



**HYTORC**<sup>®</sup>  
Since 1968

**Tool Model: HY-20XLT**  
**Pressure/Torque Conversion Chart**

PRESSURE IN: PSI	TORQUE IN:			PRESSURE IN: BAR
	ft-lbs	KGM	NM	
1500	2960	409	4013	104
1600	3158	437	4281	110
1800	3555	492	4819	124
2000	3950	546	5355	138
2200	4345	601	5890	152
2400	4740	656	6426	165
2600	5135	710	6961	179
2800	5530	765	7496	193
3000	5930	820	8039	207
3200	6325	875	8574	220
3400	6720	929	9110	234
3600	7115	984	9645	248
3800	7510	1039	10181	262
4000	7905	1093	10716	276
4200	8300	1148	11251	290
4400	8695	1203	11787	303
4600	9090	1257	12322	317
4800	9485	1312	12858	331
5000	9880	1366	13393	345
5200	10275	1421	13929	358
5400	10670	1476	14464	372
5600	11065	1530	15000	386
5800	11460	1585	15535	400
6000	11860	1640	16077	414
6200	12250	1694	16606	427
6400	12645	1749	17142	441
6600	13040	1803	17677	455
6800	13435	1858	18212	468
7000	13830	1913	18748	482
7200	14225	1967	19283	496
7400	14620	2022	19819	510
7600	15020	2077	20361	524
7800	15415	2132	20897	538
8000	15810	2187	21432	552
8200	16200	2240	21961	565
8400	16600	2296	22503	579
8600	16995	2350	23038	593
8800	17390	2405	23574	607
9000	17785	2460	24109	620
9200	18180	2514	24645	634
9400	18575	2569	25180	648
9600	18970	2624	25716	662
9800	19365	2678	26251	676
10000	19760	2733	25787	690

**Hytorc West**

<http://www.hytorcwest.com>

## 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!**