

EZ Flex Mechanical Coupling Installation Instructions

The EZ Flex Mechanical Coupling needs an anchor point in order to work as an expansion and contraction device for PVC or ABS DWV stacks. The anchor point can start with the horizontal underground piping, any secured pipe offset, or any 3" or 4" size horizontal branch securely fastened enough to act as an anchor, allowing the flex coupling device to move freely.

The Mechanical Coupling must fit and be installed in-between two connecting PVC stack pipes using an exact 2-1/2" or 2-3/4" space or void in order to provide either 1/2" or 3/4" expansion and contraction in-line movement up or down. Use primer with the dauber to take the gloss off the two PVC pipe ends for a better fit from the pipe to the coupling's flexible hubs.

Roll up the top and bottom flex portions of the coupling onto the rigid middle PVC section and insert the coupling inside the exact 2-1/2" or 2 3/4" space or pipe void.

The two connecting pipes must be in alignment with each other. The pipe under the Mechanical Coupling must be anchored using a vertical support device as shown in the middle of next page.

After inserting the rolled up coupling into the void, roll back the two flex portions on the top and bottom back onto the two connecting pipes.

Before tightening the bands it's very important to adjust the two connecting pipes into the rubber coupling leaving equal spacing on both the top and the bottom pipes.

After adjusting the couplings space equally, tighten the 301 stainless steel bands on both the top and bottom using a 50 lb. or less torque driver.

Recommended Flex Coupling Uses and Locations:Important

Mechanical Flex Couplings can be used to facilitate prefabbed piping into penetrations.

Mechanical Flex Water Tester can be used alternately to water test the stack piping.

The number of Flex Couplings used for expansion can change with the type of construction being used. Recommended spacing of expansion couplings for concrete structures would start at the third floor then continue up every other floor until the second highest floor. Remember the Flex Coupling can only expand or contract up or down a maximum of 3/4" Important:Trying to increase the 3/4" for more expansion or contraction maximum distance could cause damage to the EZ Flex Mechanical Coupling by overloading.

Wood construction should consider both the expansion of plastic piping plus the structural wood settlement that occurs inside the building. Shrinkage in light frame construction can range from 0.05 to 0.5 inch per level. Recommend using one on the first, second & third floors in 3 and 4 stories, then every other floor up to the second highest floor in higher buildings.

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Insert a 2-1/2" gap between the pipes

1.



Insert the rolled up ends into the gap

3.



Tighten up the stainless steel bands

5.



Mid-Vertical pipe support required on connecting pipe.



Roll both flex ends to meet each other

2.



Roll back two ends back onto the pipes

4.



EZ flex joint flexes vertical and horizontal

6.



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