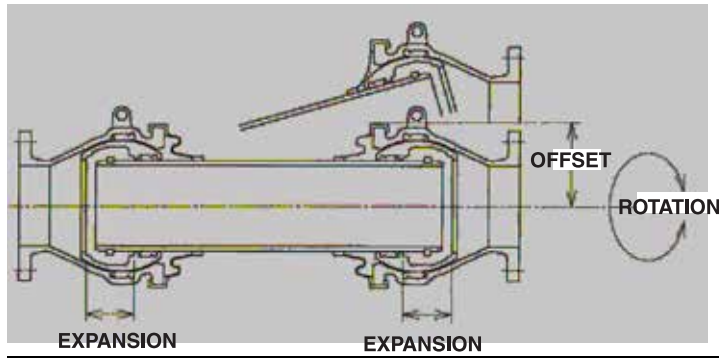


FJ RESTRAINT SAMPLE SPECIFICATION FOR 3 - 12 INCH SIZES



1. Flexible expansion joints shall be installed in the locations indicated on the drawings and shall be manufactured of ductile iron conforming to the material requirements of ASTM A536 and ANSI/AWWA C153/A21.53. Foundry certification of mechanical testing and spectrographic analysis shall be readily available upon request.
2. All surfaces shall be fusion bonded epoxy coating conforming to the applicable requirements of ANSI/AWWA C213, and epoxy coating shall be certified and listed to meet the requirements of NSF Standard 61.
3. Flexible expansion joints shall incorporate integral expansion and contraction in their design, shall provide for continued expansion and contraction in the deflected state, shall be a boltless design and no fasteners will be required for assembly of the expansion joint itself.
4. Rubber sealing rings will be suitable for water and wastewater service, and shall require no maintenance. The rubber sealing ring materials and lubricant shall be certified and listed to meet the requirements of NSF Standard 61.
5. Flexible expansion joints will include removable tie rods to prevent axial movement during shipping, handling and installation.
6. Suitably sized, 8 mil thick polyethylene sleeves shall be provided for direct bury applications. These PE sleeve materials will meet the requirements of ANSI/AWWA C105.
7. Working / Test Pressures: When properly installed the FJ-Restraint can be used at working pressures up to 350 psi.
8. A manufacturer's certification of compliance on the above standards and requirements shall be readily available upon request. The consultant, purchaser or utility owner shall reserve the right to inspect the manufacturer's facility for compliance. All flexible expansion joints shall be FJ RESTRAINT as manufactured by ROMAC Industries, Inc. Bothell, WA., U.S.A.