

**ENGINEERING & STANDARDS DEPARTMENT**

693A Spanish Town Road, Kingston 11  
Tel. 733-6171 or 937-9320


**T & D MATERIAL PURCHASING SPECIFICATION**

<b>JPS SPECIFICATION: M/Bolt – 5/8 x 14-2022</b>	<b>DATE: July 11, 2022</b>
<b>ITEM STOCK: 020802013010</b>	<b>SUPERSEDES: May 30, 2012</b>

**DESCRIPTION:** Bolt, Machine, Hot dipped galvanized, Size 5/8” x 14” (16mm x 356mm), Thread length: 6”

**APPLICATION:** To be used on utility poles, crossarms and other structures.

**SPECIFICATION**

<p><b>Bolt, Machine, Hot dipped galvanized, Size 5/8” x 14” (16mm x 356mm), Thread length: 6”; To be used on utility poles, crossarms and other structures.</b></p> <p>The machine bolt shall be fabricated from steel, and hot dipped galvanized per ASTM A-153 standard. The bolt shall be made with a square head, cone point to ease driving the bolt without damaging the threads and assembled with one (1) square nut.</p> <p>The bolt shall have diameter of 5/8” (16mm) and overall length of 14” (356mm). The square head shall have dimensions of 15/16” (23.8mm) width and 7/16” (11.1mm) height. The bolt shall have a 5/8”-11UNC-2A thread with length of approximately 6”. The bolt shall have a minimum tensile strength of 12,400lbs (55.2kN). The machine bolt shall be RUS listed.</p> <p>The machine bolt shall be manufactured accordingly to present day manufacturing processes and shall meet or exceed all applicable ANSI/IEEE C135.1 standards.</p>	
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The Machine Bolt shall be similar to Hubbell Power Systems Cat # 8814 or approved equal

<p align="center"><b>Prepared By:</b></p> <p align="center"><i>K. Robinson</i> Jul-13-2022</p> <p align="center"><b>Kimberly Robinson</b> Standards Engineer Engineering Standards and Testing Services</p>	<p align="center"><b>Reviewed By:</b></p> <p align="center"><i>U. Tobin</i> Jul-15-2022</p> <p align="center"><b>Uton Tobin</b> Specialist Standards Engineer Engineering and Standards</p>	<p align="center"><b>Approved By:</b></p> <p align="center"><i>Osawaki</i> Jul-15-2022</p> <p align="center"><b>Osawaki Wickham</b> HOD Engineering and Standards</p>
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