

# Hex Bolt & Nut Marking Identification



This resource provides clear illustrations of different markings on hex head bolts and nuts. The hex head of the bolt or nut will often contain different markings from the manufacturer which gives information on the different grades and classes of steel that the bolts are made from. The sheet contains markings for both imperial and metric bolts.

## Hex Bolt

### Metric



**MM** = Manufacturers Marking  
**4.6** = Mild Steel  
**4.8** = Mild Steel  
**8.8** = High Tensile (Class 8)  
**10.9** = High Tensile (Class 10)

### Imperial



**MM** = Manufacturers Marking  
**3 Lines** = Grade 5



**MM** = Manufacturers Marking  
**6 Lines** = Grade 8

## Hex Nut

### Metric



**MM** = Manufacturers Marking

Tensile Ratings:  
 |5| = Class 5  
 |8| = Class 8  
 |10| = Class 10

### Imperial Grade 5



Marking Type A

- | = Reference Point (at 12 o'clock position)
- = Tensile Marking = Grade 5 (at 4 o'clock position)

**MM** = Manufacturers Marking (at 8 o'clock position)



Marking Type B

**MM** = Manufacturers Marking

Tensile Rating:  
**3 Lines** = Grade 5

### Imperial Grade 8



Marking Type A

- | = Reference Point (at 12 o'clock position)
- = Tensile Marking = Grade 8 (at 2 o'clock position)

**MM** = Manufacturers Marking (at 8 o'clock position)



Marking Type B

**MM** = Manufacturers Marking

Tensile Rating:  
**6 Lines** = Grade 8

① The data provided in this document is for general guidance only and should not be solely relied upon when working to stringent specifications. We recommend consulting with qualified experts regarding any technical queries. This information may change without written notice.