

## Gradall Forklift Parts

Gradall Forklift Parts - Through the time when WWII created a scarcity of workers, the famous Gradall excavator was established in the 1940s as the idea of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Abilene construction business called Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when a lot of men left the labor force and signed up in the military, depleting existing workers for the delicate finishing work and grading on highway projects. The Ferwerda brothers opted to build a machine that will save their company by making the slope grading task easier, more efficient and less manual.

Their first design model was a device with two beams set on a rotating platform that 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. Before long enhancing the first design, the brothers made a triangular boom to be able to add more strength. Additionally, they added a tilt cylinder that let the boom turn 45 degrees in both directions. A cylinder was positioned at the rear of the boom, powering a long push rod to enable the equipment to be equipped with either a blade or a bucket attachment.

1992 marked a crucial year for Gradall with their introduction of XL Series hydraulics, the most dramatic change in the company's excavators since their creation. These top-of-the-line hydraulics systems enabled Gradall excavators to deliver comparable power and high productivity on a realistic level to conventional excavators. The XL Series ended the original Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems successfully handled grading and finishing work but had a difficult time competing for high productivity jobs.

The new XL Series Gradall excavators proved a significant increase in their digging and lifting ability. These models were made together 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 along with a load-sensing capability. Traditional excavators use an operator so as to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the job at hand. This makes the operator's general task easier and likewise conserves fuel simultaneously.

As soon as their XL Series hydraulics became available, Gradall was essentially thrust into the highly competitive market of machinery meant to tackle demolition, pavement removal, excavating as well as different industrial tasks. Marketability was further improved with their telescoping boom because of its exclusive ability to better position attachments and to work in low overhead areas.