



**WTC MACHINERY** Engineered to perform. Built to last.

WTC Machinery is a global leader in designing and building machinery and tooling for heavy equipment repair facilities.

**EL10000**

**Fast Torque and accurate torque turns.**

The powerful EL10000 All Electric Torque Wrench now takes fast, accurate torquing of track shoe bolts to a whole new level. With advanced remote diagnostics and data logging capabilities downtime and customer warranties are minimized.

A dedicated laptop computer is available with every EL10000, and it's networked so that WTC can perform remote analysis and maintenance on the wrench. This can save the expense and delay of a service visit.

**Advanced Data Storage**

In addition, WTC now offers an optional data logging software package for the EL10000 laptop that's sure to boost shop productivity. It records each bolt torque setting, each after-torque turn setting, and the actual measured values obtained from each bolt tightening sequence for each track.

This information is stored in a database, along with the make, model and serial number of the track in question, the service date and time, and any internal job number. Data for a particular machine can then be retrieved whenever the track chain is in need of service, making future repairs and maintenance quicker and easier.

**Quite, Accurate Operation**

The EL10000 is well known for its lightweight design and air lift, which reduce operator fatigue while providing plenty of down-force for worn bolts. It's entirely electric, making it quite, less than 80 decibels at full running speed of 420 RMPs. The EL10000 is more reliable and more accurate than a hydraulic wrench.



With this wrench there is no need to touch off worn bolts like this.



**Specifications:**

Maximum Torque:	8,000 lb-ft (11000 N-m)
High Speed Run-Down:	422 rpm
Hydraulic Down Force:	1,500 lb/f (6,670N)
After Turn Torque Angles:	60, 90, 120, 150, & 180
Torque Turn Range:	225 lb-ft to 7,000 lb-ft

**Electrical**

Electrical Supply:	5 Hp (3.7 kW)
Standard Voltages:	Three Phase
	208V / 55.20A / 60 Hz
	220V / 57.96A / 50 Hz
	230V / 50.00A / 60 Hz
	380V / 52.50A / 50 Hz
	415V / 26.25A / 50 Hz
	460V / 25.00A / 60 Hz
	460V / 25.00A / 60 Hz

## SECTION 3 – EL10000 Electric Torque Wrench Specifications

### DIMENSIONS

**Weight** ... 1570 lbs (715 kg)    **Width** ..... 57 inches (1,45 m)  
**Length**... 59 inches (1,50 m)    **Height** ..... 74 inches (1,88 m) above Conveyor centerline  
106 inches (2,69 m) on standard conveyor

### ENVIRONMENTAL

Operating Temperature Range .... 50°F to 100°F ( 10°C to 38 °C)  
Storage Conditions ..... 0°F to 150 °F (-18 to 65 °C) Non-condensing Moisture  
Altitude ..... < 3,280 feet (< 1000 meters) above Sea Level  
Noise Level ..... 77 dB (A-Weighted)

### MAXIMUM TORQUE

8,000 lb-ft (11000 N-m)



#### **WARNING!**

*Improperly rated tooling (sockets, adapters and extensions) present the risk of flying debris.  
Always use impact-rated tooling, sized for the maximum bolt torque.  
Always consider the effects of the after-turn and of rusted or damaged track bolts on the torque rating.  
Always inspect sockets, adapters and extensions before use, and discard damaged tooling.*

### OUTPUT DRIVE

1-1/2" (38.1 mm) Square Drive

### MAXIMUM SPEED

422 RPM

### HYDRAULIC POWER UNIT

Pressure - 300 psi (21 Bar) Max.  
Flow – 3.5 GPM (13 LPM) Max.

### ELECTRICAL SUPPLY

21,5 kW 3-Phase 50 / 60 Hz  
Standard Voltages\*:  

50 Hz	60 Hz
415 V / 30.5 A	460 V / 27.5 A
380 V / 33.3 A	230 V / 55.0 A
220 V / 57.9 A	208 V / 60.8 A

### SOCKET DOWN-FORCE

1,500 pounds (680 kg-F)

### AFTER-TURN ANGLES

0°, 60°, 90°, 120°, 150° and 180°

### CARRIAGE WHEELS

Standard – match 6" A36 "C" Channel  
Other sizes available on request

### COMPRESSED AIR SUPPLY

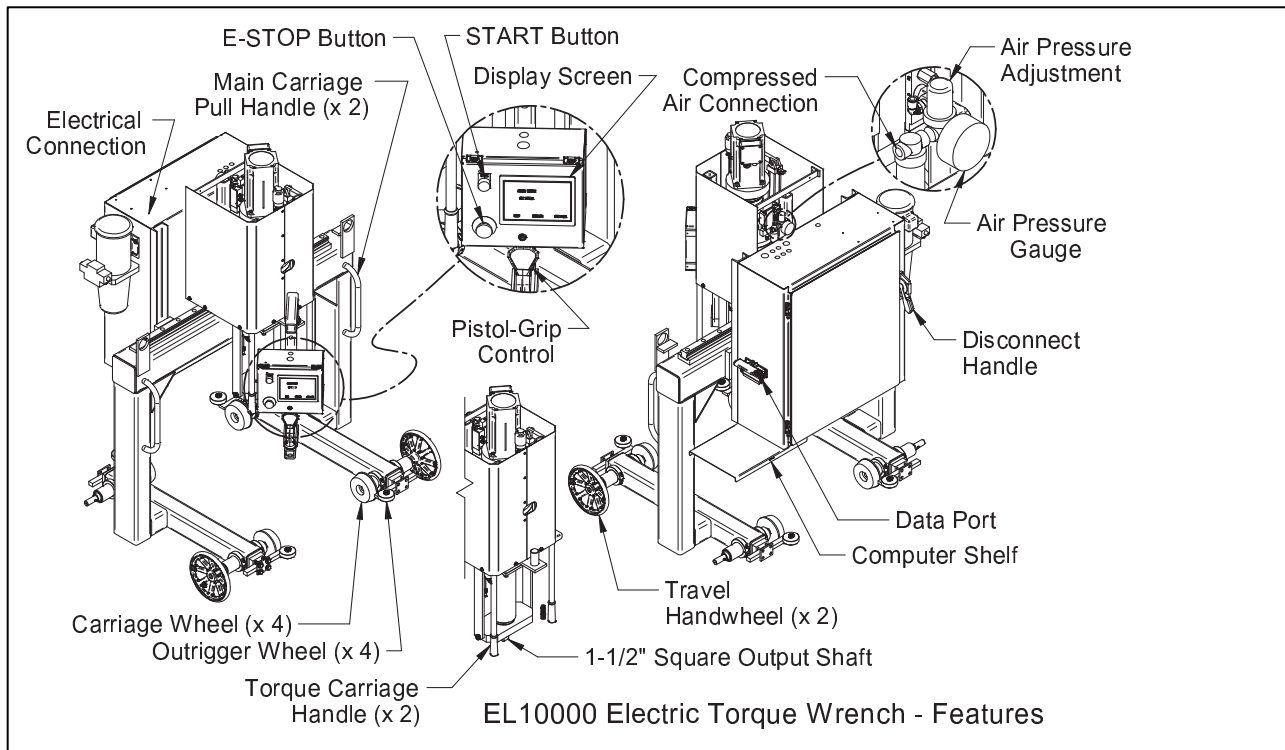
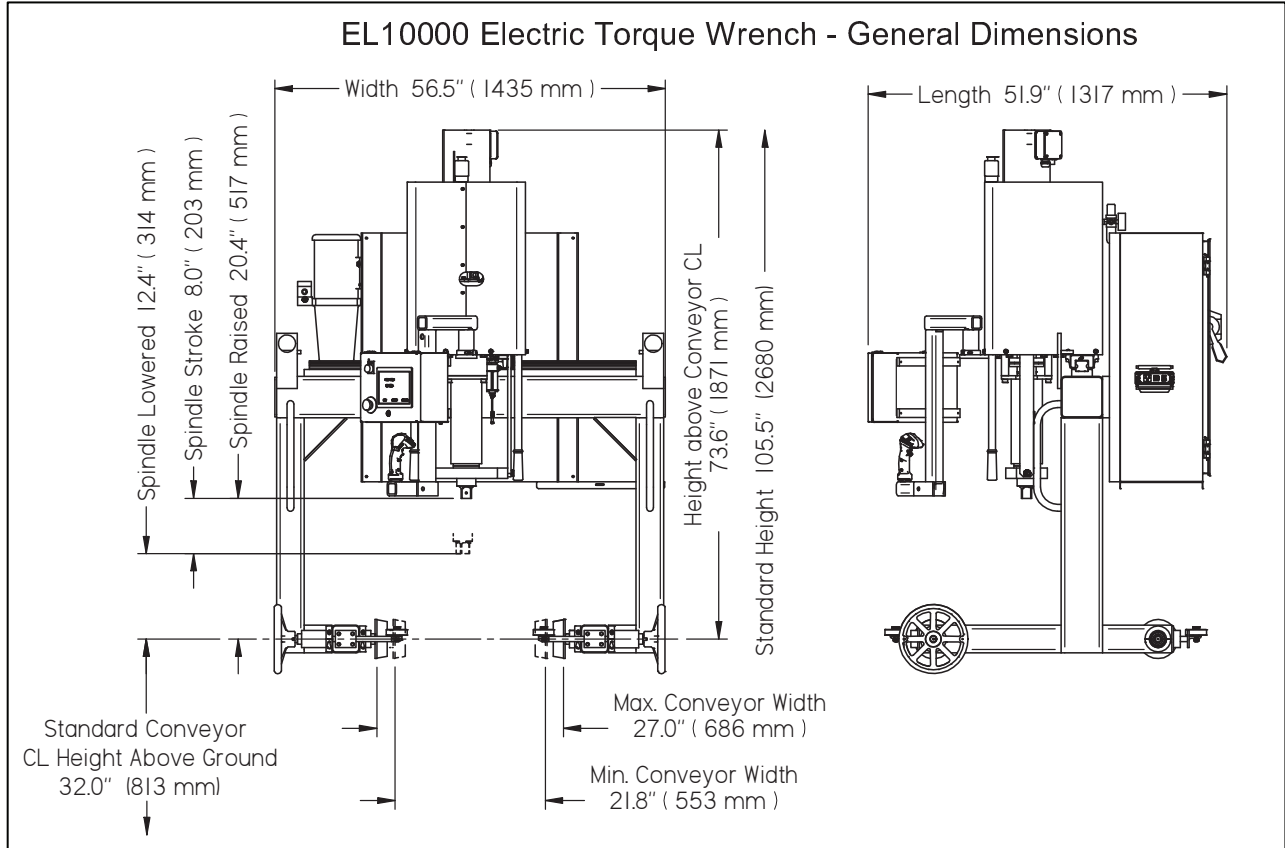
Pressure - 80 to 120 psi (5,5 to 8,3 Bar)  
Flow - 4.0 SCFM (0.06 m<sup>3</sup>/min) min.  
Air line (by customer) – 3/8" (10 mm) min. ID  
Air supply should have a shutoff, filter and dryer

**\*NOTE: The EL10000 connects directly to 460 Volt 60 Hz WYE-connected electrical supplies.  
Customers with 460/60 electrical should confirm it is WYE-connected, with a center-point earth ground. EL10000 models for other voltages are shipped with transformers to convert to a 460 Volt WYE-connected output.**

### FESTOON SYSTEM

Festoon Systems (or cable carriers) are available from WTC Machinery for the EL10000. These support the EL10000's power cable and compressed air line, and allow them to travel with the EL10000 as it moves along the conveyor system.

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**



**EL10000 Electric Torque Wrench Features**

Controls -

START Button – starts the EL10000 Electric Torque Wrench

ESTOP Button – stops the EL10000

Display Screen – enters settings for the EL10000, and shows the final torque when tightening bolts.

Pistol Grip Control – raises and lowers the Output Shaft, selects tightening or loosening, and shows the status when tightening bolts

1-1/2" Square Output Shaft – the attachment for impact sockets, extensions and adapters. This moves up and down to clear track pad grousers and then bring the socket down to the track pad bolt.

Carriage Wheels – guide the EL10000 on conveyor system outer rails and carry the weight of the Wrench

Outrigger Wheels –center the EL10000 on the conveyor system, and resist the torque of the EL10000

Travel Handwheels – move the EL10000 along the conveyor system

Main Carriage Pull Handles – move the EL10000 along the conveyor system

Torque Carriage Handles – move the Torque Carriage side-to-side

Air Pressure Adjustment and Gauge – set the incoming air supply pressure

Data Port – provides power and Ethernet connection for a laptop computer, used for remote troubleshooting, and for optional Data Collection

Computer Shelf – supports the laptop computer