

DRILCO

Cleco[®]
Production Tools

NeoTek[™]

Corded Electric Assembly Tools



1 MILLION CYCLES MAINTENANCE-FREE*

Get Ready to Streamline Your Assembly Line.

The Cleco® NeoTek™ fastening system is the next generation of smart tool solutions.

NeoTek exceeds the industry's most demanding assembly requirements by combining over 50 years of experience with smart technology. NeoTek tools were engineered to provide **1 million cycles maintenance-free***, while delivering **class-leading repeatability** of 2.0 Cm/Cmk at +/- 7%.

NeoTek's tool cable features an industry-first quarter turn twist-lock design, thus eliminating one of the leading causes of tool cable failure: damaged threads. The use of digital communication from tool to controller reduces the number of tool cable conductors from 28 to 8, **significantly decreasing cable diameter and reducing weight by 50%.**



The centerpiece of the system is the Cleco mPro400GCD-Hybrid Controller, which features a large touchscreen with an easy-to-use software interface.

The Cleco mPro400GCD-Hybrid Controller **supports industry standard protocols and fieldbus communication** which allows for easy integration into any manufacturing environment.



*based on recommended tool model torque range and clockwise rotation

Streamline your assembly line and increase your return on investment

The NeoTek™ fastening system is the next generation of smart tool solutions. The lightweight, ergonomic design along with fully programmable features such as the high-output LED light rings, audible alerts, and handle vibration all create a better use experience that leads to decreased operator fatigue and increased productivity.



DURABLE



ERGONOMIC



SCALABLE



TRACEABLE



21% lighter (tool/cable system) than existing tool family

Lightweight, smooth body design

Head configurable in 30° increments

1 million cycles maintenance-free

**Repeatability & accuracy with 2.0
Cm/Cmk at +/- 7%**



Optional Add-On Accessories



Two-hand start switch

Work light



Gyroscope

Camera Reader

1 MILLION CYCLES MAINTENANCE-FREE*

The complete system solution for all your assembly line needs

The twist-lock design of the tool cable connector eliminates **damaged threads**. The orange stripe on the cable allows for correct installation during festooning and greatly increases cable life by easily identifying twisted cables. The new mPro400GCD-Hybrid Controller is a **dual-analog and digital controller that supports legacy models** of Cleco tools (17 | 47 | 67 | 18 | 48 Series) as well as the LiveWire™ cordless tools.



EASY



SCALABLE



COST-EFFECTIVE



Digital communication for reliable performance

Internal temperature monitoring



Configurable LED light rings



Data logging with on-board tool memory



Preventive maintenance alerts



Tactile & audible operator feedback

Configurable multi-function buttons



Quarter-turn tool cable connection



Configurable two-position start switch

Non-contacting, long-lasting switches



Cable weight reduced by 50% over existing cable

Integrated tool cable memory for preventative maintenance





Backwards compatible with existing Cleco corded electric assembly tools

One work station can consist of 1 primary and 15 secondary controllers with 16 corded or cordless

Market-leading software user interface with configurable architecture

ARCnet and TSnet system bus

Hybrid controller designed to work seamlessly with Cleco Software



Suite & other workstation torque/process management solutions

NeoTek system is future proof with software/hardware architecture designed to meet & exceed Industry 4.0 requirements

Supports applications that require up to 45 meter tool cables

67 Series tools no longer require an isolation transformer

Optional: AnyBus® field bus modules for system integration



Real Global Controller for all regions with compliance certifications for IEC, UL, CSA, CE, EAC



Superior operator protection with galvanic isolated power supply



Elimination of GFCI maintenance support



Indicator line for installation & maintenance support



Wide variety of tool and extension cable lengths up to 45 meters

Quarter-turn cable connection to controller



More than double the life of our existing tool cable



30 SERIES INLINE

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	
30ESN05BD2	0.9	4.7	0.6	3.4	4275	0.96	2.12	337	13.26	16.3	0.64	1/4" Sq. Drive
30ESN05BDQ	0.9	4.7	0.6	3.4	4275	0.96	2.12	342	13.46	16.3	0.64	1/4" QC Drive
30ESN12FA3	3.9	11.6	2.8	8.5	1650	1.06	2.34	357	14.05	16.3	0.64	3/8" Sq. Drive
30ESN12EAQ	3.9	11.6	2.8	8.5	1650	1.06	2.34	361	14.21	16.3	0.64	1/4" QC Drive
30ESN19FB3	3.9	19	2.8	14	1000	1.06	2.34	357	14.05	16.3	0.64	3/8" Sq. Drive
30ESN26FC3	5.1	26	3.7	19.1	750	1.06	2.34	357	14.05	16.3	0.64	3/8" Sq. Drive

50 SERIES INLINE

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	
50ESN28FD3	5.6	28	4.1	20.6	2125	1.35	2.98	399	15.70	16.3	0.64	3/8" Sq. Drive
50ESN43GD3	9.0	43	6.6	31.7	1375	1.65	3.64	403	15.86	18.9	0.74	3/8" Sq. Drive
50ESN65HD4	14	66	10.3	48.6	900	1.90	4.19	435	17.13	22.0	0.87	1/2" Sq. Drive
50ESN85JD4	17	84	12.5	61.9	670	2.00	4.41	449	17.68	22.0	0.87	1/2" Sq. Drive
50ESN125KD4	25	123	18.4	90.7	455	2.40	5.29	460	18.11	28.0	1.10	1/2" Sq. Drive

70 SERIES INLINE

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	
70ESN95ND6	23	93	16.9	68.5	1325	5.20	11.46	566	22.28	33.1	1.30	3/4" Sq. Drive
70ESN130ND6	31	124	22.8	91.4	1000	5.20	11.46	566	22.28	33.1	1.30	3/4" Sq. Drive
70ESN185ND6	46	184	33.9	135.7	680	5.20	11.46	566	22.28	33.1	1.30	3/4" Sq. Drive
70ESN245ND6	61	245	45.7	180.7	510	5.20	11.46	566	22.28	33.1	1.30	3/4" Sq. Drive
70ESN355SD8	89	354	65.6	261.0	335	7.60	16.76	610	24.01	38.0	1.49	1" Sq. Drive
70ESN475SD8	118	473	87.0	348.8	250	7.60	16.76	610	24.01	38.0	1.49	1" Sq. Drive
70ESN700SD8	175	699	129.0	515.5	170	7.60	16.76	610	24.01	38.0	1.49	1" Sq. Drive
70ESN850SD8	213	850	157.1	626.9	128	7.60	16.76	610	24.01	38.0	1.49	1" Sq. Drive

1 MILLION CYCLES MAINTENANCE-FREE*
WHAT DOES 1 MILLION CYCLES MEAN?


2 to 3 times **Longer Life***

*Compared to previous Cleco
corded electric nutrunner models



Estimated **Maintenance
Cost Savings** of
\$5000 per tool**

**Based on average PM service cost of
\$500, 4 times per year for 2.5 years



Downtime Savings of
approximately
100 hours***

***Based on 20 hours run-time
daily for 5 working days

**30 SERIES RIGHT ANGLE**

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		HEIGHT		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	mm	in	
30EAN06EA3	1.3	6	0.9	4.4	2925	1.13	2.49	380	14.96	12.3	0.48	36.0	1.42	3/8" Sq. Drive
30EAN12EA3	2.6	12	1.9	8.8	1450	1.14	2.51	380	14.96	12.3	0.48	36.0	1.42	3/8" Sq. Drive
30EAN21FA3	4.4	21	3.2	15.4	835	1.32	2.91	408	16.06	16.4	0.65	40.3	1.58	3/8" Sq. Drive
30EAN28FA3	5.7	28	4.2	20.6	615	1.32	2.91	408	16.06	16.4	0.65	40.3	1.58	3/8" Sq. Drive

**50 SERIES RIGHT ANGLE**

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		HEIGHT		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	mm	in	
50EAN30FA3	6	30	4.4	22.1	1765	1.60	3.53	449	17.68	16.4	0.65	40.3	1.58	3/8" Sq. Drive
50EAN39GA3	8	39	5.9	28.7	1375	1.77	3.90	462	18.19	16.7	0.66	44.6	1.76	3/8" Sq. Drive
50EAN59HA3	12	59	8.8	43.5	915	1.94	4.28	464	18.27	19.0	0.75	51.4	2.02	3/8" Sq. Drive
50EAN80JA4	16	80	11.8	59.0	670	2.17	4.78	473	18.62	22.8	0.90	48.5	1.91	1/2" Sq. Drive
50EAN110KA4	22	109	16.2	80.3	475	2.76	6.08	493	19.41	25.3	1.00	60.3	2.37	1/2" Sq. Drive
50EAN150KB4	32	150	23.6	110.6	320	3.75	8.27	559	22.01	26.2	1.03	64.5	2.54	1/2" Sq. Drive
50EAN205NA6	41	205	30.2	151.2	250	3.93	8.66	562	22.13	29.5	1.16	62.0	2.44	3/4" Sq. Drive

**70 SERIES RIGHT ANGLE**

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		HEIGHT		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	mm	in	
70EAN155NA6	39	156	28.7	115.0	740	6.50	14.33	637	25.07	29.5	1.16	62	2.44	3/4" Sq. Drive
70EAN205NA6	52	205	38.3	151.1	555	6.50	14.33	637	25.07	29.5	1.16	62	2.44	3/4" Sq. Drive
70EAN240PA6	60	239	44.2	176.2	480	7.00	15.43	655	25.78	38.0	1.49	68	2.68	3/4" Sq. Drive
70EAN350PA6	88	350	64.9	258.1	325	7.00	15.43	655	25.78	38.0	1.49	68	2.68	3/4" Sq. Drive

**30 SERIES PISTOL**

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	
30EPN05BD2	0.9	4.7	0.6	3.4	4275	0.93	2.00	197	7.75	16.3	0.64	1/4" Sq. Drive
30EPN05BDQ	0.9	4.7	0.6	3.4	4275	0.91	2.16	210	8.26	16.3	0.64	1/4" QC. Drive
30EPN12FA3	3.9	11.6	2.8	8.5	1650	0.98	2.20	214	8.42	16.3	0.64	3/8" Sq. Drive
30EPN12EAQ	3.9	11.6	2.8	8.5	1650	1.00	2.20	229	9.01	16.3	0.64	1/4" QC. Drive
30EPN19FB3	3.9	19	2.8	14.0	1000	1.00	2.20	214	8.42	16.3	0.64	3/8" Sq. Drive
30EPN26FC3	5.1	26	3.7	19.1	750	1.00	2.20	214	8.42	16.3	0.64	3/8" Sq. Drive

**50 SERIES PISTOL**

MODEL NUMBER	TORQUE RANGE NM		TORQUE RANGE ft-lb		SPEED r/min	WEIGHT		LENGTH		SIDE TO CENTER		OUTPUT DRIVE
	min	max	min	max		kg	lb	mm	in	mm	in	
50EPN28FD3	5.6	28	4.1	20.6	2125	1.58	3.48	256	10.07	16.3	0.64	3/8" Sq. Drive
50EPN43GD3	9	43	6.6	31.7	1375	1.65	3.64	260	10.23	18.9	0.74	3/8" Sq. Drive
50EPN65HD4	14	66	10.3	48.6	900	2.14	4.72	288	11.33	22.0	0.86	1/2" Sq. Drive
50EPN85JD4	17	84	12.5	61.9	670	2.22	4.85	302	11.88	22.0	0.86	1/2" Sq. Drive
50EPN125KD4	25	123	18.4	90.7	455	2.62	5.78	313	12.32	28.0	1.10	1/2" Sq. Drive

CONTROLLER



MODEL NUMBER	TOOL COMPATIBILITY	WEIGHT		WIDTH		HEIGHT		DEPTH	
		kg	lb	mm	in	mm	in	mm	in
mPro400GCD-P	Cleco NeoTek 30/50/70 Series, 18/48 Series, 17/47/67 Series*, LiveWire, Intelligent Spindles**	13.4	29.5	261.62	10.3	378.46	14.9	327.66	12.9

*Adapter cable required for 17/47/67 Series tool

**Requires quote to accommodate hardware configurations

TOOL CABLE - 30 / 50 / 70 SERIES



MODEL NUMBER	LENGTH		WEIGHT	
	m	ft	kg	lb
961560-030	3	9.9	0.79	1.7
961560-060	6	19.7	1.23	2.7
961560-080	8	26.3	1.52	3.4
961560-100	10	32.9	1.81	4.0

EXTENSION CABLE - 70 SERIES



MODEL NUMBER	LENGTH		WEIGHT	
	m	ft	kg	lb
961923-050	5	16.5	1.79	3.9
961923-100	10	32.9	3.34	7.4
961923-150	15	49.4	4.89	10.8
961923-200	20	65.8	6.44	14.2
961923-250	25	82.3	7.99	17.6

For 70 Series Tools:
Up to 3 meter Tool Cable can be used with a maximum of 25 m Extension Cable
Up to 6 meter Tool Cable can be used with a maximum of 20 m Extension Cable

ELECTRICAL ACCESSORIES

2D CAMERA SCANNER



FITS	PART NUMBER
30/50 Series Right Angle and Inline	937731PT
70 Series Right Angle and Inline	942391PT
30 Series Pistol	T55-3000018
50 Series Pistol	T55-3000019

GYROSCOPE



FITS	PART NUMBER
30/50 Series Right Angle and Inline	942396PT
70 Series Right Angle and Inline	943684PT
30 Series Pistol	T55-3000020
50 Series Pistol	T55-3000021

ADAPTER CABLE



FITS	PART NUMBER
17/47/67 Series Tools	961789PT

WORK LIGHT



FITS	PART NUMBER
30/50 Series Right Angle and Inline	943462PT
70 Series Right Angle and Inline	943464PT

SUSPENSION BAILS

RIGHT ANGLE & INLINE - 30/50 SERIES

TYPE	PART NUMBER
Fixed	T50-3000048

TYPE	PART NUMBER
Offset, Fixed	T50-3000060

TYPE	PART NUMBER
Swivel	T50-3000063

TYPE	PART NUMBER
Offset, Swivel	T50-3000061

REACTION BARS & MOUNTING BRACKETS

INLINE: 30 SERIES

FITS	PART NUMBER
30ESN12EAQ, 30ESN12FA3	301934PT
30ESN19FB3, 30ESN26FC3	542127

INLINE: 50 SERIES

FITS	PART NUMBER
50ESN28FD3, 50ESN43GD3	542127
50ESN65HD4, 50ESN85JD4, 50ESN125KD4	48047128

INLINE: 70 SERIES

FITS	PART NUMBER
70ESN95ND6, 70ESN130ND6, 70ESN185ND6, 70ESN245ND6	201034
70ESN355SD8, 70ESN475SD8, 70ESN700SD8, 70ESN850SD8	46036202

RIGHT ANGLE - 50 SERIES

FITS	PART NUMBER
50EAN59HA3	T50-3000064
50EAN80JA4	T50-3000065
50EAN110KA4	T50-3000066
50EAN150KB4	T50-3000067
50EAN205NA6	T50-3000068

REACTION BARS: PISTOL: 30 SERIES

FITS	PART NUMBER
30EPN12EAQ, 30EPN12FA3	301934PT
30EPN19FB3, 30EPN26FC3	542127

REACTION BARS: PISTOL: 50 SERIES

FITS	PART NUMBER
50EPN28FD3, 50EPN43GD3	542127
50EPN65HD4, 50EPN85JD4, 50EPN125KD4	48047128

BODY EXTENSIONS

RIGHT ANGLE - 50 SERIES

FITS	PART NUMBER
50EAN59HA3	T50-3000072
50EAN80JA4	T50-3000071

FITS	PART NUMBER
50EAN110KA4	T50-3000069
50EAN150KB4, 50EAN205NA6	T50-3000070

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