

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

**SPECIFICATIONS FOR REPAIR CLAMPS
DECEMBER 2004**

1. **SCOPE**

This product specification covers single and multiple band full circle clamps to be repair full circumferential breaks, holes, cracks or other damage on cast iron, ductile iron, asbestos cement and other types of pipe. Repair clamps are not an allowed for use on new construction.

2. **GENERAL REQUIREMENTS**

- a. Band or shell shall be of the OD size range and length specified. Band shall be of Type 304 stainless steel.
- b. Lugs shall be of high strength ductile iron per ASTM A536 and securely attached to the band or shell. Each lug shall be designed to allow, "Drop in bolts" and stabilizing "Fingers" to provide maximum torque of the bolts.
- c. Gasket shall provide a 360 degree sealing surfaces and of such size and shape to provide an adequate compressive force against the pipe after assembly to affect a positive seal under all combinations of joint and gasket tolerances. Materials used shall be vulcanized natural or vulcanized synthetic rubber with antioxidant and antiozinant ingredients to resist set after installation. No reclaim rubber shall be used. A heavy gauge Type 304 stainless steel armor plate shall be vulcanized into the gasket to span the lug area.
- d. Bolts shall be of high strength, low alloy steel with semi finished hexagon nuts and washers in accordance with AWWA/ANSI C111/A21.11.
- e. Bolts and lugs shall be designed to be closed on one side.
- f. The repair clamps shall be designed for a minimum working pressure of 200 psi for normal pipe sizes of 12 inch and smaller, a working pressure. Repair clamps shall not be used on pipes sizes of 18 inch and larger.

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3. **QUALITY ASSURANCE**

- a. The Rogers Water Utilities may, at no cost to the manufacturer, subject random repair clamps to testing by an independent laboratory for compliance with these standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.
- b. All repair clamps shall be domestically manufactured.

The following manufactures are approved for repair clamps.

APPROVED MANUFACTURERS LIST

<u>Manufacturer</u>	<u>Repair Clamp Model</u>	<u>Tap Clamp Model</u>
Dresser Piping Specialties	360	360
JCM Industries, Inc.	101,102	103, 133
Romac Industries, Inc.	CL1, CL2, CL3	CL1, CL2, CL3
Smith-Blair, Inc.	226, 227, 228	238, 239
Mueller Company	500 Series	CC504