

# RT-0.5

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
1500	55	8	75	104
1600	59	8	80	110
1800	67	9	91	124
2000	75	10	102	138
2200	83	12	113	152
2400	92	13	124	165
2600	100	14	136	179
2800	109	15	147	193
3000	117	16	159	207
3200	125	17	169	220
3400	133	18	180	234
3600	140	19	190	248
3800	148	20	201	262
4000	156	22	211	276
4200	164	23	223	290
4400	172	24	234	303
4600	181	25	245	317
4800	189	26	256	331
5000	197	27	267	345
5200	206	28	279	358
5400	215	30	291	372
5600	223	31	303	386
5800	232	32	315	400
6000	241	33	327	414
6200	249	34	338	427
6400	257	36	349	441
6600	266	37	360	455
6800	274	38	371	468
7000	282	39	382	482
7200	289	40	392	496
7400	296	41	402	510
7600	304	42	412	524
7800	311	43	421	538
8000	318	44	431	552
8200	326	45	442	565
8400	334	46	453	579
8600	342	47	464	593
8800	350	48	474	607
9000	358	50	485	620
9200	366	51	496	634
9400	374	52	506	648
9600	381	53	517	662
9800	389	54	528	676
10000	397	55	538	690



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# RT-1

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-3

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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	1344	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



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# RT-5

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-8

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-10

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-20

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-25

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
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



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# RT-50

## PRESSURE/TORQUE CONVERSION CHART

PRESSURE IN PSI	FT. LBS.	KGM	NM	PRESSURE IN BAR
1500	7875	1089	10675	104
1600	8400	1162	11387	110
1800	9450	1307	12810	124
2000	10500	1452	14234	138
2200	11550	1597	15657	152
2400	12600	1743	17081	165
2600	13650	1888	18504	179
2800	14700	2033	19927	193
3000	15750	2178	21351	207
3200	16800	2323	22774	220
3400	17850	2469	24197	234
3600	18900	2614	25621	248
3800	19950	2759	27044	262
4000	21000	2904	28468	276
4200	22050	3050	29891	290
4400	23100	3195	31314	303
4600	24150	3340	32738	317
4800	25200	3485	34161	331
5000	26250	3630	35585	345
5200	27300	3776	37008	358
5400	28350	3921	38431	372
5600	29400	4066	39855	386
5800	30450	4211	41278	400
6000	31500	4356	42701	414
6200	32550	4502	44125	427
6400	33600	4647	45548	441
6600	34650	4792	46972	455
6800	35700	4937	48395	468
7000	36750	5083	49818	482
7200	37800	5228	51242	496
7400	38850	5373	52665	510
7600	39900	5518	54088	524
7800	40950	5663	55512	538
8000	42000	5809	56935	552
8200	43050	5954	58359	565
8400	44100	6099	59782	579
8600	45150	6244	61205	593
8800	46200	6389	62629	607
9000	47250	6535	64052	620
9200	48300	6680	65475	634
9400	49350	6825	66899	648
9600	50400	6970	68322	662
9800	51450	7116	69746	676
10000	52500	7261	71169	690



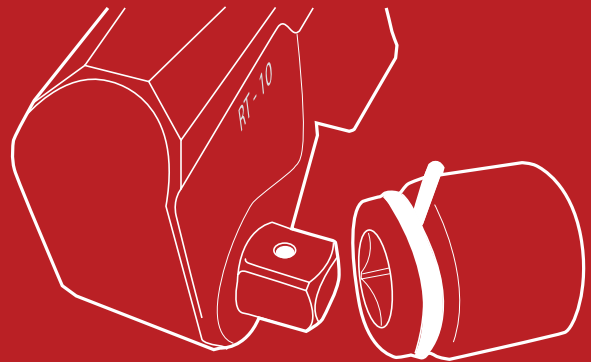
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# QUICK SETUP

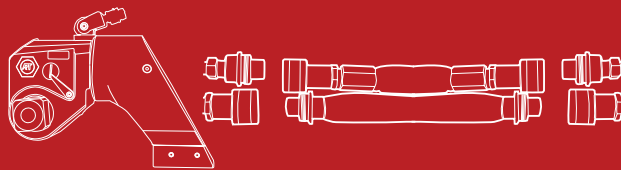
1

Connect your socket to your square drive. ALWAYS use the safety connector pin and the safety ring for added safety.



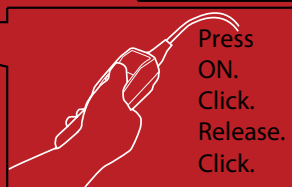
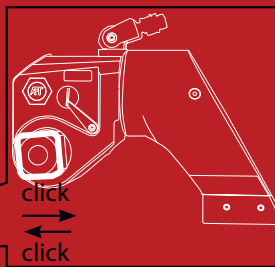
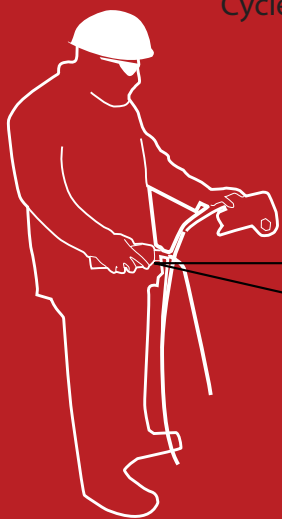
2

Make sure your hoses are free of any defects. Connect hose to the corresponding couplers on the pump and tool.



3

Cycle the tool.



4

NOTE: Easy to remember tool position for tightening and loosening.

Tightening



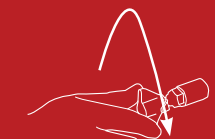
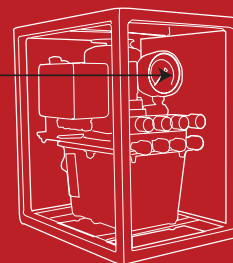
Loosening



5

Use the pressure/torque conversion chart to set the psi for the torque value you need. NOTE : Only use the chart that corresponds to the tool you are using.

Pressure (PSI)	Torque (ft-lb)	Torque (Nm)
100	1.4	1.9
125	1.7	2.3
150	2.1	2.8
175	2.4	3.3
200	2.8	3.8
225	3.1	4.2
250	3.5	4.7
275	3.8	5.1
300	4.2	5.7
325	4.5	6.1
350	4.9	6.6
375	5.2	7.0
400	5.6	7.6
425	5.9	8.0
450	6.3	8.5
475	6.6	9.0
500	7.0	9.5
525	7.3	10.0
550	7.7	10.5
575	8.0	10.9
600	8.4	11.4
625	8.7	11.8
650	9.1	12.3
675	9.4	12.8
700	9.8	13.3
725	10.1	13.7
750	10.5	14.2
775	10.8	14.6
800	11.2	15.1
825	11.5	15.6
850	11.9	16.1
875	12.2	16.5
900	12.6	17.0
925	12.9	17.5
950	13.3	18.0
975	13.6	18.5
1000	14.0	19.0
1025	14.3	19.4
1050	14.7	20.0
1075	15.0	20.4
1100	15.4	20.9
1125	15.7	21.4
1150	16.1	21.9
1175	16.4	22.3
1200	16.8	22.8
1225	17.1	23.3
1250	17.5	23.8
1275	17.8	24.2
1300	18.2	24.7
1325	18.5	25.2
1350	18.9	25.7
1375	19.2	26.1
1400	19.6	26.6
1425	19.9	27.1
1450	20.3	27.6
1475	20.6	28.0
1500	21.0	28.5
1525	21.3	29.0
1550	21.7	29.5
1575	22.0	30.0
1600	22.4	30.5
1625	22.7	31.0
1650	23.1	31.5
1675	23.4	32.0
1700	23.8	32.5
1725	24.1	33.0
1750	24.5	33.5
1775	24.8	34.0
1800	25.2	34.5
1825	25.5	35.0
1850	25.9	35.5
1875	26.2	36.0
1900	26.6	36.5
1925	26.9	37.0
1950	27.3	37.5
1975	27.6	38.0
2000	28.0	38.5
2025	28.3	39.0
2050	28.7	39.5
2075	29.0	40.0
2100	29.4	40.5
2125	29.7	41.0
2150	30.1	41.5
2175	30.4	42.0
2200	30.8	42.5
2225	31.1	43.0
2250	31.5	43.5
2275	31.8	44.0
2300	32.2	44.5
2325	32.5	45.0
2350	32.9	45.5
2375	33.2	46.0
2400	33.6	46.5
2425	33.9	47.0
2450	34.3	47.5
2475	34.6	48.0
2500	35.0	48.5
2525	35.3	49.0
2550	35.7	49.5
2575	36.0	50.0
2600	36.4	50.5
2625	36.7	51.0
2650	37.1	51.5
2675	37.4	52.0
2700	37.8	52.5
2725	38.1	53.0
2750	38.5	53.5
2775	38.8	54.0
2800	39.2	54.5
2825	39.5	55.0
2850	39.9	55.5
2875	40.2	56.0
2900	40.6	56.5
2925	40.9	57.0
2950	41.3	57.5
2975	41.6	58.0
3000	42.0	58.5
3025	42.3	59.0
3050	42.7	59.5
3075	43.0	60.0
3100	43.4	60.5
3125	43.7	61.0
3150	44.1	61.5
3175	44.4	62.0
3200	44.8	62.5
3225	45.1	63.0
3250	45.5	63.5
3275	45.8	64.0
3300	46.2	64.5
3325	46.5	65.0
3350	46.9	65.5
3375	47.2	66.0
3400	47.6	66.5
3425	47.9	67.0
3450	48.3	67.5
3475	48.6	68.0
3500	49.0	68.5
3525	49.3	69.0
3550	49.7	69.5
3575	50.0	70.0
3600	50.4	70.5
3625	50.7	71.0
3650	51.1	71.5
3675	51.4	72.0
3700	51.8	72.5
3725	52.1	73.0
3750	52.5	73.5
3775	52.8	74.0
3800	53.2	74.5
3825	53.5	75.0
3850	53.9	75.5
3875	54.2	76.0
3900	54.6	76.5
3925	54.9	77.0
3950	55.3	77.5
3975	55.6	78.0
4000	56.0	78.5
4025	56.3	79.0
4050	56.7	79.5
4075	57.0	80.0
4100	57.4	80.5
4125	57.7	81.0
4150	58.1	81.5
4175	58.4	82.0
4200	58.8	82.5
4225	59.1	83.0
4250	59.5	83.5
4275	59.8	84.0
4300	60.2	84.5
4325	60.5	85.0
4350	60.9	85.5
4375	61.2	86.0
4400	61.6	86.5
4425	61.9	87.0
4450	62.3	87.5
4475	62.6	88.0
4500	63.0	88.5
4525	63.3	89.0
4550	63.7	89.5
4575	64.0	90.0
4600	64.4	90.5
4625	64.7	91.0
4650	65.1	91.5
4675	65.4	92.0
4700	65.8	92.5
4725	66.1	93.0
4750	66.5	93.5
4775	66.8	94.0
4800	67.2	94.5
4825	67.5	95.0
4850	67.9	95.5
4875	68.2	96.0
4900	68.6	96.5
4925	68.9	97.0
4950	69.3	97.5
4975	69.6	98.0
5000	70.0	98.5
5025	70.3	99.0
5050	70.7	99.5
5075	71.0	100.0



Turn the T-handle to the right to set the pressure.

## WARNING:

NEVER PLACE HANDS NEAR ACTION OR REACTION POINTS.  
ALWAYS WEAR HARD HAT, SAFETY GLOVES, GOGGLES, STEELTOE BOOTS AND EARPLUGS  
THE PUMP AND THE TOOL SHOULD BE OPERATED BY THE SAME PERSON.