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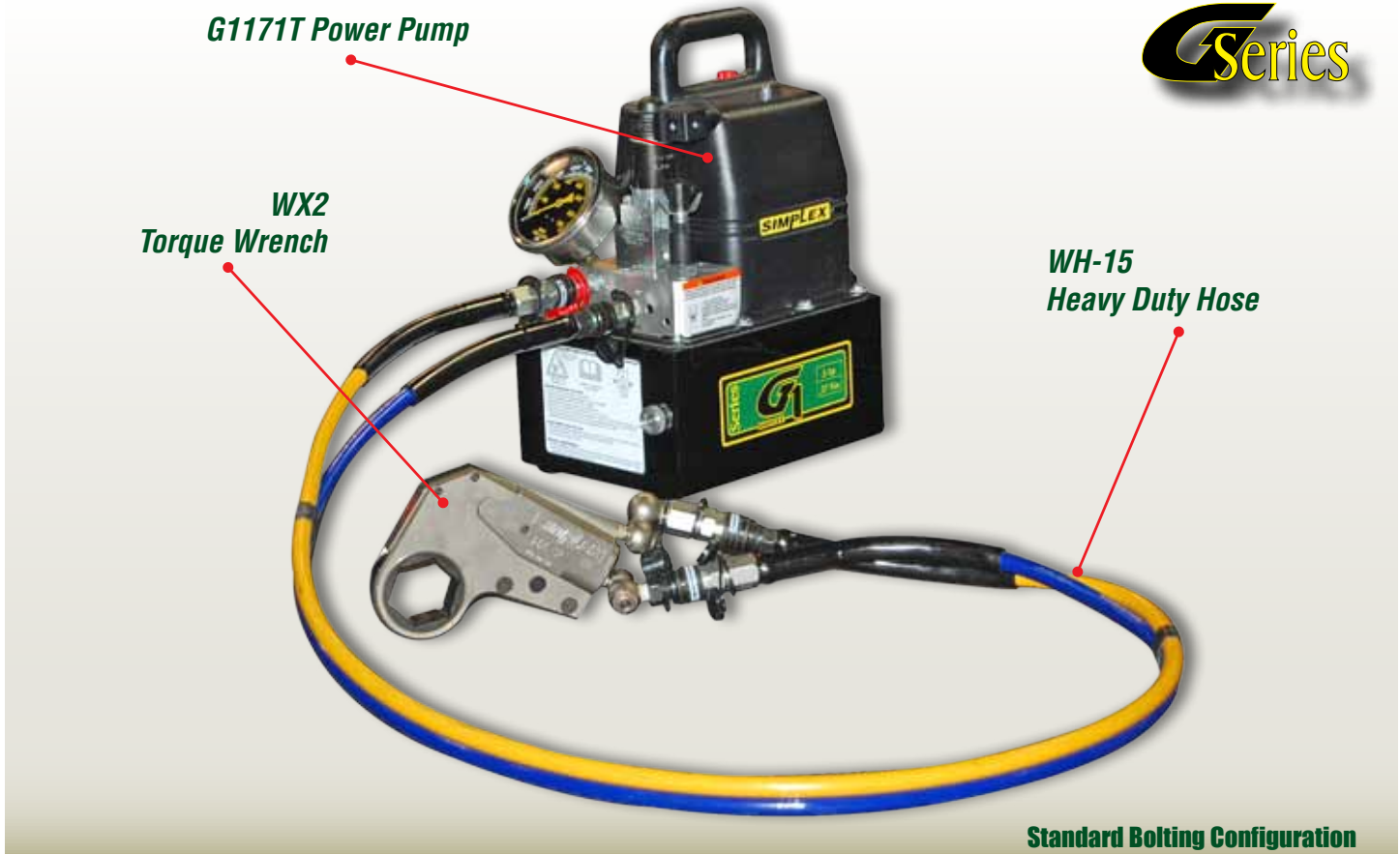


G Series

G1171T Power Pump

**WX2
Torque Wrench**

**WH-15
Heavy Duty Hose**



Standard Bolting Configuration

SIMPLEX BOLTING PRODUCTS OVERVIEW

✓ Bolting Features

Simplex offers a wide variety of hydraulic torque wrenches available in square drive design or low clearance wrenches. These tools are the most versatile in the business. Optional attachments and accessories are available to complement both style wrenches.

✓ WT-Series Square Drive Wrenches

The Simplex square drive wrench combines strength and simplicity to handle the toughest bolting jobs. Simplex square drive wrenches come with a push through drive in the 3/4", 1" and 1 1/2" models, eliminating pulling the drive out of a wrench to change drive direction. The WT-Series wrenches can react off the wrench body for close quarter applications. Several optional accessories are available.

✓ WX-Series Low Clearance Wrenches

Simplex Low Clearance wrenches are the flattest wrenches available, utilizing a patented low height piston. The Simplex WX series wrenches fit in places competitive wrenches cannot. The low clearance wrenches have a wide choice of links available in 1/16" increments. Metric sizes are also available. Several optional accessories are available such as hex reducers, hex to square drive adaptors and different reaction arms.

✓ Bolting Accessories

Simplex torque wrench pumps are available in both electric and air power. Simplex electric pumps are smooth running, continuous duty pumps with permanent magnet motors that will start and run under full load on as little as 60VAC. An integrated auto shut-off switch, along with a steel reservoir, keeps the oil and pump cool and helps prevent pump breakdown. Hoses are twin style with a 4:1 safety factor and the pump mounted gauge reads out in 100 psi increments.

BOLTING PRODUCTS

PROPER SIZE & SELECTION

G1 BOLTING PUMP

19 cu.in. / min. @ 10,000 psi



An intermittent 1/2 hp pump that is best suited to power small size torque wrenches. It's easy to transport and very lightweight.

Starting weight @ 36 lbs.

G5 BOLTING PUMP

55 cu.in. / min. @ 10,000 psi



A continuous duty 1 1/2 hp pump that is best suited for medium to large torque wrenches.

Starting weight @ 75 lbs.

G3 BOLTING PUMP

46 cu.in. / min. @ 10,000 psi



A continuous duty 1 1/8 hp pump that is best suited to power small to medium torque wrenches. Ideal for systems that require high performance, with lightweight portability.

Starting weight @ 57 lbs.

G5 BOLTING PUMP - AIR

55 cu.in. / min. @ 10,000 psi



A continuous duty air pump that is best suited for medium to large size torque wrenches. The high flow rate runs multiple tools efficiently.

Starting weight @ 75 lbs.

BOLTING WRENCHES

SQUARE DRIVE & LOW CLEARANCE WRENCHES



Simplex offers a wide variety of hydraulic wrenches available in lightweight square drive design or the flat low clearance wrenches. Optional attachments and accessories are available for both style wrenches to simplify your task.

HOSES & MANIFOLDS



A complete set of high performance and high pressure hose styles and sizes are available to fit any application, along with an 8 port manifold allowing the user the ability to use up to four tools at once.

PROPER SIZE & SELECTION

BOLTING PRODUCTS

SELECTING THE BOLTING SYSTEM



SELECTING THE PROPER PUMP

All SIMPLEX bolting pumps are configured specifically for bolting applications. Each “turnkey” power pump includes polarized couplers, external adjustable relief valve, pump mounted gauge and optional multiple port manifold for multiple tools. When selecting a power pump, consider the power requirements; air, 115 vac or 230 vac, 2nd stage hydraulic flow, pump operating / interval time, number of tools being operated and weight. Refer to the internal pages for details.



SELECTING THE PROPER HOSE

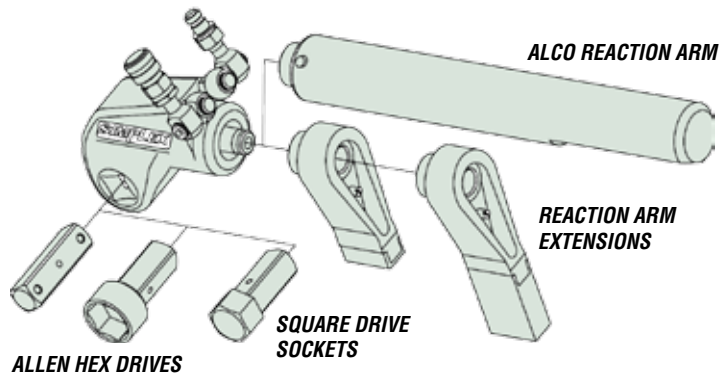
All of the SIMPLEX hoses are thermo-plastic, banded together, color coded are polarized for plug and play operation. Lengths are available in 15, 20 and 40 feet. Each bolting hose has a 4:1 safety factor that provides you with the flexibility to meet any project requirement.



SELECTING THE PROPER TOOL

A hydraulic torque wrench is a tool used to precisely set the hydraulic torque of a fastener such as a nut or bolt. Our hydraulic torque wrenches are available in a square drive and low profile design. These tools allow the operator to measure the torque (rotational force) applied to the bolt so it can be matched to the specifications by the means of a power pump. Consider the amount of torque, footprint requirements and retraction area when selecting your wrench.

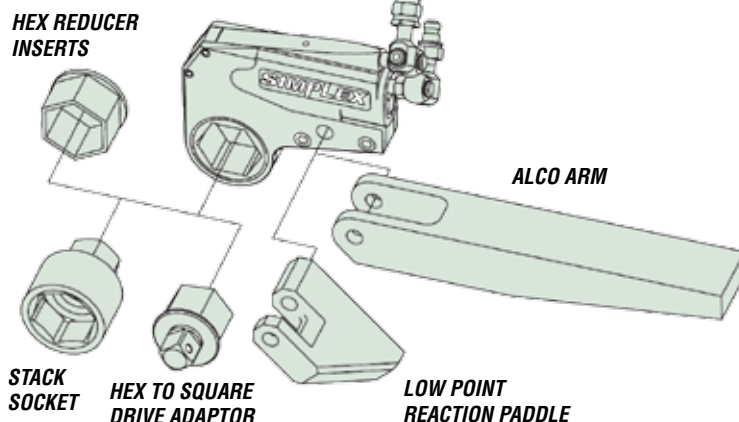
WT SERIES WRENCH



WT SERIES SQUARE DRIVE WRENCH

Simplex square drive wrenches come with a push through drive in the 3/4", 1" and 1 1/2" models, eliminating pulling the drive out of a wrench to change drive direction. The WT Series wrenches can react off the wrench body for close quarter applications. Several optional accessories such as Alco Reaction Arms, extensions and sockets are available for your specific needs.

WX SERIES WRENCH



WX SERIES LOW CLEARANCE WRENCH

Simplex low clearance wrenches fit in places that competitive style wrenches cannot. The low clearance wrenches have a wide choice of links available in 1/16" increments. Several optional accessories are available such as hex reducers, hex to square drive adaptors and different reaction arms.

BOLTING PUMPS

G1 Lightweight
Torque Pump



The Simplex G1 bolting pump along with a WX series low clearance torque wrench was used to tighten the footing of this support tower.



G1171T Shown

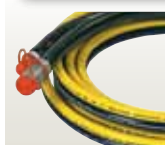
SIMPLEX ADVANTAGES

- ✓ Turnkey bolting pump configuration, ideal for use with small sized torque wrenches.
- ✓ Equipped with an integrated gauge, adjustable relief and 15' remote power controlled pendant.
- ✓ Powered by a 115V - 60Hz, .5 hp universal motor (14,640 rpm); low startup voltage, draws 10 amps at full load (230V model available).
- ✓ Two-speed pump operation provides fast tool performance; 19 cubic inches / minute @ 10,000 PSI.
- ✓ Precision machined valve design offers reliability in the most demanding applications.
- ✓ Reservoirs available in 1 gallon; steel.
- ✓ Compact, lightweight design, starting at 36 lbs.



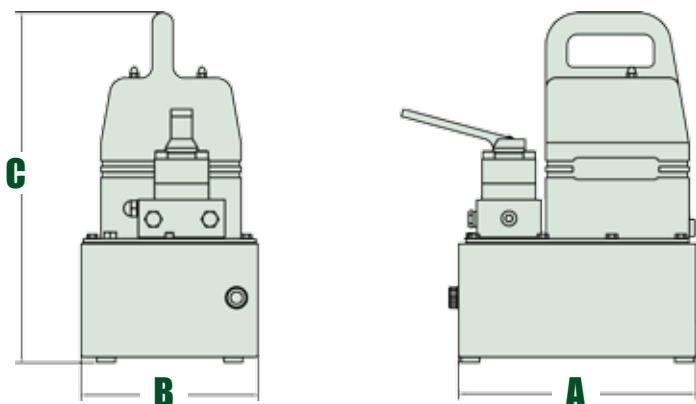
TORQUE WRENCHES

A wide variety of hydraulic torque wrenches available in lightweight, square drive, or low clearance wrenches. - Pg. 94-97



HOSES

Large selection of heavy duty, thermo-plastic torque wrench hoses to meet your requirements. - Pg. 95

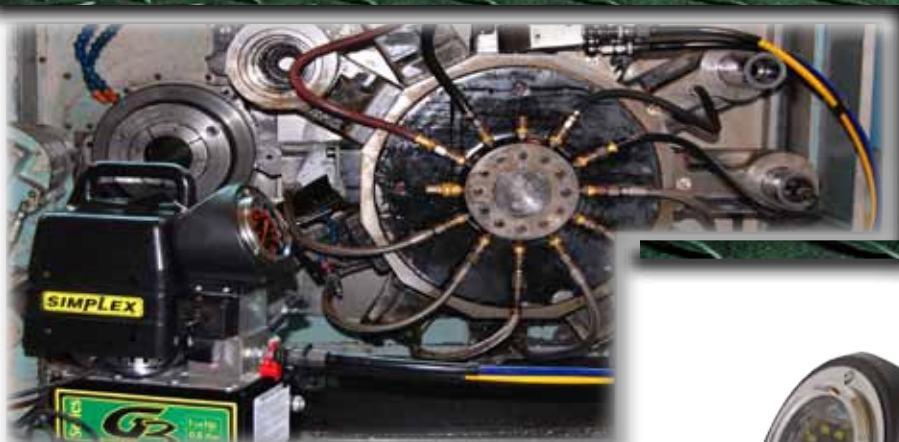


Usable Oil (Gallons)	A (in)	B (in)	C (in)
1 (metal)	11.00	8.17	16.17

* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 0,8 kw single phase, 10 amps @ 230 VAC.

Product Ordering & Specifications

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Reservoir Capacity	Weight (lbs)
	1st Stage	2nd Stage	1st Stage	2nd Stage	(vac)	(amps)				
G1171T	400	10,000	250	19	115	10	4W, 2P	Motor / Solenoid	1	36



BOLTING PUMPS

G3 Heavy Duty
Torque Pump



The ease of operation and mobility from the G3 bolting pump was needed to repair the massive chuck on this CNC machine.

SIMPLEX ADVANTAGES

- ✓ Turnkey bolting pump configuration, ideal for use with small to mid-sized torque wrenches.
- ✓ Powered by a 115V - 60Hz, 1-1/8 hp universal motor (21,000 rpm); low startup voltage, draws 16 amps at full load (230V models available).
- ✓ Equipped with an integrated gauge, adjustable relief and 15' remote power controlled pendant.
- ✓ High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation; 46 cubic inches / minute @ 10,000 PSI.
- ✓ Precision machined shear seal slider valve design offers reliability in the most demanding applications.
- ✓ Reservoirs available in 1 – 2.5 gallons; welded steel design.
- ✓ Compact, lightweight design, starting at 57 lbs.



G3171T Shown
See table for additional models

G3 TORQUE PUMP FACTORY INSTALLED OPTIONS
For ordering, add option letter to end of the model number.

Z



Z = Multi-Port Manifold

C

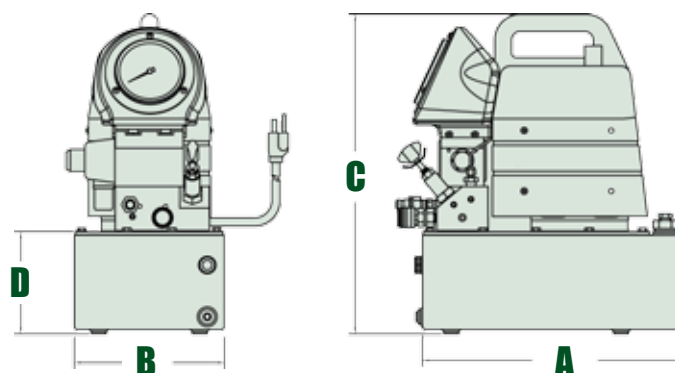


C = Caster Kit

R



R = Roll Cage



Usable Oil (Gallons)	A	B	C	D
	(in)	(in)	(in)	(in)
1.5	15.13	8.75	19	5.96
2.5	17	9.75	19	5.96

* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 0,8 kw single phase, 10 amps @ 230 VAC.

Product Ordering & Specifications

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Reservoir Capacity	Weight (lbs)
	1st Stage	2nd Stage	1st Stage	2nd Stage	(vac)	(amps)				
G3171T	1,100	10,000	700	46	115	16	4W, 2P	Motor / Solenoid	1	57
G3172T	1,100	10,000	700	46	115	16	4W, 2P	Motor / Solenoid	1.5	62
G3173T	1,100	10,000	700	46	115	16	4W, 2P	Motor / Solenoid	2.5	69

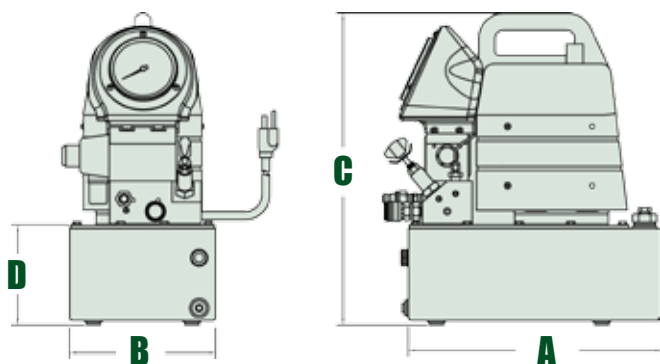
SIMPLEX

BOLTING PUMPS

G5 Heavy Duty
Torque Pump



G5172T Shown
See table for additional models



Usable Oil (Gallons)	A (in)	B (in)	C (in)	D (in)
1.5	15.13	8.75	19	5.96
2.5	17	9.75	19	5.96

Larger capacities available upon request.



The Simplex G5 torque pump had the flexibility and power to be instrumental in the construction of the blade section on this wind turbine.

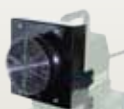
SIMPLEX ADVANTAGES

- ✓ Turnkey bolting pump configuration, ideal for use with mid to large sized torque wrenches.
- ✓ Powered by a 115V - 60Hz, 1-1/2 hp permanent magnet motor (3,000 rpm); low startup voltage, draws 18 amps at full load (230V models available).
- ✓ Equipped with an integrated gauge, adjustable relief and 15' remote power controlled pendant.
- ✓ High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation; 55 cubic inches / minute @ 10,000 PSI. Optional 3 stage for progressive force.
- ✓ Precision machined shear seal slider valve design offers reliability in the most demanding applications.
- ✓ Reservoirs available in 1.5 & 2.5 gallons; welded steel design.
- ✓ Best performance to weight ratio, starting at 75 lbs.

G5 FACTORY INSTALLED OPTIONS

For ordering, add option letter to end of the model number.

H



H = Heat Exchanger

Z



Z = Multi-Port Manifold

C



C = Caster Kit

R



R = Roll Cage

* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 0,8 kw single phase, 10 amps @ 230 VAC.

Product Ordering & Specifications

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Reservoir Capacity	Weight (lbs)
	1st Stage	2nd Stage	1st Stage	2nd Stage	(vac)	(amps)				
G5172T	1,100	10,000	700	55	115	18	4W, 2P	Motor / Solenoid	1.5	75
G5173T	1,100	10,000	700	55	115	18	4W, 2P	Motor / Solenoid	2.5	85



BOLTING PUMPS

**G5 Heavy Duty
Air Torque Pump**



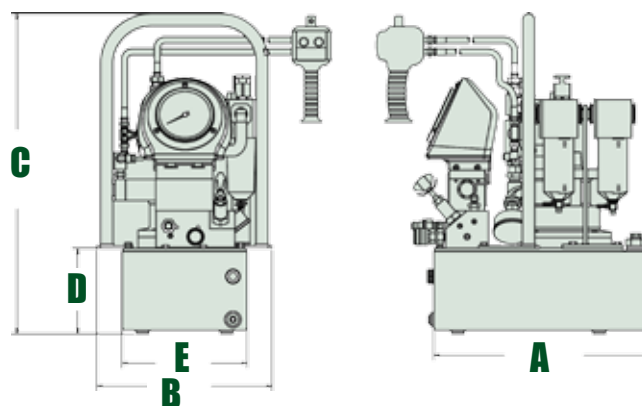
A Simplex G5 Air Torque pump is used with a WT-2 to remove the shroud on this steel cutter.

SIMPLEX ADVANTAGES

- ✓ Turnkey bolting pump configuration, ideal for use with mid to large sized torque wrenches.
- ✓ Powered by a rotary air vane, 3 hp motor (3,000 rpm).
- ✓ Equipped with a filter-lubricator assembly, air muffler, carrying handlebar, adjustable relief and 12' remote controlled pendant on all models.
- ✓ High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation; 55 cubic inches / minute @ 10,000 PSI. Optional 3 stage for progressive force.
- ✓ Precision machined shear seal slider valve design offers reliability in the most demanding applications.
- ✓ Reservoirs available in 1.5 & 2.5 gallons; welded steel design.
- ✓ High-performance, compact design, starting at 75 lbs.



G5772T Shown
See table for additional models



G5 TORQUE AIR FACTORY INSTALLED OPTIONS

For ordering, add option letter to end of the model number.

Z



Z = Multi-Port Manifold

C



C = Caster Kit

R



R = Roll Cage

Usable Oil (Gallons)	A	B	C	D	E
	(in)	(in)	(in)	(in)	(in)
1.5	15.13	8.75	22.34	5.96	12.24
2.5	17	9.75	22.34	5.96	13.24

Larger capacities available upon request.

Product Ordering & Specifications

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Reservoir Capacity	Weight (lbs)
	1st Stage	2nd Stage	1st Stage	2nd Stage	(psi)	(cfm)				
G5772T	1,100	10,000	700	55	90	50	4W, 2P	Motor / Solenoid	1.5	75
G5773T	1,100	10,000	700	55	90	50	4W, 2P	Motor / Solenoid	2.5	85



BOLTING PUMPS

G5 Auto-Cycle
Torque Pump



G5173A Shown
See table for additional models

Pendant Features:

- Large LCD Display.
- Raised Rubberized Keypad.
- Tough ABS Enclosure.

Lightweight Auto-Cycle Pendant



Control Menu Options:

- Manual Mode provides the user the ability to manually cycle the tool.
- Auto-Cycle Mode continuously cycles tool until selected torque has been achieved.
- Output measurements are displayed in Imperial or Metric units.
- Full diagnostic capabilities keeps the user informed on system operations.



With hundreds of fasteners needed to be torqued within the time constraint of our outage, the Simplex Auto-cycle pump was our only choice. "It provides the fastest, most reliable power available for bolting applications".

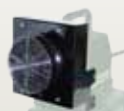
SIMPLEX ADVANTAGES

- ✓ Turnkey bolting pump configuration, ideal for use with mid to large sized torque wrenches.
- ✓ Powered by a 115V - 60Hz, 1-1/2 hp permanent magnet motor (3,000 rpm); low startup voltage, draws 18 amps at full load (230V models available).
- ✓ Equipped with an integrated hand-held digital LCD pendant, adjustable relief and 15' remote power controlled pendant.
- ✓ High performance three-stage pump provides higher cross-over pressure for faster cycle times throughout the pressure range; 55 cubic inches / minute @ 10,000 PSI.
- ✓ Precision machined shear seal slider valve design offers reliability in the most demanding applications.
- ✓ Reservoirs available in 1.5 – 2.5 gallons; welded steel design.
- ✓ Progressive force, high-performance pump, starting at 71 lbs.

G5 AUTO-CYCLE FACTORY INSTALLED OPTIONS

For ordering, add option letter to end of the model number.

H



H = Heat Exchanger

Z



Z = Multi-Port Manifold

C



C = Caster Kit

R



R = Roll Cage

* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 0,8 kw single phase, 10 amps @ 230 VAC.

Product Ordering & Specifications

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Reservoir Capacity	Weight (lbs)
	1st Stage	2nd Stage	1st Stage	2nd Stage	(vac)	(amps)				
G5172A	1,100	10,000	700	55	115	18	4W, 2P	Motor / Solenoid	1.5	71
G5173A	1,100	10,000	700	55	115	18	4W, 2P	Motor / Solenoid	2.5	81

BOLTING PUMPS

Torque Intensifier



The PIT4 torque wrench intensifier was used by a rail repair crew to loosen the joint brackets on segmented rail.

SIMPLEX ADVANTAGES

- ✓ Converts on board mobile hydraulic systems into high pressure (10,000 psi) power source.
- ✓ Ideal for utilities, railroads, construction, riggers and aerial buckets.
- ✓ Compact and easy to carry.
- ✓ No reservoir oil level to maintain; uses low pressure system as oil supply.
- ✓ Integrated pressure gauge.
- ✓ 1/4" NPTF ports with quick disconnect couplers.



TORQUE WRENCHES

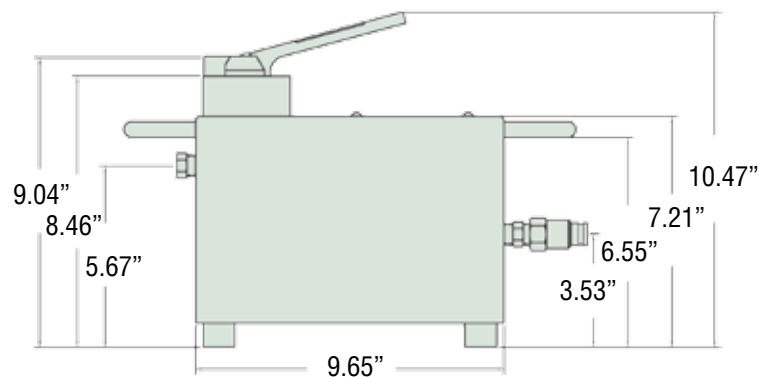
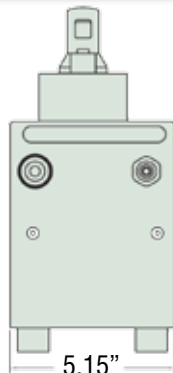
Simplex offers a wide variety of hydraulic torque wrenches available in lightweight square drive design or flat low clearance. - Pgs. 94-97



Please refer to pages 4 & 5 for a complete list of safety tips and recommendations to ensure that your Simplex equipment will perform to its full potential.



PIT4 Shown



Product Ordering & Specifications

Model	Valve		Input Flow Range (GPM)	Input Pres. (PSI)	Output Pres. Max. (PSI)	Output Flow Range (GPM)	Output Flow Ratio	Output Pres. Ratio	Weight (lbs)
	Type	Function							
PIT4	4 Way/3 Position	Advance/Hold/Retract	5 - 10	300-2,000	10,000	2	1:5	5:1	30

SIMPLEX

TORQUE WRENCHES

Square Drive

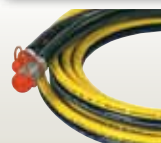
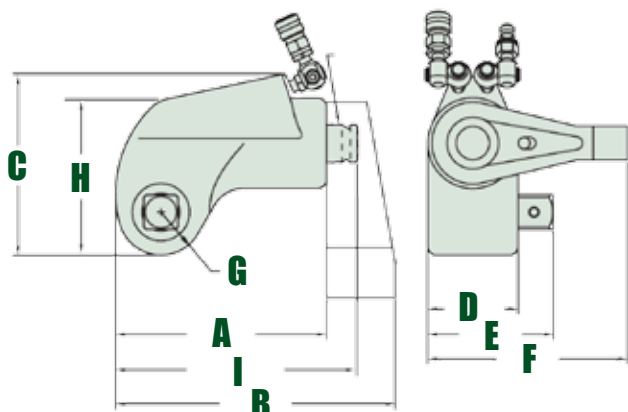


Lightweight, easy to use and reliable - This Simplex WT-5 torque wrench is used to certify flange assemblies every day in this fabricating shop.



SIMPLEX ADVANTAGES

- ✓ *Hardened alloy square drive provides long life.*
- ✓ *No reaction pawl eliminates tool lockup.*
- ✓ *27 degree stroke for high performance & speed.*
- ✓ *Light weight, high torque ratio.*
- ✓ *Push through square drive switches from tighten to loosen instantly.*
- ✓ *Accurate to within + / - 3%.*
- ✓ *Slim nose radius for tight spaces.*
- ✓ *No leak couplers that swivel on double axis for ease of operation.*
- ✓ *Anti-Backlash mechanism prevents tool from back-driving.*



HOSES

Large selection of heavy duty, thermo-plastic torque wrench hoses to meet your requirements.

- Pg. 95

Advisory



Please refer to pages 4 & 5 for a complete list of safety tips and recommendations to ensure that your Simplex equipment will perform to its full potential.

Product Ordering & Dimensional Specifications

Model	A	B	C	D	E	F	G	H	I	Wgt. (lbs.)	Output (ft./lbs.)	Square Drive (in)	Available Socket Size (in)	Available Socket Size (mm)
	Length (in)	Length (in)	Height (in)	Width (in)	Width (in)	Width (in)	Radius (in)	Height (in)	Length (in)					
WT-2	4.68	6.10	4.20	2.00	2.76	4.42	0.98	3.42	5.32	3.90	1,270	3/4	1/2 - 2 3/8	13 - 60
WT-3	6.10	8.10	5.30	2.62	3.68	5.81	1.30	4.54	6.68	9.00	3,330	1	3/4 - 4 1/2	19 - 114
WT-5	8.00	10.74	6.99	3.61	5.06	7.98	1.70	6.05	9.48	19.00	7,170	1 1/2	1 5/16 - 5 3/8	33 - 137
WT-10	9.21	12.21	7.79	3.93	5.43	8.72	1.95	6.70	10.36	29.00	11,010	1 1/2	1 5/16 - 5 3/8	33 - 137
WT-27	12.29	16.29	10.19	5.26	7.73	11.63	2.43	8.82	13.87	70.00	27,200	2 1/2	1 5/8 - 9 1/4	41 - 235





TORQUE WRENCHES

Square Drive Accessories

SOCKETS FOR 3/4", 1" AND 1 1/2" DRIVE WRENCHES

Model Number for 3/4" Drive WT-2	Socket Size (in)	Model Number for 1" Drive WT-3	Socket Size (in)	Model Number for 1" Drive WT-3	Socket Size (in)	Model Number for 1" Drive WT-3	Socket Size (in)	Model Number for 1 1/2" Drive WT-5 & 10	Socket Size (in)	Model Number for 1 1/2" Drive WT-5 & 10	Socket Size (in)
WST1212	3/4 x 3/4	WST1612	1 x 3/4	WST1633	1 x 2 1/16	WST1654	1 x 3 3/8	WST2422	1 1/2 x 1 3/8	WST2443	1 1/2 x 2 11/16
WST1213	3/4 x 13/16	WST1613	1 x 13/16	WST1634	1 x 2 1/8	WST1655	1 x 3 7/16	WST2423	1 1/2 x 1 7/16	WST2444	1 1/2 x 2 3/4
WST1214	3/4 x 7/8	WST1614	1 x 7/8	WST1635	1 x 2 3/16	WST1656	1 x 3 1/2	WST2424	1 1/2 x 1 1/2	WST2445	1 1/2 x 2 13/16
WST1215	3/4 x 15/16	WST1615	1 x 15/16	WST1636	1 x 2 1/4	WST1657	1 x 3 9/16	WST2425	1 1/2 x 1 9/16	WST2446	1 1/2 x 2 7/8
WST1216	3/4 x 1	WST1616	1 x 1	WST1637	1 x 2 5/16	WST1658	1 x 3 5/8	WST2426	1 1/2 x 1 5/8	WST2447	1 1/2 x 2 15/16
WST1217	3/4 x 1 1/16	WST1617	1 x 1 1/16	WST1638	1 x 2 3/8	WST1659	1 x 3 11/16	WST2427	1 1/2 x 1 11/16	WST2448	1 1/2 x 3
WST1218	3/4 x 1 1/8	WST1618	1 x 1 1/8	WST1639	1 x 2 7/16	WST1660	1 x 3 3/4	WST2428	1 1/2 x 1 3/4	WST2449	1 1/2 x 3 1/16
WST1219	3/4 x 1 3/16	WST1619	1 x 1 3/16	WST1640	1 x 2 1/2	WST1661	1 x 3 13/16	WST2429	1 1/2 x 1 13/16	WST2450	1 1/2 x 3 1/8
WST1220	3/4 x 1 1/4	WST1620	1 x 1 1/4	WST1641	1 x 2 9/16	WST1662	1 x 3 7/8	WST2430	1 1/2 x 1 7/8	WST2451	1 1/2 x 3 3/16
WST1221	3/4 x 1 5/16	WST1621	1 x 1 5/16	WST1642	1 x 2 5/8	----	----	WST2431	1 1/2 x 1 15/16	WST2452	1 1/2 x 3 1/4
WST1222	3/4 x 1 3/8	WST1622	1 x 1 3/8	WST1643	1 x 2 11/16	----	----	WST2432	1 1/2 x 2	WST2453	1 1/2 x 3 5/16
WST1223	3/4 x 1 7/16	WST1623	1 x 1 7/16	WST1644	1 x 2 3/4	----	----	WST2433	1 1/2 x 2 1/16	WST2454	1 1/2 x 3 3/8
WST1224	3/4 x 1 1/2	WST1624	1 x 1 1/2	WST1645	1 x 2 13/16	----	----	WST2434	1 1/2 x 2 1/8	WST2455	1 1/2 x 3 7/16
WST1225	3/4 x 1 9/16	WST1625	1 x 1 9/16	WST1646	1 x 2 7/8	----	----	WST2435	1 1/2 x 2 3/16	WST2456	1 1/2 x 3 1/2
WST1226	3/4 x 1 5/8	WST1626	1 x 1 5/8	WST1647	1 x 2 15/16	----	----	WST2436	1 1/2 x 2 1/4	WST2457	1 1/2 x 3 9/16
WST1227	3/4 x 1 11/16	WST1627	1 x 1 11/16	WST1648	1 x 3	----	----	WST2437	1 1/2 x 2 5/16	WST2458	1 1/2 x 3 5/8
WST1228	3/4 x 1 3/4	WST1628	1 x 1 3/4	WST1649	1 x 3 1/16	----	----	WST2438	1 1/2 x 2 3/8	WST2459	1 1/2 x 3 11/16
WST1229	3/4 x 1 13/16	WST1629	1 x 1 13/16	WST1650	1 x 3 1/8	----	----	WST2439	1 1/2 x 2 7/16	WST2460	1 1/2 x 3 3/4
WST1230	3/4 x 1 7/8	WST1630	1 x 1 7/8	WST1651	1 x 3 3/16	----	----	WST2440	1 1/2 x 2 1/2	----	----
WST1231	3/4 x 1 15/16	WST1631	1 x 1 15/16	WST1652	1 x 3 1/4	----	----	WST2441	1 1/2 x 2 9/16	----	----
WST1232	3/4 x 2	WST1632	1 x 2	WST1653	1 x 3 5/16	----	----	WST2442	1 1/2 x 2 5/8	----	----

ALLEN HEX DRIVE FOR WT SERIES WRENCHES

Model	Wrench Model	Allen Hex Size (in)	Maximum Torque (ft./lbs)
WA-1208	WT-2	1/2	395
WA-1210	WT-2	5/8	740
WA-1212	WT-2	3/4	1,270
WA-1214	WT-2	7/8	1,270
WA-1216	WT-2	1	1,270
WA-1610	WT-3	5/8	740
WA-1612	WT-3	3/4	1,330
WA-1614	WT-3	7/8	2,070
WA-1616	WT-3	1	3,100
WA-1618	WT-3	1 1/8	3,330
WA-1620	WT-3	1 1/4	3,330
WA-2414	WT-5	7/8	2,070
WA-2416	WT-5	1	3,100
WA-2418	WT-5	1 1/8	4,355
WA-2420	WT-5	1 1/4	6,275
WA-2422	WT-5	1 3/8	7,170
WA-2424	WT-5	1 1/2	7,170
WA-2420-10	WT-10	1 1/4	6,275
WA-2422-10	WT-10	1 3/8	7,750
WA-2424-10	WT-10	1 1/2	10,500
WA-2426-10	WT-10	1 5/8	10,500
WA-2428-10	WT-10	1 3/4	10,500
WA-4024	WT-27	1 1/2	10,500
WA-4026	WT-27	1 5/8	13,280
WA-4028	WT-27	1 3/4	16,230
WA-4030	WT-27	1 7/8	27,200
WA-4032	WT-27	2	27,200
WA-4036	WT-27	2 1/4	27,200

ALCO REACTION ARMS



Model	Length (in)
WT2-ALCO	18.00
WT3-ALCO	22.25
WT5-ALCO	21.00
WT10-ALCO	23.50
WT27-ALCO	----

REACTION ARM EXTENSIONS



Model	Length (in)
WT3-EX1	1
WT3-EX2	2
WT3-EX3	3
WT5-EX1	1
WT5-EX2	2
WT5-EX3	3
WT10-EX1	1
WT10-EX2	2
WT10-EX3	3

TORQUE WRENCH HOSES



Model	Length (ft)	Hose Type
WH-15	15	15' Blue & Yellow Duplex Hose w/ Quick Disconnect Couplers
WH-20	20	20' Blue & Yellow Duplex Hose w/ Quick Disconnect Couplers
WH-40	40	40' Blue & Yellow Duplex Hose w/ Quick Disconnect Couplers

TORQUE WRENCHES

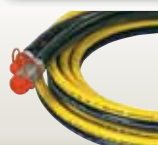
Low Clearance Wrenches



The WX-4 in-line reaction coupled with an ALCO arm was the perfect solution for this bolting application.

SIMPLEX ADVANTAGES

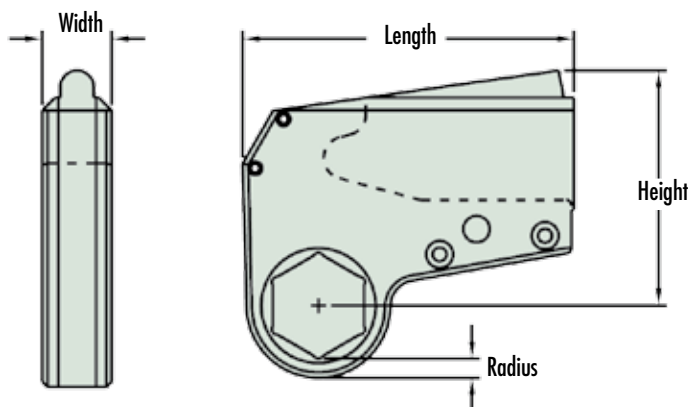
- ✓ Patented piston design for lower profile.
- ✓ Quick and easy interchangeable links requiring no tools.
- ✓ Light weight, high torque ratio.
- ✓ Slim nose radius for easy positioning in close quarters.
- ✓ Accurate to within + / - 3%.
- ✓ Slim nose radius for tight spaces.
- ✓ Plated wrenches resist corrosion.
- ✓ Custom wrenches available upon request.



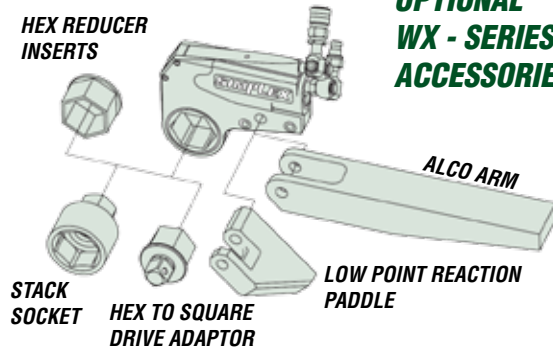
HOSES

Large selection of heavy duty, thermo-plastic torque wrench hoses to meet your requirements.

- Pg. 95



HEX REDUCER INSERTS



OPTIONAL WX - SERIES ACCESSORIES

LOW CLEARANCE DRIVE UNITS

*Weight on Links will vary by size.

Product Ordering & Dimensional Specifications						
Model	Length (in.)	Height (in.)	Radius (in.)	Max. Tool Width (in.)	Output (ft./lbs.)	Weight (lbs.)
WX-2	5.67	4.00	0.36	1.25	1,930	3.5
WX-4	7.80	5.60	0.46	1.63	3,950	6
WX-8	9.80	7.00	0.54	2.05	8,630	11.7
WX-16	12.93	7.58	0.65	2.50	16,600	16
WX-32	15.30	10.90	0.93	3.24	35,600	26

Available Link Sizes (in./mm)		*Weight (lbs.)
From	To	
3/4" / 19mm	2 9/16" / 65mm	2.5-3.5
1" / 25mm	3 1/8" / 80mm	5.4-7.6
1 7/8" / 50mm	4" / 105mm	11.9-14.5
2 5/8" / 65mm	4 5/8" / 115mm	21-28
3 1/8" / 80mm	6 1/8" / 155mm	29-39.5

WX DRIVE UNIT



Select a WX drive unit that will give you the amount of torque you are looking for.

TORQUE WRENCHES

Low Clearance Wrenches

WXL HEX LINK



Couple your WX drive unit with the WXL hex link that you will need. See chart below for specific WXL link.

WRENCH HANDLE



Optional Wrench Handle - Order # WCH-1
Handles are available for the WX-8, WX-16 & WX-32. The handle can be screwed on either side of the wrench or on top of the wrench.

Accessories are available in imperial and metric sizes.

Product Ordering & Dimensional Specifications

Model Number For WX-2 Links	Hex Size (in)	Model Number For WX-4 Links	Hex Size (in)	Model Number For WX-4 Links	Hex Size (in)	Model Number For WX-8 Links	Hex Size (in)	Model Number For WX-8 Links	Hex Size (in)	Model Number For WX-16 Links	Hex Size (in)	Model Number For WX-32 Links	Hex Size (in)	Model Number For WX-32 Links	Hex Size (in)
WXL2-12	3/4	WXL4-16	1	WXL4-43	2 11/16	WXL8-30	1 7/8	WXL8-57	3 9/16	WXL16-42	2 5/8	WXL32-50	3 1/8	WXL32-87	5 7/16
WXL2-13	13/16	WXL4-17	1 1/16	WXL4-44	2 3/4	WXL8-31	1 15/16	WXL8-58	3 5/8	WXL16-43	2 11/16	WXL32-51	3 3/16	WXL32-88	5 1/2
WXL2-14	7/8	WXL4-18	1 1/8	WXL4-45	2 13/16	WXL8-32	2	WXL8-59	3 11/16	WXL16-44	2 3/4	WXL32-52	3 1/4	WXL32-89	5 9/16
WXL2-15	15/16	WXL4-19	1 3/16	WXL4-46	2 7/8	WXL8-33	2 1/16	WXL8-60	3 3/4	WXL16-45	2 13/16	WXL32-53	3 5/16	WXL32-90	5 5/8
WXL2-16	1	WXL4-20	1 1/4	WXL4-47	2 15/16	WXL8-34	2 1/8	WXL8-61	3 13/16	WXL16-46	2 7/8	WXL32-54	3 3/8	WXL32-91	5 11/16
WXL2-17	1 1/16	WXL4-21	1 5/16	WXL4-48	3	WXL8-35	2 3/16	WXL8-62	3 7/8	WXL16-47	2 15/16	WXL32-55	3 7/16	WXL32-92	5 3/4
WXL2-18	1 1/8	WXL4-22	1 3/8	WXL4-49	3 1/16	WXL8-36	2 1/4	WXL8-63	3 15/16	WXL16-48	3	WXL32-56	3 1/2	WXL32-93	5 13/16
WXL2-19	1 3/16	WXL4-23	1 7/16	WXL4-50	3 1/8	WXL8-37	2 5/16	WXL8-64	4	WXL16-49	3 1/16	WXL32-57	3 9/16	WXL32-94	5 7/8
WXL2-20	1 1/4	WXL4-24	1 1/2	----	----	WXL8-38	2 3/8	----	----	WXL16-50	3 1/8	WXL32-58	3 5/8	WXL32-95	5 15/16
WXL2-21	1 5/16	WXL4-25	1 9/16	----	----	WXL8-39	2 7/16	----	----	WXL16-51	3 3/16	WXL32-59	3 11/16	WXL32-96	6
WXL2-22	1 3/8	WXL4-26	1 5/8	----	----	WXL8-40	2 1/2	----	----	WXL16-52	3 1/4	WXL32-60	3 3/4	WXL32-97	6 1/16
WXL2-23	1 7/16	WXL4-27	1 11/16	----	----	WXL8-41	2 9/16	----	----	WXL16-53	3 5/16	WXL32-61	3 13/16	WXL32-98	6 1/8
WXL2-24	1 1/2	WXL4-28	1 3/4	----	----	WXL8-42	2 5/8	----	----	WXL16-54	3 3/8	WXL32-62	3 7/8	----	----
WXL2-25	1 9/16	WXL4-29	1 13/16	----	----	WXL8-43	2 11/16	----	----	WXL16-55	3 7/16	WXL32-63	3 15/16	----	----
WXL2-26	1 5/8	WXL4-30	1 7/8	----	----	WXL8-44	2 3/4	----	----	WXL16-56	3 1/2	WXL32-64	4	----	----
WXL2-27	1 11/16	WXL4-31	1 15/16	----	----	WXL8-45	2 13/16	----	----	WXL16-58	3 5/8	WXL32-65	4 1/16	----	----
WXL2-28	1 3/4	WXL4-32	2	----	----	WXL8-46	2 7/8	----	----	WXL16-60	3 3/4	WXL32-66	4 1/8	----	----
WXL2-29	1 13/16	WXL4-33	2 1/16	----	----	WXL8-47	2 15/16	----	----	WXL16-62	3 7/8	WXL32-68	4 1/4	----	----
WXL2-30	1 7/8	WXL4-34	2 1/8	----	----	WXL8-48	3	----	----	WXL16-64	4	WXL32-70	4 3/8	----	----
WXL2-31	1 15/16	WXL4-35	2 3/16	----	----	WXL8-49	3 1/16	----	----	WXL16-66	4 1/8	WXL32-72	4 1/2	----	----
WXL2-32	2	WXL4-36	2 1/4	----	----	WXL8-50	3 1/8	----	----	WXL16-68	4 1/4	WXL32-74	4 5/8	----	----
WXL2-33	2 1/16	WXL4-37	2 5/16	----	----	WXL8-51	3 3/16	----	----	WXL16-70	4 3/8	WXL32-76	4 3/4	----	----
WXL2-34	2 1/8	WXL4-38	2 3/8	----	----	WXL8-52	3 1/4	----	----	WXL16-72	4 1/2	WXL32-78	4 7/8	----	----
WXL2-35	2 3/16	WXL4-39	2 7/16	----	----	WXL8-53	3 5/16	----	----	WXL16-74	4 5/8	WXL32-80	5	----	----
WXL2-36	2 1/4	WXL4-40	2 1/2	----	----	WXL8-54	3 3/8	----	----	----	----	WXL32-82	5 1/8	----	----
WXL2-37	2 5/16	WXL4-41	2 9/16	----	----	WXL8-55	3 7/16	----	----	----	----	WXL32-84	5 1/4	----	----
WXL2-38	2 3/8	WXL4-42	2 5/8	----	----	WXL8-56	3 1/2	----	----	----	----	WXL32-86	5 3/8	----	----