



PENTALIFT EQUIPMENT CORPORATION

## Engineered For Safety

### Application Designed: 20LTS1309035 Hydraulic Dual Scissor Lift Table For Steel Pipe Manufacturing



A manufacturer of steel pipe contacted Pentalift to assist in the design of a custom lift table. The purpose of the lift table is to accumulate bundles of steel pipe as they individually roll off the discharge end of the manufacturing process. The lift table shown is 130" wide, 90" long, 30,000 lbs. capacity, 50" of vertical travel. The lift table is manufactured for a pit installation therefore the platform is equipped with 4 sided beveled toe guards. The empty lift table platform is raised and an Up Travel limit switch stops the vertical travel at 38" to match the discharge height of the steel pipe manufacturing equipment. The platform is equipped with 2 - 90" long hardened steel rails that the first row of steel pipe rolls across. At the opposite end of the platform are 2 hinged energy absorbing stops; when the deck stops are locked in the vertical position they act as a barrier and stop the first section of rolling pipe. Subsequent rolling pipes are accumulated until first row of steel pipe on the platform is fully loaded. The platform is then lowered approximately 8" -10" and 2 pcs of hardwood 1" x 4" x 90" long spacers are placed on top of the first row of steel pipe. The second row of steel pipe rolls on the hardwood and accumulates, when the second row is fully loaded the platform lowers 8"-10", 3rd row accumulates etc. When the loading is complete the bundle of steel pipe is strapped in a number of locations, the hinged deck stops are then lowered and a lift truck removes the strapped bundle of steel pipe. The lift table is then raised 38", the hinged deck stops raised and locked in the vertical position and the process repeats.



Two of the 3 photographs show the energy absorbing hinged deck stops in the raised locked position, the 3rd photograph (below) shows one of the deck stops in the raised position and the other in the lowered position. For assistance on any lift, lower or positioning application please contact the Pentlift Sales Department.



## **PENTALIFT EQUIPMENT CORPORATION**

P O Box 1510 Buffalo NY U.S.A. 14240-1510  
 21 Nicholas Beaver Road Puslinch ON Canada N0B2J0  
 Website: [www.pentalift.com](http://www.pentalift.com)

Phone (519) 763-3625 Fax (519) 763-2894  
 Phone (519) 763-3625 Fax (519) 763-2894  
 Email: [lift@pentalift.com](mailto:lift@pentalift.com)