



Tool Model:4XLCT W/ #13 Hex Link
Pressure/Torque Conversion Chart

PRESSURE IN: PSI	TORQUE IN:			PRESSURE IN: BAR
	ft-lbs	KGM	NM	
1500	665	92	902	104
1600	710	98	962	110
1800	799	111	1083	124
2000	889	123	1205	138
2200	977	135	1324	152
2400	1065	147	1444	165
2600	1153	160	1564	179
2800	1242	172	1683	193
3000	1330	184	1803	207
3200	1419	196	1924	220
3400	1509	209	2045	234
3600	1598	221	2167	248
3800	1688	233	2288	262
4000	1777	246	2409	276
4200	1865	258	2529	290
4400	1954	270	2648	303
4600	2042	282	2768	317
4800	2130	295	2888	331
5000	2219	307	3008	345
5200	2307	319	3127	358
5400	2395	331	3247	372
5600	2484	343	3367	386
5800	2572	356	3486	400
6000	2660	368	3606	414
6200	2750	380	3727	427
6400	2839	393	3848	441
6600	2928	405	3970	455
6800	3018	417	4091	468
7000	3107	430	4212	482
7200	3196	442	4332	496
7400	3284	454	4452	510
7600	3372	466	4571	524
7800	3460	479	4691	538
8000	3549	491	4811	552
8200	3638	503	4932	565
8400	3728	516	5053	579
8600	3817	528	5174	593
8800	3906	540	5295	607
9000	3996	553	5417	620
9200	4084	565	5536	634
9400	4172	577	5656	648
9600	4261	589	5776	662
9800	4349	601	5895	676
10000	4437	614	6015	690

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Important Safety Instructions

WARNING: Your **HYTORC TORQUE MACHINE** is a power tool, and as with any power tool, certain safety precautions should be observed to avoid accidents or personal injury. The following tips will assist you.

- **READ ALL INSTRUCTIONS.**
- **KEEP WORK AREA CLEAN AND WELL LIT.**
- **CONSIDER WORK AREA ENVIRONMENT.** Electrical Pumps should never be used in any atmosphere which can be considered potentially volatile. If there is any doubt, use an air pump. Also Note: metal to metal contact can cause sparks, precautions should be taken.
- **AVOID PREMATURE TOOL STARTING.** The Pump Remote Control is for the TOOL OPERATOR only.
- **STAY CLEAR DURING OPERATION.** In most cases, the tool will allow “hands free” operation. If the tool must be held or steadied during operation, use alternative means of securing the tool to the application.
- **GUARD AGAINST ELECTRIC SHOCK.** Ensure the pump is properly grounded and the proper voltage is being used.
- **STORE IDLE TOOLS.** When not in use, tools and accessories should be properly stored to avoid deterioration.
- **USE RIGHT TOOL.** Don't force small tools or attachments to do the job of a larger tool. Don't use tool for purposes not intended.
- **PROPER SAFETY ATTIRE.** When handling/operating hydraulic equipment, use work gloves, hard hats, safety shoes and other applicable clothing.
- **USE SAFETY GLASSES.**
- **Moving equipment.** Do not use hydraulic hoses, uniswivels, pump power or remote cords as means of moving the equipment.
- **MAINTAIN TOOLS WITH CARE.** For top performance, inspect tool, powerpack and accessories for visual damage frequently and always prior to use. Always follow instructions for proper tool and pump maintenance. Refer to the Operations maintenance Section for further clarification.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not use power equipment under the influence of any mood altering substances.
- **PRIOR TO OPERATION.**
Ensure that all hydraulic connections are securely connected and there is no leakage.
Verify that the hydraulic hoses are not kinked or otherwise damaged.
Insure the square drive and its retainer is fully and securely engaged.
Ascertain that all connectors, elbows, fittings and swivels are not bent, loose or damaged.
- **PRIOR TO USE.**
Check Sockets for size, quality and flaws. (Do not use if question able.)
Cycle tool to ensure proper function.
Locate a solid, secure reaction point.
Be sure the reaction arm retaining clamp is fully engaged.
Be sure the hydraulic hoses are free of the reaction point.
Pressurize the system momentarily if the tool tends to “ride up” or to “creep”, stop and re-adjust the reaction arm to a more solid and secure position.

NOTE: Remain clear of the reaction arm during operation and never put body parts between reaction arm and reaction surface.
- **ALWAYS USE QUALITY ACCESSORIES.** Always use top quality impact sockets in good condition which are the correct size and fully engage the nut. Hidden flaws, however, remain a possibility which could cause break, so stay clear of sockets during operation.
- **DO NOT USE** other equipment to enhance performance. (Hammer on Socket/Tool)
- **NOTE:** HYTORC Pumps are designed to operate HYTORC Tools only. Damage may occur to the pump or product that is being operated due to misuse.

SAVE THESE INSTURCTIONS FOR FUTURE USE!