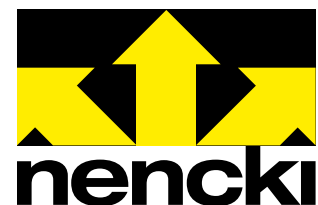




# Nencki Wheel weighing machine NWW

## Nencki Wheel weighing machine NWW

Manufacturers and operators of rolling stock have to ensure that derailling can be avoided. One of the key tests on complete vehicles is to determine the wheel load release on twisted track. This measurement will automatically be possible with the least effort.





## Fully automatic test Testing in half an hour

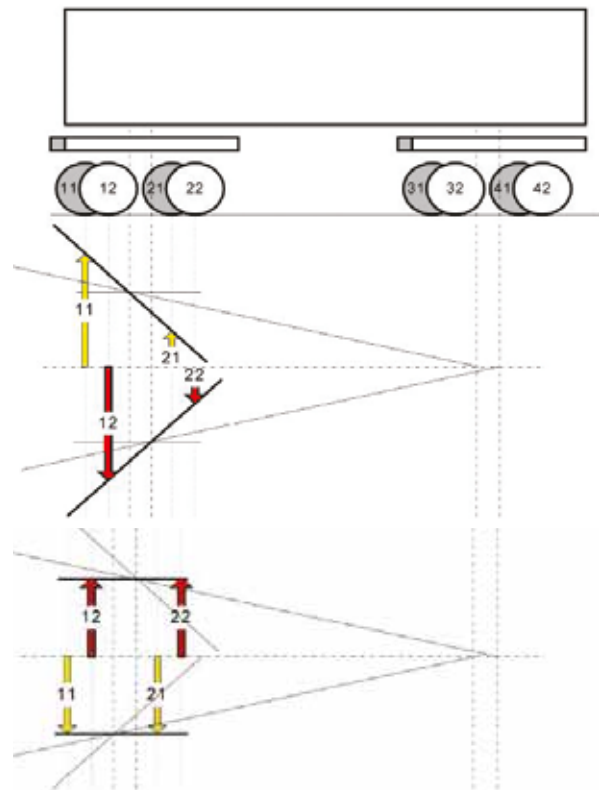
### Realisation

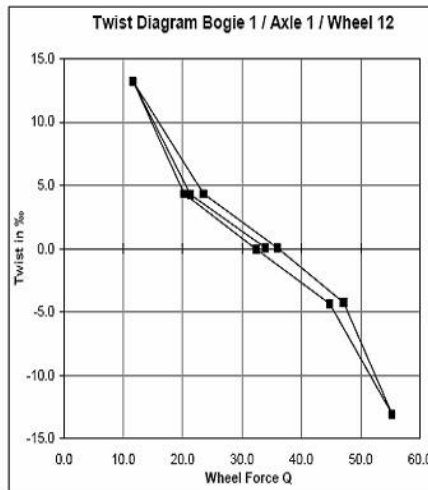
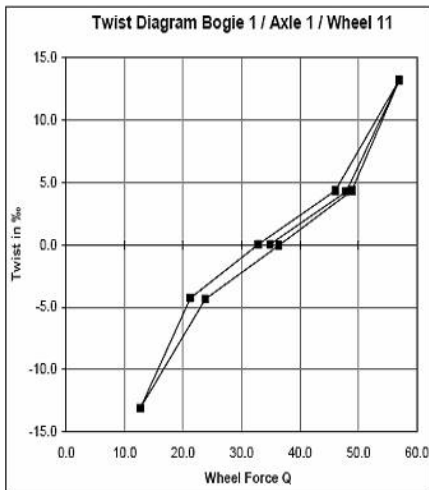
Considering the bogie distance, 4 lifting rigs are installed on a test track (variations of up to 2 metres are possible). The lifting rig's rails are fitted with load cells, displacement sensors measure the actual vertical position. The rig is actuated by electric motors with spindle drives.

### Customer advantages

A complete vehicle test can be performed within 30 minutes. The test sequence can be easily programmed. The results are entered automatically on a spreadsheet for subsequent evaluation in accordance e. g. with prEN 14363.

$$dQ/Q$$





## Technical data

Easy installation in a pit with the rail on plinth  
 Traversing the system at low speed  
 Maximum axle load: 25 t  
 Accuracy of load measurement:  $\pm 1 \%$   
 Accuracy of wheel position measurement:  $\pm 0.2 \text{ mm}$   
 Wheel gauge: fix  
 Test according to EN14363  
 Control: hydraulics with Beckhoff PLC-control  
 Bogie pivot centre distance: to be defined  
 Axle distance: to be defined

No. of operators to control the test stand: 2  
 Time for a test sequence with 20 steps: max. 30 min.  
 Calibration interval: yearly, calibration tool included in the scope of supply





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