



SCHWIHAG AG PERFORMS TESTS IN ACCORDANCE WITH THE FAMILIAR TRACK CONSTRUCTION STANDARDS OR TO CUSTOMERS OWN SPECIFICATIONS.

The static and dynamic loading capacity of components for points and rail fastenings can be tested at our in-house testing laboratory. SCHWIHAG AG performs tests in accordance with the familiar track construction standards or to customers' own specifications.

Biaxial, static and dynamic tests can be performed in the test laboratory. The max. vertical testing force is 400 kN and the max. horizontal testing force is 100 kN. The components are tested in a horizontal position (biaxial) or in an oblique test (mono-axial).

For example, slide baseplates, check rail baseplates, sleepers (e.g. to RFI TCAR SP AR 03 001), rail fastening systems (to EN13481, EN13146) and rolling devices can be tested. If necessary, the electrical resistance of track components can also be determined (e.g. to EN13146-5; RT/CE/S 021). In addition to the static and dynamic load tests,

the following material tests can also be performed:

- :: Hardness test
- :: Tensile/compressive strength test
- :: Grinding preparation and microstructural analyses (optical microscopy)
- :: Polymer tests (melting point, heat of fusion, glass transition point)
- :: Optical 3D measurement of components

SCHWIHAG AG's construction department enables the production of customer-specific adapters and test apparatus, which ensures optimum position adjustment and clamping of the components to be tested.

Each test specified by a customer is clearly documented in a detailed test report in the required language.



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..... INNOVATIVE TRACK AND SWITCH TECHNOLOGY



MATERIAL TESTS FOR RAILWAY TRACK COMPONENTS