

Pneumatic Torque Wrench

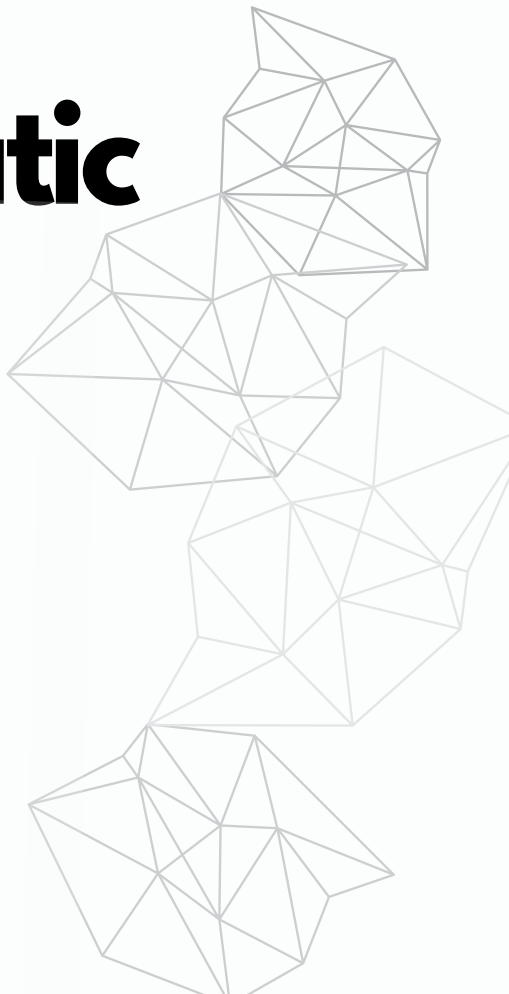
ELECTRONZ SERIES

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ElectronZ Series

HIGHLY ADVANCE TORQUE WRENCH SERIES



A Pneumatic Torque Wrench is an air motor driven planetary gear box having a very high reduction ratio. The gear box is provisioned with a reaction arm to absorb the torque reaction. Unlike impact wrench, pneumatic torque wrench is driven by continuous gearing and hence has no noisy and hazardous hammering. This is why a pneumatic torque wrench has an excellent accuracy and repeatability. Pneumatic torque wrench offers following significant advantages:

- Pneumatic is always known for clean and tidy way of working.
- Combination of Air motor with planetary gear guarantees, a much faster, safe and economical operation.
- Easy and fast operation.

Pneumatic Torque wrenches are the preferred torquing method to achieve productivity with less manpower. Powermaster Pneumatic torque wrenches offer the reliable and dependable solution for the torquing and un-torquing of heavy duty bolts and nuts at various industries where speed, power, accuracy and safety are required. Maximum operating pressure is 90 psi (6 bar).



Brief Operational Sequence



Connect the inlet air source to FRL Unit (fig.1), if required adjust the lubricant flow rate on FRL.



Set the required pressure as per chart provided, on the FRL while trigger pressed in torquing direction(fig.2).



Fix the required socket and reaction arm on to the tool (fig.3).



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Technical Features

- **Light and Compact:** Light and compact tool design, suitable for a variety of applications.
- **Heavy Duty Gear Box:** Heavy duty gear box with thrust bearing for low friction and longer operational life.
- **Single Trigger:** Single trigger for both forward and reverse operation.
- **Integral Hook Point:** Integral hook for use of tool balancer, etc.
- **Low Noise Level:** Low noise level with no vibration.
- **High Accuracy:** ElectronZ has an accuracy of better than $\pm 5\%$ with repeatability within 2% variation.
- **Reaction Boot:** Reaction arm provisioned with removable boot for soft padding or extension as required.
- **Customised Reaction Arm:** A wide range of standard and customized reaction arms are available as per customer requirements.
- **Wheel Extension:** Variety of wheel extensions available for deep reach, where tool clearance is a problem.
- **Accessories:** Accessories like universal socket, universal joint, and thin wall sockets available.

Technical Details

MODEL NO	Min. Torque		Max. Torque		Free Speed	Square Drive	Weight
	Lbs	Nm	Lbs	Nm	RPM	inch	Kgs
ElectronZ - 15	30	45	130	180	42	1/2" / 3/4"	7
ElectronZ - 50	125	170	500	680	25	1/2" / 3/4"	9.5
ElectronZ - 75	185	250	750	1020	15	3/4" / 1"	9.5
ElectronZ - 100	250	340	1040	1400	9	3/4" / 1"	9.5
ElectronZ - 200	560	750	2200	3000	6	1" / 1.1/2"	11
ElectronZ - 300	750	1010	3000	4050	3	1" / 1.1/2"	12.5
ElectronZ - 400	1000	1350	4000	5400	2.5	1.1/2"	15.4
ElectronZ - 500	1200	1650	4800	6500	2	1.1/2"	16.5
ElectronZ - 600	1630	2200	6000	8100	1.5	1.1/2"	16.5

SERIES

Air Operated FRL unit



It is used to regulate the air pressure and properly lubricate the air motor for ultimate life. The Regulator regulates the inlet air pressure and controls the output torque of pneumatic torque wrench. All pneumatic tools must be used with FRL Unit. It is strongly advised not to exceed the maximum operating pressure as specified in the individual tool certificate.

Technical Features:

- **Metallic Cage:** The Filter, Regulator, Lubricator & Hose are mounted on a strong handy metallic cage.
- **Calibrated Pressure Gauge:** Calibrated 0 - 150 psi pressure gauge for perfect torque output.
- **Regulator Knob:** Smooth operating regulator knob for easy setting of pressure, provided with safety lock.
- **Fine adjustment knob:** Fine adjustment of lubrication for tool available on FRL.
- **Manual Drain:** Easy push type manual drain to clear the water dispenser.
- **Safety Bowl Guard:** Steel bowl guard for safety in case of glass bowl failure.
- **Easy detachable bowl:** Easy detachable bowl for replenishing the oil / cleaning.
- **Hose:** Coiled 3 mtrs hose for easy storage in the cage.
- **Quick Connect Adaptors:** FRL comes fitted with quick connect adaptors for easy connection to

Tool

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Technical Details

FRL		
Adaptor Size		½ BSP
Element		Sinter, Bronze (25 micron)
Bowl Capacity		150 ml
Bowl Guard		Steel
Pressure Gauge		0 - 150 psi
Diaphragms and Seals		Nitrile
Recommended Oil		ISO VG 32
Media (inlet air)		Compressed Air
Hose		
Coiled Hose		3 mtrs.
Adaptor Size		½" BSP
Cage		
Metallic Handy and Portable		Wt. 7 Kg. of Complete Assembly.

ElectronZ Series Acessories

REACTION ARM

Different Types for Reaction Arms are available for variety of Applications, Customized reaction arms are available on requirement

