

Cleco®

Introducing The World's First
Intelligent Cordless Tools.
Only From Cleco.



 **COOPER** Power Tools

Cleco Industrial Cordless Power Tools With Speed, Angle & Torque Control.



Where operational flexibility is essential to your application needs, Cleco cordless tools offer the productivity, durability and traceability to get the job done. Cleco cordless tools have unique speed, angle, torque control and monitoring characteristics. Torque and angle traceability are accomplished using proven resolver and transducer technologies. Programmable speed control allows you to optimize the speed of the tool. Infrared (IrDA) data transmission from the tool-to-tool holder provides fast and accurate plant level line control and communication.



The right angle and pistol grip tools incorporate leading features from our wide range of assembly tools. High performance brushless motors are used to produce increased speed and torque characteristics while improving torque accuracy due to lower rotor inertia. Cleco cordless tools have a long service life and high torque accuracy with leading edge Ni-MH battery technology.

When using a single tool to perform multiple applications, the auto-linking feature automatically changes parameter sets from application to application through programmable batch counting.

The 512-cycle tool memory buffer provides cordless versatility, convenience, flexibility and productivity in a single tool.



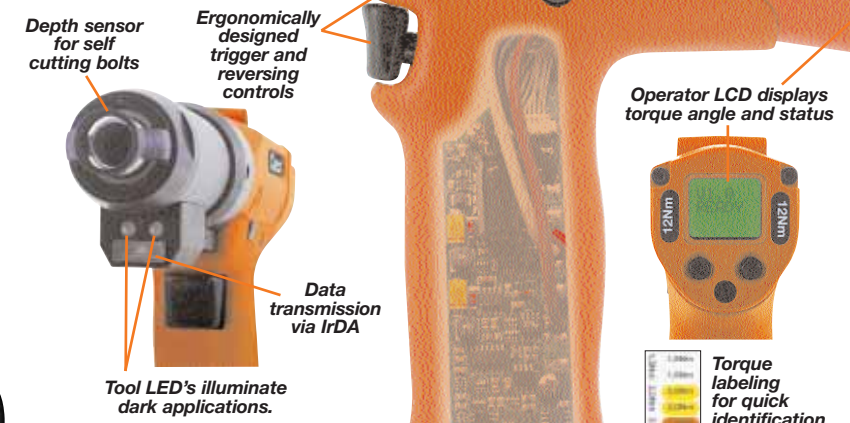
Features

- Low inertia brushless motors
- Resolver speed and angle control
- Transducer torque traceability
- IrDA uplink communications
- Live torque and angle tool LCD
- OK / NOK tool LEDs
- Tool LEDs illuminate dark applications
- Supports 255 parameter sets
- 6 Programmable tightening stages
- 6 Programmable speed stages
- Reverse programming
- Cordless error proofing
- CE certification
- Comfortable soft grip handle
- Easy to service
- No tool cables required
- Common 18V Ni-MH battery
- Up to 1,000 tightenings per charge

Cleco®

Cordless Applications

- Interior & Exterior trim
- Center console
- Roof systems
- Steering assembly
- Seat assembly
- Seat belt
- Seat to floor
- Front and side airbag
- Door assembly
- Dash board assembly
- Instrumentation
- Engine and trunk compartments
- Exterior lighting
- Repair stations
- Assembly build cells
- Cargo door latch
- Final dress
- Repair bays



Cleco 47B Right Angle



Cleco 17B Pistol Grip



Cleco 17B & 47B Cordless Specifications

Model Number*	Output Drive Size	Bolt Size		Free Speed RPM	Torque Range		Length		Weight**		Side to Center	
		Gr. 5 in.	Gr. 9.8 mm		ft. lbs	Nm	in.	mm	lbs.	kg	in.	mm
17B Battery Pistol Grip Tool – 18VDC												
17BP13Q	1/4" Hex	1/4	M6	465	2.2-9.6	3-13	8.44	214.5	4.3	1.94	0.84	21
17BP09Q	1/4" Hex	1/4	M5	650	2.2-6.6	3-9	8.44	214.5	4.3	1.94	0.84	21
17BP07Q	1/4" Hex	#10	M5	860	2.2-5.2	3-7	8.44	214.5	4.3	1.94	0.84	21
17BP05Q	1/4" Hex	#10	M4	1000	2.2-3.7	3-5	8.44	214.5	4.3	1.94	0.84	21
47B Battery Right Angle Tool – 18VDC												
47BA28AM3	3/8" Hex	5/16	M8	215	7.4-20.7	10-28	20.79	528	5.7	2.6	0.59	15
47BA21AM3	3/8" Hex	1/4	M6	305	5.9-15.5	8-21	20.79	528	5.7	2.6	0.59	15
47BA15AM3	3/8" Hex	1/4	M6	400	4.1-11.1	5.5-15	20.79	528	5.7	2.6	0.59	15

* Q = Quick change without depth sensor
 QS = Add "S" after model number for quick change with depth sensor.
 ** Weights include battery (1.4lbs./0.65kg).

GENERAL:
 All tools must be used with TMEB Controller or industrial PC.

STANDARD EQUIPMENT:
 One 18V NiMH battery

TMEB 2-Channel Controllers

2-Channel Model Number		Language	Features
115VAC	230VAC		
TMEB-120-15-U	TMEB-120-30-U	English	Standard*
TMEB-120-15-U-EN	TMEB-120-30-U-EN	English	Ethernet
TMEB-120-15-D	TMEB-120-30-D	German	Standard*
TMEB-120-15-D-EN	TMEB-120-30-D-EN	German	Ethernet
TMEB-120-15-S	TMEB-120-30-S	Spanish	Standard*
TMEB-120-15-S-EN	TMEB-120-30-S-EN	Spanish	Ethernet
TMEB-120-15-P	TMEB-120-30-P	Portuguese	Standard*
TMEB-120-15-P-EN	TMEB-120-30-P-EN	Portuguese	Ethernet
TMEB-120-15-F	TMEB-120-30-F	French	Standard*
TMEB-120-15-F-EN	TMEB-120-30-F-EN	French	Ethernet

*3.5" floppy drive, (8) 24 volt I/O, 2 serial connectors, parallel printer connector, ps/2 keyboard connector. Weight: TMEB-120 – 55.9 lbs. (25.4 kg)



TMEB-COM Software

Part No.	Description
TMEB-COM-V2.03	TMEB-COM software

Industrial PC and Laptop

Part No.	Description
543963	Computer notebook w/TMEB-COM
543964	Computer desktop w/TMEB-COM

Tool Holders

Part No.	Description
935144	Pistol tool holder w/infrared interface and 2 foot cable
935290	Angle tool holder w/infrared interface and 2 foot cable



Tool Holder Extension Cables

Part No.	Description
935154	9' (3m) extension cable
935155	19.5' (6m) extension cable
935157	33' (10m) extension cable

Battery

Part No.	Description
935129	18V Ni-MH battery



Battery Chargers

115V Part No.	220V Part No.	Description
935151	935150	1-battery charger
935152	935143	4-battery charger



Cooper Power Tools
 P.O. Box 1410
 Lexington, SC 29071-1410
 USA
 Phone: 803-359-1200
 Fax: 803-808-6735

Cooper Power Tools
 5925 McLaughlin Road
 Mississauga, Ontario
 Canada L5R 1B8
 Phone: (905) 501-4785
 Fax: (905) 501-4786

Cooper Power Tools de México S.A. de C.V.
 Libramiento La Joya No. 1
 Bodega No. 2
 Esq. Politécnico
 Barrio San José
 Cuautitlán, Edo de México
 C.P. 54870
 Phone: (011) 525 5899 9510
 Fax: (011) 525 5870 5012

Cooper Tools Industrial Ltda.
 Av. Liberdade, 4055
 Zona Industrial - Iporanga
 18087-170 Sorocaba, SP
 Brazil
 Tel: +55-15-3238-3929
 Fax: +55-15-228-3260

Cooper Power Tools SAS
 Zone industrielle – B.P. 28
 77831 Ozoir-la-Ferrière Cedex
 France
 Téléphone: +33-1-6443-2200
 Téléfax: +33-1-6440-1717

DGD/Automated Systems
 Postfach 30
 D-73461 Westhausen
 Germany
 Phone: +49-7363-810
 Fax: +49-7363-81222

Cooper Tools Hungária Kft.
 Berkenyefa sor 7
 H-9027 Győr
 Hungary
 Tel: +36 96 505 300
 Fax: +36 96 505 301

Cooper (China) Co., Ltd.
 18th Floor Yu An Building
 738 Dongfang Road
 Pudong, Shanghai 200122
 China
 Phone: +86 21 5831 6805
 Fax: +86 21 5831 6762

Visit us online at www.clecotools.com