

# Pulse Nutrunners


Hydraulic Pulse Air Shut-Off

# Cleco®

## PTH, STH Series

**Torque Range:**  
2.6 – 400 Nm  
1.9 – 295 Ft. lbs

**Bolt Size:**  
M3 – M20  
#5 – 3/4"

- Hydraulic pulse air shut-off
- Motor governor equipped
- External torque adjustment
- External exhaust control
- Reversible
- Oilless blades 



Model Number			Bolt Size		Free Speed RPM	Torque Range		Length**		Weight**	
1/4" Hex Quick Change	7/16" Hex Quick Change	Square Drive*	Gr. 5 in.	Gr. 9.8 mm		Ft.-lbs.	Nm	in.	mm	lbs.	kg
<b>Pistol Grip – **Shut-off Models – Trigger Throttle</b>											
			#10	M5	3500	3.0-5.2	4-7	6.9	174	1.9	0.8
			1/4	M6	3500	4.4-8.1	6.0-11	7.2	182	2.0	0.9
		20PTHLC353	5/16	M8	3500	7.4-14	10-20	7.6	192	2.4	1.1
			5/16	M8	3500	12-22	17-30	8.0	202	2.6	1.2
		35PTHLC353	5/16	M10	3500	12-26	17-35	8.0	202	2.6	1.2
	55PTHLC35Q	55PTHLC354	7/16	M12	3500	23-40	30-55	8.7	216	3.7	1.7
	75PTHLC35Q	75PTHLC354	1/2	M12	3500	33-55	45-75	8.9	226	4.2	1.9
	105PTHLC25Q	105PTHLC254	1/2	M14	2500	52-77	70-105	8.9	226	5.3	2.4
	140PTHLC25Q		5/8	M16	2500	74-103	100-140	9.9	251	5.7	2.6
		160PTHLC256	5/8	M16	2500	74-118	100-160	9.8	245	5.7	2.6
<b>Pistol Grip – **Shut-off Models – Trigger Throttle – Frequency Adjustment</b>											
		250PTHFC226	5/8	M16	2200	118-184	160-250	10.3	261	8.8	4.0
		400PTHFC206	3/4	M18	2000	185-295	250-400	11.0	279	11.7	5.3
<b>In-Line – Push-to-Start – Frequency Adjustment</b>											
	7STHFA55Q		#10	M5	5500	1.9-4.9	2.6-6.6	8.8	224	1.8	0.83
	35STHFA40Q		5/16	M8	4000	12-26	15-35	10.6	270	3.1	1.4
		35STHFA404	5/16	M8	4000	12-26	15-35	10.2	260	2.9	1.3
<b>In-Line – Lever – Frequency Adjustment</b>											
	7STHFC55Q		#10	M5	5500	1.9-4.9	2.6-6.6	10.3	262	2.1	0.93
	15STHFC40Q		1/4	M6	4000	3.6-11	5.0-15	11.4	290	2.4	1.1
	35STHFC40Q		5/16	M8	4000	12-26	15-35	12.2	310	3.3	1.5
		35STHFC404	5/16	M8	4000	12-26	15-35	11.8	300	3.3	1.5
<b>In-Line – Lever – Non Frequency Adjustment</b>											
	15STHC30Q		1/4	M6	3000	3.6-11	5.0-15	11.4	290	2.4	1.1

(\*) Model #'s ending with 3 = 3/8" square drive;  
4 = 1/2" square drive; 5 = 5/8" square drive;  
6 = 3/4" square drive.  
(\*\*) Approximate values. Some variance may occur between square and Q drives.

**GENERAL:**  
Air Inlet: 1/8" NPT (7STH)  
3/8" NPT (105-400),  
1/4" NPT (All other models)  
Tool performance rated @ 87 psi (6 bar) air pressure.

**STANDARD EQUIPMENT:**  
Suspension bail and torque adjusting wrench.  
Torque signal port (pistol grip models only)  
**OPTIONAL EQUIPMENT:**  
Additional accessories: Page 73

# Pulse Nutrunners

Hydraulic Pulse Air/Non Shut-Off



## Cleco®

### PH Series

**Torque Range:**  
4 – 400 Nm  
3 – 295 Ft. lbs

**Bolt Size:**  
M5 – M18  
#10 - 3/4"

■ External exhaust control

■ Reversible

■ Oilless blades



Model Number			Bolt Size		Free Speed RPM	Torque Range		Length**		Weight**	
1/4" Hex Quick Change	7/16" Hex Quick Change	Square Drive*	Gr. 5	Gr. 9.8		Ft.-lbs.	Nm	in.	mm	lbs.	kg
			in.	mm							
<b>Pistol Grip – **Non Shut-off Models – Trigger Throttle</b>											
			#10	M5	9000	3.0-5.2	4-7	6.3	159	1.8	0.8
		11PHL802	1/4	M6	8000	4.4-8.1	6-11	6.6	167	1.9	0.9
		20PHL703	5/16	M8	7000	7.4-14	10-20	6.9	176	2.3	1.1
			5/16	M10	7000	13-22	17-30	7.2	183	2.6	1.2
		35PHL703	5/16	M10	7000	13-26	17-35	7.3	186	2.6	1.2
	55PHL60Q	55PHL604	7/16	M12	6000	22-40	30-55	7.9	201	3.7	1.7
	75PHL50Q	75PHL504	1/2	M12	5000	33-55	45-75	8.3	211	4.0	1.8
	105PH55Q	105PH554	1/2	M14	5500	52-77	70-105	8.9	225	5.3	2.4
	140PH45Q		5/8	M16	4500	74-103	100-140	9.8	250	5.7	2.6
		160PH456	5/8	M16	4500	74-118	100-160	9.8	250	5.7	2.6
<b>Pistol Grip – **Non Shut-off Models – Trigger Throttle – Frequency Adjustment</b>											
		250PHF406	5/8	M16	4000	118-184	160-250	10.3	261	8.6	3.9
		400PHF356	3/4	M18	3500	184-295	250-400	11.0	279	11.5	5.2

(\*) Model #'s ending with 2 = 1/4" square drive;  
3 = 3/8" square drive; 4 = 1/2" square drive;  
5 = 5/8" square drive; 6 = 3/4" square drive.

(\*\*) Approximate values. Some variance may occur between square and Q drives. For 7-75 Series Models, small handle can be ordered by substituting "S" for "L" in model number

**GENERAL:**  
Air Inlet: 3/8" NPT (105-160),  
1/4" NPT (All other models).  
Tool performance rated @ 87 psi (6 bar) air pressure.

**STANDARD EQUIPMENT:**  
Suspension bail and torque adjusting wrench.

**OPTIONAL EQUIPMENT:**  
Additional accessories: Page 73