

Gradall Forklift Parts

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

Their initial design model was a device with two beams set on a rotating platform that was attached on top of a used truck. A telescopic cylinder moved the beams forward and backward that enabled the fixed blade at the end of the beams to pull or push dirt. Soon improving the very first design, the brothers built a triangular boom to add more strength. Moreover, 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 machinery to be equipped with either a bucket or a blade attachment.

Gradall introduced in the year 1992, with the introduction of the new XL Series hydraulics, the most innovative adjustment in their machinery 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 original Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems successfully handled finishing work and grading but had a difficult time competing for high productivity tasks.

The new XL Series Gradall excavators proved a remarkable increase in their digging and lifting ability. These versions were made 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 even 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 intended for the task at hand. This makes the operator's general job easier and likewise saves fuel simultaneously.

As soon as the new XL Series hydraulics reached the market, Gradall was thrust into the vastly competitive industrial equipment market that are meant to deal with pavement removal, excavating, demolition as well as 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.