



Pro Torque Wrench Instruction Manual



To Set Torque

1. Locate the locking ring on the torque wrench handle.
2. Unlock adjustable handle by pulling the locking ring to the unlock position towards the end of the wrench.
3. Turn adjustable handle to desired setting. The Pedro's Pro Torque Wrench will apply 53-266 inch-pounds or 61-306 kg-cm. **The handle will become harder to turn as the torque setting is increased. This is part of the normal operation of the wrench.**
4. Push locking ring to locked position to lock desired setting.

To Apply Torque

1. Set ratchet lever for desired direction of rotation.
2. Install proper socket or attachment to square drive.
3. Place socket or attachment firmly and squarely on fastener to be tightened.
4. Tighten fastener to desired torque by smoothly applying pressure to wrench handle only until a click is felt or heard in the wrench. This is caused by the wrench head pivoting as the desired torque is reached. **Do not continue to apply force after desired torque is reached, as this may damage the fastener or wrench.**
5. Release pressure on wrench to reset for next use.

Wrench Storage

After use, unlock adjustable handle and return wrench to lowest torque setting to remove tension from the internal mechanism. Before first use, or after extended storage, adjust wrench to highest torque setting and operate click mechanism 5-10 times to redistribute the factory applied lubricant oil to the internal mechanism. Wrench may be wiped clean with a cloth. Do not use solvents, or attempt to lubricate the mechanism of the wrench. The wrench is factory lubricated for optimum operation.

Usage Tips

1. Always follow available manufacturer's specifications for fastener torque settings.
2. Do not use your torque wrench to loosen fasteners that have been tightened using standard tools. Since the torque of the fastener is unknown, you risk damaging the torque wrench through overloading.
3. Torque wrench is accurate within +/- 4 % but, all torque wrenches lose accuracy with use. Recommended calibration interval is 3 months with heavy (daily) usage.
4. Torque specifications are dependent on lubrication of the fastener. Check with component manufacturer if it is unclear if fastener is supposed to be lubricated.

Ratcheting head

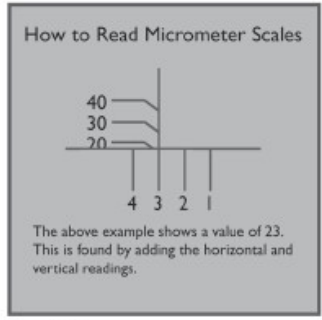
Ratchet lever

Torque adjustment scale

Adjustable handle

Torque Conversion Chart

| N-m | kg-cm | ft-lbs | in-lbs |
|-----|-------|--------|--------|
| 1 | 10 | 0.7 | 9 |
| 2 | 20 | 1.5 | 18 |
| 3 | 31 | 2.2 | 27 |
| 4 | 41 | 3.0 | 35 |
| 5 | 51 | 3.7 | 44 |
| 6 | 61 | 4.4 | 53 |
| 7 | 71 | 5.2 | 62 |
| 8 | 82 | 5.9 | 71 |
| 9 | 92 | 6.6 | 80 |
| 10 | 102 | 7.4 | 89 |
| 11 | 112 | 8.1 | 97 |
| 12 | 122 | 8.9 | 106 |
| 13 | 133 | 9.6 | 115 |
| 14 | 143 | 10.3 | 124 |
| 15 | 153 | 11.1 | 133 |
| 16 | 163 | 11.8 | 142 |
| 17 | 173 | 12.5 | 150 |
| 18 | 184 | 13.3 | 159 |
| 19 | 194 | 14.0 | 168 |
| 20 | 204 | 14.8 | 177 |
| 21 | 214 | 15.5 | 186 |
| 22 | 224 | 16.2 | 195 |
| 23 | 235 | 17.0 | 204 |
| 24 | 245 | 17.7 | 212 |
| 25 | 255 | 18.4 | 221 |
| 26 | 265 | 19.2 | 230 |
| 27 | 276 | 19.9 | 239 |
| 28 | 286 | 20.7 | 248 |
| 29 | 296 | 21.4 | 257 |
| 30 | 306 | 22.1 | 266 |
| 31 | 316 | 22.9 | 274 |
| 32 | 327 | 23.6 | 283 |
| 33 | 337 | 24.3 | 292 |
| 34 | 347 | 25.1 | 301 |
| 35 | 357 | 25.8 | 310 |
| 36 | 367 | 26.6 | 319 |
| 37 | 378 | 27.3 | 328 |
| 38 | 388 | 28.0 | 336 |
| 39 | 398 | 28.8 | 345 |
| 40 | 408 | 29.5 | 354 |
| 41 | 418 | 30.2 | 363 |
| 42 | 429 | 31.0 | 372 |
| 43 | 439 | 31.7 | 381 |
| 44 | 449 | 32.5 | 389 |
| 45 | 459 | 33.2 | 398 |
| 46 | 469 | 33.9 | 407 |
| 47 | 480 | 34.7 | 416 |
| 48 | 490 | 35.4 | 425 |
| 49 | 500 | 36.1 | 434 |
| 50 | 510 | 36.9 | 443 |
| 51 | 520 | 37.6 | 451 |
| 52 | 531 | 38.4 | 460 |
| 53 | 541 | 39.1 | 469 |
| 54 | 551 | 39.8 | 478 |
| 55 | 561 | 40.6 | 487 |
| 56 | 571 | 41.3 | 496 |
| 57 | 582 | 42.0 | 505 |
| 58 | 592 | 42.8 | 513 |
| 59 | 602 | 43.5 | 522 |
| 60 | 612 | 44.3 | 531 |
| 61 | 622 | 45.0 | 540 |
| 62 | 633 | 45.7 | 549 |
| 63 | 643 | 46.5 | 558 |
| 64 | 653 | 47.2 | 567 |
| 65 | 663 | 47.9 | 575 |
| 66 | 673 | 48.7 | 584 |
| 67 | 684 | 49.4 | 593 |
| 68 | 694 | 50.2 | 602 |
| 69 | 704 | 50.9 | 611 |
| 70 | 714 | 51.6 | 620 |



Locking ring