PART 1 - GENERAL............................................................................................................................. 1
  1.01  REQUIREMENT .......................................................................................................................... 1
  1.02  USE OF ZINC CAPS FOR BURIED PIPE ................................................................................. 1
PART 1 - GENERAL

1.01 REQUIREMENT
Bolts and nuts for flanged fittings shall be bare steel conforming to SAE J429 Grade 5 or ASTM A449 medium carbon steel quenched and tempered meeting the following requirements, and shall have hex heads and lite-pattern hex nuts.

\[ \frac{3}{4}'' \text{ Through } 1'' \text{ diameter} \]

85,000 p.s.i. proof strength
92,000 p.s.i. yield strength
120,000 p.s.i. tensile strength

\[ \text{Over } 1'' \text{ to } 1\frac{1}{2}'' \text{ diameter} \]

74,000 p.s.i. proof strength
81,000 p.s.i. yield strength
105,000 p.s.i. tensile strength

1.02 USE OF ZINC CAPS FOR BURIED PIPE
Each bolted fitting including couplings, flange adapters, restrained joints, etc. that have manufactured bolts and nuts shall have a minimum of 2 zinc caps anodes as specified below.

Bolt sizes and number of zinc caps:

through 1" diameter - 2 zinc caps
over 1" diameter - 4 zinc caps

Weight of zinc caps:

Zinc caps to be 6 oz. weight.

Material reference:

Zinc caps shall be per ASTM B418-80 and Mil-A-18001J, and be manufactured by Mars, Reliance, or equal.

END OF SECTION 15089