



Off Track Tie Gang

The RCE Off Track Tie Gang provides the railroad industry with an innovative approach to tie replacement using little or no track time.

Using the proven reliability and the latest technology that is provided in a John Deere Excavator, and by combining it with specialized hydraulic attachments, the Off Track Tie gang process provides the ability to replace ties without the need for stopping trains.

The standard gang is made up of one to two Deere 120C excavators equipped with a RCE Tie Head, RCE Tamper Head and 9" Cribbing Bucket. Gang size can be as large as 4 or 5 machines, depending on the size of the tie replacement project.

The basic process of the gang is as follows

1. The first machine travels along side the track and starts removing ties with a cribbing bucket
2. The second machine follows and inserts new ties using the RCE Tie Head
3. The first machine then attaches the RCE Tamper Head and tamps the new ties.

All of these operations are completed under a **Form B** the equipment swings into the clear and the trains are allowed to pass during this process. This allows the transportation department to keep trains moving and the maintenance of the track in high traffic areas to be completed.

The RCE Off Track Tie Gang System can offer you a cost effective way to complete Tie replacement track maintenance without the need to stop trains.

For more information contact:
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1901 Harrison Ave.
Rockford, IL 61104
PH. 866-472-4570 Fax. 815-387-1022

ATTACHMENTS

- **Hydraulic Rotating Tie Heads**

RCE hydraulic rotating tie heads are designed to provide a reliable tool for track tie inserting and removing. The tie head is mounted to a modified John Deere excavator and can replace ties from the right of way without the need to delay trains.

The head uses hydraulic cylinders for rotation and clamping eliminating the age old problem of rotary motor break down. These tie heads have proven themselves to be very reliable and low maintenance.



These heads can be mounted on several sizes of excavator 120C, 160CLC, 200CLC
The tie head requires that two auxiliary hydraulic circuits be added to the excavator.

- **Hydraulic Tie Tamper**

RCE hydraulic tie Tamper is designed to provide a reliable tool for track tie tamping without the need to be on track. The tamper is mounted to a modified John Deere excavator and can replace ties from the right of way without the need to delay trains.

The tamper head that is used is a Jackson 1400 single side tie tamper that is modified to work off of the excavator hydraulics



These heads can be mounted on several sizes of excavator 120C, 160CLC, 200CLC

The tamper head requires that two auxiliary hydraulic circuits be added to the excavator.

- **Cribbing Buckets**

8" Cribbing buckets can be added to the excavator and can be used to clean out tie cribs and can be used to pull out ties

Standard excavator buckets are also available



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