

## Y10 Torque Chart

Pressure In PSI	Torque			Pressure In Bars
	FT.LBS.	KGM	NM	
1500	1460	203	1979	104
1600	1566	218	2123	110
1800	1778	247	2410	124
2000	1990	276	2698	138
2200	2198	305	2980	152
2400	2406	334	3262	165
2600	2614	363	3544	179
2800	2822	392	3826	193
3000	3030	421	4107	207
3200	3240	450	4392	220
3400	3450	479	4677	234
3600	3660	508	4961	248
3800	3870	538	5246	262
4000	4080	567	5531	276
4200	4292	596	5818	290
4400	4504	626	6106	303
4600	4716	655	6393	317
4800	4928	684	6680	331
5000	5140	714	6968	345
5200	5350	743	7252	358
5400	5560	772	7537	372
5600	5770	801	7822	386
5800	5980	831	8106	400
6000	6190	860	8391	414
6200	6404	889	8681	427
6400	6618	919	8971	441
6600	6832	949	9261	455
6800	7046	979	9552	468
7000	7260	1008	9842	482
7200	7472	1038	10129	496
7400	7684	1067	10416	510
7600	7896	1097	10704	524
7800	8108	1126	10991	538
8000	8320	1156	11279	552
8200	8530	1185	11563	565
8400	8740	1214	11848	579
8600	8950	1243	12133	593
8800	9160	1272	12417	607
9000	9370	1301	12702	620
9200	9580	1331	12987	634
9400	9790	1360	13271	648
9600	10000	1389	13556	662
9800	10210	1418	13841	676
10000	10420	1447	14125	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!