

Gradall Forklift Parts

Gradall Forklift Parts - The Gradall excavator was the creation of two brothers Koop and ray Ferwerda. The excavator was created In the 1940's through WWII, when there was a shortage of labourers. The brothers faced the problems of a depleted workforce because of the war. As partners in their Cleveland, Ohio construction company called Ferwerda-Werba-Ferwerda they lacked the available workers so as to perform the delicate job of grading and finishing on their interstate projects. The Ferwerda brothers chose to make an equipment which would save their business by making the slope grading task less manual, easier and more efficient.

Their very first design prototype was a device with two beams set on a rotating platform which was affixed over a used truck. A telescopic cylinder moved the beams forward and backward that allowed the fixed blade at the end of the beams to push or pull dirt. Before long improving the very first design, the brothers made a triangular boom so as to add more strength. Additionally, they added a tilt cylinder which let the boom turn 45 degrees in both directions. A cylinder was positioned at the rear of the boom, powering a long push rod to allow the machine to be outfitted with either a blade or a bucket attachment.

Gradall launched in 1992, with the introduction of the new XL Series hydraulics, the most innovative adjustment in their equipment 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 initial Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems effectively handled grading and finishing work 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 manufactured 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 to be able to pick a working-mode; where the Gradall system can automatically adjust the hydraulic power intended for the work at hand. This makes the operator's general work easier and likewise conserves fuel at the same time.

As soon as their XL Series hydraulics came onto the market, Gradall was basically thrust into the highly competitive market of machinery meant to deal with excavation, demolition, pavement removal as well as various 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.