






| Head Marking | Grade & Material | Size Range (inches) | Mechanical Properties | | |
|--|--|---------------------|-----------------------|-------------------------------|--|
| | | | Proof Load(psi) | Min. Yield Strength (psi) | Min. Tensile Strength (psi) |
| US BOLTS | | | | | |
|  No Markings | Grade 2 Low or Medium Carbon Steel | 1/4" - 3/4" | 55,000 | 57,000 | 74,000 |
| | | Above 3/4" - 1 1/2" | 33,000 | 36,000 | 60,000 |
|  3 Radial Lines | Grade 5 Medium Carbon Steel | 1/4" - 1" | 85,000 | 92,000 | 120,000 |
| | | Above 1" - 1 1/2" | 74,000 | 81,000 | 105,000 |
|  6 Radial Lines | Grade 8 Medium Carbon Steel | 1/4" - 1 1/2" | 120,000 | 130,000 | 150,000 |
| Stainless Steel Markings Vary | 18-8 Stainless Steel Alloy with 17-19% Chromium & 8-13% Nickel | Up to 1" | - | 20,000 Min. 65,000 Typical | 65,000 Min. 100,000 - 150,000 Typical |
| <p>Proof Load: The greatest load the product must withstand without straining the piece beyond the elastic limit.</p> <p>Yield Strength: The stress at which a material begins to deform plastically.</p> <p>Tensile Strength: Maximum stress a material can withstand while being pulled before failing or breaking.</p> | | | | | |

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