

## SKY HIGH ACCURACY

Alignment for Assembly at 180 ' in the Air

## Challenge

Aligning three separate flanges accurately is hard enough. For this manufacturer of pit hoppers, the task was complicated by the fact that some of the flanges were rotated at an angle, making it difficult to measure. Plus, the hopper has to fit seamlessly atop a grain leg 120-180' up in the air. Ensuring that the holes lined up was crucial - even a slight misalignment of $1 / 16^{\prime \prime}$ at the flange could add up to inches off at final assembly.


## Result

The centerline alignment of the flanges is now instantly achieved and fully repeatable, eliminating the compounding errors that complicated assembly, or led to rework.

The spot-on accuracy of the hoppers made with the new modular solution couldn't be any clearer than when the millwright assembling the grain leg called to ask "What did you change?" All of the difficulties he'd had before with the hoppers were gone. The customer's answer: "We called Bluco." Being able to collaborate with experienced engineers who understood their challenges ultimately led to a modular solution that removed roadblocks and enabled success.


Got a challenge that needs to be solved? We've engineered solutions for hundreds of customers and thousands of applications. Show us your part and let's make it better.

