

Bolt Torque Specifications

Genesis typically uses dry torque measurements.

Prior to using the chart below, clean all bolt holes, bolts and nuts to remove dirt, grease and oil. See the Visual Reference below or the specific product's Parts Manual to identify bolt type.

Never re-torque bolts that use Loctite. If a bolt becomes loose or damaged after the initial use when Loctite was applied and the bolt was torqued, the bolt must be replaced.

Never break tightened bolts loose with a torque wrench. Doing so may break the torque wrench or take it out of calibration.

Torque wrenches should be calibrated on an annual basis.

When using a torque multiplier with a torque wrench, incorrect settings will be multiplied by the ratio of the torque wrench.

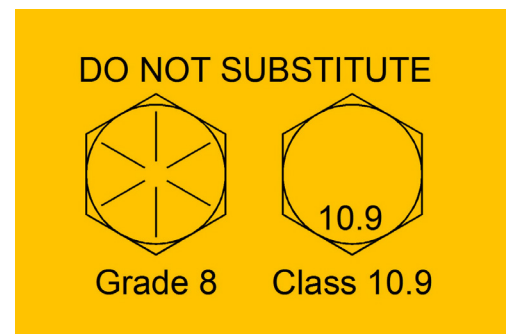
Never use an air wrench on a torque multiplier.

| Dry Torque Values | | | | | |
|-------------------|--------------|----------|-------|-----------|-------|
| | | Hex Head | | Flat Head | |
| Fastener Grade | Size x Pitch | Nm | Ft-lb | Nm | Ft-lb |
| CL 10.9 | M8 x 1.25 | 36 | 27 | 29 | 22 |
| | M10 x 1.50 | 72 | 53 | 58 | 42 |
| | M12 x 1.75 | 125 | 92 | 100 | 74 |
| | M14 x 1.50 | 210 | 154 | 168 | 123 |
| | M14 x 2.00 | 200 | 148 | 160 | 118 |
| | M16 x 2.00 | 313 | 230 | 250 | 184 |
| | M20 x 1.50 | 640 | 472 | 512 | 378 |
| | M20 x 2.50 | 610 | 450 | 488 | 360 |
| | M24 x 3.00 | 1055 | 778 | 844 | 622 |
| | M27 x 3.00 | 1543 | 1138 | 1234 | 910 |
| | M30 x 3.50 | 2095 | 1545 | 1676 | 1236 |
| 8 | 1/2-13 | 145 | 107 | 116 | 86 |
| | 1/2-20 | 163 | 120 | 130 | 96 |
| | 5/8-11 | 286 | 211 | 229 | 169 |
| | 3/4-10 | 510 | 376 | 408 | 301 |
| | 7/8-9 | 822 | 606 | 658 | 485 |
| | 1.00-8 | 1220 | 900 | 976 | 720 |
| | 1.00-14 | 1345 | 992 | 1076 | 794 |
| | 1.25-7 | 2464 | 1817 | 1971 | 1454 |
| | 1.50-6 | 4280 | 3160 | 3424 | 2528 |
| L9 | 1.00-8 | 1152 | 850 | 922 | 680 |

| Wet Torque Values | | | | | |
|-------------------|--------------|----------|-------|-----------|-------|
| | | Hex Head | | Flat Head | |
| Fastener Grade | Size x Pitch | Nm | Ft-lb | Nm | Ft-lb |
| CL 10.9 | M20 x 2.50 | 458 | 338 | 366 | 270 |
| | M24 x 3.00 | 790 | 583 | 632 | 466 |
| | M27 x 3.00 | 1157 | 850 | 926 | 680 |
| | M30 x 3.50 | 1572 | 1160 | 1258 | 928 |
| 8 | 3/4-10 | 383 | 282 | 306 | 226 |
| | 7/8-9 | 617 | 455 | 494 | 364 |
| | 1.00-8 | 916 | 675 | 733 | 540 |
| | 1.25-7 | 1847 | 1362 | 1478 | 1090 |
| | 1.50-12 | 4067 | 3000 | 3254 | 2400 |

Apply grease or anti-seize on threads and under bolt heads

Visual Reference



This document is a quick reference only. It does not replace the product safety and operator's manuals, which must be followed by all operators and maintenance personnel.