

LC20 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	3067	426	4314	104
1600	3272	454	4601	110
1800	3681	511	5176	124
2000	4090	568	5750	138
2200	4499	625	6327	152
2400	4908	682	6901	165
2600	5317	738	7476	179
2800	5726	795	8051	193
3000	6135	852	8627	207
3200	6544	909	9202	220
3400	6953	966	9777	234
3600	7362	1023	10351	248
3800	7771	1079	10927	262
4000	8180	1136	11502	276
4200	8589	1193	12077	290
4400	8998	1250	12652	303
4600	9407	1307	13228	317
4800	9816	1363	13803	331
5000	10225	1420	14377	345
5200	10634	1477	14952	358
5400	11043	1534	15528	372
5600	11452	1591	16103	386
5800	11861	1647	16678	400
6000	12270	1704	17253	414
6200	12679	1761	17829	427
6400	13088	1818	18404	441
6600	13497	1875	18978	455
6800	13906	1931	19553	468
7000	14315	1988	20129	482
7200	14724	2045	20704	496
7400	15133	2102	21279	510
7600	15542	2159	21854	524
7800	15951	2215	22430	538
8000	16360	2272	23005	552
8200	16769	2329	23579	565
8400	17178	2386	24154	579
8600	17587	2443	24730	593
8800	17996	2499	25305	607
9000	18405	2556	25880	620
9200	18814	2613	26455	634
9400	19223	2670	27031	648
9600	19632	2727	27605	662
9800	20041	2783	28180	676
10000	20450	2840	28755	690

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 an 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, tool 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 a 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, uni-swivels, pump power or remote cords as means of moving the equipment.
- **MAINTAIN TOOLS WITH CARE.** For top performance, inspect tools, powerpack and accessories for visual damage frequently and always prior to use. Always follow instruction 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.
Ensure the square drive and its retainer are fully and securely engaged.
Be certain that all connectors, elbows, fitting and swivels are not bent, loose or damaged.
- **PRIOR TO USE.**
Check sockets for size, quality and flaws. (Do not use if questionable)
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 surfaces.

- **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 breakage, 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 the product that is being operated due to misuse.

SAVE THESE INSTRUCTIONS FOR FUTURE USE!