

Gradall Forklift Parts

Gradall Forklift Parts - During the time when WWII caused a scarcity of workers, the famous Gradall excavator was established in the 1940s as the brainchild of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Ohio construction company known as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when lots of men left the labor force and signed up in the military, depleting existing laborers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to make an equipment that would save their business by making the slope grading job less manual, easier and more efficient.

Their initial design model was a machine with two beams set on a rotating platform that was affixed over a second-hand truck. A telescopic cylinder moved the beams back and forth that allowed the fixed blade at the end of the beams to pull or push dirt. Before long improving the initial design, the brothers built a triangular boom so as to add more strength. What's more, they added a tilt cylinder that let the boom turn 45 degrees in both directions. A cylinder was positioned at the back of the boom, powering a long push rod to allow the equipment to be outfitted with either a bucket or a blade attachment.

Gradall introduced in 1992, with the introduction of the new XL Series hydraulics, the most ground-breaking adjustment in their machinery ever since their creation. 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 gear pumps and low pressure hydraulics. These traditional systems successfully handled finishing work and grading but had a difficult time competing for high productivity work.

The new XL Series Gradall excavators proved a remarkable increase in their lifting and digging ability. These models were manufactured along with a piston pump, high-pressure hydraulics system that showed immense improvements in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed with a load-sensing capability. Traditional excavators make use of an operator to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power for the work at hand. This makes the operator's overall job easier and likewise conserves fuel simultaneously.

When the new XL Series hydraulics became available in the market, Gradall was thrust into the vastly competitive industrial machinery market that are designed to tackle excavating, demolition, pavement removal and several industrial jobs. The introduction of the new telescoping boom helped to further enhance the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.