

## Unforeseen Problems After Equipment Upgrade

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### **Application:**

Industrial facilities are subject to constant and dynamic change. For a facility to run reliably, it must adapt to changes in processes, technology, and environmental requirements. These adaptations make it necessary from time to time to replace or reconfigure plant equipment.



### **Problem:**

A Customer came to Holz Rubber shortly after replacing their outdated boiler system and ductwork. They had an old expansion joint that had been part of the old boiler that was not a proper fit for the new ductwork. The breach opening between ducts was shorter than the original design, and the duct was misaligned, causing it to stretch axially and laterally. This misalignment was causing hotspots in the high temp joint material causing the maintenance personnel to doubt the joints' ability to safely function.

### **Solution:**

A Holz Rubber expansion joint product specialist reviewed all of the information available for the entire system, focusing on the problem connection. Holz engineered a fully molded -945-S-W- style arch sleeve flue duct joint to meet the dimension, temperature and movement requirements of the system. When designing and installing any new equipment, it is essential to identify any potential problems in the entire system to ensure all of the components function safely and reliably based on their intended use.