

Gradall Forklift Parts

Gradall Forklift Parts - Through the time when WWII created a scarcity of laborers, the famous Gradall excavator was established in the 1940s as the idea of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction business referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the workforce and signed up in the military, depleting existing laborers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to build an equipment that would save their company by making the slope grading task easier, more efficient and less manual.

Their very first design model was a machine with two beams set on a rotating platform that was affixed atop a used truck. A telescopic cylinder moved the beams back and forth which allowed the fixed blade at the end of the beams to push or pull dirt. Shortly enhancing the very first design, the brothers made a triangular boom so as to add more strength. In addition, they added a tilt cylinder which let the boom rotate 45 degrees in both directions. A cylinder was placed at the rear of the boom, powering a long push rod to enable the machinery 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 innovative adjustment in their equipment since their creation. This new system of top-of-the-line hydraulics allowed the Gradall excavator to deliver comparable power and high productivity to the more conventional excavators. The XL Series ended the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems successfully handled grading and finishing work but had a hard time competing for high productivity jobs.

Gradall's new XL Series excavators showed more ability to lift and dig materials. With this series, the models were produced along with a piston pump, high-pressure system of hydraulics that showed noticeable improvement in boom and bucket breakout forces. The XL Series hydraulics system was also developed with a load-sensing capability. Traditional excavators utilize an operator to select 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 job easier and likewise conserves fuel simultaneously.

When the new XL Series hydraulics reached the market, Gradall was thrust into the very competitive industrial equipment market which are designed to tackle excavating, demolition, pavement removal and various industrial tasks. The introduction of the new telescoping boom helped to further enhance the excavator's marketability. The telescoping boom gives the excavator the ability to better position attachments and to work in low overhead areas.