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ADAPTIVE STABILIZER BAR SYSTEM

Mechanical – Adaptive – Roll – Damping | MARD



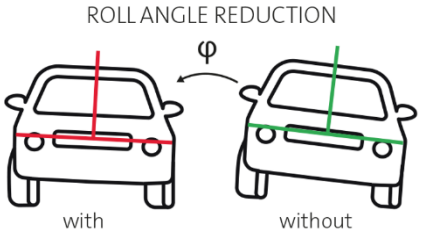


Innovation:

- Purpose-designed adaptive stabilizer bar system that enhances driving dynamics and steering response while maintaining excellent ride comfort
- Mechanical spring- and damper-system combining roll stiffness and roll damping
- Variable roll control & damping tailored to current driving conditions—an important advantage over passive stabilizers with fixed stiffness
- NEW: Optional electric solenoid valve for Dynamic and Off-Road driving modes

Customer Benefit:

- Similar driving performance as a fully active system
- Can be used for improved off-road capability
- Does not require electric energy – full range
- Significant performance benefits in driving dynamics / comfort at a lower cost and complexity
- Target cost at a factor 1/3 of full active stab bar systems



Status:

- Proof of concept and validation based on the OEM specification completed
- Evaluation-Cars at Customers in testing and validation