

# 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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RAPID-TORC is an International Corporation, based in Houston, TX and Brussels, Belgium. Leader in the Bolting market, the company designs, manufactures and distributes high quality hydraulic torque wrenches, bolt tensioners and induction heating systems and delivers value-added technical services to customers worldwide.

# QUICK SETUP

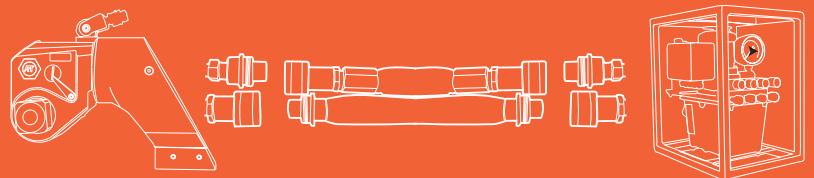
1

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



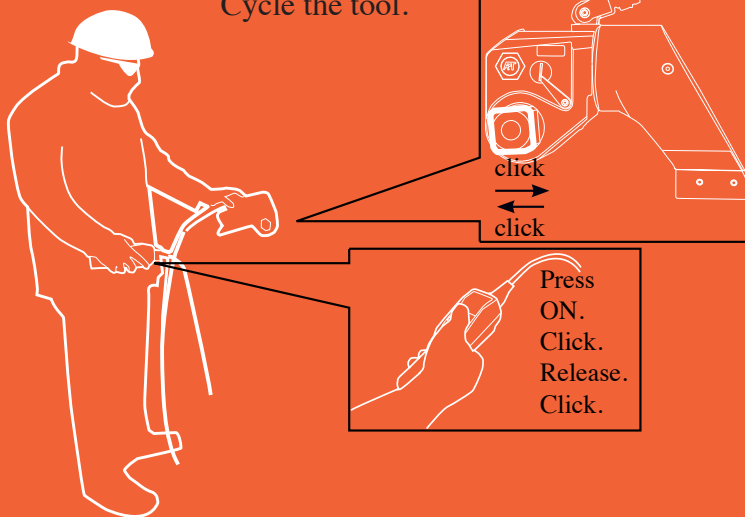
2

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 listening.

Tightening.

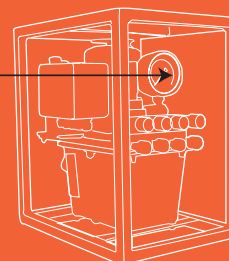


Loosening.

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            | 10.0           | 13.6        |
| 150            | 15.0           | 20.4        |
| 200            | 20.0           | 27.1        |
| 250            | 25.0           | 33.9        |
| 300            | 30.0           | 40.7        |
| 350            | 35.0           | 47.5        |
| 400            | 40.0           | 54.2        |
| 450            | 45.0           | 61.0        |
| 500            | 50.0           | 67.8        |
| 550            | 55.0           | 74.6        |
| 600            | 60.0           | 81.4        |
| 650            | 65.0           | 88.2        |
| 700            | 70.0           | 94.9        |
| 750            | 75.0           | 101.7       |
| 800            | 80.0           | 108.5       |
| 850            | 85.0           | 115.3       |
| 900            | 90.0           | 122.1       |
| 950            | 95.0           | 128.9       |
| 1000           | 100.0          | 135.7       |
| 1050           | 105.0          | 142.5       |
| 1100           | 110.0          | 149.3       |
| 1150           | 115.0          | 156.1       |
| 1200           | 120.0          | 162.9       |
| 1250           | 125.0          | 169.7       |
| 1300           | 130.0          | 176.5       |
| 1350           | 135.0          | 183.3       |
| 1400           | 140.0          | 190.1       |
| 1450           | 145.0          | 196.9       |
| 1500           | 150.0          | 203.7       |
| 1550           | 155.0          | 210.5       |
| 1600           | 160.0          | 217.3       |
| 1650           | 165.0          | 224.1       |
| 1700           | 170.0          | 230.9       |
| 1750           | 175.0          | 237.7       |
| 1800           | 180.0          | 244.5       |
| 1850           | 185.0          | 251.3       |
| 1900           | 190.0          | 258.1       |
| 1950           | 195.0          | 264.9       |
| 2000           | 200.0          | 271.7       |
| 2050           | 205.0          | 278.5       |
| 2100           | 210.0          | 285.3       |
| 2150           | 215.0          | 292.1       |
| 2200           | 220.0          | 298.9       |
| 2250           | 225.0          | 305.7       |
| 2300           | 230.0          | 312.5       |
| 2350           | 235.0          | 319.3       |
| 2400           | 240.0          | 326.1       |
| 2450           | 245.0          | 332.9       |
| 2500           | 250.0          | 339.7       |
| 2550           | 255.0          | 346.5       |
| 2600           | 260.0          | 353.3       |
| 2650           | 265.0          | 360.1       |
| 2700           | 270.0          | 366.9       |
| 2750           | 275.0          | 373.7       |
| 2800           | 280.0          | 380.5       |
| 2850           | 285.0          | 387.3       |
| 2900           | 290.0          | 394.1       |
| 2950           | 295.0          | 400.9       |
| 3000           | 300.0          | 407.7       |
| 3050           | 305.0          | 414.5       |
| 3100           | 310.0          | 421.3       |
| 3150           | 315.0          | 428.1       |
| 3200           | 320.0          | 434.9       |
| 3250           | 325.0          | 441.7       |
| 3300           | 330.0          | 448.5       |
| 3350           | 335.0          | 455.3       |
| 3400           | 340.0          | 462.1       |
| 3450           | 345.0          | 468.9       |
| 3500           | 350.0          | 475.7       |
| 3550           | 355.0          | 482.5       |
| 3600           | 360.0          | 489.3       |
| 3650           | 365.0          | 496.1       |
| 3700           | 370.0          | 502.9       |
| 3750           | 375.0          | 509.7       |
| 3800           | 380.0          | 516.5       |
| 3850           | 385.0          | 523.3       |
| 3900           | 390.0          | 530.1       |
| 3950           | 395.0          | 536.9       |
| 4000           | 400.0          | 543.7       |
| 4050           | 405.0          | 550.5       |
| 4100           | 410.0          | 557.3       |
| 4150           | 415.0          | 564.1       |
| 4200           | 420.0          | 570.9       |
| 4250           | 425.0          | 577.7       |
| 4300           | 430.0          | 584.5       |
| 4350           | 435.0          | 591.3       |
| 4400           | 440.0          | 598.1       |
| 4450           | 445.0          | 604.9       |
| 4500           | 450.0          | 611.7       |
| 4550           | 455.0          | 618.5       |
| 4600           | 460.0          | 625.3       |
| 4650           | 465.0          | 632.1       |
| 4700           | 470.0          | 638.9       |
| 4750           | 475.0          | 645.7       |
| 4800           | 480.0          | 652.5       |
| 4850           | 485.0          | 659.3       |
| 4900           | 490.0          | 666.1       |
| 4950           | 495.0          | 672.9       |
| 5000           | 500.0          | 679.7       |
| 5050           | 505.0          | 686.5       |
| 5100           | 510.0          | 693.3       |
| 5150           | 515.0          | 700.1       |
| 5200           | 520.0          | 706.9       |
| 5250           | 525.0          | 713.7       |
| 5300           | 530.0          | 720.5       |
| 5350           | 535.0          | 727.3       |
| 5400           | 540.0          | 734.1       |
| 5450           | 545.0          | 740.9       |
| 5500           | 550.0          | 747.7       |
| 5550           | 555.0          | 754.5       |
| 5600           | 560.0          | 761.3       |
| 5650           | 565.0          | 768.1       |
| 5700           | 570.0          | 774.9       |
| 5750           | 575.0          | 781.7       |
| 5800           | 580.0          | 788.5       |
| 5850           | 585.0          | 795.3       |
| 5900           | 590.0          | 802.1       |
| 5950           | 595.0          | 808.9       |
| 6000           | 600.0          | 815.7       |
| 6050           | 605.0          | 822.5       |
| 6100           | 610.0          | 829.3       |
| 6150           | 615.0          | 836.1       |
| 6200           | 620.0          | 842.9       |
| 6250           | 625.0          | 849.7       |
| 6300           | 630.0          | 856.5       |
| 6350           | 635.0          | 863.3       |
| 6400           | 640.0          | 870.1       |
| 6450           | 645.0          | 876.9       |
| 6500           | 650.0          | 883.7       |
| 6550           | 655.0          | 890.5       |
| 6600           | 660.0          | 897.3       |
| 6650           | 665.0          | 904.1       |
| 6700           | 670.0          | 910.9       |
| 6750           | 675.0          | 917.7       |
| 6800           | 680.0          | 924.5       |
| 6850           | 685.0          | 931.3       |
| 6900           | 690.0          | 938.1       |
| 6950           | 695.0          | 944.9       |
| 7000           | 700.0          | 951.7       |
| 7050           | 705.0          | 958.5       |
| 7100           | 710.0          | 965.3       |
| 7150           | 715.0          | 972.1       |
| 7200           | 720.0          | 978.9       |
| 7250           | 725.0          | 985.7       |
| 7300           | 730.0          | 992.5       |
| 7350           | 735.0          | 999.3       |
| 7400           | 740.0          | 1006.1      |
| 7450           | 745.0          | 1012.9      |
| 7500           | 750.0          | 1019.7      |
| 7550           | 755.0          | 1026.5      |
| 7600           | 760.0          | 1033.3      |
| 7650           | 765.0          | 1040.1      |
| 7700           | 770.0          | 1046.9      |
| 7750           | 775.0          | 1053.7      |
| 7800           | 780.0          | 1060.5      |
| 7850           | 785.0          | 1067.3      |
| 7900           | 790.0          | 1074.1      |
| 7950           | 795.0          | 1080.9      |
| 8000           | 800.0          | 1087.7      |
| 8050           | 805.0          | 1094.5      |
| 8100           | 810.0          | 1101.3      |
| 8150           | 815.0          | 1108.1      |
| 8200           | 820.0          | 1114.9      |
| 8250           | 825.0          | 1121.7      |
| 8300           | 830.0          | 1128.5      |
| 8350           | 835.0          | 1135.3      |
| 8400           | 840.0          | 1142.1      |
| 8450           | 845.0          | 1148.9      |
| 8500           | 850.0          | 1155.7      |
| 8550           | 855.0          | 1162.5      |
| 8600           | 860.0          | 1169.3      |
| 8650           | 865.0          | 1176.1      |
| 8700           | 870.0          | 1182.9      |
| 8750           | 875.0          | 1189.7      |
| 8800           | 880.0          | 1196.5      |
| 8850           | 885.0          | 1203.3      |
| 8900           | 890.0          | 1210.1      |
| 8950           | 895.0          | 1216.9      |
| 9000           | 900.0          | 1223.7      |
| 9050           | 905.0          | 1230.5      |
| 9100           | 910.0          | 1237.3      |
| 9150           | 915.0          | 1244.1      |
| 9200           | 920.0          | 1250.9      |
| 9250           | 925.0          | 1257.7      |
| 9300           | 930.0          | 1264.5      |
| 9350           | 935.0          | 1271.3      |
| 9400           | 940.0          | 1278.1      |
| 9450           | 945.0          | 1284.9      |
| 9500           | 950.0          | 1291.7      |
| 9550           | 955.0          | 1298.5      |
| 9600           | 960.0          | 1305.3      |
| 9650           | 965.0          | 1312.1      |
| 9700           | 970.0          | 1318.9      |
| 9750           | 975.0          | 1325.7      |
| 9800           | 980.0          | 1332.5      |
| 9850           | 985.0          | 1339.3      |
| 9900           | 990.0          | 1346.1      |
| 9950           | 995.0          | 1352.9      |
| 10000          | 1000.0         | 1359.7      |



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.