



Picking Areas in a High Bay Rack Picking Module Secured by Rack-supported Dual-gate Systems

Features and Benefits

Ensures OSHA and ANSI compliance in multi-level picking systems

Attaches to existing pallet rack to maximize space

Safety gate does not extend into lift truck aisle

Industry Group: Protective Guarding Manufacturers Association (ProGMA)



A leading national pharmacy/health service provider was concerned that their employees were exposed to fall hazards while working along the ledges of their multi-level picking modules. As their operation requires employees to pick from pallet locations along the length of the platform, there was a need to proactively secure the ledges.

“The end user had specific requirements that wanted the safety system to meet,” says Aaron Conway, President of Mezzanine Safety-Gates, Inc. “They wanted a barrier that didn’t depend on the actions of the employee in order to be efficient. They wanted a system that would be in place at all times while not taking up too much space or impeding on their operation.”

In order to meet the new ANSI standards for industrial work platforms, a dual-gate system had to be used, which would maintain a barrier in place at all times, even while pallets were delivered up to the system.

When researching dual-gate solutions that would meet ANSI, the end user wanted to make sure that the solution they implemented would not extend out into the lift truck aisle as that could create an obstruction for the lift truck moving along the aisle or loading the picking positions.

The solution was a rack-supported dual-gate system

that used counterbalanced, interconnected safety gates configured so one gate would always be in place. When the gate on the picking aisle side is closed then the gate on the ledge side is open, allowing the lift truck to load the pallets up to the module while preventing the employee from access to the ledge. When the gate on the picking aisle is raised open, then the gate on the ledge side is closed, maintaining a permanent, controlled access area at all times.

This safety gate solution attaches to the existing pallet rack to maximize space in the bay. The design used gates that operate within the confines of the safety gate structure so the gates never extend into the lift truck or picking aisles.

“The rack-supported safety gates were able to meet all of the requirements by the end user as well as the OSHA and ANSI standards,” said Aaron Conway. “They created a safe area that took up a minimum amount of space in their modules.”



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