

Gradall Forklift Parts

Gradall Forklift Part - The Gradall excavator was the idea of two brothers Koop and ray Ferwerda. The excavator was established In the 1940's all through World War II, when there was a shortage of labourers. Partners in a Cleveland, Mesquite construction business referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when numerous men left the labor force and joined the military, depleting existing workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to build an equipment that would save their business by making the slope grading work easier, more efficient and less manual.

Their initial design model was a device with two beams set on a rotating platform that was attached over a second-hand truck. A telescopic cylinder moved the beams back and forth which allowed the fixed blade at the end of the beams to push or pull dirt. Soon improving the first design, the brothers built a triangular boom to be able to add more strength. In addition, they added a tilt cylinder that let the boom rotate 45 degrees in both directions. A cylinder was positioned at the back of the boom, powering a long push rod to allow the machine to be equipped with either a blade or a bucket 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 deliver comparable power and high productivity to the more traditional excavators. The XL Series ended the initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems efficiently handled grading and finishing work but had a difficult time competing for high productivity jobs.

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 distinct improvement in boom and bucket breakout forces. The XL Series hydraulics system was also developed with a load-sensing capability. Traditional excavators utilize an operator to pick a working-mode; where the Gradall system could automatically adjust the hydraulic power intended for the job at hand. This makes the operator's whole job easier and also conserves fuel at the same time.

As soon as the new XL Series hydraulics reached the market, Gradall was thrust into the extremely competitive industrial machinery market that are meant to tackle pavement removal, excavating, demolition and various industrial tasks. 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.