

PBC Pillow Blocks Keep Gates Closed

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Raising livestock is not accomplished in a vacuum. Environmental factors are ever-present in the process. For one particular live stock company, both outside obstacles and heavy vibration caused by the animals themselves resulted in failing stockade gates. These gates were used to track and sort the animals by weight. With gate mechanism failing to close—as attributed to binding linear ball bearing pillow blocks—livestock ran rampant and disordered. Time-to-production and cost drastically increased, not to mention the constant repair needed for the gates. This motivated the company to seek replacement linear components.

Linear ball bearings could not sustain smooth linear motion in the harsh environment of the stockade. As the bulky animals shifted from one area to another, the linear ball bearings were in a constant state of vibration. The shaking knocked the balls off track, causing binding and stalling of the stockade gates. Dirt, mud and dust also halted effective linear motion. For the gates to run smoothly, the livestock company needed a product that supplied continual linear motion—even in harsh surroundings.



PBC Linear recommended using their proven Simplicity® technology. Already known for tackling a multitude of environments ranging from common to extreme, the Simplicity® product line was the logical choice. Using a proprietary Frelon liner, Simplicity® products glide smoothly and reliably, even over heavy contaminants such as dirt. The Frelon also absorbs shock vibration. Containing no rolling elements, Simplicity® technology provides self-lubricating, maintenance-free linear motion that will NOT catastrophically fail. Combined with a wide temperature range and long product life, Simplicity® was the ideal candidate for the livestock gates.

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NEWS RELEASE



After installation, the livestock company gained 100% reliability in their gates and highly accurate sorting of their livestock. For more information on the Simplicity® product line, please call 1.800.729.9085, email to marketing@pbclinear.com, or visit our Round Shaft Technology (RST) dedicated webpage at RST.pbclinear.com.

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