

Materials Specification – 30 for BOLTED SLEEVE TYPE COUPLINGS

1. GENERAL:

Pipe couplings shall be manufactured in accordance with AWWA C219. They shall be a gasketed, sleeve type, with a diameter that properly fits the pipe. Each coupling shall consist of one center sleeve, two end rings, two rubber-compounded wedge section gaskets and sufficient bolts to compress the gaskets.

The manufacturer of the couplings shall be experienced in their design and construction, regularly engaged in their manufacture and have produced couplings of the sizes specified herein, that have performed successfully in service for at least 5 years.

2. SERVICE:

Couplings will be installed on the following types of pipe: Cast Iron, Ductile Iron, Asbestos-Cement, and Polyvinyl Chloride (PVC). The manufacturer shall state in writing that the coupling is sufficient for the types of pipe that are being joined.

3. MATERIAL:

The couplings shall be manufactured from cast iron or ductile iron and shall conform to applicable ASTM designations. Cast iron: ASTM A48 or ASTM A126, Class B. Ductile iron: ASTM A536; any malleable iron shall conform to ASTM A47.

4. GASKETS:

The gaskets of the coupling shall be composed of a crude or synthetic rubber base that is compounded with other products in order to produce a material that will not deteriorate from age, heat or exposure to air under normal storage conditions. It shall also possess the quality of resilience and the ability to resist cold flow of the material so that the joint will remain sealed and tight indefinitely when subjected to shock, vibration, pulsation and temperature or adjustments of the pipeline.

5. BOLTS:

Bolts and heavy hex nuts shall be stainless steel as known in the industry as Cor-ten, Usalloy or Durabolt. The manufacturer shall supply information as to the recommended torque to which the bolts shall be tightened.

6. ACCEPTABLE MANUFACTURERS:

Smith-Blair	Model 411
Dresser	Model 138-38
Romac	Model XR501
Ford	Style FC1
Power Seal	Model 3506 (Powermax)

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