Gradall Forklift Part

Gradall Forklift Part - The Gradall excavator was the creation of two brothers Koop and ray Ferwerda. The excavator was founded In the 1940's throughout WWII, when there was a scarcity of labourers. Partners in a Cleveland, Pasadena construction business referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when lots of men left the workforce and signed up in the military, depleting existing workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers chose to build a machine that would save their business by making the slope grading work easier, more efficient and less manual.

Their first design model was a device with two beams set on a rotating platform which was affixed on top of 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 improving the first design, the brothers built a triangular boom to add more strength. In addition, they added a tilt cylinder that let the boom rotate 45 degrees in either direction. A cylinder was positioned 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 launched in the year 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 provide high productivity and comparable power to the more traditional excavators. The XL Series ended the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems successfully handled finishing work and grading but had a hard time competing for high productivity jobs.

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were produced together 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 likewise developed with a load-sensing capability. Traditional excavators utilize an operator so as to select a working-mode; where the Gradall system could automatically adjust the hydraulic power for the work at hand. This makes the operator's whole work easier and even saves fuel at the same time.

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