

RT-10

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-10. 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



RAPID-TORC®
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website www.rapidtorc.com

PSI	FT.LB.	BAR	NM
1500	1728	104	2343
1600	1843	110	2499
1800	2074	124	2811
2000	2304	138	3124
2200	2534	152	3436
2400	2765	165	3749
2600	2995	179	4061
2800	3226	193	4373
3000	3456	207	4686
3200	3686	220	4998
3400	3917	234	5310
3600	4147	248	5623
3800	4378	262	5935
4000	4608	276	6248
4200	4838	290	6560
4400	5069	303	6872
4600	5299	317	7185
4800	5530	331	7497
5000	5760	345	7810
5200	5990	358	8122
5400	6221	372	8434
5600	6451	386	8747
5800	6682	400	9059
6000	6912	414	9371
6200	7142	427	9684
6400	7373	441	9996
6600	7603	455	10309
6800	7834	468	10621
7000	8064	482	10933
7200	8294	496	11246
7400	8525	510	11558
7600	8755	524	11870
7800	8986	538	12183
8000	9216	552	12495
8200	9446	565	12808
8400	9677	579	13120
8600	9907	593	13432
8800	10138	607	13745
9000	10368	620	14057
9200	10598	634	14370
9400	10829	648	14682
9600	11059	662	14994
9800	11290	676	15307
10000	11520	690	15619

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.



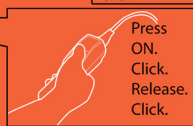
2

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.

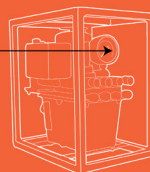


5

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 DRIVE TORQUE		PSI	FT-LBS	PSI	FT-LBS
1	1/4"	100	1.5	100	1.5
2	3/8"	100	3.0	100	3.0
3	1/2"	100	4.5	100	4.5
4	9/16"	100	6.0	100	6.0
5	5/8"	100	7.5	100	7.5
6	3/4"	100	9.0	100	9.0
7	7/8"	100	10.5	100	10.5
8	1"	100	12.0	100	12.0
9	1 1/8"	100	13.5	100	13.5
10	1 1/4"	100	15.0	100	15.0
11	1 3/8"	100	16.5	100	16.5
12	1 1/2"	100	18.0	100	18.0
13	1 5/8"	100	19.5	100	19.5
14	1 3/4"	100	21.0	100	21.0
15	1 7/8"	100	22.5	100	22.5
16	2"	100	24.0	100	24.0
17	2 1/8"	100	25.5	100	25.5
18	2 1/4"	100	27.0	100	27.0
19	2 3/8"	100	28.5	100	28.5
20	2 1/2"	100	30.0	100	30.0
21	2 5/8"	100	31.5	100	31.5
22	2 3/4"	100	33.0	100	33.0
23	2 7/8"	100	34.5	100	34.5
24	3"	100	36.0	100	36.0
25	3 1/8"	100	37.5	100	37.5
26	3 1/4"	100	39.0	100	39.0
27	3 3/8"	100	40.5	100	40.5
28	3 1/2"	100	42.0	100	42.0
29	3 5/8"	100	43.5	100	43.5
30	3 3/4"	100	45.0	100	45.0
31	3 7/8"	100	46.5	100	46.5
32	4"	100	48.0	100	48.0
33	4 1/8"	100	49.5	100	49.5
34	4 1/4"	100	51.0	100	51.0
35	4 3/8"	100	52.5	100	52.5
36	4 1/2"	100	54.0	100	54.0
37	4 5/8"	100	55.5	100	55.5
38	4 3/4"	100	57.0	100	57.0
39	4 7/8"	100	58.5	100	58.5
40	5"	100	60.0	100	60.0
41	5 1/8"	100	61.5	100	61.5
42	5 1/4"	100	63.0	100	63.0
43	5 3/8"	100	64.5	100	64.5
44	5 1/2"	100	66.0	100	66.0
45	5 5/8"	100	67.5	100	67.5
46	5 3/4"	100	69.0	100	69.0
47	5 7/8"	100	70.5	100	70.5
48	6"	100	72.0	100	72.0
49	6 1/8"	100	73.5	100	73.5
50	6 1/4"	100	75.0	100	75.0
51	6 3/8"	100	76.5	100	76.5
52	6 1/2"	100	78.0	100	78.0
53	6 5/8"	100	79.5	100	79.5
54	6 3/4"	100	81.0	100	81.0
55	6 7/8"	100	82.5	100	82.5
56	7"	100	84.0	100	84.0
57	7 1/8"	100	85.5	100	85.5
58	7 1/4"	100	87.0	100	87.0
59	7 3/8"	100	88.5	100	88.5
60	7 1/2"	100	90.0	100	90.0
61	7 5/8"	100	91.5	100	91.5
62	7 3/4"	100	93.0	100	93.0
63	7 7/8"	100	94.5	100	94.5
64	8"	100	96.0	100	96.0
65	8 1/8"	100	97.5	100	97.5
66	8 1/4"	100	99.0	100	99.0
67	8 3/8"	100	100.5	100	100.5
68	8 1/2"	100	102.0	100	102.0
69	8 5/8"	100	103.5	100	103.5
70	8 3/4"	100	105.0	100	105.0
71	8 7/8"	100	106.5	100	106.5
72	9"	100	108.0	100	108.0
73	9 1/8"	100	109.5	100	109.5
74	9 1/4"	100	111.0	100	111.0
75	9 3/8"	100	112.5	100	112.5
76	9 1/2"	100	114.0	100	114.0
77	9 5/8"	100	115.5	100	115.5
78	9 3/4"	100	117.0	100	117.0
79	9 7/8"	100	118.5	100	118.5
80	10"	100	120.0	100	120.0
81	10 1/8"	100	121.5	100	121.5
82	10 1/4"	100	123.0	100	123.0
83	10 3/8"	100	124.5	100	124.5
84	10 1/2"	100	126.0	100	126.0
85	10 5/8"	100	127.5	100	127.5
86	10 3/4"	100	129.0	100	129.0
87	10 7/8"	100	130.5	100	130.5
88	11"	100	132.0	100	132.0
89	11 1/8"	100	133.5	100	133.5
90	11 1/4"	100	135.0	100	135.0
91	11 3/8"	100	136.5	100	136.5
92	11 1/2"	100	138.0	100	138.0
93	11 5/8"	100	139.5	100	139.5
94	11 3/4"	100	141.0	100	141.0
95	11 7/8"	100	142.5	100	142.5
96	12"	100	144.0	100	144.0
97	12 1/8"	100	145.5	100	145.5
98	12 1/4"	100	147.0	100	147.0
99	12 3/8"	100	148.5	100	148.5
100	12 1/2"	100	150.0	100	150.0



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.