

Gradall Forklift Parts

Gradall Forklift Parts - Through the time when World War II caused a shortage of laborers, the legendary Gradall excavator was established in the 1940s as the creation of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction company called Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the labor force and signed up in the military, depleting available laborers for the delicate finishing work and grading on highway projects. The Ferwerda brothers decided to make an equipment which will save their business by making the slope grading work more efficient, less manual and easier.

Their very first design model was a machine with two beams set on a rotating platform that was affixed on top of 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 push or pull dirt. Soon enhancing the first design, the brothers built a triangular boom to be able to add more strength. Furthermore, they added a tilt cylinder that let the boom rotate 45 degrees in either direction. A cylinder was placed at the back of the boom, powering a long push rod to enable the equipment 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 innovative adjustment in their machines since their creation. This new system of top-of-the-line hydraulics enabled the Gradall excavator to deliver high productivity and comparable power to the more traditional excavators. The XL Series ended the initial Gradall equipment power drawn from gear pumps and low pressure hydraulics. These traditional systems successfully handled grading and finishing work but had a hard time competing for high productivity work.

The new XL Series Gradall excavators proved a remarkable increase in their digging and lifting ability. These models were manufactured along with a piston pump, high-pressure hydraulics system that showed great improvements in boom and bucket breakout forces. The XL Series hydraulics system was also developed together with a load-sensing capability. Traditional excavators utilize an operator so as to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power for the task at hand. This makes the operator's whole job easier and also saves fuel at the same time.

Once the new XL Series hydraulics reached the market, Gradall was thrust into the extremely competitive industrial equipment market that are meant to tackle excavating, demolition, pavement removal as well as other 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 work in low overhead areas and to better position attachments.