

Gradall Forklift Parts

Gradall Forklift Parts - The Gradall excavator was the idea of two brothers Ray and Koop Ferwerda. The excavator was founded In the 1940's all through WWII, when there was a shortage of labourers. The brothers faced the problems of a depleted labor force because of the war. As partners in their Cleveland, Ohio construction business known as Ferwerda-Werba-Ferwerda they lacked the available workers in order to perform the delicate job of finishing and grading on their highway projects. The Ferwerda brothers chose to build an equipment which would save their business by making the slope grading task less manual, easier and more efficient.

Their initial design prototype was a device with two beams set on a rotating platform that was affixed over a used truck. A telescopic cylinder moved the beams back and forth that allowed the fixed blade at the end of the beams to pull or push dirt. Before long enhancing the very first design, the brothers built 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 placed at the rear of the boom, powering a long push rod to enable the machine to be equipped with either a bucket or a blade attachment.

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

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were made along with a piston pump, high-pressure system of hydraulics which showed distinct improvement in boom and bucket breakout forces. The XL Series hydraulics system was likewise developed along with a load-sensing capability. Conventional excavators make use of an operator so as to select a working-mode; where the Gradall system could automatically adjust the hydraulic power meant for the work at hand. This makes the operator's general job easier and even conserves fuel at the same time.

Once their XL Series hydraulics became available, Gradall was basically thrust into the highly competitive market of equipment meant to tackle demolition, pavement removal, excavating and other industrial jobs. Marketability was further enhanced with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.