



KWS Documented Bucket Dimensions Using an Existing Bucket

## Reverse Engineered Bucket Elevator Buckets Delivered On-Time

### Introduction

Motion Industries in Geismar, LA partnered with KWS to support Mosaic with replacement bucket elevator components. The application required carbon steel galvanized buckets for an existing system where no drawings or purchase history were available. Reliable operation and proper fitment were critical for maintaining production efficiency.

### Challenge

The plant maintenance team at Mosaic did not have any documentation for the existing buckets, making it difficult to source exact replacements. Without accurate dimensions or specifications, there was a risk of improper fit, reduced performance, or extended downtime. In addition, the customer had an upcoming shutdown, leaving very little time to engineer, manufacture, and deliver the replacement buckets.

### KWS Advantage

KWS quickly mobilized its engineering team to reverse engineer the existing bucket design. A sample bucket was provided, and KWS captured all critical dimensions and material specifications to ensure an exact match. Leveraging in-house manufacturing capabilities, KWS accelerated production and delivered all galvanized buckets on time to meet the shutdown schedule. KWS provided a seamless solution, minimizing downtime and ensuring continued system performance.

### Customer Testimonial

“KWS stepped up when we had no drawings and a tight deadline. Their ability to reverse engineer and deliver on time kept our customer on schedule.”

Corey Deville, Account Manager - Motion Industries – Geismar, LA



Pallets of New Replacement Buckets Ready to Ship



3D Model of Replacement Bucket is an Exact Match to Original



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