

Rosenqvist Rail's Track Renewal Clipper

Rosenqvist Rail AB has developed a new FASTCLIP clipping module that fits underneath a track renewal train.

It can be folded up and secured underneath the body of the train during transport. It has inductive sensors which trigger the clipping operation when it detects the shoulder of the next sleeper. The clipping tool slides on a bar but remains stationary when clipping up to avoid moving sleepers. It catches up with the train via a hydraulic cylinder in a shuttle-like action.

As it works at the same speed as the track renewal train, the performance of the clipping module is not critical. On its own it could probably clip up 40-60 sleepers/minute.

It can also be operated manually, for instance when checking the tool settings.

The clipping module can be used in other applications where you have a track machine as it is small and can fit into narrow spaces. The wheels have UIC profile.

The track renewal clipper was delivered to Banverket in 2008 and was first used for track renewal in the northern part of Sweden, with great success.



Location of the module in the track renewal train



Sensor



Height adjustment



Clips correctly installed