



Hexagon Bolt and Nut Sizes

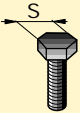
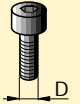
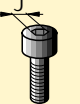


Determine the maximum torque according to the bolt (nut) size and grade. Always consult the manufacturers instructions or engineering recommendations when making bolted connections.



IMPORTANT

The hexagon sizes shown in the tables below should be used as a guide only. Individual sizes should be checked before specifying any equipment.

| METRIC SIZES | | |
|---|---|---|
|  |  |  |
| Hexagon Size S (mm) | Thread Size D (mm) | Hexagon Size J (mm) |
| 17 | M 10 | 8 |
| 19 | M 12 | 10 |
| 22 | M 14 | 12 |
| 24 | M 16 | 14 |
| 27 | M 18 | 14 |
| 30 | M 20 | 17 |
| 32 | M 22 | 17 |
| 36 | M 24 | 19 |
| 41 | M 27 | 19 |
| 46 | M 30 | 22 |
| 50 | M 33 | 24 |
| 55 | M 36 | 27 |
| 60 | M 39 | 27 (30) |
| 65 | M 42 | 32 |
| 70 | M 45 | - |
| 75 | M 48 | 36 |
| 80 | M 52 | 36 |
| 85 | M 56 | 41 |
| 90 | M 60 | 46 |
| 95 | M 64 | 46 |
| 100 | M 68 | 50 |
| 105 | M 72 | 55 |
| 110 | M 76 | 60 |
| 115 | M 80 | 65 |
| 120 | M 85 | 70 |
| 130 | M 90 | 70 (75) |
| 135 | M 95 | - |
| 145 | M 100 | 85 |
| 150 | M 105 | - |
| 155 | M 110 | - |
| 165 | M 115 | - |
| 170 | M 120 | - |
| 180 | M 125 | - |
| 185 | M 130 | - |
| 200 | M 140 | - |
| 210 | M 150 | - |

| IMPERIAL SIZES | | |
|---|---|--|
|  |  |  |
| Hexagon Size S (inch) | Thread Size D (inch) | Hexagon Size J (inch) |
| 1 ¹ / ₁₆ " | 5/8" | 1/2" |
| 1 ¹ / ₄ " | 3/4" | 5/8" |
| 1 ⁷ / ₁₆ " | 7/8" | 3/4" |
| 1 ⁵ / ₈ " | 1" | 3/4" |
| 1 ¹³ / ₁₆ " | 1 ¹ / ₈ " | 7/8" |
| 2" | 1 ¹ / ₄ " | 7/8" |
| 2 ³ / ₁₆ " | 1 ³ / ₈ " | 1" |
| 2 ³ / ₈ " | 1 ¹ / ₂ " | 1" |
| 2 ⁹ / ₁₆ " | 1 ⁵ / ₈ " | - |
| 2 ³ / ₄ " | 1 ³ / ₄ " | 1 ¹ / ₄ " |
| 2 ¹⁵ / ₁₆ " | 1 ⁷ / ₈ " | 1 ³ / ₈ " |
| 3" | 2" | 1 ¹ / ₂ " |
| 3 ¹ / ₈ " | 2" | 1 ⁵ / ₈ " |
| 3 ³ / ₈ " | 2 ¹ / ₄ " | 1 ³ / ₄ " |
| 3 ¹ / ₂ " | 2 ¹ / ₄ " | 1 ³ / ₄ " |
| 3 ³ / ₄ " | 2 ¹ / ₂ " | 1 ³ / ₄ " |
| 3 ⁷ / ₈ " | 2 ¹ / ₂ " | 1 ⁷ / ₈ " |
| 4 ¹ / ₈ " | 2 ³ / ₄ " | 2" |
| 4 ¹ / ₄ " | 2 ³ / ₄ " | 2" |
| 4 ⁵ / ₈ " | 3" | 2 ¹ / ₄ " |
| 5" | 3 ¹ / ₄ " | 2 ¹ / ₄ " |



Visit the **Products** section of our web site for the pressure and torque charts for Enerpac SQD and HXD series torque wrenches. www.enerpac.com



Use only Heavy Duty Impact Sockets for power driven torquing equipment, according to ISO 2725 and ISO 1174; DIN 3129 and DIN 3121 or ASME-B107.2/1995.



Always check that the gauge template on the pump matches the torque wrench for accurate torque settings.