

C-923– Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes and Laterals. (Key Points)

Section 5.3 – Principles of Design

- Owner shall require that all pipe stubs, for future connectors, be mechanically restrained from movement by, and in addition, to the resilient connector. These pipe stubs can result in a hydrostatic failure of the manhole under high headwater conditions.

Section 6 – Basis of Acceptance

- For diameter 36-inch and smaller, at least one connector shall be tested for each 6-inch increment.
- For diameters larger than 36-inch, at least one connector shall be tested for each 12-inch increment.
- Tests shall include physical properties and hydrostatic tests in straight, axial deflection and shear loads.
- A certification shall be furnished upon request.
- Certification shall consist of the connector manufacturer's test report or a statement by the manufacturer, accompanied by the test result, that the connector has been tested and passed the provisions of this standard.
- Each certification shall be signed by the connector manufacturer.
- Certifications are deemed current if they are no older than 5 years from the date of request.

Section 7.2.1 – Straight Alignment Test

- Hydrostatic test to 13 psi (30-feet) for 10 minutes.

Section 7.2.2 - Axial Deflection Test

- Hydrostatic test with the pipe axially deflected at least 7 degrees subject to a 10 psi (23 feet) pressure for 10 minutes.

Section 7.2.3 – Shear Test

- Hydrostatic test with 150 pounds per inch diameter of loading subject to a 10 psi pressure for 10 minutes. For a 36-inch pipe, this vertical load would be 5400 pounds located 34-inches from the manhole wall.



Press-Seal Gasket Corporation

6932 Gettysburg Pike, Fort Wayne, Indiana 46804
P.O. Box 10482 Fort Wayne, Indiana 46852
Phone: (260) 436-0521 (800) 348-7325 Fax: (260) 436-1908
e-mail: sales@press-seal.com Web: www.press-seal.com