

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

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SPECIFICATION FOR ANTI-THEFT SIGN BOLT SYSTEM

1. DESCRIPTION

This specification covers the requirements for furnishing 5/16-inch x 2.5-inch and 5/16-inch x 3-inch steel carriage bolts with anti-theft nuts for attaching traffic signs to posts.

2. GENERAL REQUIREMENTS

2.1 Bolts. ASTM-A307, Grade A, 5/16-inch x 2.5-inch and 5/16-inch x 3-inch carriage bolts with minimum 1 1/16-inch diameter round head with square neck; 5/16-18 UNC threads to within 1-inch of head; cadmium or zinc Type 1 finish.

2.2 Nuts. 1-inch square pyramidal-shaped nuts with all four sides sloping at an angle of 41 degrees; 5/16-18 UNC threads; C-1010 cold-rolled steel case hardened to Rockwell hardness of 55 to 60; with 0.002 - 0.005 inch thick zinc with yellow chromate coating.

3. PACKAGING

100 bolts and nuts per box, clearly labeled on at least one end of box.



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