



Expedited Slide Gate for Aggregate Hopper

Introduction

Standard Bearings is an industrial distributor with multiple locations in Iowa and South Dakota. Founded in 1919, Standard Bearings has a strong reputation for solving power transmission and material handling problems. An aggregate supplier required a special motorized slide gate to control bulk material flow from a large hopper. Standard Bearings and KWS worked very closely to provide a solution that exceeded customer expectations.

Challenge

The slide gate was to be located beneath an aggregate hopper where plant personnel needed reliable remote operation without manual actuation. The gate had to withstand extreme abuse and be able to open and close under a headload of dense aggregate material. Also, the gate was needed immediately to avoid costly plant downtime.

KWS Advantage

With the largest and most experienced engineering staff in the industry, KWS designed a slide gate to exceed the requirements of the application. Gate construction utilized abrasion-resistant materials. A high-torque drive generates sufficient force to open and close under load. An encoder located on the gate drive shaft allows for exact positioning. Engineering and manufacturing were expedited to meet the installation schedule of the customer.

Cost Savings

Prevented extended plant downtime and production interruptions by meeting the expedited delivery schedule.

Customer Testimonial

"KWS stepped up and delivered exactly what we needed under a very tight deadline. The custom features and expedited delivery helped avoid costly downtime and kept our customer's operation running smoothly."

Brandon Wooten, Applied Industrial Technologies

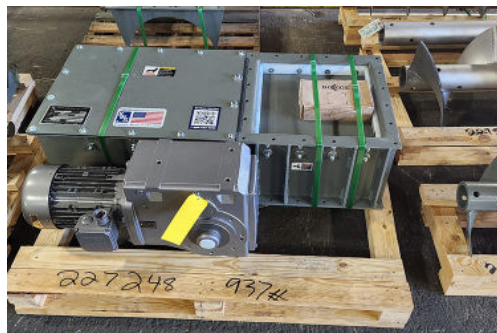


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Slide Gate will be Located Under Aggregate Hopper and Remotely Operated



High-Torque Drive Unit Generates Sufficient Force for Opening and Closing Under Load