

AutoTORQ PW Series

Hydraulic Chain Pipe Wrench



- **Tightens and Loosens Tubular Threaded Joints**
- **Utilizes rig hydraulics**
- **Has a wide range of tubular sizes**
- **Delivers controlled torque to threaded joints**
- **Fully portable**



LEADING PROVIDER OF BOLT LOADING & REMOVAL SOLUTIONS

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2013

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- Utilizes rig hydraulics
- Has a wide range of tubular sizes
- Delivers controlled torque to threaded joints
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Available Sizes

PW150 100 - 408

Working Pipe Diameters: 1" to 4-1/2" O.D.

PW200 204 - 500

Working Pipe Diameters: 2-1/8" to 5" O.D.

PW200 312 - 804

Working Pipe Diameters: 3-3/4" to 8-1/4" O.D.

PW250 412 - 1012

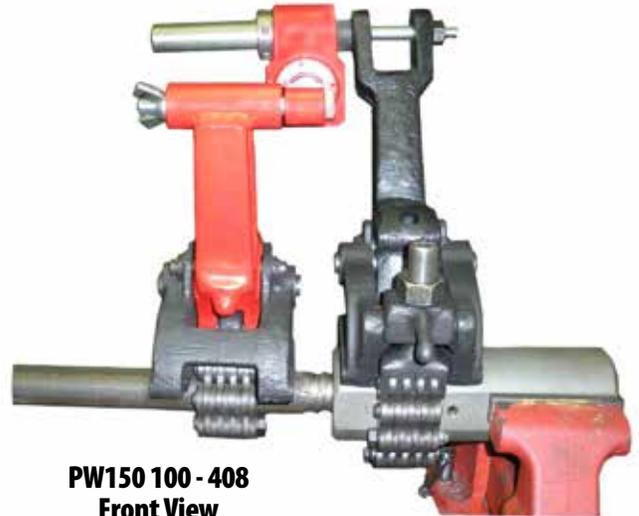
Working Pipe Diameters: 4-3/4" to 10-3/4" O.D.

PW325 802 - 1400

Working Pipe Diameters: 8-1/8" to 14" O.D.



PW150 100 - 408
Left View



PW150 100 - 408
Front View



AutoTORQ PW Series Hydraulic Chain Pipe Wrench

Chain Pipe Wrench Loads

PW150 100-408								
Cylinder Area Sq. In.	Pressure (PSI)	Force/lbs	Pipe OD	Lever Arm	Torque Ft. Lbs.	Pipe OD	Lever Arm	Torque Ft. Lbs.
1.767	3000	5,301	1"	9"	3,975	4-1/2"	12"	5,301

PW200 202-500								
Cylinder Area Sq. In.	Pressure (PSI)	Force/lbs	Pipe OD	Lever Arm	Torque Ft. Lbs.	Pipe OD	Lever Arm	Torque Ft. Lbs.
2.00	3000	6,000	2-1/8"	12-1/2"	6,240	5"	14-1/5"	7,200
2.00	6000	12,000	2-1/8"	12-1/2"	12,480	5"	14-1/5"	14,400

PW200 312-804								
Cylinder Area Sq. In.	Pressure (PSI)	Force/lbs	Pipe OD	Lever Arm	Torque Ft. Lbs.	Pipe OD	Lever Arm	Torque Ft. Lbs.
2.00	3000	6,000	3-3/4"	13"	6,480	8-1/4"	17"	8,460
2.00	6000	12,000	3-3/4"	13"	12,960	8-1/4"	17"	16,920

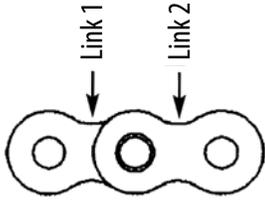
PW250 412-1012								
Cylinder Area Sq. In.	Pressure (PSI)	Force/lbs	Pipe OD	Lever Arm	Torque Ft. Lbs.	Pipe OD	Lever Arm	Torque Ft. Lbs.
4.90	3000	14,700	4-3/4"	14"	17,052	10-3/4"	18"	22,050
4.90	6000	29,400	4-3/4"	14"	34,104	10-3/4"	18"	44,100

PW325 802-1400								
Cylinder Area Sq. In.	Pressure (PSI)	Force/lbs	Pipe OD	Lever Arm	Torque Ft. Lbs.	Pipe OD	Lever Arm	Torque Ft. Lbs.
8.30	3000	24,900	8-1/8"	17"	35,109	14"	20"	41,334
8.30	6000	49,800	8-1/8"	17"	70,218	14"	20"	82,668

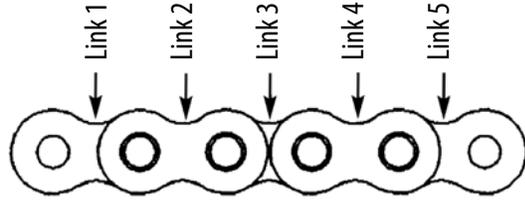


Chain Identification Guide

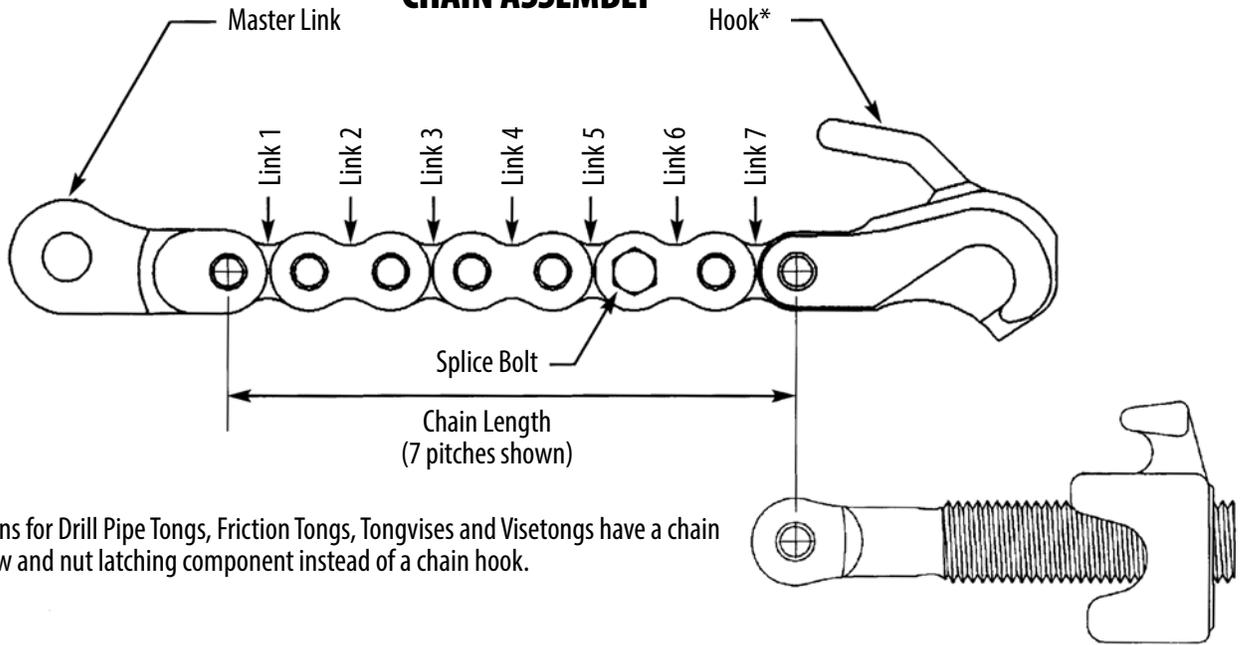
2 LINK SECTION



5 LINK SECTION

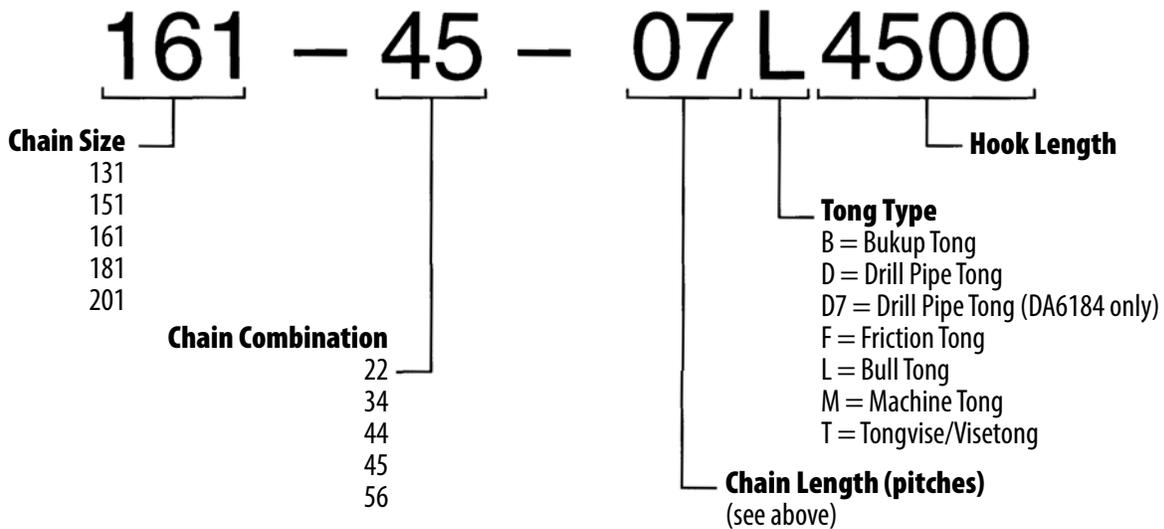


CHAIN ASSEMBLY



*Chains for Drill Pipe Tongs, Friction Tongs, Tongvises and Visetongs have a chain screw and nut latching component instead of a chain hook.

THIS IS WHAT A CHAIN PART NUMBER TELLS YOU



AutoTORQ Power Units

Power Units for Torque Wrenches

Speed

FASTORQ® Power Units offer more speed, power and durability than any other power unit in the industry.

Accuracy and Ease

Set the torque and with the touch of a button, FASTORQ® Power Units power the torque wrench to the desired level.

Versatility

All FASTORQ® Power Units provide power and control to a complete range of hydraulic torque wrenches, from 150 to 150,000 ft./lbs.

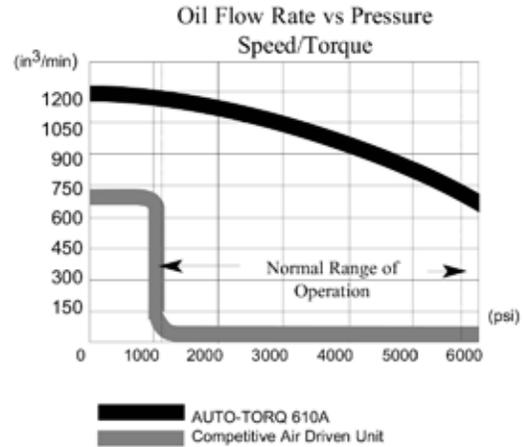
Reliability

Every power unit is fully tested by FASTORQ® technicians and is delivered ready for operation complete with the necessary hoses, controllers and quick disconnects.

The Difference

Competitive power units utilize 2-stage pumps. The first stage provides a high flow rate (speed) up to 1,000 psi (10% of torque capacity). When the torque requirement exceeds 10% (1,000 psi), the second stage takes over and the flow rate (speed) is reduced to one tenth (see chart).

For example, at full pressure the AutoTORQ 610A unit generates 650 cubic inches per minute (in.3/min.) creating enough output to operate a torquing tool nearly 1000% faster than competitive power units, at the same pressure (torque). When low flow rate (lack of speed) at higher pressures limits your productivity, FASTORQ® AutoTORQ power units are the answer.



The AutoTORQ power units maintain higher speeds all across the torque range. The competitive pump delivers high speed at 10% of torque then drops to one-tenth of the AutoTORQ speed and stays there across the torque range.

Maximum oil flow rate allows the 610A to run up to 10 times faster for top torquing performance. Standard equipment includes spin-on 10 micron oil filter, air filter/regulator/lubricator, liquid-filled stainless steel hydraulic pressure gauge, sight gauge for easy oil level and temperature control, 25 ft. remote control hoses and 25 ft. oil-filled hydraulic hoses with quick disconnect fittings and safety locks. The 610A is mounted on a two-wheeled cart for portability.

FASTORQ Model 610A Power Unit provides 10,000 psi operation.



FASTORQ®
The Speed of Innovation.

AutoTORQ 10K Power Unit

MODEL 610A

Super high-speed hydraulic torque wrench pump suited for demanding turnaround and shutdown maintenance operations.

Features:

- 6 HP Air Motor
- Positive displacement reciprocating fluid end
- 10,000 psi Operation
- CIM Flow Data: 550 @ 0 psi; 380 @ 5,000 psi; & 150 @10,000 psi
- Precision Valve for torque and pressure control adjustment
- Glycerin filled easy to read pressure gauge
- Air Inlet filter, regulator, lubricator assembly
- 3-gallon hydraulic reservoir
- Spin-On 10-micron oil filter
- Oil Gauge
- Temperature Gauge
- Self Cooled
- Low maintenance
- Rugged
- Hand held 2-button remote control pendant with 25' color-coded lines
- All mounted on a 2-wheel mobile hand truck for maximum portability
- Optionally available mounted in a ridged steel frame
- Optionally available with 4 hydraulic ports for the simultaneous operation of up to 4 torque wrenches

Safety Features:

- If the button of the remote control is released or the remote control is dropped, the pump and torque wrench will come to an immediate stop
- Equipped with twin air exhaust valves

Air Requirement:

- Requires 150 cfm air volume @ 100 psi for optimum performance



Model 610A High Speed Pump

