

**ROGERS WATER UTILITIES WATER SYSTEM  
ROGERS, ARKANSAS**

**SPECIFICATIONS FOR REPAIR COUPLINGS  
DECEMBER 2004**

1. **SCOPE**

This product specification covers couplings to be used on water mains for nominal pipe sizes of 6 inch, 8 inch, 12 inch, 18 inch and 24 inch through 54 inch. Repair couplings are used in connection of smooth end joints of cast iron, ductile iron, asbestos cement, PVC or other types of pipe. Repair couplings are not allowed for use on new construction.

2. **GENERAL REQUIREMENTS**

- a. Sleeve or center ring shall be a nominal OD size and length specified. Sleeve shall be of ductile iron ASTM A536-80, grade 65-45-12. Ends shall have a smooth inside taper to provide gasket seal.
- b. Sleeve shall have a shop coat of oil-modified urethanes, corrosion-resistant paint, or epoxy coating.
- c. Flanges or end rings shall be of the thickness determined by the coupling size and shall be ductile iron conforming to ASTM A536-80 Grade 65-45-12.
- d. Gaskets shall be compression type, formed with Virgin Styrene Butadiene Rubber (SBR), ASTM D2000 3 BA715 and compounded with ingredients to produce permanence and resistance to set after installation. OD range shall be imprinted/molded on the gasket in permanent ink (minimum).
- e. Bolts and nuts shall be high strength steel conforming to AWWA/ANSI C219/A21.11.
- f. Where specifications states that a cast transition or reducing coupling be used in place of a straight coupling, the sleeve and follower flange shall be of the same manufacturer and compatible for the specific used intended.

3. **QUALITY ASSURANCE**

- a. The Rogers Water Utilities may, at no cost to the manufacturer, subject random repair couplings to testing by an independent laboratory for compliance with these

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standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.

- b. All repair couplings shall be domestically manufactured.

The following manufactures are approved for repair couplings.

**APPROVED STRAIGHT COUPLING MANUFACTURERS LIST**

<u>Manufacturer</u>	<u>Repair Coupling Model</u>
Dresser Piping Specialties	153
JCM Industries, Inc.	212
Romac Industries, Inc.	501
Smith-Blair, Inc.	441
Mueller Company	MSC
Ford Meter Company	FC2A

**APPROVED WIDE RANGE COUPLING MANUFACTURERS LIST**

<u>Manufacturer</u>	<u>Repair Coupling Model</u>
Romac Industries, Inc.	RC501
Smith-Blair, Inc.	R441
Ford Meter Company	FRC