

Gradall Forklift Parts

Gradall Forklift Part - All through the time when World War II caused a scarcity of laborers, the legendary Gradall excavator was born in the 1940s as the creation of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Simi Valley construction business known as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament when a lot of men left the workforce and signed up in the military, depleting existing workers for the delicate finishing work and grading on highway projects. The Ferwerda brothers decided to build an equipment which would save their business by making the slope grading job more efficient, less manual and easier.

Their initial design prototype was a machine with two beams set on a rotating platform which was affixed atop 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 pull or push dirt. Before long enhancing the first design, the brothers made a triangular boom to add more strength. As well, they added a tilt cylinder which let the boom turn 45 degrees in either direction. A cylinder was positioned at the rear of the boom, powering a long push rod to allow the equipment to be outfitted 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 equipment since their creation. This new system of top-of-the-line hydraulics enabled the Gradall excavator to deliver comparable power and high productivity to the more traditional excavators. The XL Series put an end to the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems successfully handled grading and finishing work 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 versions were made with a piston pump, high-pressure hydraulics system that showed huge improvements in boom and bucket breakout forces. The XL Series hydraulics system was even developed with a load-sensing capability. Traditional excavators utilize an operator so as to choose a working-mode; where the Gradall system could automatically adjust the hydraulic power meant for the task at hand. This makes the operator's overall task easier and likewise saves fuel at the same time.

Once their XL Series hydraulics came onto the market, Gradall was basically thrust into the highly competitive market of equipment meant to deal with pavement removal, excavation, demolition as well as other industrial tasks. Marketability was further improved with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.