



Tool Model: HY-AVANTI 10 Pressure/Torque Conversion Chart

PRESSURE IN: PSI	TORQUE IN:			PRESSURE IN: BAR
	ft-lbs	KGM	NM	
1500	1478	204	2004	104
1600	1578	218	2139	110
1800	1778	246	2410	124
2000	1978	274	2681	138
2200	2183	302	2960	152
2400	2389	330	3238	165
2600	2594	359	3517	179
2800	2800	387	3795	193
3000	3005	416	4074	207
3200	3210	444	4352	220
3400	3415	472	4630	234
3600	3621	501	4908	248
3800	3826	529	5186	262
4000	4031	557	5464	276
4200	4231	585	5735	290
4400	4431	613	6006	303
4600	4630	640	6277	317
4800	4830	668	6548	331
5000	5030	696	6819	345
5200	5233	724	7094	358
5400	5436	752	7370	372
5600	5640	780	7645	386
5800	5843	808	7920	400
6000	6046	836	8196	414
6200	6249	864	8471	427
6400	6452	892	8747	441
6600	6656	920	9022	455
6800	6859	949	9298	468
7000	7062	977	9573	482
7200	7262	1004	9844	496
7400	7462	1032	10115	510
7600	7661	1060	10386	524
7800	7861	1087	10657	538
8000	8061	1115	10927	552
8200	8262	1143	11201	565
8400	8464	1171	11474	579
8600	8665	1198	11747	593
8800	8867	1226	12020	607
9000	9068	1254	12293	620
9200	9269	1282	12566	634
9400	9471	1310	12839	648
9600	9672	1338	13112	662
9800	9874	1366	13385	676
10000	10075	1393	13658	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 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!