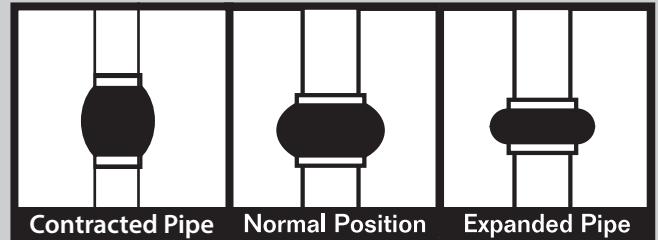


# Expansion Joints

*One piece design for thermal expansion and contraction of vertical pipes above-ground*



## Benefits

- Alternative for DWV offsets
- Commercial and residential applications
- Unique one-piece construction
- No moving parts to malfunction
- Positive positioning internal stops
- Applicable for drain, waste and vent stacks, and rain water conductor systems
- Simplified installation
- Maintenance-free

Part Number	Nominal Pipe Size
XJ-150	1-1/2" (38 mm)
XJ-2	2" (50 mm)
XJ-3	3" (76 mm)
XJ-4	4" (101 mm)

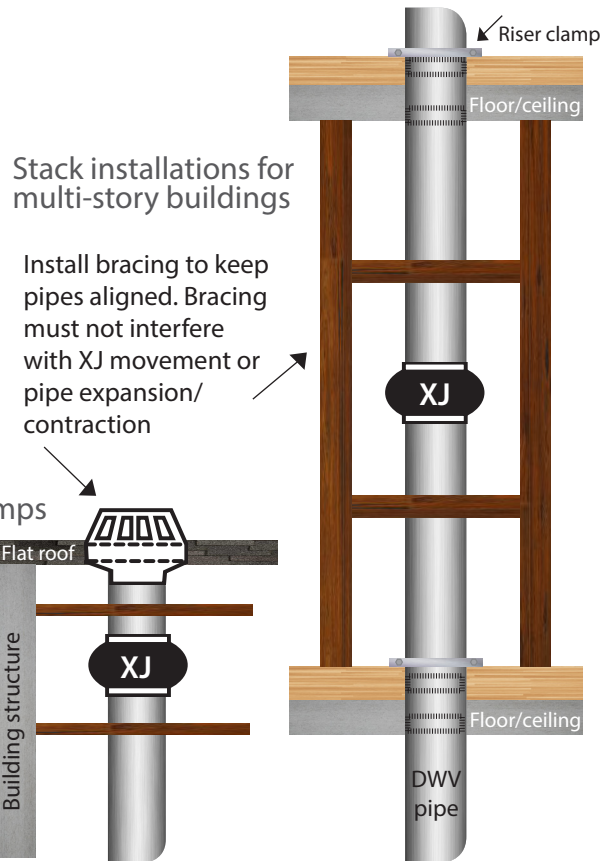
Fernco Expansion Joints will accommodate a maximum of 1 1/2" pipe expansion and 1/2" pipe contraction from a normal position.

Consult pipe manufacturer for plastic pipe expansion and contraction to determine number of expansion joints needed for your specific application.



# Expansion Joints

## Installation



## Instructions

1. Loosen the stainless steel clamps. Do not remove clamps from expansion joint.
2. Insert the pipe ends into the expansion joint to pipe stops. Install in normal position.
3. Tighten clamps to 60 in-lbs. of torque.
4. Pipes must be supported independently of expansion joint to maintain proper alignment.
5. Test for leaks before concealing (maximum 4.3 PSI)

**NOTE:** Temperature must be considered during installation. Extreme hot or cold conditions will cause the pipe to expand or contract as it acclimates. Consult pipe manufacturer for expansion and contraction of plastic pipe to determine the number of expansion joints needed for your specific application

## Specifications

### Gasket

- Hardness, Shore "A", Inst,  $\pm 5$ ..... 65
- Tensile Strength, Min. psi ..... 1000
- Elongation at Rupture, Min. % ..... 250
- Tear Strength, Min. .... 150 lb/in.
- Brittleness Temperature .....  $-40^{\circ}$  F
- Maximum operation temperature:  $+140^{\circ}$  F non-consistent

### Clamps

- Clamp band - 300 stainless steel
- Installation torque of 60" lbs.

