

Gradall Forklift Part

Gradall Forklift Parts - The Gradall excavator was the creation of two brothers Koop and ray Ferwerda. The excavator was created In the 1940's during WWII, when there was a shortage of workers. The brothers faced the problems of a depleted workforce because of the war. As partners in their Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda they lacked the available laborers in order to carry out the delicate job of grading and finishing on their freeway projects. The Ferwerda brothers opted to make a machine which would save their business by making the slope grading job easier, more efficient and less manual.

Their very first design prototype was a machine with two beams set on a rotating platform which was affixed over a second-hand truck. A telescopic cylinder moved the beams forward and backward which allowed the fixed blade at the end of the beams to pull or push dirt. Soon enhancing the very first design, the brothers built a triangular boom to be able to add more strength. In addition, they added a tilt cylinder which let the boom turn 45 degrees in either direction. A cylinder was placed at the back of the boom, powering a long push rod to enable the machinery to be equipped with either a bucket or a blade attachment.

Gradall introduced in the year 1992, with the introduction of the new XL Series hydraulics, the most ground-breaking adjustment in their machines ever since their creation. This new system of top-of-the-line hydraulics enabled the Gradall excavator to provide high productivity and comparable power to the more conventional excavators. The XL Series put an end to the first Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems efficiently handled grading and finishing work but had a difficult time competing for high productivity tasks.

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 which showed immense improvements 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 whole task easier and likewise saves fuel at the same time.

As soon as the new XL Series hydraulics became available in the market, Gradall was thrust into the very competitive industrial machinery market that are designed to deal with pavement removal, excavating, demolition and other industrial jobs. The introduction of the new telescoping boom helped to further enhance the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.