

Custom Fabricated Bellows Application

The Challenge:

A steel producer utilizes a heavy straddle carrier customized with rail transport system for moving steel slabs between plant areas and stockyards. Hydraulic piston jacks raise and lower the carrier onto a rail system. These jacks are exposed to mill dust and molten splash that can gum up lubricants or cause cylinder damage rendering the jacks non functional. This often leads to costly "down time".

The Worbo Solution:

Through our widespread partnership network a custom fabricated bellows was constructed from heat and molten splash resistant Eko-Therm™ materials to cover the hydraulic jacks. The bellows provide excellent protection from a harsh steel mill environment and ensures that the jack stays properly lubricated and will not cake up with the dust. The bellows are equipped with a



specialized heat resistant zipper closure to allow for easy removal for maintenance. The relatively minor cost of installing this custom fabricated bellows saves the steel plant thousands of dollars in maintenance costs!