

Gradall Forklift Parts

Gradall Forklift Part - The Gradall excavator was the creation of two brothers Koop and ray Ferwerda. The excavator was established In the 1940's during WWII, when there was a shortage of labourers. The brothers faced the problems of a depleted labor force because of the war. As partners in their Cleveland, Anaheim construction business called Ferwerda-Werba-Ferwerda they lacked the existing workers in order to carry out the delicate job of grading and finishing on their interstate projects. The Ferwerda brothers decided to build an equipment that would save their business by making the slope grading work more efficient, less manual and easier.

Their very first design prototype was a machine with two beams set on a rotating platform that was attached over a used truck. A telescopic cylinder moved the beams back and forth which allowed the fixed blade at the end of the beams to pull or push dirt. Soon enhancing the very first design, the brothers made a triangular boom to add more strength. In addition, they added a tilt cylinder that let the boom rotate 45 degrees in both directions. A cylinder was placed at the back of the boom, powering a long push rod to enable the machine to be equipped with either a blade or a bucket attachment.

Gradall launched in 1992, with the introduction of the new XL Series hydraulics, the most innovative adjustment in their machines ever since their invention. This new system of top-of-the-line hydraulics enabled the Gradall excavator to provide comparable power and high productivity to the more conventional excavators. The XL Series ended the initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems successfully handled grading and finishing work but had a difficult 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 made together with a piston pump, high-pressure system of hydraulics which showed marked improvement in boom and bucket breakout forces. The XL Series hydraulics system was also developed along with a load-sensing capability. Conventional excavators make use of an operator to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power for the work at hand. This makes the operator's overall work easier and also saves fuel at the same time.

As soon as their XL Series hydraulics came onto the market, Gradall was essentially thrust into the highly competitive market of equipment designed to tackle demolition, pavement removal, excavating as well as other industrial work. Marketability was further enhanced with their telescoping boom due to its exclusive ability to better position attachments and to work in low overhead areas.