



**STOCK UP FOR  
WINTER ON**

# **PLOW BOLTS**

- ◆ Plow bolts are heavy duty threaded fasteners used for fastening in oversized equipment such as farm machinery.
- ◆ The bolt usually has a thread size and length, head height and width or diameter specified, as well as a system of measurement.
- ◆ Different neck and head styles are used - dependable on the characteristics required.
- ◆ Most plow bolts have an angle that accommodates countersunk holes.
- ◆ They are also referred to as *plough bolts* and are generally made from high-strength steel.
- ◆ Steel is specified in numerical grades if in inches or in numerical class if metric to specify chemical composition and performance characteristics of the material.
- ◆ May also include a finish, such as zinc plating, to provide some level of corrosion protection.



**We carry Grade 8 USS plain, Dome Head,  
150000psi minimum, SAE J429 in  
1/2-13, 5/8-11, and 3/4-10 diameters.**

**Contact Customer Service or your  
Sales Representative for more info!**



# Carriage Bolts

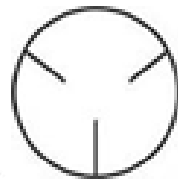


◆ Distinguished from other bolts by its shallow mushroom head and that the shank cross-section of the bolt is circular for most of its length, as usual, but the portion immediately beneath the head is formed into a square section.

◆ It makes the bolt self-locking when placed through a square hole in a metal strap or a round hold in most wood. This allows the fastener to be installed with only a single tool, a spanner or wrench, working from one side. The head of the carriage bolt is usually a shallow dome. The squared section is of the same size as the diameter of the bolt shank, with plain unthreaded shank.

◆ Carriage bolts were developed for use through iron strengthening plates on either side of a wooden beam. It is common place though to use them as bare timber, the squared section giving enough grip to prevent rotation.

◆ These are extensively used in security fixings, such as the Brenton Bolt where the bolt must only be removable from one side. The smooth domed head and square nut below prevent the carriage bolt from being unlocked from the insecure side.



**We carry Grade 5 USS Zinc Plated Ribbed Neck in 1/4-20, 5/16-18, and 3/8-16 diameters; Grade 5 USS Zinc Plated in 1/4-20, 5/16-18, 3/8-16, 1/2-13 and 5/8-11 diameters; and Grade 8 USS Plain, Full Thread in 1/2-13, 5/8-11 and 3/4-10 diameters.**

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