

PBC Pillow Blocks Keep Gates Closed

Setting the Scene

Schick Enterprises out of Kutztown, Pennsylvania deals with the automatic sorting of livestock. When livestock are being raised, it know what stage of growth the animals are in is critical. One such tool Schick uses is the automatic sorting utilizing scales. These scales keep track of the weight of the animals and are controlled by gates. However due to the extremely dirty environment the mechanism of the gates was failing.

PBC Linear was given the task of implementing a product that would keep the gates functioning despite their surroundings. Given the tough pre-requisites needed for the job, PBC Linear recommended using Simplicity pillow blocks.



The Challenge

The gates guiding the animals to the scales were beginning to experience locking problems. The dirty environment created by the livestock and general outdoor wear and tear began to take its toll on the gates. Mud, dust, shock load of the animals were all contributing factors of the failing linear ball bearings originally used by the gates. Since the gate failing to operate can cost a farmer thousands, Schick came to PBC to come up with a solution to the failing gates and the rugged environment.



The Solution

Perfectly suited to withstand the harsh environment including shock loads with no maintenance required, Simplicity pillow blocks were the logical choice. As a result of using this product in the application, gates began to close without fail and the customer was very satisfied.

Products Used

Products used were P12E Simplicity™ pillow blocks. These tough pillow blocks were well-suited for the job. Since implementation, the gates have not experienced failure.