

SEISMIC GATOR EXPANSION JOINT FOR FIRE SPRINKLER SYSTEMS

OPERATION, INSTALLATION, AND MAINTENANCE INSTRUCTIONS

General: Seismic Gator joints are used to allow pipe movement in the $\pm X$, $\pm Y$, and $\pm Z$ planes of direction.

Application:

1. The Seismic Gator is designed to allow pipe movement in the $\pm X$, $\pm Y$, and $\pm Z$ planes of direction. It is typically installed spanning a building's seismic joint.
2. If the Seismic Gator cannot span the building's seismic separation it should be installed with the closest end fitting not more than 24 – inches from the seismic separation.
3. Location of expansion joints should be reviewed to insure proper operation.

Installation:

1. Inspect joint for shipping damage, insure that the shipping bars are intact.
2. Installation of expansion joint and anchors must be made as close to the design ambient temperature as possible.
3. Do not remove shipping bar before the installation of anchors.
4. Anchors to restrain the hydrostatic end loads should be installed within 24" of the seismic separation or Seismic Gator. Anchors are required on both sides of the seismic separation.

Testing:

1. Joint may be one-time pressure tested to 262.5 PSIG for 175 lb. class joints. Do not exceed maximum pressure or temperature during operation.
2. Metraflex recommends hydrostatic test with all air in the system removed. If an air test is performed, appropriate safety precautions must be made.
3. Do not test until joint is properly anchored. The shipping bar is not designed to restrain the hydrostatic end load that will be developed by the Seismic Gator under pressure.

Precautions:

1. Joint will develop hydrostatic end loads / anchor loads equal to max test pressure multiplied by the effective area, and must be included in anchor load calculations. (see submittal for anchor loads)

Maintenance:

- 1 Seismic Gator expansion joints have no serviceable parts and do not require maintenance.

Contact Metraflex or your local Metraflex Distributor with ANY questions.

CUSTOMER _____ PROJECT _____ ENGINEER _____ ARCHITECT _____ PRO. OR P.O. NO. _____				
	DESCRIPTION: <h3 style="text-align: center;">Seismic Gator Externally Pressurized Expansion Joint</h3> <p style="text-align: center;">Operation, Installation and Maintenance Instructions</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">DRAWING BY: DH</td> <td style="width: 33%;">DATE: 04-28-16</td> <td style="width: 33%;">DRAWING NO. - FM Seismic Gator - OIM</td> </tr> </table>	DRAWING BY: DH	DATE: 04-28-16	DRAWING NO. - FM Seismic Gator - OIM
DRAWING BY: DH	DATE: 04-28-16	DRAWING NO. - FM Seismic Gator - OIM		