HYTORC

TOOL MODEL: MXTP-01

PRESSURE/TORQUE CONVERSION CHART

Standard Torque Chart

PRESSURE IN PSI	TORQUE IN FT.LBS.	KGM	NM	PRESSURE IN BAR
1500	205	28	278	104
1600	219	30	297	110
1800	247	34	335	124
2000	275	38	372	138
2200	303	42	411	152
2400	331	46	449	165
2600	359	50	487	179
2800	388	54	525	193
3000	416	58	564	207
3200	444	61	602	220
3400	472	65	640	234
3600	500	69	678	248
3800	528	73	716	262
4000	556	77	754	276
4200	584	81	792	290
4400	612	85	830	303
4600	640	89	868	317
4800	668	92	906	331
5000	696	96	944	345
5200	724	100	981	358
5400	751	104	1018	372
5600	778	108	1055	386
5800	806	111	1092	400
6000	833	115	1129	414
6200	860	119	1166	427
6400	887	123	1202	441
6600	914	126	1239	455
6800	941	130	1275	468
7000	968	134	1312	482
7200	994	138	1348	496
7400	1021	141	1384	510
7600	1047	145	1419	524
7800	1074	148	1455	538
8000	1100	152	1491	552
8200	1126	156	1527	565
8400	1152	159	1562	579
8600	1179	163	1598	593
8800	1205	167	1633	607
9000	1231	170	1669	620
9200	1257	174	1704	634
9400	1282	177	1738	648
9600	1308	181	1773	662
9800	1334	184	1808	676
10000	1359	188	1843	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 INSTUCTIONS.**
- **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 AGAINS ELECTRIC SHOCK.** Ensure the pump is properly grounded and the proper voltage is being used
- **STORE IDLE TOOLS.** When not in use, tool sand 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 andsecure 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 NOR 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!