

Attachments for Gradall Forklifts

Gradall Forklift Attachments - The Gradall excavator was the creation of two brothers Ray and Koop Ferwerda. The excavator was founded in the 1940's through WWII, when there was a shortage of labourers. The brothers faced the problems of a depleted workforce due to the war. As partners in their Cleveland, Ohio construction company called Ferwerda-Werba-Ferwerda they lacked the available laborers so as to carry out the delicate tasks of grading and finishing on their highway projects. The Ferwerda brothers decided to make an equipment that would save their business by making the slope grading task more efficient, less manual and easier.

Their initial design model was a device with two beams set on a rotating platform which was affixed atop a used truck. A telescopic cylinder moved the beams forward and backward that enabled the fixed blade at the end of the beams to push or pull dirt. Soon improving the initial design, the brothers made a triangular boom in order to add more strength. What's more, they added a tilt cylinder that let the boom rotate 45 degrees in either direction. A cylinder was placed at the rear of the boom, powering a long push rod to enable the machinery to be outfitted with either a bucket or a blade attachment.

Gradall introduced 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 enabled the Gradall excavator to provide comparable power and high productivity to the more conventional excavators. The XL Series ended the first Gradall equipment power drawn from gear pumps and low pressure hydraulics. These traditional systems efficiently handled finishing work and grading but had a hard 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 along 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 with a load-sensing capability. Traditional excavators make use of an operator to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the work at hand. This makes the operator's general task easier and even conserves fuel simultaneously.

As soon as the new XL Series hydraulics became available in the market, Gradall was thrust into the vastly competitive industrial equipment market which are meant to tackle pavement removal, excavating, demolition as well as several industrial work. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to better position attachments and to work in low overhead areas.