

## Ultra High Movement Expansion Joint Engineered To Absorb Excessive Force

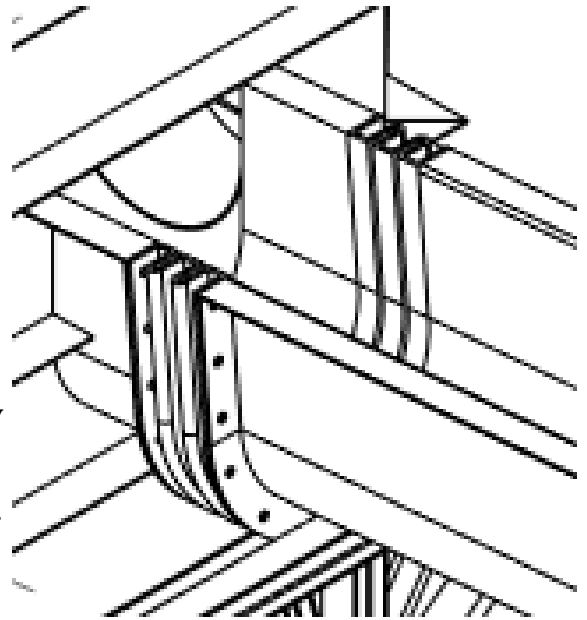
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### **Application:**

FRP (Fiberglass Reinforced Pipe) rubber lined tailings chutes carrying various types of media over distance to a discharge hopper.

### **Problem:**

A Holz Partner Distributor was contacted by a facility that had FRP rubber lined chutes that were cracking and splitting. The fiberglass chutes are used throughout their tailings process. The chutes were showing signs of cracking at the flanges throughout the run, and it was separating at its connection to the discharge hopper.



### **Solution:**

A Holz Rubber expansion joint specialist reviewed all available information regarding application, media, and environment. They found that the movement of components throughout the system, combined with the flow of the media was causing stress and torque to the flanges beyond their specified capabilities. A Holz 952-2 double arch expansion joint with high movement capability was determined to be the best-engineered solution for the application. The Holz 952 design has a low enough spring rate that it would relieve the stress on the flanges by absorbing excessive forces in the system. This solution is sure to provide a longer chute life and less downtime for the end user.