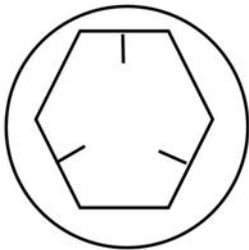


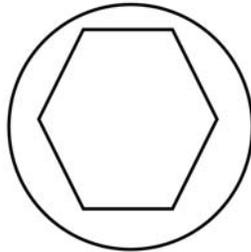
\*\*\*\*THIS IS A NEW APPENDIX - PLEASE READ CAREFULLY.\*\*\*\*

**GRADE IDENTIFICATION AND  
BOLT TENSIONING REQUIREMENTS**

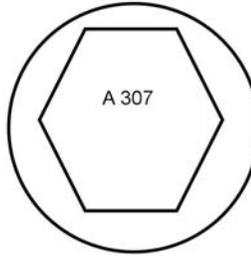
**STRUCRAL BOLTS**



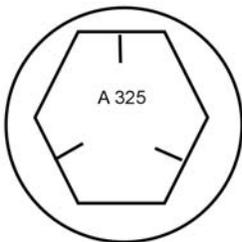
ASTM A 449  
Type I  
SAE J 429  
Grade 5



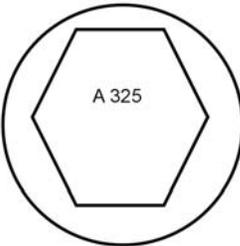
ASTM A 449  
SAE J 429  
Grade 2



ASTM A 307  
Grade 2

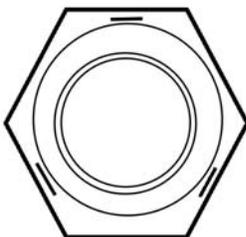


ASTM A 325  
Type I

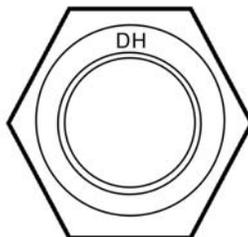


ASTM A 325  
Type III

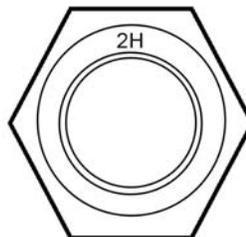
**HEAVY HEX NUTS**



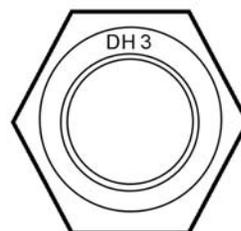
ASTM A 563  
Grade C



ASTM A 563  
Grade DH



ASTM A 194  
Grade 2H



ASTM A 563  
Type III  
Grade DH 3