

Cleco®

A tradition of quality is built into every screwdriver.

Cleco screwdrivers have long been recognized as the assembly tool standard against which all other brands are measured. With over 100 years of precision manufacturing experience built into each tool, Cleco screwdrivers provide users the ultimate in light and medium duty assembly tool performance.

Cleco's long standing tradition of service to the customer has led us to develop an extensive line of screwdrivers with configurations to suit a broad range of applications. Options including multiple reversing methods, different clutch styles, numerous handle alternatives, and a wide variety of accessories provide the building blocks for tool configurations designed to meet our customers' unique assembly application requirements.

The Cleco 2 series of inline Clecomatic screwdrivers offer dependable repetitive torque accuracy from .5 to 8 in.-lbs., ideal for miniature assemblies often found in extra light-duty electronics assembly using #0 to #5 screws.

In the light to medium duty assembly tool market, the ergonomically designed Cleco 19 series screwdrivers, with a torque range of 0.6 to 130 in.-lbs., are the ultimate tools for an infinite range of applications including electronics, automotive, aerospace, appliance and general assembly.

With a torque range of 15 to 180 in.-lbs (1.7 to

60 MONTH WARRANTY

Cleco® 19 & 8 Series Clecomatic® Screwdrivers

Apex Tool Group warrants the 19 and 8 series Clecomatic screwdrivers and parts to be free from defects in workmanship and material of the life of the tool. The clutch assemblies are warranted for SIXTY MONTHS against failure or wear causing malfunction.

Apex Tool Group's obligation under this warranty is to repair or replace, without charge to the original purchaser, any part which does not meet the warranty outlined above during the active commercial production of this tool. This tool is to be returned to the factory with carrying charges prepaid.

This warranty shall not apply to any product that has been fixture mounted or subjected to misuse, negligence or accident; or in which parts not made or supplied by Apex Tool Group shall have been used; or which shall have been altered or repaired by other than Apex Tool Group personnel in a manner which in the determination of Apex Tool Group shall have affected its operation.

THIS WARRANTY CONSTITUTES THE ENTIRE OBLIGATION OF THE COMPANY RELATING TO THE SALE AND USE OF SUCH PRODUCT AND ITS MAXIMUM LIABILITY IS LIMITED TO THE PURCHASE PRICE OF SUCH PRODUCT. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR CONSEQUENTIAL, INDIRECT, INCIDENTAL OR SPECIAL DAMAGES OF ANY NATURE ARISING FROM THE SALE OF USE OF SUCH PRODUCT.

20Nm), the 8 & 88 series Cleco screwdrivers cover the gamut of medium duty assembly applications ranging from lawn and garden equipment to small recreational vehicles, and even aerospace.

Capable of running down fasteners as large as 5/16 (M6), the Cleco 35 series screwdrivers are the true workhorses of the medium to heavy-duty screw assembly market.





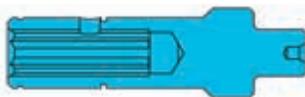
Choose the right tool to match your application.



New Clecomatic® Clutch

Clecomatic® Clutch

When tightening a fastener, torque is transmitted through the Clecomatic clutch to the fastener until the clutch can no longer transmit the increasing torque. The clutch then “slips”, which allows an internal mechanism to seal off air to the air motor, shutting off the tool at the user-adjusted preset torque level. This type of torque control allows maximum RPM from the tool for increased productivity. Since the tool doesn’t dwell on the fastener as with a stall tool, tool wear and fatigue to the operator is reduced. The life of a Clecomatic tool is up to five times longer than that of a lever-operated, ratcheting clutch screwdriver.



Stall Type

Stall Type

The stall tool doesn’t use a clutch but rather the output spindle is coupled to the last stage of gearing. Torque output from a stall tool may be controlled within fairly reasonable limits with an air pressure regulator. Stall type tools are also trigger activated.

CLUTCH SELECTION GUIDE FOR COMMON FASTENING APPLICATIONS

CLUTCH TYPE	STANDARD BOLT & NUT	SHEET METAL SCREW	STANDARD BOLT & NUT	SELF-TAPPING SCREW	SELF-LOCKING NUT
Clecomatic®	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT Where seating torque exceeds tapping torque	EXCELLENT
Stall Drive	FAIR Under certain conditions	GOOD Under certain conditions	FAIR Under certain conditions	FAIR Under certain conditions	FAIR

Accuracy. Durability.

Built by your expertise and our experience

Your productivity is our greatest influence. The development of the Cleco 19 Series is driven by experts—you, the very people that have depended on Cleco assembly products for over a century.

Whatever your application, consider it done

We set out to design the most accurate, longest-lasting, most user-friendly screwdriver family on the market. Our widespread configurations and applications ensure that you will find the ideal screwdriver or nutrunner.



Designed for the most demanding jobs

Continuously improving end-product quality is evermore critical. The Cleco 19 Series is engineered for the most demanding fastening applications where accuracy, repeatability, and durability are held to the strictest standard. Imagine what the Cleco 19 Series can do for you.

Adding value to your business

With a new powertrain design, the Cleco 19 Series tools have reached a new milestone in performance and accuracy. This, combined with legendary Cleco reliability, means you will have the sustained power to get it right the first time, every time.

Designed with the operator in mind

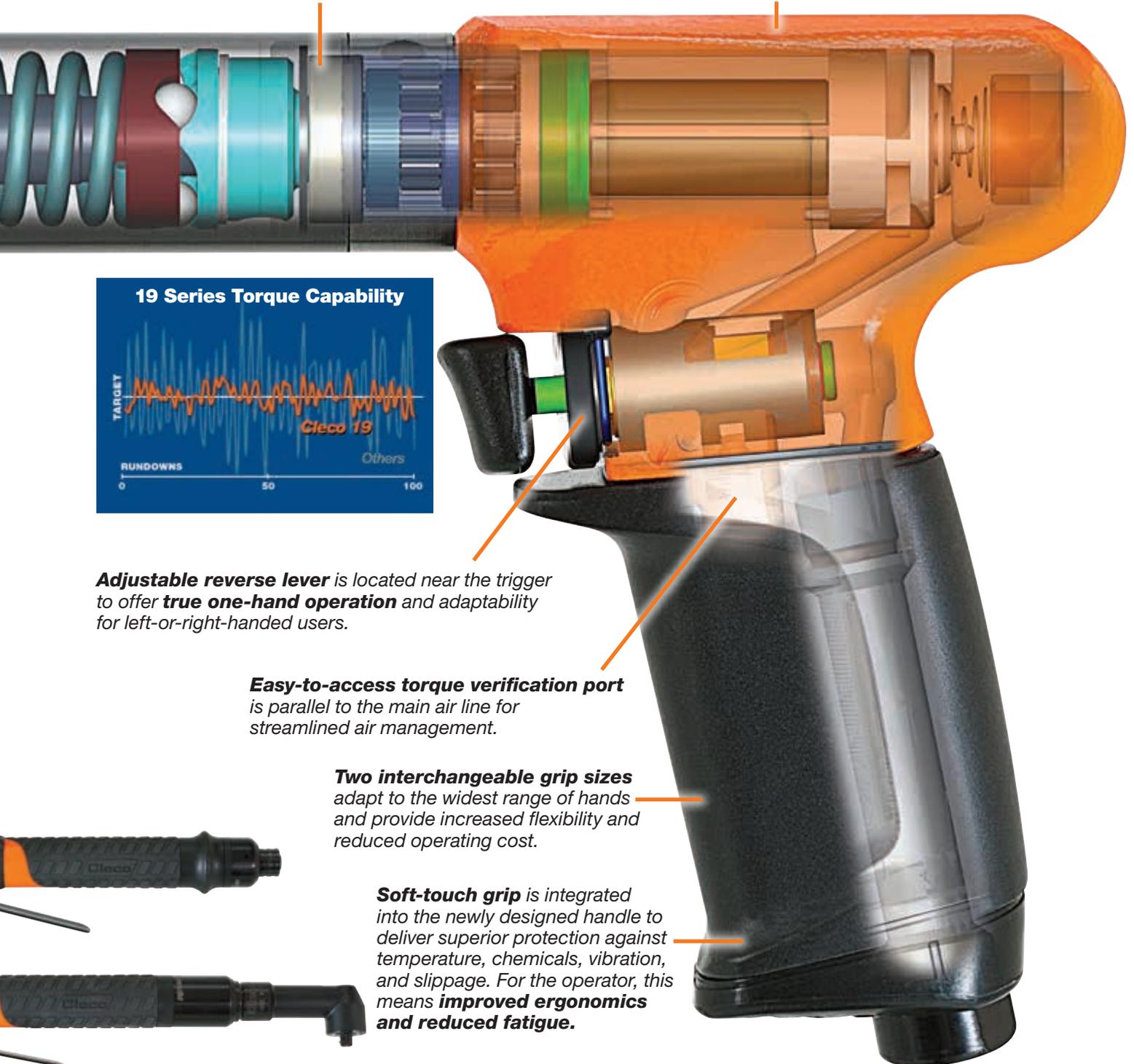
A soft-touch grip is integrated into the new handle design to provide superior protection from temperature, chemicals, vibration, and slip. What's more, Cleco 19 Series pistol tools offer two interchangeable handle sizes to bring comfort to a wider array of operators. These features, plus reduced weight and a balanced design, will raise productivity, tool flexibility, and reduce maintenance costs.



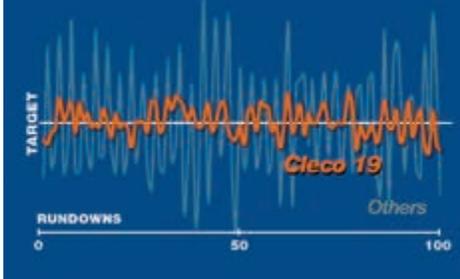
Quality. Productivity.

Completely re-engineered **Clecomatic®** clutch delivers **best-in-class accuracy**, exceeding a Cm of 2.0 with a tolerance of $\pm 10\%$.

New design and advanced materials yield up to **19% weight reduction** based on configuration, at no loss of balance or durability.



19 Series Torque Capability



Adjustable reverse lever is located near the trigger to offer **true one-hand operation** and adaptability for left-or-right-handed users.

Easy-to-access torque verification port is parallel to the main air line for streamlined air management.

Two interchangeable grip sizes adapt to the widest range of hands and provide increased flexibility and reduced operating cost.

Soft-touch grip is integrated into the newly designed handle to deliver superior protection against temperature, chemicals, vibration, and slippage. For the operator, this means **improved ergonomics and reduced fatigue**.

Inline Screwdrivers

2, 19, 8, 88, 35 Series Clecomatic Clutch

Cleco®

2 Series

Torque Range: .06 - .9 Nm 0.5 - 8 In. Lbs.

- Push-to-start
- Push button reverse
- External torque adjustment
- 1/4" quick change chuck

19 Series

Torque Range: 0.6 - 14.7 Nm 5 - 130 In. Lbs.

- Push-to-start and Push & Lever start
- External torque adjustment
- Bit & Finder & 1/4" quick change chuck

8 Series

Torque Range: 1.7 - 8.5 Nm 15.0 - 75 In. Lbs.

- Push button reverse and non-reversible
- Push-to-start and Push & Lever start
- Bit & Finder and Quick change

88 Series

Torque Range: 1.7 - 19 Nm 15 - 170 In. Lbs.

- Push button reverse and non-reversible
- Push-to-start and Push & Lever start
- Quick change & 3/8" square drive

35 Series

Torque Range: 1.7 - 20 Nm 15 - 180 In. Lbs.

- Quick change and square drive
- Short stroke button reverse
- External torque adjustment (Quick change models)



Model Number		Torque Range				Free Speed	Length*		Weight		Air Consumption		
Bit & Finder*	1/4" Quick Change	Tool Range		With Std. Spring			in.	mm	lbs.	kg	Air Inlet NPT	Min. Hose I.D.	SCFM
		in.-lbs.	Nm	in.-lbs.	Nm	RPM							
Push-to-Start - Push Button Reverse													
	2RSA-10B			0.5 - 8	.06 - 0.9	1000	7.6	194	0.5	0.20	1/8"	3/16"	6
	2RSA-10SB**			0.5 - 8	.06 - 0.9	1000	6.4	162	0.5	0.20	1/8"	3/16"	6
	19BPA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2300	9.1	230	1.4	0.63	1/8"	3/16"	11
	19BPA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1600	9.3	235	1.4	0.64	1/8"	3/16"	11
	19BPA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	920	9.1	230	1.3	0.61	1/8"	3/16"	11
	19BPA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	560	9.5	240	1.5	0.67	1/8"	3/16"	11
	19BPA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	220	9.5	240	1.5	0.68	1/8"	3/16"	11

Push-to-Start - Collar Reverse

	19SPA02B	19SPA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	9.1	230	1.4	0.63	1/8"	3/16"	11
	19SPA03B	19SPA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	9.3	235	1.4	0.64	1/8"	3/16"	11
	19SPA04B	19SPA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	9.1	230	1.3	0.61	1/8"	3/16"	11
	19SPA05B	19SPA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	9.5	240	1.5	0.67	1/8"	3/16"	11
	19SPA06B	19SPA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	9.5	240	1.5	0.68	1/8"	3/16"	11

Lever Push-to-Start - Collar Reverse

	19SCA02B	19SCA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	9.8	249	1.5	0.69	1/8"	3/16"	11
	19SCA03B	19SCA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	10.0	254	1.5	0.70	1/8"	3/16"	11
	19SCA04B	19SCA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	9.8	249	1.5	0.66	1/8"	3/16"	11
	19SCA05B	19SCA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	10.2	259	1.6	0.73	1/8"	3/16"	11
	19SCA06B	19SCA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	10.2	259	1.6	0.74	1/8"	3/16"	11

*Add .63" (16mm) for bit & finder models

** Short housing

General:

90 psi (620kPa) required for maximum rated torque.

Standard Equipment:

Operating instructions & service manual.
Suspension bail.

All torque springs required to meet indicated torque.
Lever Push-to-Start models include kit to convert to lever only. (301409)

Optional Equipment:

Additional accessories: Pages 12-13
Bits & finders: Page 12
Non-Reverse Kit: 207030
Torque Signal Kit: 301106 (lever only)
Overhose: 207019

Model Number			Torque Range		Free Speed	Length*		Weight		Air Consumption			
Bit & Finder	1/4" Hex Quick Change	3/8" Square Drive	in.-lbs.	Nm		RPM	in.	mm	lbs.	kg	Air Inlet NPT	Min. Hose I.D.	SCFM
			Push-to-Start - Push Button Reverse										
	8RSA-10	8RSA-10BQ	15 - 65	1.7 - 7.3	800	9.6	260	2.4	1.1	1/4"	1/4"	19	
		8RSA-7BQ	15 - 75	1.7 - 8.5	550	9.6	260	2.4	1.1	1/4"	1/4"	19	
		8RSA-5BQ	15 - 75	1.7 - 8.5	400	9.6	260	2.4	1.1	1/4"	1/4"	19	
		88RSA-7CQ	88RSA-7C-3	15 - 95	1.7 - 10	550	9.5	241	2.6	1.2	1/4"	1/4"	19
		88RSA-5CQ	88RSA-5C-3	15 - 160	1.7 - 18	400	9.5	241	2.6	1.2	1/4"	1/4"	19

Push-to-Start - Non-Reversible

		88SA-7CQ	15 - 100	1.7 - 11	650	9.1	232	2.5	1.1	1/4"	1/4"	19	
		88SA-5CQ	88SA-5C-3	15 - 170	1.7 - 19	500	9.1	232	2.5	1.1	1/4"	1/4"	19

Push and Lever Start - Push Button Reverse

		8RSAL-10BQ	15 - 60	1.7 - 6.8	800	11.3	302	2.9	1.3	1/4"	1/4"	19	
		88RSAL-5CQ	88RSAL-5C-3	15 - 160	1.7 - 18	400	11.1	282	3.1	1.4	1/4"	1/4"	19

Inline - Push-to-Start - Push Button Reverse

		35RSA-20Q	15 - 60	1.7 - 7	1250	9.6	244	2.5	1.1	1/4"	5/16"	24	
		35RSA-10Q	35RSA-10-3	15 - 110	1.7 - 12	620	10.4	264	2.8	1.2	1/4"	5/16"	24
		35RSA-7Q		15 - 160	1.7 - 18	410	10.4	264	2.8	1.2	1/4"	5/16"	24
		35RSA-5Q	35RSA-5-3	15 - 180	1.7 - 20	300	10.4	264	2.8	1.2	1/4"	5/16"	24

*Add .63" (16mm) for bit & finder models

General:

90 psi (620kPa) required for maximum rated torque.

Length and weight of finder type tools includes standard length bit & finder.

Weight does not include dead handle.

Standard Equipment:

Operating instructions & service manual
Suspension bail
Dead handle on models above 100 in.lbs. torque cap.
All torque springs required to meet indicated torque

Standard Equipment if Specified:

One bit, finder, and finder spring (bit & finder models)
Grip Sleeve (202346; Push-to-Start models only)
Dead handle (861006)

Optional Equipment:

Additional accessories: Pages 12-13
Bits & finders: Page 12
Torque Springs: Page 13

Pistol Grip Screwdrivers

19 Series Clecomatic Clutch

Cleco®

19 Series

Torque Range: 0.6-14.7 Nm 5.0-130 In. Lbs.

- Class-leading accuracy and repeatability
- Adjustable reverse lever for true one-hand – left-handed or right-handed – operation
- External torque adjustment
- 1/4" hex quick change drive
- "P" and "T" style handles
- 2 interchangeable soft-touch grip sizes
- Streamlined torque signal ports
- Trigger and Push & Trigger start

The renowned Clecomatic® clutch is re-engineered to provide class-leading accuracy/repeatability and improve the already legendary durability.

The "T" handle is best for applications that are pre-threaded and the grip on the tool is required to simply guide the tool as the fastener is being tightened.

19TTA02Q
"T" Handle

19PTA05Q
"P" Handle

The "P" handle is best suited for thread cutting fasteners where force must be exerted against the ergonomically shaped "P" handle during the process.



Model Number	Torque Range				Free Speed	Length		Weight		Air Consumption		
	Tool Range		With Std. Spring			in.	mm	lbs.	kg	Air Inlet NPT	Min. Hose I.D.	SCFM
1/4" Quick Change	in.-lbs.	Nm	in.-lbs.	Nm	RPM							

Push and Trigger Start - T Handle - Clecomatic Clutch

19TCA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	8.0	202	1.44	0.7	1/4"	3/8"	11
19TCA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	8.2	207	1.54	0.7	1/4"	3/8"	11
19TCA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	8.0	202	1.54	0.7	1/4"	3/8"	11
19TCA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	8.4	212	1.54	0.7	1/4"	3/8"	11
19TCA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	8.4	212	1.54	0.7	1/4"	3/8"	11
19TCA07Q	15 - 60	1.7 - 6.8	24 - 60	2.7 - 6.8	660	8.4	212	1.54	0.7	1/4"	3/8"	11
19TCA09Q	15 - 79	1.7 - 8.9	24 - 60	2.7 - 8.9	470	9.3	235	1.73	0.8	1/4"	3/8"	11

Trigger Start - T Handle - Clecomatic Clutch

19TTA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	7.9	199	1.44	0.7	1/4"	3/8"	11
19TTA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	8.1	204	1.54	0.7	1/4"	3/8"	11
19TTA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	7.9	199	1.54	0.7	1/4"	3/8"	11
19TTA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	8.3	210	1.54	0.7	1/4"	3/8"	11
19TTA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	8.3	210	1.54	0.7	1/4"	3/8"	11
19TTA07Q	15 - 60	1.7 - 6.8	24 - 60	2.7 - 6.8	660	8.3	210	1.54	0.7	1/4"	3/8"	11
19TTA09Q	15 - 79	1.7 - 8.9	24 - 79	2.7 - 8.9	470	9.3	235	1.73	0.8	1/4"	3/8"	11
19TTA15Q	45 - 130	5.1 - 14.7	45 - 130	5.1 - 14.7	260	9.6	243	1.94	0.9	1/4"	3/8"	11

General:

Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual
Suspension bail

Dead handle on models above 100 in.-lbs. torque cap.

All torque springs required to meet indicated torque specification

Optional Equipment:

Additional accessories: Pages 12-13

Torque Springs: Page 13

Torque Signal Kit: 302021PT
(Trigger w/Clecomatic clutch only)
Overhose: 207107
Push-only Conversion Kit: 301121

Model Number	Torque Range				Free Speed	Length		Weight		Air Consumption		
	Tool Range		With Std. Spring			in.	mm	lbs.	kg	Air Inlet NPT	Min. Hose I.D.	SCFM
1/4" Quick Change	in.-lbs.	Nm	in.-lbs.	Nm	RPM							

Push and Trigger Start - P Handle - Clecomatic Clutch

19PCA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	8.1	206	1.41	0.6	1/4"	3/8"	11
19PCA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	8.3	211	1.51	0.7	1/4"	3/8"	11
19PCA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	8.1	206	1.41	0.6	1/4"	3/8"	11
19PCA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	8.5	216	1.51	0.7	1/4"	3/8"	11
19PCA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	8.5	216	1.51	0.7	1/4"	3/8"	11
19PCA07Q	15 - 60	1.7 - 6.8	24 - 60	2.7 - 6.8	660	8.5	216	1.51	0.7	1/4"	3/8"	11
19PCA09Q	15 - 79	1.7 - 8.9	24 - 60	2.7 - 8.9	470	9.8	248	1.65	0.7	1/4"	3/8"	11

Trigger Start - P Handle - Clecomatic Clutch

19PTA02Q	5 - 19	0.6 - 2.1	5 - 19	0.6 - 2.1	2800	8.0	204	1.41	0.6	1/4"	3/8"	11
19PTA03Q	5 - 26	0.6 - 2.9	5 - 19	0.6 - 2.1	1900	8.2	209	1.51	0.7	1/4"	3/8"	11
19PTA04Q	10 - 40	1.1 - 4.5	10 - 38	1.1 - 4.3	1100	8.0	204	1.41	0.6	1/4"	3/8"	11
19PTA05Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	660	8.4	214	1.51	0.7	1/4"	3/8"	11
19PTA06Q	10 - 45	1.1 - 5.1	10 - 38	1.1 - 4.3	260	8.4	214	1.51	0.7	1/4"	3/8"	11
19PTA07Q	15 - 60	1.7 - 6.8	24 - 60	2.7 - 6.8	660	8.4	214	1.51	0.7	1/4"	3/8"	11
19PTA09Q	15 - 79	1.7 - 8.9	24 - 79	2.7 - 8.9	470	9.8	248	1.65	0.7	1/4"	3/8"	11
19PTA15Q	45 - 130	5.1 - 14.7	45 - 130	5.1 - 14.7	260	9.7	247	1.91	0.9	1/4"	3/8"	11

General:

Tool performance rated at 90 psi (620kPa) air pressure.

Standard Equipment:

Operating instructions & service manual
Suspension bail

Dead handle on models above 100 in.-lbs. torque cap.

All torque springs required to meet indicated torque specification

Optional Equipment:

Additional accessories: Pages 12-13

Torque Springs: Page 13

Torque Signal Kit: 302021PT
(Trigger w/Clecomatic clutch only)

Pistol Grip Screwdrivers

88 & 35 Series Clecomatic Clutch

Cleco®

88 Series

Torque Range: 1.7 – 20 Nm 15 – 180 In. Lbs.

- Quick change and square drive
- Reversible
- Trigger and Push & Trigger start

35 Series

Torque Range: 1.7 – 20 Nm 15 – 180 In. Lbs.

- Pistol grip
- Quick change and square drive
- Reversible
- Trigger, Push-to-Start and Push & Trigger start



Model Number		Torque Range		Free Speed	Length		Weight		Air Consumption		
1/4" Hex Quick Change	3/8" Square Drive	in.-lbs.	Nm	RPM	in.	mm	lbs.	kg	Air Inlet	Min.	SCFM
									NPT	Hose I.D.	
Push and Trigger Start - Sliding Knob Reverse											
88RSAPT-7CQ		15 - 95	1.7 - 10	550	9.0	229	3.1	1.4	1/4"	1/4"	19
88RSAPT-5CQ	88RSAPT-5C-3	15 - 160	1.7 - 18	400	9.0	229	3.1	1.4	1/4"	1/4"	19
88RSAPT-2CQ		15 - 180	1.7 - 20	200	9.8	248	3.4	1.5	1/4"	1/4"	19
Trigger Start - Sliding Knob Reverse											
88RSATP-7CQ	88RSATP-7C-3	15 - 95	1.7 - 10	550	8.9	225	3.1	1.4	1/4"	1/4"	19
88RSATP-5CQ	88RSATP-5C-3	15 - 160	1.7 - 18	400	8.9	225	3.1	1.4	1/4"	1/4"	19
88RSATP-2CQ	88RSATP-2C-3	15 - 180	1.7 - 20	200	9.6	245	3.4	1.5	1/4"	1/4"	19

General:

Tool performance rated at 90 psi (620kPa).
Weight does not include dead handle

Standard Equipment:

Operating instructions & service manual
Dead handle on all models above 100 in.lbs. torque
All torque springs required to meet indicated torque

Standard Equipment if Specified:

Dead handle (861006)

Optional Equipment:

Additional accessories: Pages 12-13
Bits & finders: Page 12
Torque Springs: Page 13

Model Number		Torque Range		Free Speed	Length		Weight		Air Consumption		
1/4" Hex Quick Change	3/8" Square Drive	in.-lbs.	Nm	RPM	in.	mm	lbs.	kg	Air Inlet	Min.	SCFM
									NPT	Hose I.D.	
Push-to-Start - Sliding Knob Reverse											
35RSAP-10Q		15 - 110	2 - 12	770	9.9	251	3.4	1.5	1/4"	5/16"	24
35RSAP-7Q		15 - 160	2 - 18	510	9.9	251	3.4	1.5	1/4"	5/16"	24
Push and Trigger Start - Sliding Knob Reverse											
35RSAPT-7Q		15 - 160	2 - 18	500	9.9	251	3.4	1.5	1/4"	5/16"	24
35RSAPT-5Q		15 - 180	2 - 20	350	9.9	251	3.4	1.5	1/4"	5/16"	24
Trigger Start - Sliding Knob Reverse											
35RSATP-20Q		15 - 60	2 - 7	1500	9.0	229	3.1	1.4	1/4"	5/16"	24
35RSATP-10Q	35RSATP-10-3	15 - 110	2 - 12	750	9.8	248	3.4	1.5	1/4"	5/16"	24
35RSATP-7Q		15 - 160	2 - 18	500	9.8	248	3.4	1.5	1/4"	5/16"	24
35RSATP-5Q	35RSATP-5-3	15 - 180	2 - 20	350	9.8	248	3.4	1.5	1/4"	5/16"	24

General:

Tool performance rated at 90 psi (620kPa).
Weight does not include dead handle

Standard Equipment:

Operating instructions & service manual
Dead handle on all models above 100 in.lbs. torque
All torque springs required to meet indicated torque

Standard Equipment if Specified:

Dead handle (861006)

Standard Equipment if Specified:

Dead handle (861006)

Optional Equipment:

Additional accessories: Pages 12-13
Torque Springs: Page 13

Cleco®

19 Series Stall

Torque Range: 2.1 – 7.9 Nm 19 – 70 In. Lbs.

- 1/4" hex quick change drive
- Trigger start
- "P" and "T" style handles (19 series)
- 2 interchangeable soft-touch grip sizes (19 Series)
- Adjustable reverse lever for true one-hand - left or right - operation (19 series)
- Sliding knob or push button reverse (8 series)



Model Number	Torque Range		Free Speed	Length		Weight		Air Consumption		
	in.-lbs.	Nm	RPM	in.	mm	lbs.	kg	Air Inlet NPT	Min. Hose I.D.	SCFM
1/4" Quick Change										
Trigger Start - T Handle - Sliding Knob Reverse										
19TTS02Q	19	2.1	2800	5.8	146	1.19	0.5	1/4"	3/8"	11
19TTS03Q	26	2.9	1900	6.1	154	1.19	0.5	1/4"	3/8"	11
19TTS04Q	40	4.5	1100	5.8	146	1.19	0.5	1/4"	3/8"	11
19TTS05Q	45	5.1	660	6.1	154	1.19	0.5	1/4"	3/8"	11
8RNP-20BQ	44	5.0	1800	5.4	137	2.1	1.0	1/4"	1/4"	19
8RNP-10BQ	70	7.9	800	6.1	156	2.4	1.1	1/4"	1/4"	19
Trigger Start - P Handle - Sliding Knob Reverse										
19PTS02Q	19	2.1	2800	5.9	150	1.16	0.5	1/4"	3/8"	11
19PTS03Q	26	2.9	1900	6.1	155	1.16	0.5	1/4"	3/8"	11
19PTS04Q	40	4.5	1100	5.9	150	1.16	0.5	1/4"	3/8"	11
19PTS05Q	45	5.1	660	6.1	155	1.16	0.5	1/4"	3/8"	11

General:

Tool performance rated at 90 psi (620kPa).

Standard Equipment:

Operating instructions & service manual
Suspension bail

All torque springs required to meet indicated torque

Dead handle on all models above 100 in.lbs. torque

Standard Equipment if Specified:

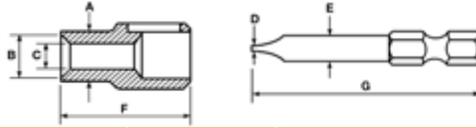
Dead handle (861006; 8 series models)

Optional Equipment:

Additional accessories: Pages 12-13
Bits: Page 12

Screwdriver Accessories

Standard and Extended Flat Bits and Finders



Screw Size	Standard Length (F=1 3/16 in.; G= 1 15/16 in.)		Finder Dimensions (in.)			Bit Dimensions (in.)		Extended Length (F=2 1/4 in.; G= 3 in.)	
	Bit No.	Finder No.	A	B	C	D	E	Bit No.	Finder No.
1F- 2R	849617	847299	.22	.169	.128	.122	.122	849891	847481
2F- 3R	849843	863242	.250	.196	.140	.028	.134	849879	847480
3F- 4R	849618	847300	.285	.228	.160	.032	.154	849892	847482
4F- 5R	849153	847301	.315	.259	.193	.034	.187	849893	847483
5F- 6R	849619	847302	.345	.291	.221	.036	.215	849894	847484
6F- 8R	849154	847303	.380	.323	.256	.038	.250	849895	847485
8F-10R	849620	847294	.445	.386	.281	.042	.275	849896	847486
10F-12R	849155	847304	.530	.431	.318	.046	.312	849897	847487
12F-14R	849156	847305	.590	.513	.366	.050	.360	849898	847488

Finder Springs

Light Force

844000

Medium Force

865728

Phillips Bits and Support Bushings



Phillips Bit Point Size	Bit Body Diameter (in.)	Phillips Bit Part No.	Support Bushing* Part No.
Standard: 1/4 in. Hex Shank Bit – 2 3/4 in. O.A. Length; Bushing – 1 3/16 in. O.A. Length			
1	3/16	809451	847301
2	1/4	809470	847303
3	5/16	809471	847304
Extended: 1/4 in. Hex Shank Bit – 3 1/2 in. O.A. Length; Bushing – 2 1/4 in. O.A. Length			
1	3/16	809453	847483
2	1/4	809473	847485
3	5/16	809474	847487

*Bushing not required on Quick Change models.

Bit Holders and Support Bushings



1/4" Hex Drive Magnetic Bit Holder
Part No. 849325 (2 3/8" O.A. Length)

Magnetic Support Bushing* Part No. 849621

Nonmagnetic Support Bushing* Part No. 847245

Quick-Change Bushing Part No. 201203
Fits all finder type tools except No. 2 Screwdriver

*Bushing not required on Quick Change models.

Screw Sizes & Types



Screw Size	Approximate Thread Body Diameter (inches)	Maximum Head Diameter (inches)							Width of Slot Max. - Min. (inches)
		Round Head	Flat Head	Oval Head	Fillister Head	Pan Head	Binding Head	Truss Head	
0	.058	.113	.119	.119	.096	.116	-	.131	.023 - .016
1	.071	.138	.146	.146	.118	.142	-	.164	.026 - .019
2	.084	.162	.172	.172	.140	.167	.181	.194	.031 - .023
3	.096	.187	.199	.199	.161	.193	.208	.226	.035 - .027
4	.109	.211	.225	.225	.183	.219	.235	.257	.039 - .031
5	.122	.236	.252	.252	.205	.245	.263	.289	.043 - .035
6	.135	.260	.279	.279	.226	.270	.290	.321	.048 - .039
8	.161	.309	.332	.332	.270	.322	.344	.384	.054 - .045
10	.187	.359	.385	.385	.313	.373	.399	.448	.060 - .050
12	.213	.408	.438	.438	.357	.425	.454	.511	.067 - .056
1/4	.247	.472	.507	.507	.414	.492	.513	.573	.075 - .064
5/16	.309	.590	.635	.635	.518	.615	.641	.698	.084 - .072

Inline Screwdriver Clutch Torque Springs

Spring Color	Torque Range		Ordering No.
	In. Lbs.	Nm	
2 Series			
Blue	1.5-.5	17-.06	202870
Green	8-1	.9-.1	202869
19 Series			
Green	19-5	--	207652PT
White	38-10	4.3-1.1	207596PT
Orange	45-15	5.1-1.7	207696PT
8 Series			
Blue	17-7	1.9-.8	869203
Green	55-15	6.2-1.7	867938
Red	75-35	8.5-4	867931
88, 35 Series			
Green	55-15	6-2	202822
Yellow	160-35	18-4	869306
Red	180-60	20-7	869305

Note: Torque listed is immediately after the clutch and does not take into consideration torque multiplication after the clutch, such as additional planetary gears or right angle heads.



Exhaust Overhose & Adapter



Order No.	Description	Used On
207019	Overhose	19 series inline & right angle
869204	Adapter	8, 88, 35 series inline, push-to-start

Piped Away Exhaust Hose Adapter



Order No.	Used On
203632	5 series inline
203808	8, 88, 35 series inline p-t-start

Dead Handle

Ordering No.	Used On
201770	5 series, 19 series
861006	8, 88, 35 series



Handle Grips

Order No.	Grip Type	Used On
202464	Round inline	2 series
869734	Round inline	5 series
203621	Tri-roundular inline	5 series
202346	Round inline	8 series p-t-start
203762	Pistol grip	5 series
203833	Pistol grip	8, 88, 35 series



Suspension Bails

Order No.	Used On
931962	19 series
869168	2 series
865777	5 series inline & 8, 88 series inline push-to-start
412603	5 series pistol grip & 8, 88 series inline lever start



Torque Signal Kits

Part No.	Tool Used On
301106	19SCA & 19RAA series (inline & right angle)
302021PT	19TTA & 19PTA series (pistol "P" handle or "T" handle)

Portable Tool Balancers

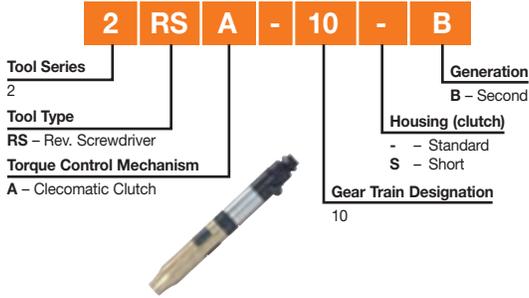
Part Number	Capacity		Net Weight	Min. Distance Hook to Hook	Length of Working Cable
	Max.	Min.			
200427	2 lbs.	0 lbs.	1.25 lbs.	10.8 in.	5.0 ft.
200428	4 lbs.	2 lbs.	1.25 lbs.	10.8 in.	5.0 ft.
200429	5 lbs.	3 lbs.	1.25 lbs.	10.8 in.	5.0 ft.
PL-12A	12 lbs.	1 lbs.	--	6.8 in.	4.6 ft.
BL-2A	2 lbs.	1 lbs.	1.1 lbs.	10.4 in.	5.2 ft.
BL-4A	4 lbs.	2 lbs.	1.1 lbs.	10.4 in.	5.2 ft.



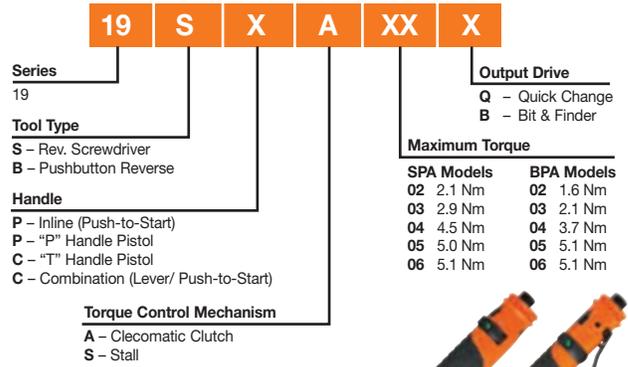
Screwdrivers

Model Number Nomenclature

Cleco 2 Series



Cleco 19 Series Inline



Cleco 19 Series Pistol

