

RT-1

SQUARE DRIVE

HYDRAULIC TORQUE WRENCH

Pressure/Torque Conversion Chart

How to use this chart

- 1** Find the closest torque value for your application, either in ft-lbs or in Nm.
- 2** Set the pressure on the pump that corresponds to the torque value. *Please ensure that the gauge calibration certificate is current.*
- 3** Appreciate the powerful torque output and the accuracy of the RT-1. Enjoy the hands-free feature and work from a safe distance. *Your safety is our main priority.*

Scan the code to see how to use this document, or go to rapidtorc.com/torque_setup



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email support@rapidtorc.com
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PSI	FT.LB.	BAR	NM
1500	209	104	283
1600	222	110	302
1800	250	124	339
2000	278	138	377
2200	306	152	415
2400	334	165	452
2600	361	179	490
2800	389	193	528
3000	417	207	565
3200	445	220	603
3400	473	234	641
3600	500	248	678
3800	528	262	716
4000	556	276	754
4200	584	290	792
4400	612	303	829
4600	639	317	867
4800	667	331	905
5000	695	345	942
5200	723	358	980
5400	751	372	1018
5600	778	386	1055
5800	806	400	1093
6000	834	414	1131
6200	862	427	1168
6400	890	441	1206
6600	917	455	1244
6800	945	468	1282
7000	973	482	1319
7200	1001	496	1357
7400	1029	510	1395
7600	1056	524	1432
7800	1084	538	1470
8000	1112	552	1508
8200	1140	565	1545
8400	1168	579	1583
8600	1195	593	1621
8800	1223	607	1658
9000	1251	620	1696
9200	1279	634	1734
9400	1307	648	1772
9600	1334	662	1809
9800	1362	676	1847
10000	1390	690	1885

SQUARE DRIVE 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.

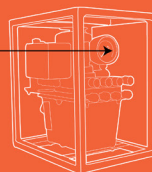


5

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

TOOL		TIGHTENING		LOOSENING	
APPLICABLE TORQUE RANGE		PSI	FT-LBS	PSI	FT-LBS
1	10-15	100	10	100	10
2	15-20	150	15	150	15
3	20-25	200	20	200	20
4	25-30	250	25	250	25
5	30-35	300	30	300	30
6	35-40	350	35	350	35
7	40-45	400	40	400	40
8	45-50	450	45	450	45
9	50-55	500	50	500	50
10	55-60	550	55	550	55
11	60-65	600	60	600	60
12	65-70	650	65	650	65
13	70-75	700	70	700	70
14	75-80	750	75	750	75
15	80-85	800	80	800	80
16	85-90	850	85	850	85
17	90-95	900	90	900	90
18	95-100	950	95	950	95
19	100-105	1000	100	1000	100
20	105-110	1050	105	1050	105
21	110-115	1100	110	1100	110
22	115-120	1150	115	1150	115
23	120-125	1200	120	1200	120
24	125-130	1250	125	1250	125
25	130-135	1300	130	1300	130
26	135-140	1350	135	1350	135
27	140-145	1400	140	1400	140
28	145-150	1450	145	1450	145
29	150-155	1500	150	1500	150
30	155-160	1550	155	1550	155
31	160-165	1600	160	1600	160
32	165-170	1650	165	1650	165
33	170-175	1700	170	1700	170
34	175-180	1750	175	1750	175
35	180-185	1800	180	1800	180
36	185-190	1850	185	1850	185
37	190-195	1900	190	1900	190
38	195-200	1950	195	1950	195
39	200-205	2000	200	2000	200
40	205-210	2050	205	2050	205
41	210-215	2100	210	2100	210
42	215-220	2150	215	2150	215
43	220-225	2200	220	2200	220
44	225-230	2250	225	2250	225
45	230-235	2300	230	2300	230
46	235-240	2350	235	2350	235
47	240-245	2400	240	2400	240
48	245-250	2450	245	2450	245
49	250-255	2500	250	2500	250
50	255-260	2550	255	2550	255
51	260-265	2600	260	2600	260
52	265-270	2650	265	2650	265
53	270-275	2700	270	2700	270
54	275-280	2750	275	2750	275
55	280-285	2800	280	2800	280
56	285-290	2850	285	2850	285
57	290-295	2900	290	2900	290
58	295-300	2950	295	2950	295
59	300-305	3000	300	3000	300
60	305-310	3050	305	3050	305
61	310-315	3100	310	3100	310
62	315-320	3150	315	3150	315
63	320-325	3200	320	3200	320
64	325-330	3250	325	3250	325
65	330-335	3300	330	3300	330
66	335-340	3350	335	3350	335
67	340-345	3400	340	3400	340
68	345-350	3450	345	3450	345
69	350-355	3500	350	3500	350
70	355-360	3550	355	3550	355
71	360-365	3600	360	3600	360
72	365-370	3650	365	3650	365
73	370-375	3700	370	3700	370
74	375-380	3750	375	3750	375
75	380-385	3800	380	3800	380
76	385-390	3850	385	3850	385
77	390-395	3900	390	3900	390
78	395-400	3950	395	3950	395
79	400-405	4000	400	4000	400
80	405-410	4050	405	4050	405
81	410-415	4100	410	4100	410
82	415-420	4150	415	4150	415
83	420-425	4200	420	4200	420
84	425-430	4250	425	4250	425
85	430-435	4300	430	4300	430
86	435-440	4350	435	4350	435
87	440-445	4400	440	4400	440
88	445-450	4450	445	4450	445
89	450-455	4500	450	4500	450
90	455-460	4550	455	4550	455
91	460-465	4600	460	4600	460
92	465-470	4650	465	4650	465
93	470-475	4700	470	4700	470
94	475-480	4750	475	4750	475
95	480-485	4800	480	4800	480
96	485-490	4850	485	4850	485
97	490-495	4900	490	4900	490
98	495-500	4950	495	4950	495
99	500-505	5000	500	5000	500
100	505-510	5050	505	5050	505



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.