

Gradall Forklift Parts

Gradall Forklift Parts - All through the period when World War II caused a scarcity of laborers, the famous Gradall excavator was founded in the 1940s as the creation of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction business called Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when a lot of men left the labor force and signed up in the military, depleting available workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers opted to make a machine that will save their business by making the slope grading job more efficient, less manual and easier.

The very first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a second-hand truck. There was a telescopic cylinder which 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 built a triangular boom to be able to add more strength. Also, they added a tilt cylinder which let the boom rotate 45 degrees in either direction. A cylinder was positioned 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.

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

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were produced with a piston pump, high-pressure system of hydraulics that showed marked improvement in boom and bucket breakout forces. The XL Series hydraulics system was even developed together with a load-sensing capability. Traditional excavators make use of an operator in order to choose a working-mode; where the Gradall system could automatically adjust the hydraulic power meant for the job at hand. This makes the operator's general work easier and even conserves 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 designed to deal with excavation, demolition, pavement removal and several industrial work. Marketability was further enhanced with their telescoping boom due to its exclusive ability to work in low overhead areas and to better position attachments.