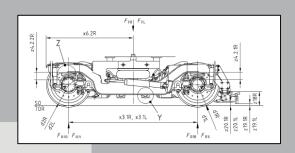


Info on DIN 25043-7, the standards for bogie testing

- The standards are in force since 2012 and are in 2016 obligatory at the Deutsche Bahn for the supply of new bogies. It is also already used in maintenance workshops of the Swiss Federal Railways SBB, Deutsche Bahn DB and CFL of Luxemburg and others to follow.
- The standards define minimum requirements regarding the bogie test stand such as evenness of the wheel load measuring machine coordinates.
- Bogies have to be tested as a complete unit with all assembled components.
- The standards specify what has to be tested, whereby it is differentiated for train speeds below and above 200km/h.
- There is a harmonization for the specification of loads, dimensions and various formulas, e.g. load distribution in percent.
- The position of antennas, sanding units etc. has to be adjusted under load and registered. The test of many length dimensions in X,Y and Z direction is required, and the bogie test stand therefore needs new measuring equipment.
- During the commissioning of the test stand, the process ability (repeating accuracy etc.) has to be verified.
- The factors of the measuring uncertainty have to be proved.
- Load calibration is based on ISO 7500-1





Nencki bogie test stand NBT *Evolution*®

The solution for fulfilling the DIN 25043-7