

Telehandler Truss Booms

The telehandler or telescopic handler is a normally used equipment in agricultural and industrial applications. This particular equipment is similar in appearance to a forklift and even functions in a similar way, although telehandlers are much more like a crane than forklift. It has a telescopic boom that could lengthen forward and upward from the motor vehicle. The boom has the capability to fit one of various accessories like pallet forks, a bucket, a lift table or muck grab.

Pallet tines are the most common attachment for the telehandler. This particular machine is commonly used for moving loads to and from locations which a typical lift truck will find unreachable. Telehandlers are particularly useful for placing loads on rooftops for example, or for removing palletized cargo from with a trailer. Many of the tasks that a telehandler could accomplish will otherwise need a crane and this piece of equipment can be costly, impractical and not always time efficient.

Because the boom raises or extends while bearing a load, it likewise acts as a lever. Even with the counterweights in the rear, this causes the machine to become increasingly unstable; hence, the advantage of the telehandler is really its greatest limitation. As the working radius increases, the lifting capacity lessens. The working radius is defined as the distance between the center of the load and the front of the wheels.

Like for instance, a telehandler with a 5000 lb capability with the boom retracted could safely lift as little as 400 lb once it is completely extended at a low boom angle. The equivalent equipment which has a 5000 lb lift capacity and the boom retracted could support up to 10,000 lb with the boom raised to 70 degrees. The operator has a load chart in order to help determine whether a specific lifting job could be done in an efficient and safe way. This chart considers the weight, height and the boom angle.

Numerous telehandlers come equipped together with a computer that utilizes sensors so as to monitor the motor vehicle. These sensors would warn the operator and some are capable of cutting off further control input if the limits of the vehicle are exceeded. Several telehandler kinds are also equipped with front outriggers which are referred to as mobile cranes. These significantly extend the lifting capacity of the machinery while it is stationary.