

## Materials Specification – 30 for BOLTED SLEEVE-TYPE COUPLINGS

**1. GENERAL**

Bolted sleeve-type couplings shall be manufactured in accordance with AWWA C219 with the following additional requirements or exceptions.

**2. SERVICE**

Bolted sleeve-type couplings may be installed on CI, DI, and PVC pipe.

Components in contact with potable water shall be certified to comply with NSF/ANSI 61. Components shall also be suitable for exposure to chloraminated water.

**3. SIZE OF COUPLING**

This Specification covers bolted sleeve-type couplings in 3 through 20-inch nominal diameters.

**4. COATING**

End rings and the center sleeve shall be coated in accordance with AWWA C210 or C213 with a minimum DFT of 12 mils.

**5. BOLTS**

Bolts and heavy hex nuts shall be fabricated from high strength low alloy steel 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. CERTIFICATION**

The manufacturer shall furnish a sworn statement that the inspection and all specified tests have been completed and that results comply with the requirements of these Standards. A copy of the Certification shall be provided to Denver Water.

**7. ACCEPTABLE MANUFACTURERS AND MODELS**

<b>Manufacturers</b>	<b>Models</b>	<b>Sizes (Inches)</b>
Dresser	38 and 138	3 to 20
Ford	Style FC1	3 to 12
Power Seal	3506 (Powermax)	3 to 12
Romac	XR501	4 to 12
Smith-Blair	411	3 to 20

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