



**TOOL MODEL: EDGE .5**

**PRESSURE/TORQUE CONVERSION CHART**

**Standard Torque Chart**

<b>PRESSURE IN PSI</b>	<b>FT.LBS.</b>	<b>TORQUE IN KGM</b>	<b>NM</b>	<b>PRESSURE IN BAR</b>
1500	106	15	144	104
1600	113	16	153	110
1800	128	18	173	124
2000	142	20	193	138
2200	156	22	212	152
2400	170	24	231	165
2600	185	26	250	179
2800	199	27	269	193
3000	213	29	289	207
3200	227	31	308	220
3400	241	33	327	234
3600	256	35	346	248
3800	270	37	366	262
4000	284	39	385	276
4200	298	41	404	290
4400	312	43	423	303
4600	327	45	443	317
4800	341	47	462	331
5000	355	49	481	345
5200	369	51	500	358
5400	383	53	520	372
5600	398	55	539	386
5800	412	57	558	400
6000	426	59	577	414
6200	440	61	597	427
6400	454	63	616	441
6600	469	65	635	455
6800	483	67	654	468
7000	497	69	674	482
7200	511	71	693	496
7400	525	73	712	510
7600	540	75	731	524
7800	554	77	751	538
8000	568	79	770	552
8200	582	81	789	565
8400	596	82	808	579
8600	611	84	828	593
8800	625	86	847	607
9000	639	88	866	620
9200	653	90	885	634
9400	667	92	905	648
9600	682	94	924	662
9800	696	96	943	676
10000	710	98	962	690

\* ISO DOCUMENT 9000

## 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!**