

Hot Air in a Grain Facility

Application:
**Hot Air Ducting Used In The Grain
Processing Industry**



Problem:

A grain processor contacted a Holz distributor to request a new belt-type expansion joint. The current expansion joint had been in service for eight years. The belt was cracked, split, and not sealing well due to age and an offset of the mounting flanges. The installed frame used 90° corners and was not clamped correctly. The sealing issue was causing damage to the inside of the belt and inefficiency in the air system.

Solution:

Our Engineering team reviewed the application and dimensions provided by our distributor. We recommended a new weld in inward angle frame design incorporating radius corners to help eliminate potential damage during operation. We also added an integral flow liner to keep the process air moving to eliminate belt flutter and radius backing bars to further seal and promote the highest system efficiency possible during operation. The belt elastomer is Viton due to the temperature exceeding 350 degrees.

