

Wide spread between performance and comfort

The three cornerstones of Porsche chassis development

Porsche represents first-class driving dynamics, efficiency and comfort in every market segment. Every model within each model line is designed to strike this balance between performance and comfort from the outset. Outstanding driving dynamics require precisely balanced interaction between the overall concept, the drive and the chassis. During the course of its development, every Porsche is fine-tuned and optimised on the racing track. The lap times recorded during this process have always been and continue to be an indicator of development progress. The excellent handling that results from this process ensures that Porsche drivers are able to experience fun and emotional driving each and every day. This performance-orientated design forms part of the core Porsche brand identity.

A chassis is only as good as its mechanical basis. Porsche consistently applies this mantra from the world of motorsport to its vehicles and owes its racing successes notched up over more than half a century to this very attitude. The sportscar manufacturer implements active systems with the sole purpose of improving the balance between performance and comfort and optimising individual properties. After all, even the best mechatronic system may be able to conceal the weaknesses of an average chassis, but it will fall short of turning it into a sportscar chassis.

The Porsche chassis concept is based on three cornerstones. The first consists of fundamental concept features of the overall vehicle, such as the wheelbase, the track width, the weight and the weight distribution. The mechanics of the chassis, including the axle concept, brakes and tyres, forms the second cornerstone. The third cornerstone is formed by the mechatronic chassis systems, such as the stabilisation system (PSM), rear-axle steering, damping control system (PASM) and active anti-roll stabilisation (PDCC).