



HYTORC WEST

Tool Model: HY-AVANTI 5 Pressure/Torque Conversion Chart

PRESSURE IN: PSI	TORQUE IN:			PRESSURE IN: BAR
	ft-lbs	KGM	NM	
1500	766	106	1038	104
1600	820	113	1111	110
1800	927	128	1257	124
2000	1035	143	1403	138
2200	1139	158	1544	152
2400	1243	172	1685	165
2600	1347	186	1826	179
2800	1451	201	1967	193
3000	1555	215	2108	207
3200	1660	230	2251	220
3400	1765	244	2393	234
3600	1871	259	2536	248
3800	1976	273	2678	262
4000	2081	288	2821	276
4200	2185	302	2962	290
4400	2289	317	3102	303
4600	2392	331	3243	317
4800	2496	345	3384	331
5000	2600	360	3525	345
5200	2703	374	3664	358
5400	2806	388	3804	372
5600	2909	402	3943	386
5800	3012	417	4083	400
6000	3115	431	4223	414
6200	3215	445	4359	427
6400	3316	459	4495	441
6600	3416	472	4631	455
6800	3517	486	4767	468
7000	3617	500	4903	482
7200	3715	514	5037	496
7400	3814	527	5170	510
7600	3912	541	5303	524
7800	4011	555	5437	538
8000	4109	568	5570	552
8200	4208	582	5705	565
8400	4307	596	5839	579
8600	4407	609	5974	593
8800	4506	623	6108	607
9000	4605	637	6243	620
9200	4703	650	6375	634
9400	4801	664	6508	648
9600	4899	678	6641	662
9800	4997	691	6774	676
10000	5095	705	6907	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!