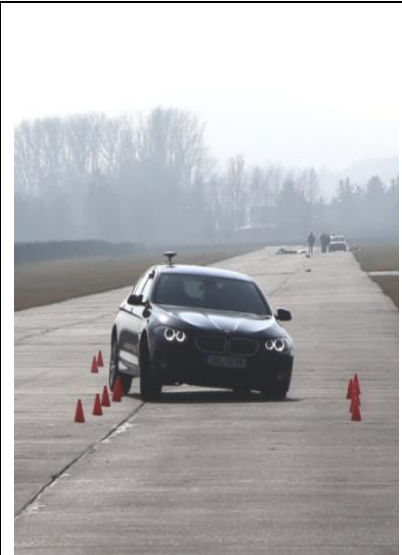


## 18\_Test Tracks



DEKRA Automobil Test Center Klettwitz



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|---|--|
| <p><b>Main Applications</b></p> <ul style="list-style-type: none"> <li>• Steady-state circular test according to DIN ISO 4138</li> <li>• Steep steering input according to DIN ISO 7401</li> <li>• Braking from steady-state circular driving according to DIN ISO 7975</li> <li>• Single lane change according to DIN ISO 3888-2</li> <li>• Double lane change according to DIN ISO 3888</li> <li>• Sinus steering input according to DIN ISO 14791</li> <li>• Straight-line braking according to DIN ISO 70028</li> </ul> | <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>• DEKRA high speed oval <ul style="list-style-type: none"> <li>○ Length: 5,8 km</li> <li>○ Length and width of the straight: 2.300 m/12 m</li> <li>○ Corner radius: 160 m</li> </ul> </li> <li>• DEKRA Off Road Area: 224.000 m<sup>2</sup> <ul style="list-style-type: none"> <li>○ Water crossing</li> <li>○ Wave track</li> <li>○ Flat track</li> <li>○ Graduated track</li> <li>○ Climbs</li> </ul> </li> <li>• DEKRA Skid pad diameter 150m</li> <li>• DEKRA handling track: Length 3,1 km</li> <li>• DEKRA ABS test track <ul style="list-style-type: none"> <li>○ Length 250 m</li> <li>○ Surface (Asphalt, cobblestone, Concrete, synthetic material)</li> </ul> </li> </ul> |
| <p><b>Test vehicles</b></p> <ul style="list-style-type: none"> <li>• Passenger cars</li> <li>• Trucks</li> <li>• Motorcycle</li> </ul>  | <p><b>Special features</b></p> <ul style="list-style-type: none"> <li>• Cooperation with Driveability Testing Alliance (DTA) <ul style="list-style-type: none"> <li>○ Involved companies: <ul style="list-style-type: none"> <li>▪ Dewetron GmbH</li> <li>▪ GeneSys Elektronik GmbH</li> <li>▪ Stähle GmbH</li> <li>▪ Auto Mobil Forschung Dresden GmbH</li> </ul> </li> <li>○ Allows access to the latest automotive testing equipment and its application</li> <li>○ Automated real-world driving test for the assessment of active safety</li> </ul> </li> <li>• In addition to the DEKRA testing facility, we also perform vehicle testing at other facilities in the region around Dresden.</li> </ul>  |
| <p><b>Location</b></p> <p>DEKRA Automobil GmbH<br/>Technology Center<br/>Automobil Test Center<br/>Senftenberger Straße 30<br/>D - 01998 Klettwitz</p>  |  |

### Measured parameters

- Steering wheel angle
- Steering wheel torque
- Driving speed
- Lateral acceleration and speed
- Longitudinal acceleration and speed
- Yaw
- Pitch, roll and attitude angle
- Wheel forces and torque
- Tire temperature
- Braking distance
- Lateral deviation of the vehicles center of gravity from the starting radius

### Measuring devices

- Measuring steering wheel
- GPS/Gyro measuring device
- Accelerometer
- Measuring wheels
- Image processing
- Steering robot

### References

- AUDI AG
- BMW Group
- Hyundai
- DAIMLER AG
- ADAM OPEL AG
- Dr. Ing. h. c. F. Porsche AG
- Volkswagen AG

### Contact

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