Expansion Joints

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

*4.50"	*4.00"	*2.50"
Contracted Pipe	Normal Position	Expanded Pipe
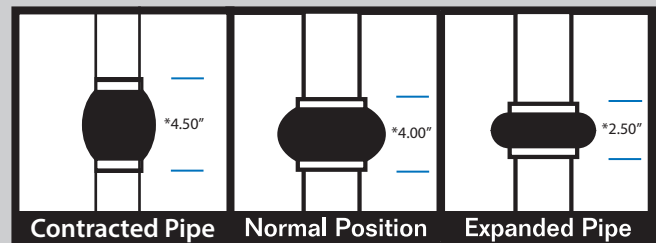
see diagram above

Fernco Expansion Joints will accommodate a maximum of 1 1/2" pipe expansion and 1/2" pipe contraction from a normal position of 4"

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

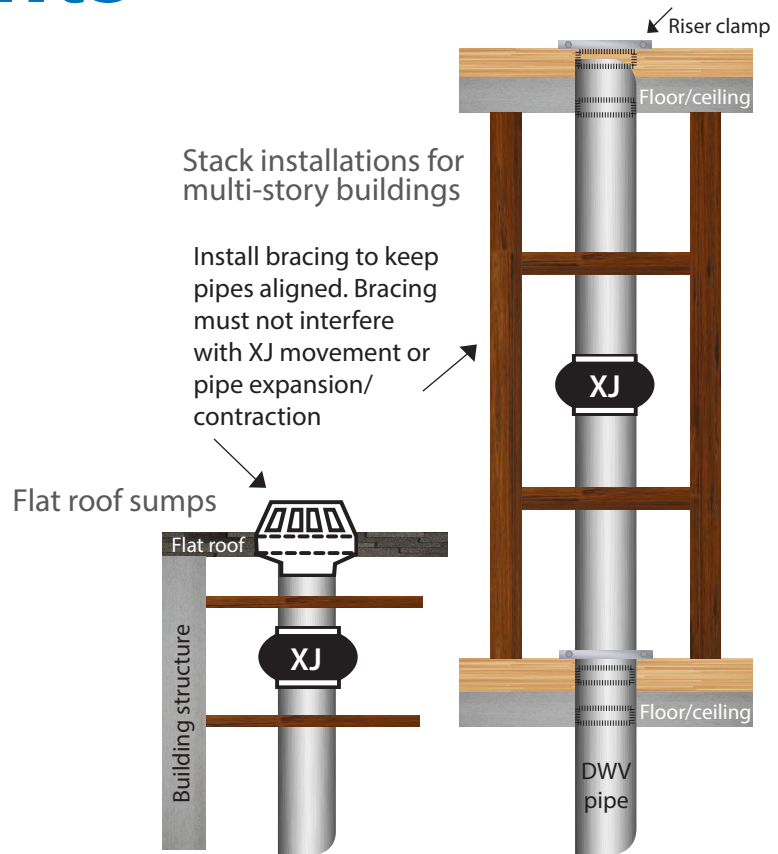| Part Number	Nominal Pipe Size
XJ-150	1-1/2" (38 mm)
XJ-2	2" (50 mm)
XJ-3	3" (76 mm)
XJ-4	4" (101) mm

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

Expansion Joints

Installation

Riser clamp

Floor/ceiling

Stack installations for multi-story buildings

Install bracing to keep pipes aligned. Bracing must not interfere with XJ movement or pipe expansion/contraction

XJ

Flat roof sumps

Flat roof

Building structure

XJ

Floor/ceiling

DWV pipe

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, -+5...... 65
- Tensile Strength, Min. psi 1000
- Elongation at Rupture, Min. % 250
- Tear Strength, Min. ...... 150 lb/in.
- Brittleness Temperature ...... -40⁰ F
- Maximum operation temperature: 140⁰ non-consistent

Clamps

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

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