

Gradall Forklift Parts

Gradall Forklift Part - All through the period when WWII caused a shortage of workers, the legendary Gradall excavator was founded in the 1940s as the brainchild of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Garden Grove construction business known as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when lots of men left the workforce and joined the military, depleting existing workers for the delicate finishing work and grading on highway projects. The Ferwerda brothers opted to build a machine which would save their company by making the slope grading task more efficient, less manual and easier.

Their first design model was a device with two beams set on a rotating platform that was attached on top of a second-hand truck. A telescopic cylinder moved the beams back and forth which enabled the fixed blade at the end of the beams to pull or push dirt. Soon improving 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 back of the boom, powering a long push rod to enable the equipment to be equipped with either a bucket or a blade attachment.

1992 marked a significant year for Gradall with their introduction of XL Series hydraulics, the most amazing change in the company's excavators since their creation. These top-of-the-line hydraulics systems allowed Gradall excavators to deliver high productivity and comparable power on a realistic level to traditional excavators. The XL Series put an end to the original Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems successfully handled grading and finishing work but had a hard time competing for high productivity tasks.

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 together with a load-sensing capability. Conventional excavators utilize an operator to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power for the job at hand. This makes the operator's general job easier and also saves fuel simultaneously.

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