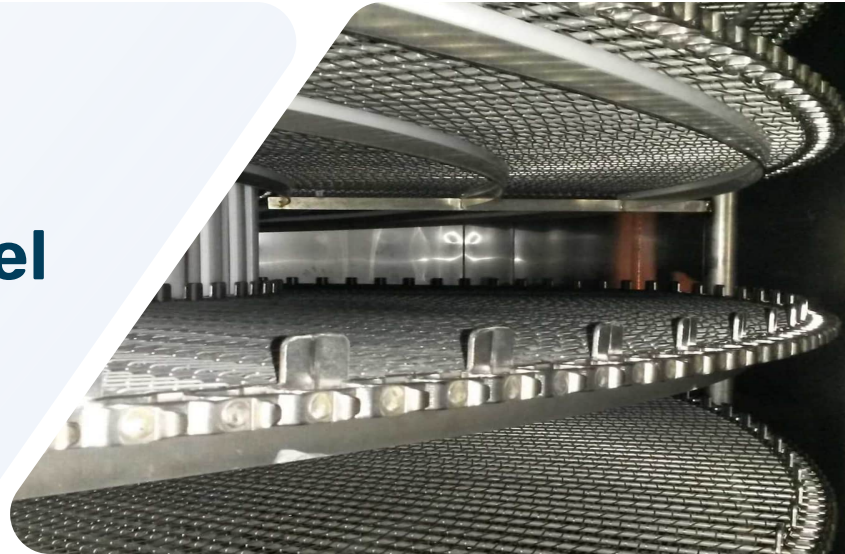


## SUCCESS STORY

# Chain Failure on a Spiral Freezer Tunnel

# \$7,000

IN COST SAVINGS



## PROBLEM

For this application, the original equipment manufacturer (OEM) supplied a 2060 alloy steel (AS) chain with 60 stainless steel split roller links with A2 attachments. The spiral freezer tunnel experienced a premature lifecycle due to the split roller opening, causing the chain to fail. The chain's standard riveting caused the pins to rotate on the side plate because of tension.



## SOLUTION

After inspection, Tsubaki installed its **2060 high-strength stainless steel (HSS)** constructed with different stainless-steel grades and solid rollers. To combat the rotating pin issue, we also recommended spun riveting.

**The design improvement resulted in a 20% higher than standard chain rating, increased the life of the chain by 36%, and resulted in a cost saving of \$7,168.**