

TRUCK LOADING MECHANISM

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ABSTRACT

The design of the project is aimed to solve the loading and unloading process difficulties of a truck now days. It is designed for flat bed vehicles where vertical rear posts are not available to hold the platform upright. An integrated platform stop has been built into the parallel strut and is easy to adjust during lift installation.

Depending on the bed height of the vehicle, the mechanism can be adjusted with the height of the bed of the truck to the ground. All features is powered by a powerful motor, sprocket, chain bet, shaft and other unstated components. Extruded mild steel platform with the installation of the roller are a standard feature in order to reduce weight and maximize load capacity. The smooth backside of the roller platform also enhances the vehicle appearance and provides good medium for positioning toe goods.

When truck loading process frame and suspension affected the normal installation, remember there is one thing exist which may be very helpful, the loading system, where the equipment can assist with providing the proper lift by installation hardware for the vehicle.

The expected outcome of the Truck Loading Mechanism is that it is built up to scale. The specific requirement of the project ranges from obtaining and assembling the hardware to improving the device for optimum efficiency. In addition, application of theories, calculations and concepts are essential to ensure the performance and produce the ability of the system.