| Head Marking | Bolt Grade | Material | Hardness Min/Max | Mechanical Properties | | |
|---|---|---|---|---|---|---|
| | | | | Proof Load (MPa) | Min. Tensile Strength (MPa) | Min. Yield Strength (MPa) |
| | **Class 4.6** | Low or medium carbon steel | HRB-67 / HRB-95 | 220 | 400 (58,000 psi) | 240 |
| | **Class 5.8** | Low or medium carbon steel, quenched and tempered | HRB-82 / HRB-95 | 380 | 520 (75,000 psi) | 420 |
| | **Class 8.8** | Medium carbon steel, quenched and tempered | HRC-22 / HRC-34 | 600 | 830 (120,000 psi) | 640 |
| | **Class 10.9** | Alloy steel, quenched and tempered | HRC-32 / HRC-39 | 830 | 1040 (150,000 psi) | 940 |
| | **Class 12.9** | Alloy steel, quenched and tempered | HRC-39 / HRC-44 | 970 | 1220 (176,000 psi) | 1220 |
| | **A2 & A4 Stainless** | Steel alloy with chromium and nickel | | N/A | 500 Min700 Typical | 210 Min450 Typical |

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