

Gradall Forklift Parts

Gradall Forklift Parts - All through the time when WWII created a scarcity of laborers, the legendary Gradall excavator was established in the 1940s as the idea of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction company known as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the labor force and joined the military, depleting available workers for the delicate finishing work and grading on highway projects. The Ferwerda brothers opted to build an equipment that will save their company by making the slope grading task easier, more efficient and less manual.

Their very first design model was a device with two beams set on a rotating platform which was affixed on top of a second-hand truck. A telescopic cylinder moved the beams back and forth that enabled the fixed blade at the end of the beams to pull or push dirt. Shortly improving the first design, the brothers built a triangular boom in order to add more strength. Furthermore, 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 machines since their creation. This new system of top-of-the-line hydraulics allowed the Gradall excavator to provide high productivity and comparable power to the more traditional excavators. The XL Series ended the original Gradall equipment power drawn from gear pumps and low pressure hydraulics. These traditional systems successfully handled grading and finishing work 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 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 also developed with a load-sensing capability. Conventional excavators make use of an operator to be able to select a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the task at hand. This makes the operator's overall task easier and even saves fuel simultaneously.

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 demolition, pavement removal, excavating and different industrial work. 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.