

# HYTORC

## TOOL MODEL:HY- .7MXT

### PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	118	16	160	104
1600	126	17	171	110
1800	143	20	194	124
2000	160	22	217	138
2200	176	24	239	152
2400	193	27	261	165
2600	209	29	284	179
2800	226	31	306	193
3000	242	33	328	207
3200	259	36	351	220
3400	275	38	373	234
3600	292	40	396	248
3800	308	43	418	262
4000	325	45	441	276
4200	342	47	463	290
4400	359	50	486	303
4600	375	52	509	317
4800	392	54	532	331
5000	409	57	554	345
5200	425	59	577	358
5400	442	61	599	372
5600	458	63	621	386
5800	475	66	643	400
6000	491	68	666	414
6200	508	70	688	427
6400	524	72	711	441
6600	541	75	733	455
6800	557	77	756	468
7000	574	79	778	482
7200	591	82	801	496
7400	608	84	824	510
7600	625	86	847	524
7800	642	89	870	538
8000	659	91	893	552
8200	675	93	915	565
8400	691	96	936	579
8600	706	98	958	593
8800	722	100	979	607
9000	738	102	1000	620
9200	755	104	1023	634
9400	772	107	1046	648
9600	788	109	1069	662
9800	805	111	1092	676
10000	822	114	1114	690

# HYTORC

## TOOL MODEL: HY-1MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	200	28	271	104
1600	214	30	290	110
1800	242	33	328	124
2000	270	37	366	138
2200	297	41	403	152
2400	324	45	439	165
2600	351	49	476	179
2800	378	52	512	193
3000	405	56	549	207
3200	431	60	584	220
3400	457	63	620	234
3600	483	67	655	248
3800	509	70	690	262
4000	535	74	725	276
4200	562	78	762	290
4400	589	81	798	303
4600	616	85	835	317
4800	643	89	872	331
5000	670	93	908	345
5200	697	96	945	358
5400	724	100	981	372
5600	751	104	1018	386
5800	778	108	1055	400
6000	805	111	1091	414
6200	832	115	1128	427
6400	859	119	1164	441
6600	886	123	1201	455
6800	913	126	1238	468
7000	940	130	1274	482
7200	967	134	1311	496
7400	994	137	1347	510
7600	1021	141	1384	524
7800	1048	145	1421	538
8000	1075	149	1457	552
8200	1101	152	1493	565
8400	1127	156	1528	579
8600	1153	159	1563	593
8800	1179	163	1598	607
9000	1205	167	1633	620
9200	1232	170	1670	634
9400	1259	174	1707	648
9600	1286	178	1743	662
9800	1313	182	1780	676
10000	1340	185	1817	690

# HYTORC

## TOOL MODEL: HY-3MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	480	66	651	104
1600	512	71	694	110
1800	576	80	781	124
2000	640	89	868	138
2200	704	97	954	152
2400	768	106	1041	165
2600	832	115	1128	179
2800	896	124	1215	193
3000	960	133	1301	207
3200	1024	142	1388	220
3400	1088	150	1475	234
3600	1152	159	1562	248
3800	1216	168	1648	262
4000	1280	177	1735	276
4200	1346	186	1825	290
4400	1412	195	1914	303
4600	1478	204	2004	317
4800	1544	214	2093	331
5000	1610	223	2183	345
5200	1674	232	2269	358
5400	1738	240	2356	372
5600	1802	249	2443	386
5800	1866	258	2530	400
6000	1930	267	2616	414
6200	1994	276	2703	427
6400	2058	285	2790	441
6600	2122	293	2877	455
6800	2186	302	2963	468
7000	2250	311	3050	482
7200	2316	320	3140	496
7400	2382	329	3229	510
7600	2448	339	3319	524
7800	2514	348	3408	538
8000	2580	357	3497	552
8200	2646	366	3587	565
8400	2712	375	3676	579
8600	2778	384	3766	593
8800	2844	393	3855	607
9000	2910	402	3945	620
9200	2974	411	4032	634
9400	3038	420	4118	648
9600	3102	429	4205	662
9800	3166	438	4292	676
10000	3230	447	4379	690

# HYTORC

## TOOL MODEL:HY-5MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	835	115	1132	104
1600	890	123	1206	110
1800	1000	138	1356	124
2000	1110	154	1505	138
2200	1222	169	1657	152
2400	1334	184	1808	165
2600	1446	200	1960	179
2800	1558	215	2112	193
3000	1670	231	2264	207
3200	1782	246	2416	220
3400	1894	262	2568	234
3600	2006	277	2719	248
3800	2118	293	2871	262
4000	2230	308	3023	276
4200	2342	324	3175	290
4400	2454	339	3327	303
4600	2566	355	3478	317
4800	2678	370	3630	331
5000	2790	386	3782	345
5200	2902	401	3934	358
5400	3014	417	4086	372
5600	3126	432	4238	386
5800	3238	448	4389	400
6000	3350	463	4541	414
6200	3462	479	4693	427
6400	3574	494	4845	441
6600	3686	510	4997	455
6800	3798	525	5149	468
7000	3910	541	5300	482
7200	4022	556	5452	496
7400	4134	572	5604	510
7600	4246	587	5756	524
7800	4358	603	5908	538
8000	4470	618	6060	552
8200	4582	634	6211	565
8400	4694	649	6363	579
8600	4806	665	6515	593
8800	4918	680	6667	607
9000	5030	696	6819	620
9200	5142	711	6970	634
9400	5254	727	7122	648
9600	5366	742	7274	662
9800	5478	758	7426	676
10000	5590	773	7578	690

# HYTORC

## TOOL MODEL: HY- 10MXT

### PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	1755	243	2379	104
1600	1864	258	2527	110
1800	2082	288	2822	124
2000	2300	318	3118	138
2200	2526	349	3424	152
2400	2752	381	3731	165
2600	2978	412	4037	179
2800	3204	443	4343	193
3000	3430	474	4650	207
3200	3656	506	4956	220
3400	3882	537	5262	234
3600	4108	568	5569	248
3800	4334	599	5875	262
4000	4560	631	6182	276
4200	4792	663	6496	290
4400	5024	695	6811	303
4600	5256	727	7125	317
4800	5488	759	7440	331
5000	5720	791	7754	345
5200	5948	823	8063	358
5400	6176	854	8372	372
5600	6404	886	8681	386
5800	6632	917	8990	400
6000	6860	949	9299	414
6200	7094	981	9617	427
6400	7328	1013	9934	441
6600	7562	1046	10251	455
6800	7796	1078	10568	468
7000	8030	1111	10885	482
7200	8264	1143	11203	496
7400	8498	1175	11520	510
7600	8732	1208	11837	524
7800	8966	1240	12154	538
8000	9200	1272	12472	552
8200	9432	1304	12786	565
8400	9664	1337	13101	579
8600	9896	1369	13415	593
8800	10128	1401	13730	607
9000	10360	1433	14044	620
9200	10592	1465	14359	634
9400	10824	1497	14673	648
9600	11056	1529	14988	662
9800	11288	1561	15302	676
10000	11520	1593	15617	690

# HYTORC

## TOOL MODEL: HY-15MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	2268	314	3075	104
1600	2423	335	3285	110
1800	2733	378	3704	124
2000	3042	421	4124	138
2200	3351	463	4542	152
2400	3659	506	4960	165
2600	3967	549	5378	179
2800	4276	591	5796	193
3000	4584	634	6214	207
3200	4892	677	6632	220
3400	5201	719	7050	234
3600	5509	762	7468	248
3800	5817	805	7886	262
4000	6126	847	8304	276
4200	6437	890	8726	290
4400	6749	933	9149	303
4600	7060	976	9571	317
4800	7372	1020	9993	331
5000	7683	1063	10415	345
5200	7995	1106	10838	358
5400	8307	1149	11262	372
5600	8620	1192	11685	386
5800	8932	1235	12108	400
6000	9244	1278	12531	414
6200	9557	1322	12955	427
6400	9869	1365	13379	441
6600	10182	1408	13803	455
6800	10495	1451	14227	468
7000	10808	1495	14651	482
7200	11114	1537	15066	496
7400	11419	1579	15480	510
7600	11725	1622	15895	524
7800	12031	1664	16309	538
8000	12337	1706	16723	552
8200	12648	1749	17146	565
8400	12960	1792	17569	579
8600	13272	1836	17991	593
8800	13584	1879	18414	607
9000	13896	1922	18837	620
9200	14196	1963	19244	634
9400	14497	2005	19652	648
9600	14797	2046	20059	662
9800	15098	2088	20467	676
10000	15399	2130	20874	690

# HYTORC

## TOOL MODEL: HY-20MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	2960	409	4013	104
1600	3158	437	4281	110
1800	3554	492	4818	124
2000	3950	546	5355	138
2200	4346	601	5891	152
2400	4742	656	6428	165
2600	5138	711	6965	179
2800	5534	765	7502	193
3000	5930	820	8039	207
3200	6325	875	8574	220
3400	6720	929	9110	234
3600	7115	984	9645	248
3800	7510	1039	10181	262
4000	7905	1093	10716	276
4200	8300	1148	11251	290
4400	8695	1203	11787	303
4600	9090	1257	12322	317
4800	9485	1312	12858	331
5000	9880	1366	13393	345
5200	10276	1421	13930	358
5400	10672	1476	14467	372
5600	11068	1531	15004	386
5800	11464	1585	15541	400
6000	11860	1640	16077	414
6200	12254	1695	16612	427
6400	12648	1749	17146	441
6600	13042	1804	17680	455
6800	13436	1858	18214	468
7000	13830	1913	18748	482
7200	14226	1967	19285	496
7400	14622	2022	19822	510
7600	15018	2077	20358	524
7800	15414	2132	20895	538
8000	15810	2187	21432	552
8200	16205	2241	21967	565
8400	16600	2296	22503	579
8600	16995	2350	23038	593
8800	17390	2405	23574	607
9000	17785	2460	24109	620
9200	18180	2514	24645	634
9400	18575	2569	25180	648
9600	18970	2624	25716	662
9800	19365	2678	26251	676
10000	19760	2733	26787	690

# HYTORC

## TOOL MODEL: HY-35MXT PRESSURE/TORQUE CONVERSION CHART

### Standard Torque Chart

PRESSURE IN PSI	TORQUE IN			PRESSURE IN BAR
	FT. LBS.	KGM	NM	
1500	5400	747	7320	104
1600	5772	798	7825	110
1800	6516	901	8833	124
2000	7260	1004	9842	138
2200	8021	1109	10873	152
2400	8782	1215	11905	165
2600	9543	1320	12936	179
2800	10304	1425	13968	193
3000	11065	1530	15000	207
3200	11817	1634	16019	220
3400	12569	1738	17039	234
3600	13321	1842	18058	248
3800	14073	1946	19077	262
4000	14825	2050	20097	276
4200	15572	2154	21109	290
4400	16319	2257	22122	303
4600	17066	2360	23135	317
4800	17813	2464	24147	331
5000	18560	2567	25160	345
5200	19306	2670	26171	358
5400	20052	2773	27182	372
5600	20798	2876	28194	386
5800	21544	2980	29205	400
6000	22290	3083	30216	414
6200	23027	3185	31215	427
6400	23764	3287	32214	441
6600	24501	3388	33214	455
6800	25238	3490	34213	468
7000	25975	3592	35212	482
7200	26716	3695	36216	496
7400	27457	3797	37221	510
7600	28198	3900	38225	524
7800	28939	4002	39230	538
8000	29680	4105	40234	552
8200	30422	4207	41240	565
8400	31164	4310	42246	579
8600	31906	4413	43252	593
8800	32648	4515	44258	607
9000	33390	4618	45263	620
9200	34132	4720	46269	634
9400	34874	4823	47275	648
9600	35616	4926	48281	662
9800	36358	5028	49287	676
10000	37100	5131	50293	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 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!