

# A New Black Flexible Coupling Made For PVC DWV Plumbing Stacks

NEW

## EXPANSION THAT MAKES SENSE



NEUTRAL  
INSTALLATION



PVC  
EXPANSION



PVC  
CONTRACTION

Most engineers use P.E. Thermal Expansion Charts to determine the overall movement of PVC pipe in a multi-story building. If the chart shows 3" movement within a 100 feet of vertical PVC pipe, most engineers would normally select one expansion joint that moves 3" and locate it near the top of the PVC pipe.

The above method does makes sense unless the PVC pipe is a DWV plumbing stack that has branches coming off at every floor. Then the

expansion should then be compensated at every floor or every other floor. Its here where branch pipe breakage could occur without using the right type of expansion fitting. This inexpensive ProVent Expansion Coupling can compensate up to 3/4" when needed. All four story or more apartment/hotel type buildings need this protection for both concrete and more importantly wood structures with a lot of shrinkage should be installed on every floor.



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# ProVent Expansion Joint      Typical ProVent Stack



P35470-D—P45470-D

## Installation Instructions

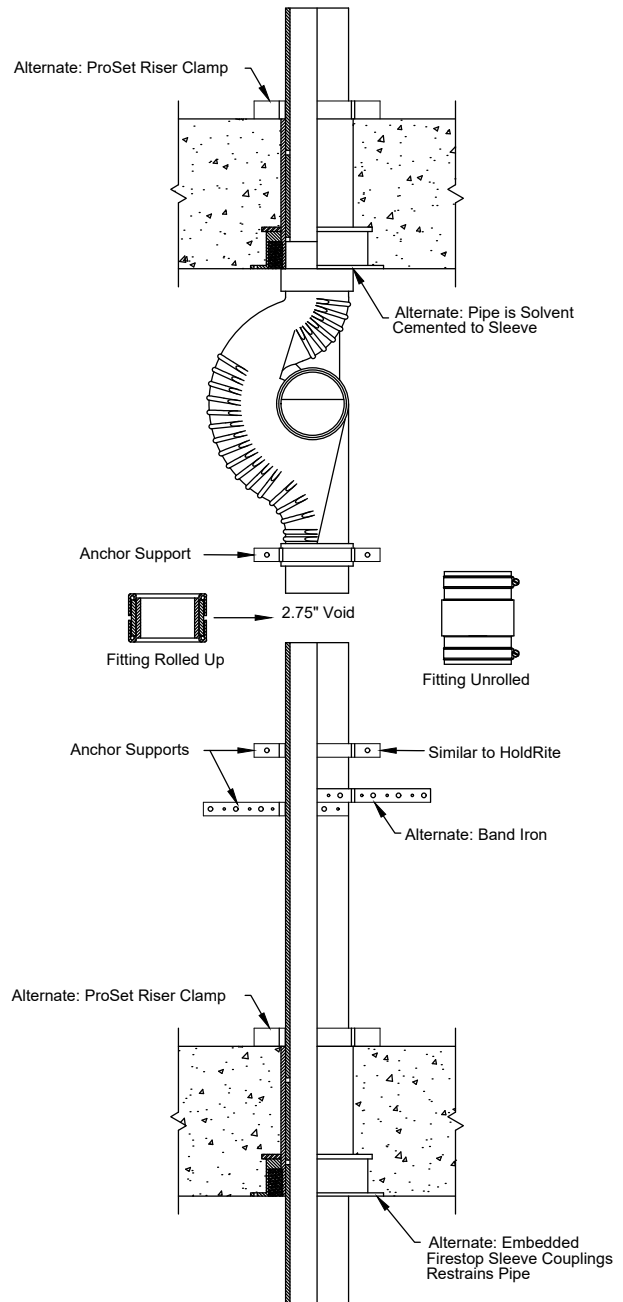
The EZ Flex Mechanical Expansion Coupling is made to fit inside a 2-3/4" open space between the two aligned connecting pipes. The label on the top side of the coupling shows the proper direction of the waste water flow and shows the right side on top to properly install the expansion coupling.

Both ends of the coupling can be rolled down in order to fit inside the 2-3/4" space. The rolled up coupling can then be unrolled back onto the two connecting pipes. Then adjust the coupling equally between the open space then, tighten the two stainless steel clamps using a 60 lb torque wrench.

## Important:

Two anchor points must be used, one above and one below the flex joint to keep both pipes in alignment. Riser clamps must be used on both the top and bottom where the stack passes through the floors. A ProSet # 49 Firestop sleeve coupling can be cast into the concrete floor as an alternative to the riser clamps.

Because of the unknown structural settlements plus normal pipe expansion in wood construction, ProVent recommends using one coupling at every wood floor level. Other locations may be used in wood buildings if approved by a structural engineer or the Building Inspector.



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