6X	17EP17D3	860	9	7	196	1.1	3/8
	47EP25D3	1200	9	7	213	1.3	3/8
	17EP12Q	1200	12	9	196	1.1	1/4 QC
	17EP12D3	1200	12	9	196	1.1	3/8
	17EP17Q	860	12	9	196	1.1	1/4 QC
CEN-7X	17EP17D3	860	12	9	196	1.1	3/8
	47EP36D3	860	12	9	213	1.3	3/8
	47EP25D3	1200	12	9	213	1.3	3/8
	47EP36D3	860	15	12	213	1.3	3/8
	47EP48D3	650	15	12	218	1.4	3/8
CEN-8X	47EP25D3	1200	20	15	213	1.3	3/8
	47EP36D3	860	20	15	213	1.3	3/8
	47EP48D3	650	20	15	218	1.4	3/8
	47EP25D3	1200	25	20	213	1.3	3/8
CEN-9X	47EP36D3	860	25	20	213	1.3	3/8
	47EP48D3	650	25	20	218	1.4	3/8
	47EP36D3	860	30	25	213	1.3	3/8
CEN-10X	47EP48D3	650	30	25	218	1.4	3/8
	47EP48D3	650	40	30	218	1.4	3/8

## Right Angle Electric Transducer Control



Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Square Drive
			High	Low			
<b>Right Angle Electric Transducer Control - 17EA &amp; 47EA Series</b>							
CAEN-4X	17EA15AM3	860	7	5.4	376	1.6	3/8
CAEN-5X	17EA15AM3	860	9	7	376	1.6	3/8
	17EA22AM3	610	9	7	376	1.6	3/8
CAEN-6X	17EA15AM3	860	12	9	376	1.6	3/8
	17EA22AM3	610	12	9	376	1.6	3/8
	17EA28AM3	465	12	9	376	1.6	3/8
	47EA33AM3	895	12	9	450	2.3	3/8
CAEN-7X	17EA15AM3	860	15	12	376	1.6	3/8
	17EA22AM3	610	15	12	376	1.6	3/8
	17EA28AM3	465	15	12	376	1.6	3/8
	47EA33AM3	895	15	12	450	2.3	3/8
	47EA43AM3	685	15	12	450	2.3	3/8
CAEN-8X	17EA22AM3	610	20	15	376	1.6	3/8
	17EA28AM3	465	20	15	376	1.6	3/8
	47EA33AM3	895	20	15	450	2.3	3/8
	47EA43AM3	685	20	15	450	2.3	3/8
	47EA60AM3	485	20	15	450	2.3	3/8
CAEN-9X	47EA60AM4	485	20	15	450	2.3	1/2
	17EA28AM3	465	25	20	376	1.6	3/8
	47EA33AM3	895	25	20	450	2.3	3/8
	47EA43AM3	685	25	20	450	2.3	3/8
	47EA60AM3	485	25	20	450	2.3	3/8
	47EA60AM4	485	25	20	450	2.3	1/2
CAEN-10X	47EA90AH4	340	25	20	467	3.0	1/2
	47EA33AM3	895	30	25	450	2.3	3/8
	47EA43AM3	685	30	25	450	2.3	3/8
	47EA60AM3	485	30	25	450	2.3	3/8
	47EA60AM4	485	30	25	450	2.3	1/2
	47EA90AH4	340	30	25	467	3.0	1/2
CAEN-11X	47EA105AH4	230	30	25	467	3.0	1/2
	47EA43AM3	685	40	30	450	2.3	3/8
	47EA60AM3	485	40	30	450	2.3	3/8
	47EA60AM4	485	40	30	450	2.3	1/2
	47EA90AH4	340	40	30	467	3.0	1/2
	47EA105AH4	230	40	30	467	3.0	1/2
CAEN-12X	47EA135MH4	180	40	30	483	3.3	1/2
	47EA60AM3	485	55	40	450	2.3	3/8
	47EA60AM4	485	55	40	450	2.3	1/2
	47EA90AH4	340	55	40	467	3.0	1/2
	47EA105AH4	230	55	40	467	3.0	1/2
CAEN-13X	47EA135MH4	180	55	40	483	3.3	1/2
	47EA90AH4	340	70	55	467	3.0	1/2
	47EA105AH4	230	70	55	467	3.0	1/2
CAEN-14X	47EA135MH4	180	70	55	483	3.3	1/2
	47EA105AH4	230	90	70	467	3.0	1/2
CAEN-15X	47EA135MH4	180	90	70	483	3.3	1/2
	47EA135MH4	180	115	90	483	3.3	1/2

## Inline Electric Transducer Control



17ES/47ES Series

Ford Category	Model Number	Speed	Nm		Length mm	Weight kg	Square Drive
			High	Low			
	<b>Inline Electric Transducer Control – 17ES &amp; 47ES Series</b>						
BEN-1X	17ES06Q	2600	3.2	2.5	312	1.1	1/4 QC
	17ES06Q	2600	4.1	3.2	312	1.1	1/4 QC
BEN-2X	17ES12Q	1200	4.1	3.2	330	1.2	1/4 QC
	17ES12D3	1200	4.1	3.2	330	1.2	3/8
BEN-3X	17ES06Q	2600	5.4	4.1	312	1.1	1/4 QC
	17ES12Q	1200	5.4	4.1	330	1.2	1/4 QC
	17ES12D3	1200	5.4	4.1	330	1.2	3/8
	17ES17Q	860	5.4	4.1	330	1.2	1/4 QC
	17ES17D3	860	5.4	4.1	330	1.2	3/8
BEN-4X	17ES12Q	1200	7	5.4	330	1.2	1/4 QC
	17ES12D3	1200	7	5.4	330	1.2	3/8
	17ES17Q	860	7	5.4	330	1.2	1/4 QC
	17ES17D3	860	7	5.4	330	1.2	3/8
	47ES25D3	1200	7	5.4	345	1.5	3/8
BEN-5X	17ES12Q	1200	9	7	330	1.2	1/4 QC
	17ES12D3	1200	9	7	330	1.2	3/8
	17ES17Q	860	9	7	330	1.2	1/4 QC
	17ES17D3	860	9	7	330	1.2	3/8
	47ES25D3	1200	9	7	345	1.5	3/8
BEN-6X	17ES12Q	1200	12	9	330	1.2	1/4 QC
	17ES12D3	1200	12	9	330	1.2	3/8
	17ES17Q	860	12	9	330	1.2	1/4 QC
	17ES17D3	860	12	9	330	1.2	3/8
	47ES25D3	1200	12	9	345	1.5	3/8
BEN-7X	47ES36D3	860	12	9	345	1.5	3/8
	17ES17Q	860	15	12	330	1.2	1/4 QC
	17ES17D3	860	15	12	330	1.2	3/8
	47ES25D3	1200	15	12	345	1.5	3/8
	47ES36D3	860	15	12	345	1.5	3/8
BEN-8X	47ES48D3	650	15	12	351	1.5	3/8
	47ES25D3	1200	20	15	345	1.5	3/8
	47ES36D3	860	20	15	345	1.5	3/8
	47ES48D3	650	20	15	351	1.5	3/8
BEN-9X	47ES25D3	1200	25	20	345	1.5	3/8
	47ES36D3	860	25	20	345	1.5	3/8
	47ES48D3	650	25	20	351	1.5	3/8
BEN-10X	47ES36D3	860	30	25	345	1.5	3/8
	47ES48D3	650	30	25	351	1.5	3/8
BEN-11X	47ES48D3	650	40	30	351	1.5	3/8

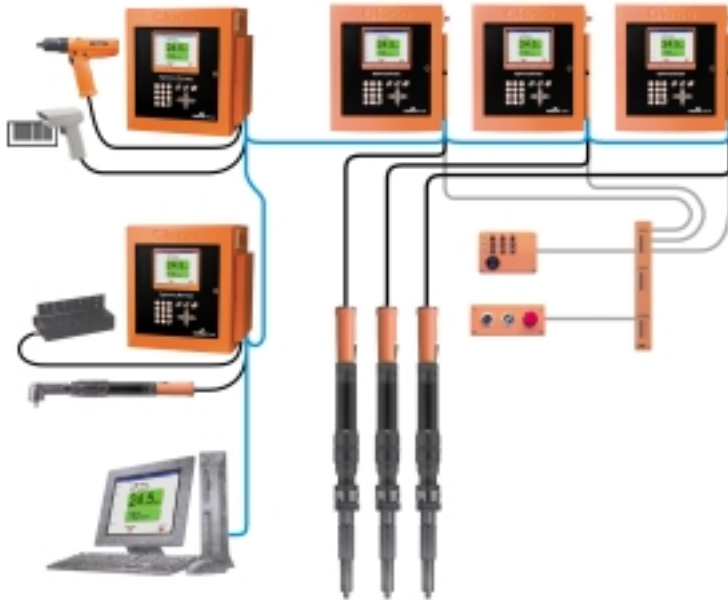
## Tightening Manager™ Electronic Controllers

Model Number		Language	Features
115VAC	230VAC		
TME-111-15-U	TME-111-30-U	English	Standard
TME-111-15-U-EN	TME-111-30-U-EN	English	Ethernet
TME-111-15-U-ED	TME-111-30-U-ED	English	Ethernet & DeviceNet
TME-111-15-U-EP	TME-111-30-U-EP	English	Ethernet & Profibus
TME-111-15-D	TME-111-30-D	German	Standard
TME-111-15-D-EN	TME-111-30-D-EN	German	Ethernet
TME-111-15-D-ED	TME-111-30-D-ED	German	Ethernet & DeviceNet
TME-111-15-D-EP	TME-111-30-D-EP	German	Ethernet & Profibus
TME-111-15-S	TME-111-30-S	Spanish	Standard
TME-111-15-S-EN	TME-111-30-S-EN	Spanish	Ethernet
TME-111-15-S-ED	TME-111-30-S-ED	Spanish	Ethernet & DeviceNet
TME-111-15-S-EP	TME-111-30-S-EP	Spanish	Ethernet & Profibus
TME-111-15-P	TME-111-30-P	Portuguese	Standard
TME-111-15-P-EN	TME-111-30-P-EN	Portuguese	Ethernet
TME-111-15-P-ED	TME-111-30-P-ED	Portuguese	Ethernet & DeviceNet
TME-111-15-P-EP	TME-111-30-P-EP	Portuguese	Ethernet & Profibus



### Ethernet Models

The TME-111 Ethernet models come with a standard RJ-45 Ethernet connector on the side panel for interfacing with customer networks. Through this port, the TME can be programmed remotely or send rundown data to a computer. The diagram below illustrates a typical network.



### Ethernet with DeviceNet or Profibus Models

The TME-111 Ethernet & DeviceNet models come with a standard RJ-45 Ethernet connector and a standard Turk DeviceNet connector on the side panel. The TME-111 Ethernet and Profibus models come with a standard RJ-45 Ethernet connector and a standard 9 pin D-Shell Profibus connector. The Ethernet connector is used for interfacing with customer networks. Through this port, the TME can be programmed remotely or send rundown data to a server. The DeviceNet or Profibus connector is used to connect the TME as a slave to a DeviceNet or Profibus network for line control as depicted in the adjacent photo.



### Tool Cables

Tool	Extension	Swivel	Length	
			Feet	Meters
542778-1M*	-	542780-1M*	3	1
542778-2M*	-	542780-2M*	6	2
542778-3M	542779-3M	542780-3M	9	3
542778-6M	542779-6M	542780-6M	19.5	6
542778-8M	542779-8M	542780-8M	26	8
542778-10M	542779-10M	542780-10M	33	10
542778-15M	542779-15M	542780-15M	49	15
542778-50M	542779-50M	542780-50M	164	50



SWIVEL CABLE

\*Must be used with 542779 extension cable.



AIRETOOL®

APEX® • BUCKEYE®

CAMPBELL® • CLECO®

COOPER AUTOMATION™ • CRESCENT®

DGD® • DOLER® • DOTCO® • EREM®

GARDNER-DENVER® • GARDOTRANS™

GETA™ • KAHNETICS® • LUFKIN®

MASTER POWER® • METRONIX™

NICHOLSON® • PLUMB® • H.K. PORTER®

QUACKENBUSH™ • RECOULES™ • ROTOR™

UTICA® • WELLER® • WIRE-WRAP®

WISS® • XCELITE®

**Cooper Tools**

P.O. Box 1410

Lexington, SC 29071-1410

USA

Phone: 803-359-1200

Fax: 803-808-6735

[www.coopertools.com](http://www.coopertools.com)