Gradall Forklift Part

Gradall Forklift Parts - The Gradall excavator was the idea of two brothers Koop and ray Ferwerda. The excavator was created In the 1940's all through World War II, when there was a scarcity of labourers. The brothers faced the problems of a depleted workforce because of the war. As partners in their Cleveland, El Paso construction company called Ferwerda-Werba-Ferwerda they lacked the available workers to be able to carry out the delicate tasks of finishing and grading on their freeway projects. The Ferwerda brothers decided to build a machine that would save their business by making the slope grading job less manual, easier and more efficient.

The first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a used truck. There was a telescopic cylinder which was utilized to move the beams backward and forward. This allowed the fixed blade at the far end of the beams to push or pull the dirt. Soon enhancing the very first design, the brothers built 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 placed at the rear of the boom, powering a long push rod to enable the equipment to be outfitted with either a blade or a bucket attachment.

1992 marked a significant year for Gradall with their introduction of XL Series hydraulics, the most remarkable change in the company's excavators ever since their invention. These top-of-the-line hydraulics systems enabled Gradall excavators to provide 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 low pressure hydraulics and gear pumps. These traditional systems effectively handled finishing work and grading but had a difficult time competing for high productivity work.

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 likewise developed together with a load-sensing capability. Conventional excavators use an operator to be able to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power intended for the task at hand. This makes the operator's general task easier and likewise conserves fuel at the same time.

When the new XL Series hydraulics reached the market, Gradall was thrust into the extremely competitive industrial machinery market that are designed to deal with pavement removal, excavating, demolition and other industrial tasks. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.