

B7 Deficiency?

Why High Strength materials

Some customers require high strength parts for their installations, especially for seismic areas.

Newton customers expect high quality. Newton has for many years stocked higher grade materials so that you can be sure you are getting what was ordered. Newton only sells high strength threaded rod or hardware for sizes 3/8" diameter or higher.

How to Tell the Difference

You are able to distinguish between Standard Hardware (grade 2) and Grade 5 hardware by lines designated on the bolt head. Grade 5 has three line running from the Center towards the edge.

Hardware



Standard "Low Carbon" Hardware

- » SAE J429 Grade 2
- » Tensile Strength (Sut) = 74 kPSI





Newton Grade 5 Hardware

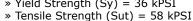
- » SAE J429 Grade 5 (ASTM A449 -- Type 1)
- » Tensile Strength (Sut) = 120 kPSI

Threaded Rod



Unfortunately you are not able to tell visually. That is why the relationship between you and your supplier is critical. Newton acquires only B7 from our suppliers to guarantee you are getting what you paid for.







Newton B7 ASTM A193

- » Yield Strength (Sy) = 105 kPSI (724 MPa)
- » Tensile Strength (Sut) = 125 kPSI (862 MPa)

Are You Getting What You Ordered?



111 East "A" Street Butner, NC 27509 (919) 575-6426 : phone (919) 575-4708 : fax