

LC1 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	115	16	156	104
1600	123	17	166	110
1800	138	19	187	124
2000	153	21	207	138
2200	168	23	228	152
2400	184	26	249	165
2600	199	28	270	179
2800	215	30	291	193
3000	230	32	312	207
3200	246	34	333	220
3400	262	36	355	234
3600	277	38	376	248
3800	293	41	397	262
4000	309	43	419	276
4200	325	45	441	290
4400	341	47	462	303
4600	357	50	484	317
4800	373	52	506	331
5000	389	54	527	345
5200	405	56	549	358
5400	421	58	571	372
5600	437	61	592	386
5800	453	63	614	400
6000	469	65	636	414
6200	485	67	658	427
6400	501	70	680	441
6600	518	72	702	455
6800	534	74	724	468
7000	550	76	746	482
7200	566	79	767	496
7400	582	81	788	510
7600	597	83	810	524
7800	613	85	831	538
8000	629	87	853	552
8200	645	90	875	565
8400	661	92	897	579
8600	678	94	919	593
8800	694	96	941	607
9000	710	99	962	620
9200	726	101	984	634
9400	742	103	1005	648
9600	757	105	1027	662
9800	773	107	1048	676
10000	789	110	1070	690

LC2 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	281	39	381	104
1600	300	42	406	110
1800	337	47	457	124
2000	374	52	507	138
2200	411	57	558	152
2400	449	62	608	165
2600	486	68	659	179
2800	524	73	710	193
3000	561	78	760	207
3200	598	83	811	220
3400	636	88	862	234
3600	673	93	913	248
3800	711	99	963	262
4000	748	104	1014	276
4200	785	109	1065	290
4400	823	114	1115	303
4600	860	119	1166	317
4800	898	125	1217	331
5000	935	130	1267	345
5200	972	135	1318	358
5400	1010	140	1369	372
5600	1047	145	1420	386
5800	1085	151	1470	400
6000	1122	156	1521	414
6200	1159	161	1572	427
6400	1197	166	1622	441
6600	1234	171	1673	455
6800	1272	177	1724	468
7000	1309	182	1774	482
7200	1346	187	1825	496
7400	1384	192	1876	510
7600	1421	197	1927	524
7800	1459	203	1977	538
8000	1496	208	2028	552
8200	1533	213	2079	565
8400	1571	218	2129	579
8600	1608	223	2180	593
8800	1646	229	2231	607
9000	1683	234	2281	620
9200	1720	239	2332	634
9400	1758	244	2383	648
9600	1795	249	2434	662
9800	1833	255	2484	676
10000	1870	260	2535	690

LC4 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	617	86	836	104
1600	658	91	891	110
1800	739	103	1002	124
2000	820	114	1112	138
2200	905	126	1226	152
2400	989	137	1341	165
2600	1074	149	1456	179
2800	1158	161	1570	193
3000	1243	173	1685	207
3200	1329	185	1801	220
3400	1414	196	1917	234
3600	1500	208	2033	248
3800	1585	220	2149	262
4000	1671	232	2265	276
4200	1758	244	2383	290
4400	1845	256	2502	303
4600	1933	268	2620	317
4800	2020	281	2738	331
5000	2107	293	2856	345
5200	2193	305	2973	358
5400	2279	317	3090	372
5600	2366	329	3207	386
5800	2452	341	3324	400
6000	2538	353	3441	414
6200	2625	365	3558	427
6400	2712	377	3676	441
6600	2799	389	3794	455
6800	2886	401	3912	468
7000	2973	413	4030	482
7200	3061	425	4149	496
7400	3149	437	4268	510
7600	3236	449	4387	524
7800	3324	462	4506	538
8000	3412	474	4625	552
8200	3500	486	4744	565
8400	3588	498	4863	579
8600	3675	510	4982	593
8800	3763	523	5101	607
9000	3851	535	5220	620
9200	3939	547	5340	634
9400	4027	559	5460	648
9600	4116	572	5579	662
9800	4204	584	5699	676
10000	4292	596	5818	690

LC8 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	1350	188	1830	104
1600	1440	200	1952	110
1800	1620	225	2196	124
2000	1800	250	2440	138
2200	1980	275	2684	152
2400	2160	300	2928	165
2600	2340	325	3172	179
2800	2520	350	3416	193
3000	2700	375	3660	207
3200	2880	400	3904	220
3400	3060	425	4148	234
3600	3240	450	4392	248
3800	3420	475	4636	262
4000	3600	500	4880	276
4200	3780	525	5124	290
4400	3960	550	5368	303
4600	4140	575	5612	317
4800	4320	600	5856	331
5000	4500	625	6100	345
5200	4680	650	6344	358
5400	4860	675	6588	372
5600	5040	700	6832	386
5800	5220	725	7076	400
6000	5400	750	7320	414
6200	5580	775	7564	427
6400	5760	800	7808	441
6600	5940	825	8052	455
6800	6120	850	8296	468
7000	6300	875	8540	482
7200	6480	900	8784	496
7400	6660	925	9028	510
7600	6840	950	9272	524
7800	7020	975	9516	538
8000	7200	1000	9760	552
8200	7380	1025	10004	565
8400	7560	1050	10248	579
8600	7740	1075	10492	593
8800	7920	1100	10736	607
9000	8100	1125	10980	620
9200	8280	1150	11224	634
9400	8460	1175	11468	648
9600	8640	1200	11712	662
9800	8820	1225	11956	676
10000	9000	1250	12200	690

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!