

Lightning Bolt Stocks an Extremely Large Variety of Grade 8 Bolts

Grade 8 Bolt



Baton Rouge, Sep 23, 2018 (Issuewire.com) - As the state's largest fastener manufacturer, Lightning Bolt has you covered when the task calls for a Grade 8 bolts regardless if you need a small box or a full truck-load. Per SAE-J429 specification, many don't understand that fasteners are a highly engineered product. Grade 8 fasteners are considered hi-strength / high-tensile fasteners and are used in many highly industrial applications such as machinery, valves, pumps, vessels, motors, tractors, and even tanks... Although it may seem like a bolt is a bolt, there are significant differences in how each bolt is manufactured. Smaller diameter grade 8 bolts are cold headed from long spools of wire, where larger bolts are hot forged from billets.

Technically, grade 8 items are most commonly sold as hex cap screws under the SAE J-429 specification, although many people just call them to grade 8 "bolts". The difference between a gr8 bolt and gr8 hex cap screw is technical "tolerance", in which hex cap screws have a tighter tolerance. It should be noted that grade 8 nuts are designed to mate with grade 8 cap screws/bolts.

As complex mechanically-engineered hardware, hex bolts are given grades as a way to determine their level of strength. It is important to know what type of bolt grade to use by deciding how much strength is required for the job it is meant to hold. Many use the term grade 8 bolts and grade 8 hex cap screws interchangeably, but there is a big difference... tolerance. Grade 8 hex cap screws are made to a much higher precision than grade 8 bolts.

Grade 8 bolts are designated as a 150 ksi. This means its tensile strength or the resistance it has before it is subject to breaking under tension is equal to 150,000 lbs. per square inch. In comparison, a Grade 5 bolt is weaker as its tensile is 120 ksi, placing it at 120,000 lbs. per square inch in tensile strength.

There is also a difference in the core Rockwell hardness between Grade 8 and Grade 5 bolts. Grade 8 typically has a core Rockwell hardness of C33-C39, while Grade 5 has a core Rockwell hardness of C25-C34.

About The Author:-

<http://lightningboltandsupply.com/grade-8-bolts.html> Grade 8 bolts have 6 marks on the head. A grade 8 bolt is stronger than the more commonly used grade 5. Call today for more information or bulk pricing.

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Grade 8 Bolt

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