

Attachments for Gradall Forklift

Attachments for Gradall Forklifts - Throughout the period when World War II caused a shortage of laborers, the famous Gradall excavator was established in the 1940s as the creation of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Surprise construction business called Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the workforce and joined the military, depleting existing workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to make a machine which will save their business by making the slope grading task easier, more efficient and less manual.

Their initial design model was a machine with two beams set on a rotating platform which was affixed over a second-hand truck. A telescopic cylinder moved the beams forward and backward which allowed the fixed blade at the end of the beams to pull or push dirt. Soon enhancing the initial design, the brothers made a triangular boom to add more strength. In addition, they added a tilt cylinder which let the boom rotate 45 degrees in both directions. A cylinder was positioned at the back of the boom, powering a long push rod to allow the machinery to be equipped with either a blade or a bucket attachment.

Gradall launched in 1992, with the introduction of the new XL Series hydraulics, the most ground-breaking adjustment in their equipment ever since their invention. This new system of top-of-the-line hydraulics allowed the Gradall excavator to deliver high productivity and comparable power to the more traditional excavators. The XL Series put an end to the original Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems effectively handled finishing work and grading but had a hard time competing for high productivity work.

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were made along with a piston pump, high-pressure system of hydraulics that showed distinct improvement in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed with a load-sensing capability. Traditional excavators utilize an operator to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the work at hand. This makes the operator's general work easier and even saves fuel at the same time.

As soon as the new XL Series hydraulics reached the market, Gradall was thrust into the very competitive industrial machinery market that are meant to deal with pavement removal, excavating, demolition as well as several industrial tasks. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to better position attachments and to work in low overhead areas.