



**TOOL MODEL: EDGE-30S**

**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	4448	615	6030	104
1600	4744	656	6432	110
1800	5337	738	7235	124
2000	5930	820	8039	138
2200	6523	902	8843	152
2400	7116	984	9646	165
2600	7709	1066	10450	179
2800	8302	1148	11254	193
3000	8895	1230	12058	207
3200	9488	1312	12862	220
3400	10081	1394	13666	234
3600	10674	1476	14470	248
3800	11267	1558	15274	262
4000	11860	1640	16077	276
4200	12453	1722	16881	290
4400	13046	1804	17685	303
4600	13639	1886	18489	317
4800	14232	1968	19293	331
5000	14825	2050	20097	345
5200	15418	2132	20901	358
5400	16011	2214	21705	372
5600	16604	2296	22508	386
5800	17197	2378	23312	400
6000	17790	2460	24116	414
6200	18383	2542	24920	427
6400	18976	2624	25724	441
6600	19569	2706	26528	455
6800	20162	2788	27332	468
7000	20755	2870	28135	482
7200	21348	2952	28939	496
7400	21941	3034	29743	510
7600	22534	3116	30547	524
7800	23127	3198	31351	538
8000	23720	3280	32155	552
8200	24313	3362	32959	565
8400	24906	3445	33763	579
8600	25499	3527	34566	593
8800	26092	3609	35370	607
9000	26685	3691	36174	620
9200	27278	3773	36978	634
9400	27871	3855	37782	648
9600	28464	3937	38586	662
9800	29057	4019	39390	676
10000	29650	4101	40194	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!**