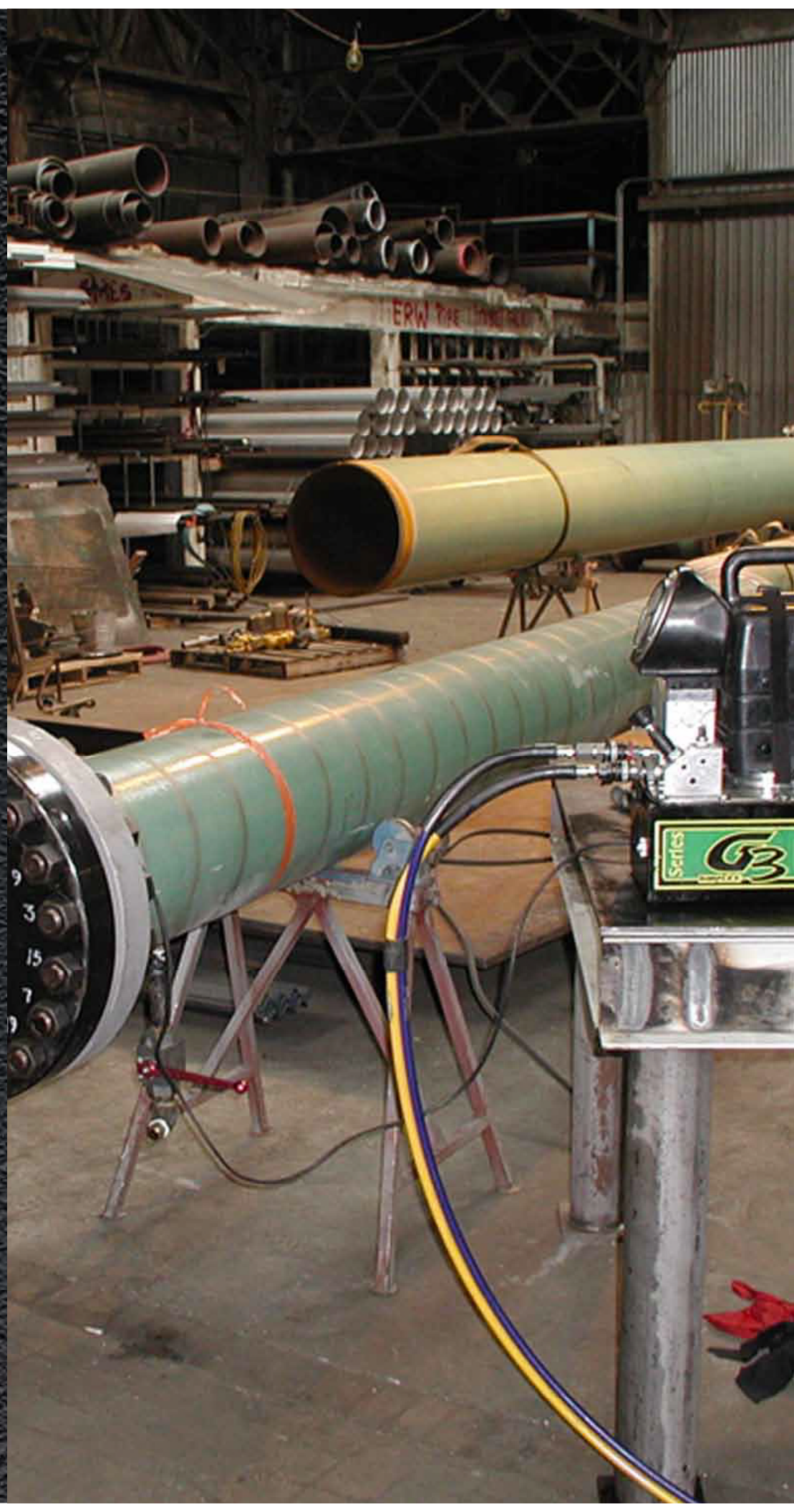
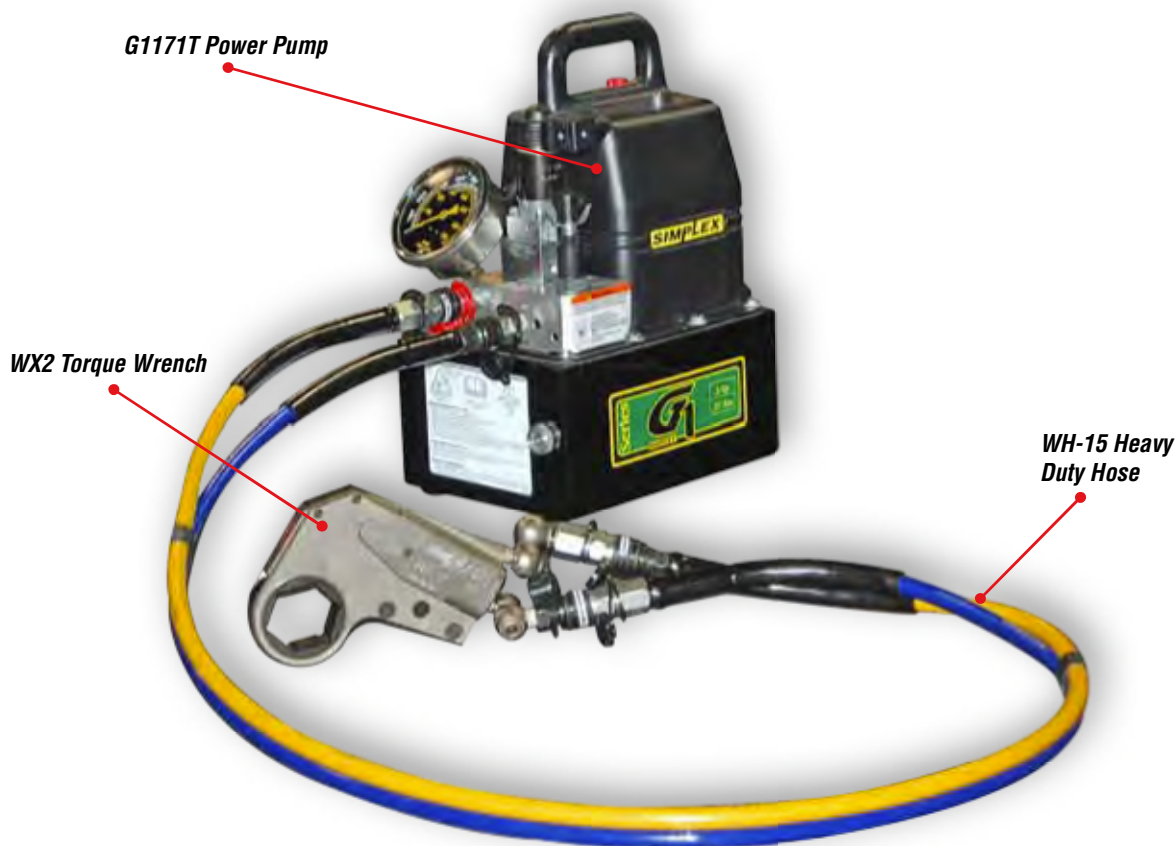


BOLTING PRODUCTS





Standard Bolting Model Shown

PRODUCT LINE 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 .75", 1" and 1.5" 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 .06" 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

SIMPLEX

G1 Bolting Pump

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



An intermittent .5 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 1.5 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 1.13 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 design. Optional attachments and accessories are available for both style wrenches to simplify your task.

Hoses & Manifolds



A complete set of high performance, 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.

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 multi-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.



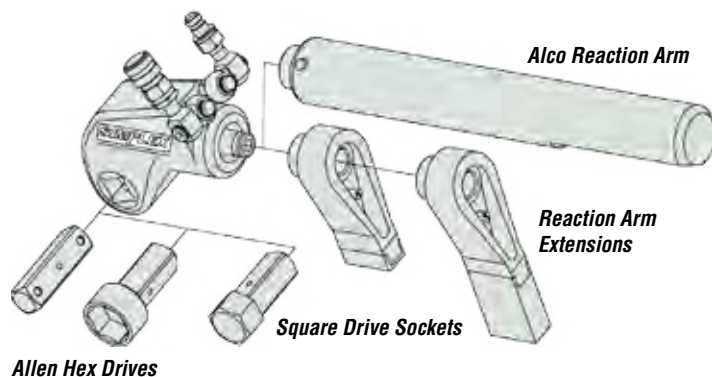
Selecting The Proper Hose

All SIMPLEX hoses are thermo-plastic, banded together, color coded and 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.



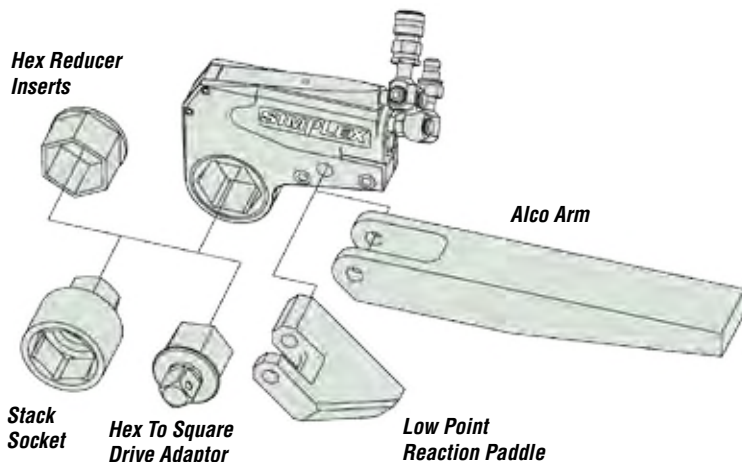
Selecting The Proper Tool

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. Consider the amount of torque, footprint requirements and reaction area when selecting your wrench.



WT Series Square Drive Wrench

Simplex square drive wrenches come with a push through drive in the .75", 1" and 1.5" 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 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 .06" increments. Several optional accessories are available such as hex reducers, hex to square drive adaptors and different reaction arms.

BOLTING PUMPS

G1 Series - Electric

SIMPLEX



G1171T Shown

Reservoir Capacity► 1 gallon
Weight► 36 lbs.
Maximum Pressure► 10,000 psi

- Light weight bolting pump 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.

TORQUE WRENCHES - pages 88 - 91

Torque wrenches available in lightweight square drive, or low clearance wrenches.



THINK SAFETY

Please refer to pages 4&5 for a complete list of safety tips and recommendations.

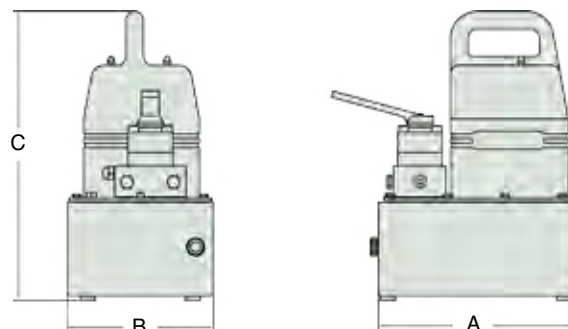


TORQUE HOSES - page 89

Heavy duty, thermo-plastic torque wrench hoses to meet your requirements.



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



Reservoir (Gallons)	A	B	C
	(in)	(in)	(in)
1 (metal)	11	8.17	16.17

* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 0,37 kw single phase, 5 amps @ 230 VAC.

Model	Pressure Rating (psi)		Output Flow (cu.in./min.)		Motor Spec.		Valve Type	Pendant Control	Usable Oil (Gallon)	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



G3171T Shown

Reservoir Capacity ► 1 - 2.5 gallons

Weight ► 57 - 69 lbs.

Maximum Pressure ► 10,000 psi

- Heavy Duty bolting pump is ideal for use with small to mid-sized torque wrenches.
- High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation; 46 cubic inches / minute @ 10,000 PSI.
- Powered by a 115V - 60Hz, 1-1/8 hp universal motor.



TORQUE HOSES - page 89

Heavy duty, thermo-plastic torque wrench hoses to meet your requirements.



TORQUE WRENCHES - pages 88 - 91

Torque wrenches available in lightweight square drive, or low clearance wrenches.

G3 Bolting Pump Factory Installed Options

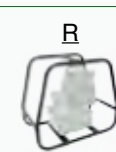
For ordering, add option letter to end of the model number.



Multi-Port
Manifold

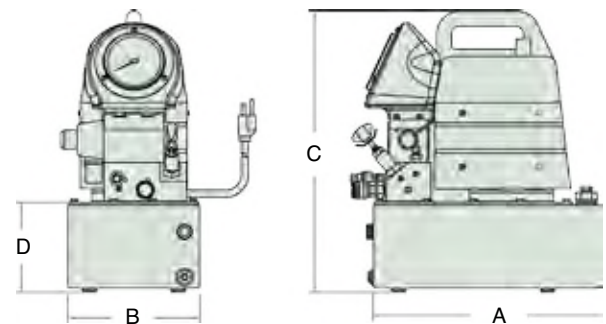


Caster Kit



Roll Cage

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



Reservoir (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.

Model	Pressure Rating (psi) Stages		Output Flow (cu.in./min.) Stages		Motor Spec.		Valve Type	Pendant Control	Usable Oil (Gallons)	Weight (lbs)
	1st	2nd	1st	2nd	(vac)	(amps)				
G3171T	1,100	10,000	525	46	115	16	4W, 2P	Motor / Solenoid	1	57
G3172T	1,100	10,000	525	46	115	16	4W, 2P	Motor / Solenoid	1.5	62
G3173T	1,100	10,000	525	46	115	16	4W, 2P	Motor / Solenoid	2.5	69

BOLTING PUMPS

G5 Series - Electric

SIMPLEX



G5172T Shown

Reservoir Capacity► 1.5 - 2.5 gallons

Weight► 75 - 85 lbs.

Maximum Pressure► 10,000 psi

- Heavy Duty bolting pump configuration is 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).
- High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation.

TORQUE WRENCHES - pages 88 - 91

Torque wrenches available in lightweight square drive, or low clearance wrenches.

THINK SAFETY

Please refer to pages 4&5 for a complete list of safety tips and recommendations.

G5 Bolting Pump Factory Installed Options

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



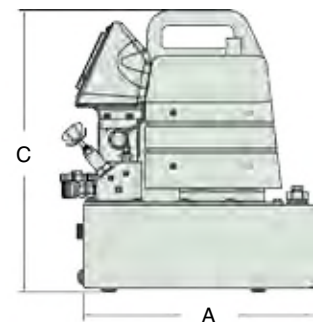
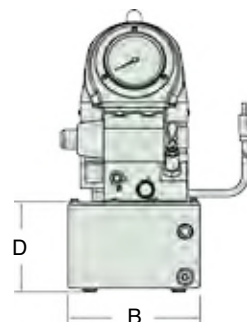
Multi-Port Manifold



Caster Kit



Heat Exchanger



Reservoir (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

Larger capacities available upon request.

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



* For 230 VAC pump use "2" in the 3rd character of the model number. Motor specifications 1,1 kw single phase, 10 amps @ 230 VAC.

Model	Pressure Rating (psi) Stages		Output Flow (cu.in./min.) Stages		Motor Spec.		Valve Type	Pendant Control	Usable Oil (Gallons)	Weight (lbs)
	1st	2nd	1st	2nd	(vac)	(amps)				
G5172T	1,200	10,000	500	55	115	18	4W, 2P	Motor / Solenoid	1.5	75
G5173T	1,200	10,000	500	55	115	18	4W, 2P	Motor / Solenoid	2.5	85



G5772T Shown

Reservoir Capacity ► **1.5 - 2.5 gallons**

Weight ► **75 - 85 lbs.**

Maximum Pressure ► **10,000 psi**

- Powered by a rotary air vane, 3 hp motor (3,000 rpm).
- Equipped with a filter-lubricator assembly, air muffler, 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.



TORQUE HOSES - page 89

Heavy duty, thermo-plastic torque wrench hoses to meet your requirements.



TORQUE WRENCHES - pages 88 - 91

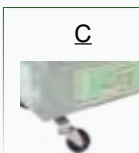
Torque wrenches available in lightweight square drive, or low clearance wrenches.

G5 Air Bolting Pump Factory Installed Options

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



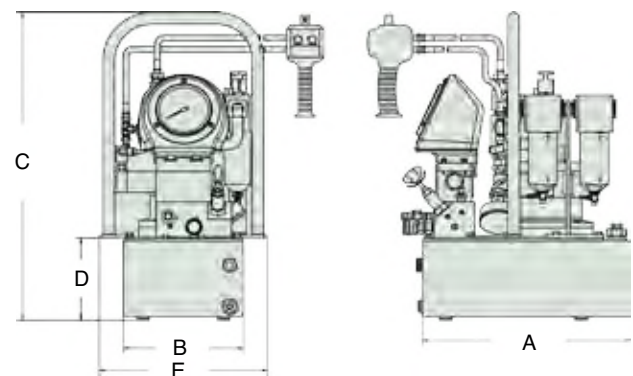
Multi-Port
Manifold



Caster Kit



Roll Cage



Reservoir (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.

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



Model	Pressure Rating (psi) Stages		Output Flow (cu.in./min.) Stages		Motor Spec.		Valve Type	Pendant Control	Usable Oil (Gallons)	Weight (lbs)
	1st	2nd	1st	2nd	(psi)	(cfm)				
G5772T	1,200	10,000	700	55	90	50	4W, 2P	Motor / Solenoid	1.5	75
G5773T	1,200	10,000	700	55	90	50	4W, 2P	Motor / Solenoid	2.5	85

TORQUE WRENCHES

WT Series - Square Drive

SIMPLEX



WT2, WT3 & WT5 Shown

Maximum Torque @ 10,000 psi► 27,200 ft. lbs.

Square Drive Range► .75 - 2.5 in.

Maximum Pressure► 10,000 psi

- Hardened alloy square drive provides long life.
- No reaction pawl eliminates tool lockup.
- 27 degree stroke for high performance & speed.
- Push through square drive switches from tighten to loosen instantly.
- No leak couplers that swivel on double axis for ease of operation.
- Anti-Backlash mechanism prevents tool from back-driving.

TORQUE HOSES - page 89



Heavy duty, thermo-plastic torque wrench hoses to meet your requirements.

BOLTING PUMPS - pages 81-87



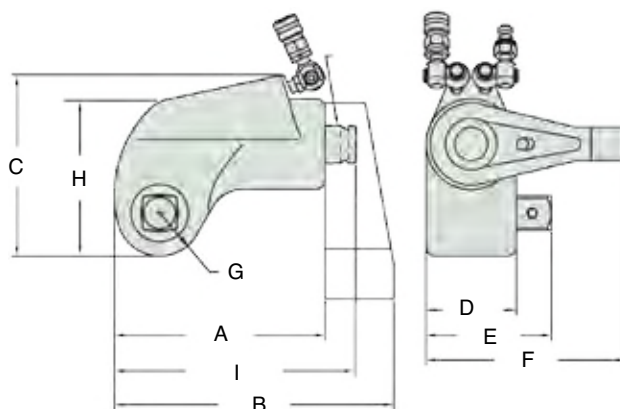
Torque wrench pumps are available in both electric and air power.

THINK SAFETY



Please refer to pages 4&5 for a complete list of safety tips and recommendations.

Lightweight, easy to use and reliable - The WT-5 torque wrench is used to certify flange assemblies in this fabricating shop.▼



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	2.76	4.42	.98	3.42	5.32	3.9	1,270	.75	.5 - 2.38	13 - 60
WT-3	6.10	8.10	5.30	2.62	3.68	5.81	1.30	4.54	6.68	9	3,330	1	.75 - 4.5	19 - 114
WT-5	8	10.74	6.99	3.61	5.06	7.98	1.70	6.05	9.48	19	7,170	1.5	1.31 - 5.38	33 - 137
WT-10	9.21	12.21	7.79	3.93	5.43	8.72	1.95	6.70	10.36	29	11,010	1.5	1.31 - 5.38	33 - 137
WT-27	12.29	16.29	10.19	5.26	7.73	11.63	2.43	8.82	13.87	70	27,200	2.5	1.62 - 9.25	41 - 235



Sockets For .75", 1" And 1.5" Drive Wrenches

Model Number for .75" 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 1.5" Drive WT-5 & 10	Socket Size (in)	Model Number for 1.5" Drive WT-5 & 10	Socket Size (in)
WST1212	.75 x .75	WST1612	1 x .75	WST1633	1 x 2.06	WST1654	1 x 3.38	WST2422	1.5 x 1.38	WST2443	1.5 x 2.68
WST1213	.75 x .81	WST1613	1 x .81	WST1634	1 x 2.13	WST1655	1 x 3.44	WST2423	1.5 x 1.44	WST2444	1.5 x 2.75
WST1214	.75 x .87	WST1614	1 x .87	WST1635	1 x 2.19	WST1656	1 x 3.5	WST2424	1.5 x 1.5	WST2445	1.5 x 2.81
WST1215	.75 x .93	WST1615	1 x .93	WST1636	1 x 2.25	WST1657	1 x 3.56	WST2425	1.5 x 1.56	WST2446	1.5 x 2.87
WST1216	.75 x 1	WST1616	1 x 1	WST1637	1 x 2.31	WST1658	1 x 3.62	WST2426	1.5 x 1.62	WST2447	1.5 x 2.93
WST1217	.75 x 1.06	WST1617	1 x 1.06	WST1638	1 x 2.38	WST1659	1 x 3.68	WST2427	1.5 x 1.68	WST2448	1.5 x 3
WST1218	.75 x 1.13	WST1618	1 x 1.13	WST1639	1 x 2.44	WST1660	1 x 3.75	WST2428	1.5 x 1.75	WST2449	1.5 x 3.06
WST1219	.75 x 1.19	WST1619	1 x 1.19	WST1640	1 x 2.5	WST1661	1 x 3.81	WST2429	1.5 x 1.81	WST2450	1.5 x 3.13
WST1220	.75 x 1.25	WST1620	1 x 1.25	WST1641	1 x 2.56	WST1662	1 x 3.87	WST2430	1.5 x 1.87	WST2451	1.5 x 3.19
WST1221	.75 x 1.31	WST1621	1 x 1.31	WST1642	1 x 2.62	----	----	WST2431	1.5 x 1.93	WST2452	1.5 x 3.25
WST1222	.75 x 1.38	WST1622	1 x 1.38	WST1643	1 x 2.68	----	----	WST2432	1.5 x 2	WST2453	1.5 x 3.31
WST1223	.75 x 1.44	WST1623	1 x 1.44	WST1644	1 x 2.75	----	----	WST2433	1.5 x 2.06	WST2454	1.5 x 3.38
WST1224	.75 x 1.5	WST1624	1 x 1.5	WST1645	1 x 2.81	----	----	WST2434	1.5 x 2.13	WST2455	1.5 x 3.44
WST1225	.75 x 1.56	WST1625	1 x 1.56	WST1646	1 x 2.87	----	----	WST2435	1.5 x 2.19	WST2456	1.5 x 3.5
WST1226	.75 x 1.62	WST1626	1 x 1.62	WST1647	1 x 2.93	----	----	WST2436	1.5 x 2.25	WST2457	1.5 x 3.56
WST1227	.75 x 1.68	WST1627	1 x 1.68	WST1648	1 x 3	----	----	WST2437	1.5 x 2.31	WST2458	1.5 x 3.62
WST1228	.75 x 1.75	WST1628	1 x 1.75	WST1649	1 x 3.06	----	----	WST2438	1.5 x 2.38	WST2459	1.5 x 3.68
WST1229	.75 x 1.81	WST1629	1 x 1.81	WST1650	1 x 3.13	----	----	WST2439	1.5 x 2.44	WST2460	1.5 x 3.75
WST1230	.75 x 1.87	WST1630	1 x 1.87	WST1651	1 x 3.19	----	----	WST2440	1.5 x 2.5	----	----
WST1231	.75 x 1.93	WST1631	1 x 1.93	WST1652	1 x 3.25	----	----	WST2441	1.5 x 2.56	----	----
WST1232	.75 x 2	WST1632	1 x 2	WST1653	1 x 3.31	----	----	WST2442	1.5 x 2.62	----	----

Allen Hex Drive For WT Series Wrenches

Model	Wrench Model	Allen Hex Size (in)	Maximum Torque (ft./lbs)
WA-1208	WT-2	.5	395
WA-1210	WT-2	.62	740
WA-1212	WT-2	.75	1,270
WA-1214	WT-2	.87	1,270
WA-1216	WT-2	1	1,270
WA-1610	WT-3	.62	740
WA-1612	WT-3	.75	1,330
WA-1614	WT-3	.87	2,070
WA-1616	WT-3	1	3,100
WA-1618	WT-3	1.13	3,330
WA-1620	WT-3	1.25	3,330
WA-2414	WT-5	.87	2,070
WA-2416	WT-5	1	3,100
WA-2418	WT-5	1.13	4,355
WA-2420	WT-5	1.25	6,275
WA-2422	WT-5	1.38	7,170
WA-2424	WT-5	1.5	7,170
WA-2420-10	WT-10	1.25	6,275
WA-2422-10	WT-10	1.38	7,750
WA-2424-10	WT-10	1.5	10,500
WA-2426-10	WT-10	1.62	10,500
WA-2428-10	WT-10	1.75	10,500
WA-4024	WT-27	1.5	10,500
WA-4026	WT-27	1.62	13,280
WA-4028	WT-27	1.75	16,230
WA-4030	WT-27	1.87	27,200
WA-4032	WT-27	2	27,200
WA-4036	WT-27	2.25	27,200

Alco Reaction Arms



Model	Length (in)
WT2-ALCO	18
WT3-ALCO	22.25
WT5-ALCO	21
WT10-ALCO	23.5
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

WX Series - Low Clearance Wrenches

SIMPLEX



WX2, WX4 & WX8 Shown

Maximum Torque @ 10,000 psi▶ 35,600 ft. lbs.
 Tool Width▶ 1.25 - 3.24 in.
 Maximum Pressure▶ 10,000 psi

- ▶ Patented piston design for lower profile.
- ▶ Quick and easy interchangeable links requiring no tools.
- ▶ Accurate to within + / - 3%.
- ▶ Slim nose radius for tight spaces.
- ▶ Plated wrenches resist corrosion.

BOLTING PUMPS - pages 81-87

Torque wrench pumps are available in both electric and air power.

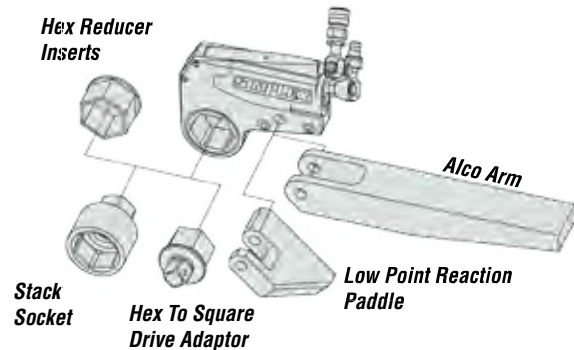


TORQUE HOSES - page 89

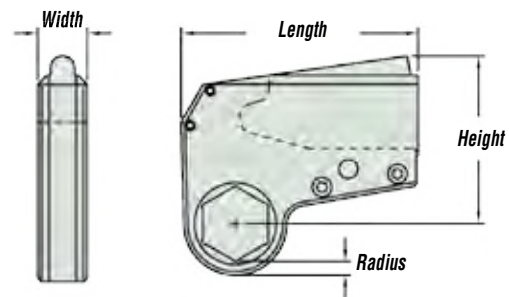
Heavy duty, thermo-plastic torque wrench hoses to meet your requirements.



OPTIONAL WX - SERIES ACCESSORIES



The WX-4 was the perfect solution for this spring tightening application. ▼



*Weight on Links will vary by size.

Model	Length (in)	Height (in)	Radius (in)	Max. Tool Width (in)	Output (ft.lbs.)	Weight (lbs.)
WX-2	5.67	4	.36	1.25	1,930	3.5
WX-4	7.80	5.60	.46	1.63	3,950	6
WX-8	9.80	7	.54	2.05	8,630	11.7
WX-16	12.93	7.58	.65	2.5	16,600	16
WX-32	15.30	10.90	.93	3.24	35,600	26

Available Link Sizes (in./mm)		*Weight (lbs.)
From	To	
.75" / 19mm	2.56" / 65mm	2.5 - 3.5
1" / 25mm	3.13" / 80mm	5.4 - 7.6
1.87" / 50mm	4" / 105mm	11.9 - 14.5
2.62" / 65mm	4.62" / 115mm	21 - 28
3.13" / 80mm	6.13" / 155mm	29 - 39.5

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.

WX Drive Unit


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

WXL Hex Link


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

Accessories are available in imperial and metric sizes.

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	.75	WXL4-16	1	WXL4-43	2.68	WXL8-30	1.87	WXL8-57	3.56	WXL16-42	2.62	WXL32-50	3.13	WXL32-87	5.44
WXL2-13	.81	WXL4-17	1.06	WXL4-44	2.75	WXL8-31	1.93	WXL8-58	3.62	WXL16-43	2.68	WXL32-51	3.19	WXL32-88	5.5
WXL2-14	.87	WXL4-18	1.13	WXL4-45	2.81	WXL8-32	2	WXL8-59	3.68	WXL16-44	2.75	WXL32-52	3.25	WXL32-89	5.56
WXL2-15	.93	WXL4-19	1.19	WXL4-46	2.87	WXL8-33	2.06	WXL8-60	3.75	WXL16-45	2.81	WXL32-53	3.31	WXL32-90	5.62
WXL2-16	1	WXL4-20	1.25	WXL4-47	2.93	WXL8-34	2.13	WXL8-61	3.81	WXL16-46	2.87	WXL32-54	3.38	WXL32-91	5.68
WXL2-17	1.06	WXL4-21	1.31	WXL4-48	3	WXL8-35	2.19	WXL8-62	3.87	WXL16-47	2.93	WXL32-55	3.44	WXL32-92	5.75
WXL2-18	1.13	WXL4-22	1.38	WXL4-49	3.06	WXL8-36	2.25	WXL8-63	3.93	WXL16-48	3	WXL32-56	3.5	WXL32-93	5.81
WXL2-19	1.19	WXL4-23	1.44	WXL4-50	3.13	WXL8-37	2.31	WXL8-64	4	WXL16-49	3.06	WXL32-57	3.56	WXL32-94	5.87
WXL2-20	1.25	WXL4-24	1.5	----	----	WXL8-38	2.38	----	----	WXL16-50	3.13	WXL32-58	3.62	WXL32-95	5.93
WXL2-21	1.31	WXL4-25	1.56	----	----	WXL8-39	2.44	----	----	WXL16-51	3.19	WXL32-59	3.68	WXL32-96	6
WXL2-22	1.38	WXL4-26	1.62	----	----	WXL8-40	2.5	----	----	WXL16-52	3.25	WXL32-60	3.75	WXL32-97	6.06
WXL2-23	1.44	WXL4-27	1.68	----	----	WXL8-41	2.56	----	----	WXL16-53	3.31	WXL32-61	3.81	WXL32-98	6.13
WXL2-24	1.5	WXL4-28	1.75	----	----	WXL8-42	2.62	----	----	WXL16-54	3.38	WXL32-62	3.87	----	----
WXL2-25	1.56	WXL4-29	1.81	----	----	WXL8-43	2.68	----	----	WXL16-55	3.44	WXL32-63	3.93	----	----
WXL2-26	1.62	WXL4-30	1.87	----	----	WXL8-44	2.75	----	----	WXL16-56	3.5	WXL32-64	4	----	----
WXL2-27	1.68	WXL4-31	1.93	----	----	WXL8-45	2.81	----	----	WXL16-58	3.62	WXL32-65	4.06	----	----
WXL2-28	1.75	WXL4-32	2	----	----	WXL8-46	2.87	----	----	WXL16-60	3.75	WXL32-66	4.13	----	----
WXL2-29	1.81	WXL4-33	2.06	----	----	WXL8-47	2.93	----	----	WXL16-62	3.87	WXL32-68	4.25	----	----
WXL2-30	1.87	WXL4-34	2.13	----	----	WXL8-48	3	----	----	WXL16-64	4	WXL32-70	4.38	----	----
WXL2-31	1.93	WXL4-35	2.19	----	----	WXL8-49	3.06	----	----	WXL16-66	4.13	WXL32-72	4.5	----	----
WXL2-32	2	WXL4-36	2.25	----	----	WXL8-50	3.13	----	----	WXL16-68	4.25	WXL32-74	4.62	----	----
WXL2-33	2.06	WXL4-37	2.31	----	----	WXL8-51	3.19	----	----	WXL16-70	4.38	WXL32-76	4.75	----	----
WXL2-34	2.13	WXL4-38	2.38	----	----	WXL8-52	3.25	----	----	WXL16-72	4.5	WXL32-78	4.87	----	----
WXL2-35	2.19	WXL4-39	2.44	----	----	WXL8-53	3.31	----	----	WXL16-74	4.62	WXL32-80	5	----	----
WXL2-36	2.25	WXL4-40	2.5	----	----	WXL8-54	3.38	----	----	----	----	WXL32-82	5.13	----	----
WXL2-37	2.31	WXL4-41	2.56	----	----	WXL8-55	3.44	----	----	----	----	WXL32-84	5.25	----	----
WXL2-38	2.38	WXL4-42	2.62	----	----	WXL8-56	3.5	----	----	----	----	WXL32-86	5.38	----	----