



## 101 Rubber Couplings with No Hub Connections for Drainage

### OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

**General:** The Metraflex 101 rubber expansion joint is an elastomeric joint with clamp on no hub ends and steel reinforcing rings. They are designed to isolate vibration, absorb thermal expansion, and allow for minor pipe misalignment. Consult the factory submittal for specific performance specifications. This joint is ideally suited for low pressure drainage applications.

#### Application:

1. 101 joints are designed for use with PVC, Carbon Steel, Stainless Steel, or Ductile Iron pipe. Consult Metraflex if the joint is to be used with different pipe material. Do not over tighten clamps when using PVC pipe.
2. This joint is intended for low pressure drainage applications.

#### Joint Preparation

1. Before installation check the interior, exterior and sealing surface of the joint for cuts or gouges.
2. Care must be used when pushing the joint onto the pipe.
3. It is acceptable (but not necessary) to lubricate the joint with a thin film of graphite dispersed in glycerin or water to ease installation and disassembly.

#### Installation:

1. Install at face to face dimension shown on drawing/catalog. Installation at different lengths or between pipes that are not parallel can lead to failure. Installation tolerance for overall length and misalignment is 1/8"
2. DO NOT use sealing compound between the joint sealing surface and the pipe.
3. Do not paint or insulate the joint, except when Hypalon is applied as a UV protectant.
4. It may be necessary to stretch the ends of the rubber joint before installing onto the pipe.
5. Over tightening of the clamps may damage PVC pipe or the rubber body of this joint.

#### Testing:

Joint may be one-time pressure tested to 1.5 times the product's maximum operating pressure. Do not exceed maximum pressure or temperature during operation.

#### Storage:

Ideal storage is a warehouse with a relatively dry, cool location. Store flange face down on a pallet or wooden platform. Do not store heavy items on top of an expansion joint. Ten year shelf-life can be expected with ideal conditions. If storage must be outdoors joint should be placed on wooden platforms and should not be in contact with the ground. Cover with a tarp to prevent exposure to sunlight/UV rays.

#### Maintenance:

Periodically inspect the joint for damage, cracking or hardening. The 101 joint has no serviceable parts.

**Note:** Some of this information has been taken from the Fluid Sealing Association Handbook on Non-Metallic Expansion Joints.

Contact Metraflex or your local Metraflex Representative with any questions.

