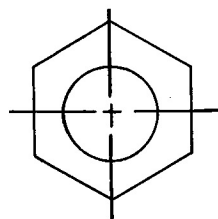
5/8" ϕ CARRIAGE BOLT

L	Thread length
1-1/2"	Full length thread
3"	1-1/2" min. thread length
11"	1-3/4" min. thread length
13"	1-3/4" min. thread length

5/8" ϕ HEX NUT

SPECIFICATIONS

Bolts shall conform to the requirements of A.S.T.M. A307 and nuts to the requirements of A.S.T.M. A563, Grade A or better, and be galvanized in accordance with A.S.T.M. A153 except when corrosion resistant steel bolts are requested in which case bolts and nuts shall be made of steel having an atmospheric corrosion resistance approximately two times that of carbon structural steel with copper and shall not be galvanized. Corrosion resistant bolts and nuts shall conform to or exceed the mechanical requirements of A.S.T.M. A307 and A563, Grade A, respectively.

Bolts shall be round head square neck or short square neck (carriage) bolts conforming to A.N.S.I. B18.5. Nuts shall be of the hex or heavy hex types.

INTENDED USE

1. (1-1/2 inch length). This bolt is a splice bolt for the channel rub rail elements used in the standard "W" Beam Guardrail and "W" Beam Median Barrier systems (G4, MB4, and MB4B).
2. (3-inch length). This bolt is for fastening channel rub rail elements to steel posts in the standard "W" Beam Guardrail and "W" Beam Median Barrier systems (G4, MB4, and MB4B).
3. (11-inch length). This bolt is for fastening channel rub rail elements to wood or concrete posts in the standard "W" Beam Guardrail system (G4).
4. (13-inch length). This bolt is for fastening channel rub rail elements to wood or concrete posts in the standard "W" Beam Median Barrier system (MB4).

Note: For required washers see F-13-73.

5/8" CARRIAGE BOLT AND NUT

HM-TF-13

STANDARD

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