

## Gradall Forklift Parts

Gradall Forklift Parts - The Gradall excavator was the brainchild of two brothers Koop and ray Ferwerda. The excavator was created In the 1940's during 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, Ohio construction company referred to as Ferwerda-Werba-Ferwerda they lacked the existing laborers in order to do the delicate work of finishing and grading on their highway projects. The Ferwerda brothers chose to make a machine that would save their company by making the slope grading task easier, more efficient and less manual.

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 that was utilized to move the beams back and forth. This enabled the fixed blade at the far end of the beams to push or pull the dirt. Shortly enhancing the very first design, the brothers made a triangular boom so as to add more strength. As well, they added a tilt cylinder that let the boom turn 45 degrees in either direction. A cylinder was placed at the rear of the boom, powering a long push rod to enable the machine to be outfitted with either a bucket or a blade attachment.

The year 1992 marked a crucial year for Gradall with their launch of XL Series hydraulics, the most dramatic change in the company's excavators since their creation. These top-of-the-line hydraulics systems enabled Gradall excavators to provide high productivity and comparable power on a realistic level to conventional excavators. The XL Series ended the initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems successfully handled finishing work and grading but had a difficult time competing for high productivity work.

The new XL Series Gradall excavators proved a remarkable increase in their lifting and digging ability. These models were manufactured with a piston pump, high-pressure hydraulics system that showed great improvements in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed along with a load-sensing capability. Conventional excavators utilize an operator so as to choose a working-mode; where the Gradall system could automatically adjust the hydraulic power intended for the task at hand. This makes the operator's general task easier and likewise conserves fuel simultaneously.

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 different industrial work. Marketability was further improved with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.